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Marantz[®] AV Surround Receiver SR7005

User Guide

□ SAFETY PRECAUTIONS



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION: HOT SURFACE. DO NOT TOUCH.

The top surface over the internal heat sink may become hot when operating this product continuously.

Do not touch hot areas, especially around the "Hot surface mark" and the top panel.

surface mark

Hot

PRECAUTION: SURFACE CHAUDE. NE PAS TOUCHER.

La surface supérieure du dissipateur de chaleur peut devenir chaude si vous utilisez ce produit en continu.

Ne touchez pas les zones chaudes, tout particulièrement vers l'inscription "Hot surface mark" et le panneau supérieur.

PRECAUCIÓN:

SUPERFICIE CALIENTE. NO TOCAR.

La superficie superior sobre el disipador de calor interno podría llegar a calentarse al operar este producto de forma continua.

No toque las áreas calientes, especialmente las situadas alrededor de la "Hot surface mark" y del panel superior.

IMPORTANT SAFETY INSTRUCTIONS

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- Do not block any ventilation openings.
- Install in accordance with the manufacturer's instructions.B. Do not install near any heat sources such as radiators, heat registers,
- stoves, or other apparatus (including amplifiers) that produce heat.
 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
- 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION:

To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.

The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

PRECAUTION:

Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale.

La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement.

PRECAUCIÓN:

Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared.

El enchufe de la alimentación eléctrica se utiliza para interrumpir por completo el suministro de alimentación eléctrica a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso.

FCC INFORMATION (For US customers)

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1. COMPLIANCE INFORMATION

ESPAÑOL

Product Name: AV Surround Receiver Model Number: SR7005 This product complies with Part 15 of the FCC Rules. Operation is subject

to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation. Marantz America, Inc.

(a D & M Holdings Company)

- 100 Corporate Drive.
- Mahwah, NJ, 07430, U.S.A.
- Tel. (630) 741-0300

2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by Marantz may void your authority, granted by the FCC, to use the product.

3. IMPORTANT

When connecting this product to network hub or router, use only shielded STP or ScTP LAN cables which is available at retailer.

Follow all installation instructions. Failure to follow instructions could void your authority, granted by the FCC, to use the product.

4. NOTE

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

For Canadian customers:

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.





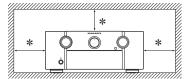


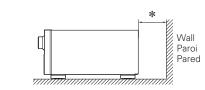
FRANÇAIS ESPAÑOL

□ NOTES ON USE / OBSERVATIONS RELATIVES A L'UTILISATION / NOTAS SOBRE EL USO

WARNINGS	AVERTISSEMENTS	ADVERTENCIAS
 Avoid high temperatures. Allow for sufficient heat dispersion when installed in a rack. Handle the power cord carefully. Hold the plug when unplugging the cord. Keep the unit free from moisture, water, and dust. Unplug the power cord when not using the unit for long periods of time. Do not obstruct the ventilation holes. Do not let foreign objects into the unit. Do not let insecticides, benzene, and thinner come in contact with the unit. Never disassemble or modify the unit in any way. Ventilation openings with items, such as newspapers, tablecloths or curtains. Naked flame sources such as lighted candles should not be placed on the unit. Observe and follow local regulations regarding battery disposal. Do not handle the mains cord with wet hands. When the switch is in the OFF position, the equipment is not completely switched off from MAINS. The equipment shall be installed near the power supply so that the power supply is easily accessible. 	 Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère. Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon. Protéger l'appareil contre l'humidité, l'eau et la poussière. Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes. Ne pas laisser des objets étrangers dans l'appareil. Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil. Ne pas recouvrir les ourdiner d'une manière ou d'une autre. Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre. Ne jamais placer de flamme nue sur l'appareil, notamment des bougies allumées. Veillez à respecter les lois en vigueur lorsque vous jetez les piles usagées. L'appareil ne doit pas être exposé à l'eau ou à l'humidité. Ne pas manipuler le cordon d'alimentation avec les mains mouillées. Lorsque l'interrupteur est sur la position OFF, l'appareil n'est pas complètement déconnecté du SECTEUR (MAINS). L'appareil n'est pas complètement déconnecté du SECTEUR (MAINS). 	 Evite altas temperaturas. Permite la suficiente dispersión del calor cuando está instalado en la consola. Maneje el cordón de energía con cuidado. Sostenga el enchufe cuando desconecte el cordón de energía. Mantenga el equipo libre de humedad, agua y polvo. Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo. No deje objetos extraños dentro del equipo. No permita el contacto de insecticidas, gasolina y diluyentes con el equipo. Nunca desarme o modifique el equipo de ninguna manera. La ventilación no debe quedar obstruida por haberse cubierto las aperturas con objetos como periódicos, manteles o cortinas. No deberán colocarse sobre el aparato fuentes inflamables sin protección, como velas encendidas. A la hora de deshacerse de las pilas, respete la normativa para el cuidado del medio ambiente. No exponer el aparato al goteo o salpicaduras cuando se utilice. No maneje el cable de alimentación con las manos mojadas. Cuando el interruptor está en la posición OFF, el equipo no está completamente desconectado de la alimentación MAINS. El equipo se instalará cerca de la fuente de alimentación de manera que resulte fácil acceder a ella.

CAUTIONS ON INSTALLATION PRÉCAUTIONS D'INSTALLATION EMPLAZAMIENTO DE LA INSTALACIÓN





* For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.

- More than 0.3 m (12 in.) is recommended.
- Do not place any other equipment on this unit.

Pour permettre la dissipation de chaleur requise, n'installez pas cette unité dans un espace confiné tel qu'une bibliothèque ou un endroit similaire.

- Une distance de plus de 0,3 m (12 po) est recommandée.
- Ne placez aucun matériel sur cet appareil.

Para la dispersión del calor adecuadamente, no instale este equipo en un lugar confinado tal como una librería o unidad similar.

- Se recomienda dejar más de 0,3 m (12 pulg.) alrededor.
- No coloque ningún otro equipo sobre la unidad.

Getting started

Thank you for purchasing this Marantz product. To ensure proper operation, please read this user guide carefully before using the product. After reading them, be sure to keep them for future reference.

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List of preset codes End of this manual

Simple version

Basic version

Accessories

Check that the following parts are supplied with the product.

① User guide ② Warranty card (for USA)	1
(3) Warranty card (for CANADA)	
 ④ Power cord ⑤ Remote control unit (RC011SR) 	
(6) R03/AAA batteries	
 Setup microphone (ACM1H) 	
(8) AM loop antenna (for HD Radio broadcasts)	
(9) FM indoor antenna (for HD Radio broadcasts)	1
4 5 7	
(8)	

About this manual

Operation buttons

The operations described in this guide are based mainly on remote control operation.

Symbols



()

- This symbol indicates a reference page on which related information is described.
- This symbol indicates a supplementary information and tips for operations.



This symbol indicates a supplementary information and tips for operations.

Illustrations

Note that the illustrations in these instructions are for explanation purposes and may differ from the actual unit.

Features

Fully Discrete, identical quality and power for all 7 channels (125 W x 7ch, 8 Ω)

The unit is equipped with a power amplifier that reproduces highfidelity sound in surround mode with equal quality and power for all channels, true to the original sound.

The power amplifier circuit adopts a discrete-circuit configuration that achieves high-quality surround sound reproduction.

Current feedback amplifier

This unit uses a high-speed current feedback amplifier circuit for its preamplifier so that signals from a Blu-ray Disc player and other equipment that support high-definition audio formats can be amplified with high fidelity. The high-speed current feedback amplifier also reproduces a natural sound space.

Supports HDMI 1.4a with 3D, ARC, Deep Color, x.v.Color, Auto Lipsync and HDMI control function

This unit can output 3D video signals input from a Blu-ray Disc player to a TV that supports a 3D system. This unit also supports the ARC (Audio Return Channel) function, which reproduces TV sound with this unit via an HDMI cable used for connecting the unit and a TV*1.

*1 The TV should support the ARC function.

Internet radio, music and photo streaming via network*2

This unit can playback audio files and still images such as photographs that are stored on your computer via a network. You can also listen to internet radio and a whole host of other online music*³ that uses network technology.

- *2 An internet connection is required.
- *3 You may be required to sign a service agreement with the companies that provide particular services.

6-HDMI inputs and 2-outputs

The unit is equipped with 6 HDMI input connectors for connecting devices with HDMI connectors, such as a Blu-ray Disc player, game machine, HD video camera, etc.

One of the 6 input connectors of this unit is provided on the front panel so that you can easily connect and display images and videos recorded in a digital still camera or digital video camera.

High definition audio support

The unit is equipped with a decoder which supports high-quality digital audio format for Blu-ray Disc players such as Dolby TrueHD, DTS-HD Master Audio, etc.

Audyssey DSX[™]

This unit is equipped with Audyssey DSX decoder. By connecting front height speakers to this unit and playing back through Audyssey DSX, you can experience a more powerful playback expression in the height audio range. By connecting front wide speakers, you can experience a more powerful playback expression in the wide audio range.

Easy to use, Graphical User Interface

This unit is equipped with an easy to see "Graphical User Interface" that uses menu displays and levels. The use of level displays increases operability of the unit.

All sources are up-scaled to 1080p

The unit is provided with an HDMI video up-scaling function that converts an analog video signal input to the unit to a 1080p (HD resolution) signal and supplies it to a TV via the HDMI connector. This enables the unit and a TV connected with a single HDMI cable and any video source to be reproduced precisely with HD level of quality.

Basic version

Features

Direct play for iPod[®] and iPhone[®] via USB

Music data from an iPod can be played back if you connect the USB cable supplied with the iPod via the USB port of this unit, and also an iPod can be controlled with the remote control unit for this unit.

M-XPort (Marantz-eXtension Port)

This unit is equipped with the M-XPort, a Marantz original innovation that provides outstanding expandability. You can connect the Wireless Receiver RX101 (sold separately) to this port.

Speaker terminal for front height channel

The unit is equipped with dedicated front height channel speaker terminals on the rear panel. You can enjoy 7.1-channel playback using the front height channel and 7.1-channel playback using the surround back channel, without having to reconnect the speakers.

Other features

- Dolby Virtual Speaker (1277 page 48)
- Dolby Headphone (PP page 48)
- DTS Neural Surround (1277 page 47)

• Before turning the power switch on

Check once again that all connections are correct and that there are no problems with the connection cables.

 Power is supplied to some of the circuitry even when the unit is set to the standby mode. When going on vacation or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.

About condensation

If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly.

If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.

• Cautions on using mobile phones

Using a mobile phone near this unit may result in noise. If that occurs, move the mobile phone away from this unit when it is in use.

Moving the unit

Turn off the power and unplug the power cord from the power outlet. Next, disconnect the connection cables to other system units before moving the unit.

About Care

- Wipe the cabinet and control panel clean with a soft cloth.
- Follow the instructions when using a chemical cleaner.
- Benzene, paint thinner or other organic solvents as well as insecticide may cause material changes and discoloration if brought into contact with the unit, and should therefore not be used.

ENGLISH

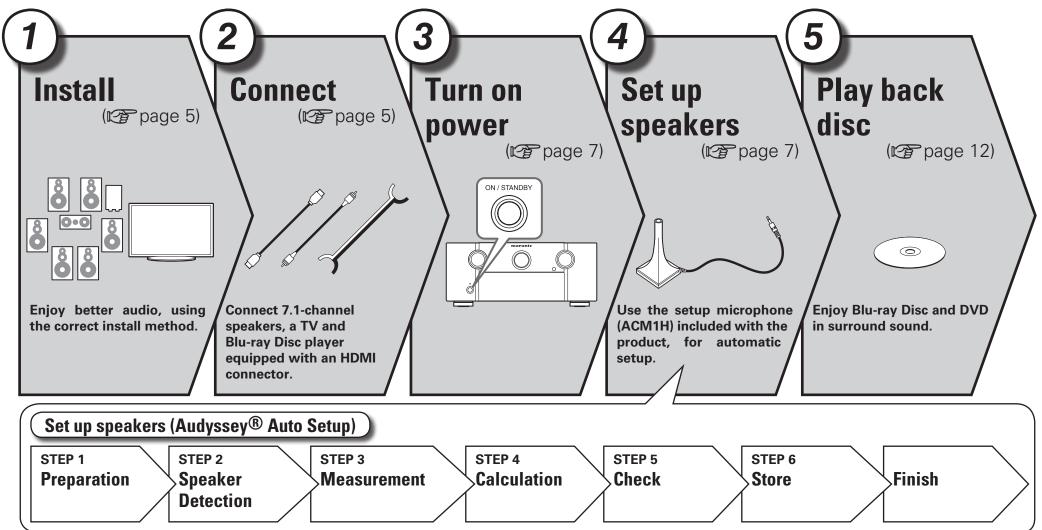
Simple Version (Simple setup guide)

Here, we explain the entire setup procedure, from unboxing the unit to using it in a home theater.

The "Simple version" section provides the speaker installation, connection, and setup methods for the 7.1-channel system with surround back speakers. For the installing, connecting, and setup methods of speakers other than the 7.1-channel system (with surround back speakers), see page 50.

□ Before connecting the unit, turn off the power to all devices.

□ For operation of the connected devices, refer to the user manuals for each device.

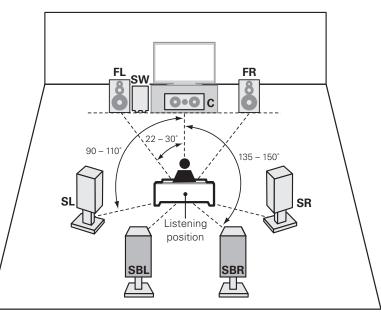


1 Install

to be used.

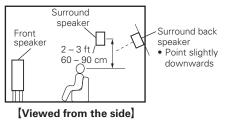
This unit can perform 2.0/2.1 to 7.1-channel surround playback. This page provides the speaker installation procedure for the 7.1-channel playback using surround back speakers as an example.

The default setting is 7.1-channel. You can also perform 5.1-channel playback. To perform 5.1-channel playback, connect5.1-channel speakers only. Use Audyssey Auto Setup function of this unit to automatically detect the number of connected speakers and perform optimal settings for the speakers



- FL Front speaker (L)
- FR Front speaker (R)
- C Center speaker SW Subwoofer
- SL Surround speaker (L)
- SR Surround speaker (R)
- **SBL** Surround back speaker (L)
- **SBR** Surround back speaker (R)

• Install the surround speakers in a position 2 to 3 ft (60 to 90 cm) higher than ear level.



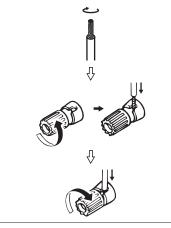


Speakers

Carefully check the left (L) and right (R) channels and + (red) and – (black) polarities on the speakers being connected to the this unit, and be sure to interconnect the channels and polarities correctly.

Connecting the speaker cables

Peel off about 0.03 ft/10 mm of sheathing from the tip of the speaker cable, then either twist the core wire tightly or terminate it.



NOTE

- Connect so that the speaker cable core wires do not protrude from the speaker terminal. The protection circuit may be activated if the core wires touch the rear panel or if the + and – sidestoucheachother (P page 113 "Protection Circuit").
- Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock.
- Use speakers with the speaker impedances shown below.

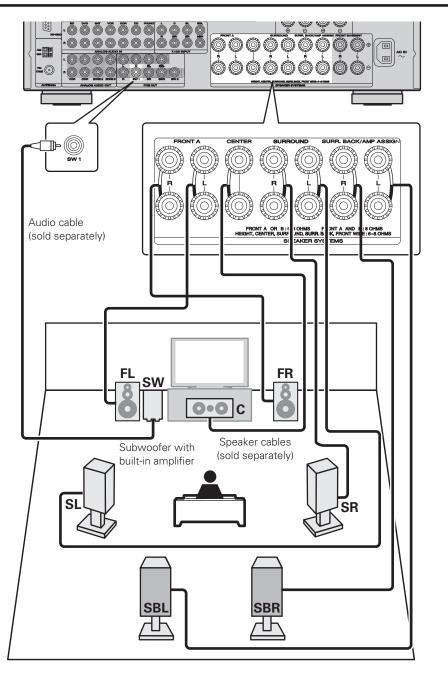
Speaker terminals	Speaker impedance		
FRONT A	6 – 8 Ω		
FRONT A + FRONT B	8 Ω		
CENTER			
SURROUND			
SURR. BACK / AMP ASSIGN	6 – 8 Ω		
FRONT B/HEIGHT			
FRONT WIDE			



Basic version

The "Simple version" section provides the speaker installation, connection, and setup methods for the 7.1-channel system with surround back speakers. For the installing, connecting, and setup methods of speakers other than the 7.1-channel system (with surround back speakers), see page 50.

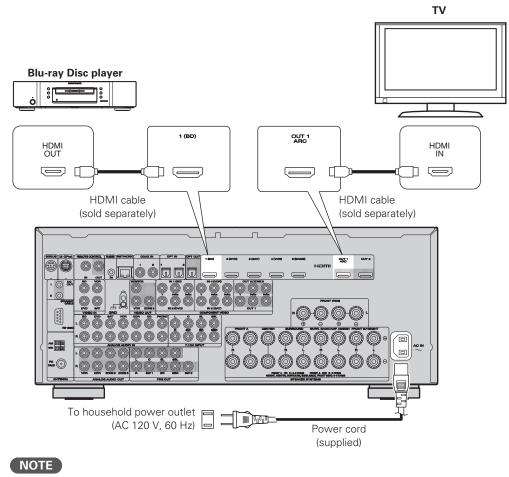
Connect



Blu-ray Disc player and TV

Use only an HDMI (High Definition Multimedia Interface) cable that bears the HDMI logo (a genuine HDMI product). Using a cable without the HDMI logo (a non-genuine HDMI product) may result in abnormal playback.

When outputting Deep Color or 1080p, etc., we recommend you use a "High Speed HDMI cable" or a "High Speed HDMI cable with Ethernet" for enhanced high-quality playback.



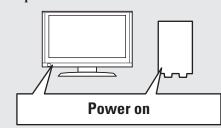
• Do not plug in the power cord until all connections have been completed.

• Do not bundle power cords together with connection cables. Doing so can result in humming or noise.

The "Simple version" section provides the speaker installation, connection, and setup methods for the 7.1-channel system with surround back speakers. For the installing, connecting, and setup methods of speakers other than the 7.1-channel system (with surround back speakers), see page 50.



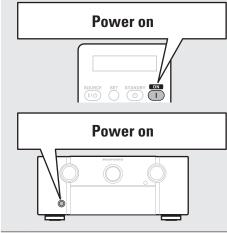
Turn on the TV and subwoofer power.



Change the TV input to the input of this unit.

3 Press **ON** to turn on power to the unit. The power indicator switches off, and power

The power indicator switches off, and power is supplied to the unit.



NOTE

Before you use the remote control unit for the first time, be sure to insert the batteries (127 page 104 "Inserting the batteries").

Set up speakers (Audyssey[®] Auto Setup)



The acoustic characteristics of the connected speakers and listening room are measured and the optimum settings are made automatically. This is called "Audyssey Auto Setup".

To perform measurement, place the setup microphone in multiple locations all around the listening area. For best results, we recommend you measure in six or more positions, as shown in the illustration (up to eight positions).

- When performing Audyssey Auto Setup, MultEQ® XT/Dynamic EQ®/Dynamic Volume[®] functions become active (12) page 76, 77).
- To set up the speakers manually, use "Speaker Setup" (127) page 80) on the menu.

NOTE

- Make the room as quiet as possible. Background noise can disrupt the room measurements. Close windows, silence cell phones, televisions, radios, air conditioners, fluorescent lights, home appliances, light dimmers, or other devices as measurements may be affected by these sounds.
- Cell phones should be placed away from all audio electronics during the measurement process as Radio Frequency Interference (RFI) may cause measurement disruptions (even if the cell phone is not in use).
- Do not unplug the setup microphone from the main unit until Audyssey Auto Setup is completed.
- Do not stand between the speakers and setup microphone or allow obstacles in the path while the measurements are being made. This will cause inaccurate readings.
- Loud test sounds may be played during Audyssey Auto setup. This is part of normal operation. If there is background noise in room, these test signals will increase in volume.

• Measurement cannot be performed when headphones are connected.

- Operating **VOLUME +, -** during the measurements will cancel the measurements.
- Advanced version

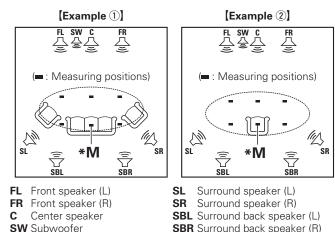
Simple version

Basic version

Set up speakers (Audyssey[®] Auto Setup)

About setup microphone placement

- Measurements are performed by placing the setup microphone successively at multiple positions throughout the entire listening area, as shown in **[Example** ①]. For best results, we recommend you measure in six or more positions, as shown in the illustration (up to eight positions).
- Even if the listening environment is small as shown in **[Example** (2)], measuring at multiple points throughout the listening environment results in more effective correction.



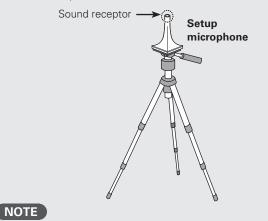
About the main listening position (*M)

The main listening position is the position where listeners would normally sit or where one would normally sit alone within the listening environment. Before starting Audyssey Auto Setup, place the setup microphone in the main listening position. Audyssey MultEQ[®] XT uses the measurements from this position to calculate speaker distance, level, polarity, and the optimum crossover value for the subwoofer.

Prepare the setup microphone

Mount the setup microphone on a tripod or stand and place it in the main listening position.

When placing the setup microphone, adjust the height of the sound receptor to the level of the listener's ear.



- Do not hold the setup microphone in your hand during measurements.
- Avoid placing the setup microphone close to a seat back or wall as sound reflections may give inaccurate results.

Set up the subwoofer

If using a subwoofer capable of the following adjustments, set up the subwoofer as shown below.

U When using a subwoofer with a direct mode

Set the direct mode to "On" and disable the volume adjustment and crossover frequency setting.

When using a subwoofer without a direct mode Make the following settings:

- Volume : "12 o'clock position"
- **Crossover frequency**: "Maximum/Highest Frequency"
- Low pass filter : "Off"
- Standby mode : "Off"

NOTE

3

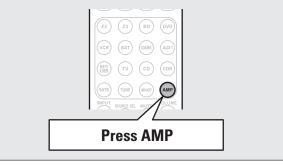
2

When you use two subwoofers, please adjust the subwoofer volume controls individually so that each subwoofer level is as close as possible to 75 dB using the test tone (12) page 81) before Audyssey Auto Setup.

Set up the remote control unit

Set up the operation mode

Press **AMP** to set the remote control unit to amplifier operation mode.

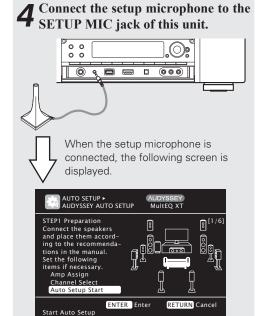


STEP 3

Measurement

STEP 1 **Preparation**

STEP 2 Speaker Detection



This screen provides the method for setting up 7.1-channel playback using surround back speakers. For the method of setting up speakers other than the 7.1-channel system, select "Amp Assign" and perform step 3 and 4 of "Set up "Amp Assign"" (B page 54).

If unused channels are set with "Channel Select", measuring time can be shortened. For setting, perform steps 5 to 9 of "Set up "Channel Select"" (B page 54).

5 Use $\Delta \nabla$ to select "Auto Setup Start" and then press ENTER and then press ENTER.

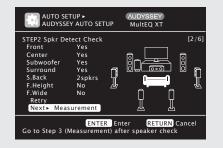
- In STEP 2, you will perform measurements at the main listening position.
- This step automatically checks the speaker configuration and speaker size, and calculates the channel level, distance, and crossover frequency. It also corrects distortion in the listening area.

6 Select "Measure" and then press ENTER.

When measuring begins, a test tone is output from each speaker.

Measurement requires several minutes.

7 The detected speakers are displayed.



ΝΟΤΕ

If a connected speaker is not displayed, the speaker may not be connected correctly. Check the speaker connection.

Q	Use	$\Delta \nabla$	to	select	"Next	
U	Meas	uremen	t" an	d then p	ress ENT	ER

If "Caution" is displayed:

Go to "Error messages" (Program page 11), check any related items, and perform the necessary procedures.

If the problem is resolved, return and restart "Audyssey Auto Setup".

When performing Audyssey Auto Setup over again

Press $\Delta \nabla$ to select "Retry", and then press **ENTER**.

When measuring has stopped

Press RETURN, to the "Cancel Auto Setup?" prompt is displayed. Press *⊲* to select "Yes", then press **ENTER**.

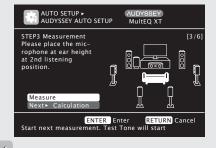
Setting up the speakers again

Repeat the operation from step 4 of STEP1 Preparation

- In STEP 3, you will perform measurements at multiple positions (two to eight positions) other than the main listening position.
- · You can achieve a more effective correction of distortion within the listening area by performing measurements at multiple positions.

9 Move the setup microphone to position 2, use $\triangle \nabla$ to select "Measure", and then press ENTER.

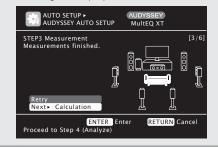
The measurement of the second position starts. Measurements can be made in up to eight positions.

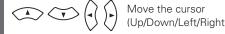


If you want to omit measurements from the next position onward, select "Next ► Calculation". (Go to STEP4 Calculation >)

1 Repeat step 9, measuring positions 3 **U** to 8.

When measurement of position 8 is completed, a "Measurements finished." message is displayed.

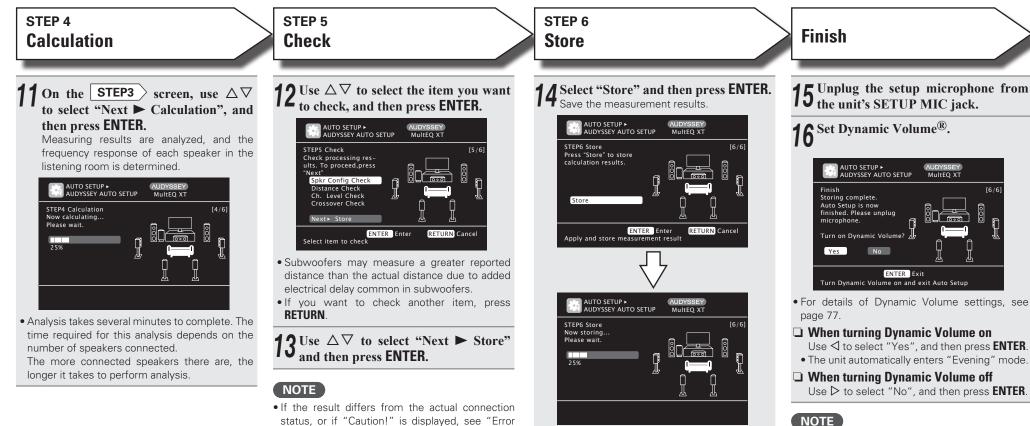




Basic version

Advanced versior

Set up speakers (Audyssev[®] Auto Setup)



- status, or if "Caution!" is displayed, see "Error messages" (R page 11). Then carry out Audyssey Auto Setup again.
- If the result still differs from the actual connection status after remeasurement or the error message still appears, it is possible that the speakers are not connected properly. Turn this unit off, check the speaker connections and repeat the measurement process from the beginning.
- If you change speaker positions or orientation, perform Audyssey Auto Setup again to find the optimal equalizer settings.

After performing Audyssey Auto Setup, do not change the speaker connections or subwoofer volume. In event of a change, perform Audyssey Auto Setup again.

AUDYSSEY MultEO XT

[6/6]





data will be erased.

not to turn off the power.

NOTE

• Saving the results requires about 10 seconds.

. If the measuring results are not to be saved,

press **RETURN**. A message "Cancel Auto

Setup?" will be displayed. Press ⊲ then select

"Yes". All the measured Audyssev Auto Setup

During saving of measurement results, be sure





Error messages

An error message is displayed if Audyssey[®] Auto Setup could not be completed due to speaker placement, the measurement environment, etc. If this happens, check the relevant items, be sure to take the necessary measures, then perform Audyssey Auto Setup over again.

NOTE

Be sure to turn off the power before checking speaker connections.

Examples	Error details	Measures	9 Use $\Delta \nabla$ to se	lect th
AUTO SETUP - AUDYSSEY AUDYSSEY AUTO SETUP MultEQ XT Caution! No microphone or Speaker	• The connected setup microphone is broken, or a device other than the supplied setup microphone is connected.	• Connect the included setup microphone to the SETUP MIC jack of this unit.	Press ENTER of Measurement res	r ⊳.
Retry	 Not all speakers could be detected. The front L speaker was not properly detected. 	• Check the speaker connections.	Speaker Distance Channel	METER CHEC Config Che Check Level Checl er Check
(RETURN) Cancel Check cause of problem!			Restore	_
AUTO SETUP • (AUDYSSEY) AUDYSSEY AUTO SETUP MultEQ XT Caution!	• There is too much noise in the room for accurate measurements to be made.	 Either turn off any device generating noise or move it away. Perform again when the surroundings are 	Show spea	ker configui
Ambient noise is too high or Level is too low		quieter.	Speaker Config. Check	Check
	• Speaker or subwoofer sound is too low for accurate measurements to be made.	• Check the speaker installation and the direction in which the speakers are facing.	Distance Check	Check
Retry		• Adjust the subwoofer's volume.	Channel Level Check	Check
RETURN Cancel			Crossover Check	Check
Check cause of problem!	The displayed speaker could not be detected.	Check the connections of the displayed	EQ Check	Check
AUTO SETUP · AUDYSEEY AUDYSSEY AUTO SETUP MulteQ XT Caution! Front R None B B B		speaker.	 If "EQ Check" is selecurve ("Audyssey" o Use ⊲ ▷ to switch t 	r "Audy
			3 Press RETURN The confirmation	• screen r
RETURN Cancel Check cause of problem!			Retrieving Audys	sey Aı
AUTO SETUP · AUDYSSEY MulteQ XT Caution! Front L Phase Retry Skip Check cause of problem!	• The displayed is connected with the polarities reversed.	 Check the polarities of the displayed speaker. For some speakers, this error message may be displayed even if the speaker is properly connected. If you are sure the connection is correct, press Δ∇ to select "Skip", then press ENTER. 	If you set "Restore" to measurement result (v even when you have ch	alue cal

This function enables you to check the measurement results and equalizer characteristics after Audyssey Auto Setup.

Use $\Delta \nabla$ to select "Parameter Check" and then press **ENTER** or \triangleright .

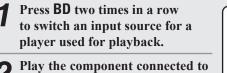
ieck el Check Check	
configuration result	
Check the speaker configuration.	
Check the distance.	
Check the channel level.	
Check the crossover frequency.	
Check the equalizer.	
ed in step 2, press $\Delta \nabla$ to select equalizin 'Audyssey Flat") to be checked. e display between the different speakers.	
reen reappears. Repeat steps 2.	
ey Auto Setup settings	





5)	Play	back	disc





2 this unit.

Make the necessary settings on the player (language setting, subtitles setting, etc.) beforehand.

2	Adjust	the	sound	VO	lume

VOLUME +	Volume up
VOLUME –	Volume down
MUTE	Muting

Set the listening mode.

4 Set the listening mode according to the playback contents (cinema, music, etc.) or according to your liking (1) page 46 "Selecting a listening mode (Surround mode)").

When power is switched to standby

Press STANDBY.

(HDM) (A/D) (TONE) (A/B)

(VCR) (SAT) (GAME) (AUX

BD

(M-XP) (TUNE)

> VOLUM

- [Power indicator status in standby mode]
- Normal standby : Red
- When "HDMI Control" is set to "ON" : Orange
- When "Network Standby" is set to "ON" : Orange

You can also switch the power to standby by pressing **ON/STANDBY** on the main unit.





NOTE

During power standby, a minimal amount of power is consumed. To totally cut off the power, remove the power cord from the power outlet.

13

Basic version

Basic version

Here, we explain the connections and basic operation methods for this unit.

- Connections 😰 page 14
- Playback (Basic operation) 2 page 26
- Selecting a listening mode (Surround mode) 🖙 page 46

□ Refer to the pages indicated below for information on connecting and playing back the various media and external devices.

Audio and Video	Connection	Playback
TV		_
Blu-ray Disc player	🕼 page 16, 17	🖙 page 27
DVD player	🕼 page 16, 18	🕼 page 27
Video cassette recorder	🕼 page 16, 19	-
Set-top box (Satellite tuner or cable TV)	🕼 page 16, 18	-
Game console	🕼 page 16	-
Digital camcorder	🕼 page 19	-
Audio	Connection	Playback
iPod [®]	 @ page 20	🕼 page 28
USB memory device	🕼 page 20	🕼 page 29
CD player	🕼 page 20	🕼 page 27
CD recorder	🕼 page 21	-
Record player	🕼 page 21	-
SIRIUS satellite radio	🕼 page 22	🕼 page 31
HD Radio receiver	🖅 page 22	🕼 page 33
Wireless receiver (RX101)	🕼 page 23	-
Network	Connection	Playback
INELWORK		

Connections

Important information

- Make connections as follows before using this unit. Select an appropriate connection type according to the components to be connected.
- You may need to make some settings on this unit depending on the connection method. Refer to each description for more information.
- Select the cables (sold separately) according to the components being connected.

NOTE

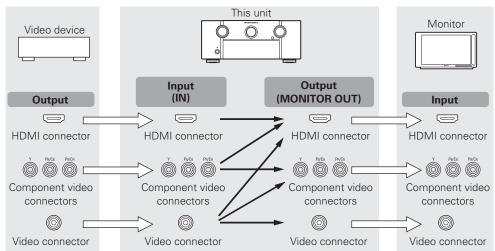
- Do not plug in the power cord until all connections have been completed.
- When making connections, also refer to the operating instructions of the other components being connected.
- Be sure to connect the left and right channels properly (left with left, right with right).
- Do not bundle power cords together with connection cables. Doing so can result in noise.

Converting input video signals for output (Video conversion function)

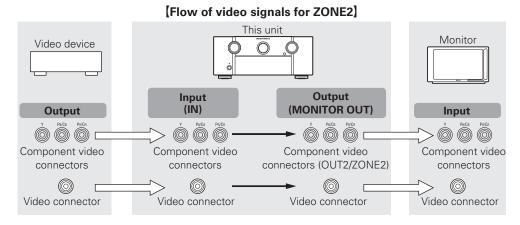
This unit is equipped with three types of video input connectors (HDMI, Component video and video) and three types of video output connectors (HDMI, Component video and video).

Use the connectors corresponding to the components to be connected.

This function automatically converts various formats of video signals input to this unit into the formats used to output the video signals from this unit to a monitor.



[Flow of video signals for MAIN ZONE]



in Set as Necessary

- Set when not using the video conversion function.
- "Video Convert" (P page 72)
- Set when changing the resolution of the video signal. "Resolution" (P page 72)

- The video conversion function supports the NTSC, PAL, SECAM, NTSC 4.43, PAL-N, PAL-M and PAL-60 formats.
- The resolution of the video signal input to this unit's HDMI connector is the one set at "Resolution" (27 page 72). (1080p HDMI signals and 1080p component signals are output at 1080p, regardless of the setting.)
- Resolutions of HDMI-compatible TVs can be checked at "HDMI Monitor 1 Information" or "HDMI Monitor 2 Information" (1) page 90).

NOTE

- HDMI signals cannot be converted into analog signals.
- When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate.
- Component video input signals cannot be converted into Video format.
- A menu is output via the HDMI connector or component video connector.
- When using component output terminal 2 for ZONE2 video signal output, set "Input Setup" "Input Assign" "Component" (1) not the menu to "ZONE2".

Important information

Examples of screen display

• Menu screen	• Status display screen When the input source is switched	When the volume is adjusted
Menu		
Audio/Video Adjust Information Auto Setup Manual Setup Input Setup		
Adjust various audio and video parameters	Input BD Auto Mode STEREO	Master Volume -80.0dB

Status display: The operating status appears briefly on the screen when the input source is switched or the volume is changed.

NOTE

- If you operate the menu while playing back 3D video content, the playback video is replaced by the menu screen. The playback video is not displayed behind the menu screen.
- This unit does not show the status display while playing back 3D video content.

Connecting an HDMI-compatible device

You can connect up to six HDMI-compatible devices to the unit.

HDMI function

This unit supports the following HDMI functions:

• 3D

- Deep Color (🖅 page 111)
- Auto Lip Sync (😰 page 82, 111)
- x.v.Color, sYCC601 color, Adobe RGB color, Adobe YCC601 color (12) page 111, 113)
- High definition digital audio format
- ARC (Audio Return Channel)
- Content Type
- CEC (HDMI control)

Copyright protection system

In order to play back digital video and audio such as BD-Video or DVD-Video via HDMI connection, both this unit and TV or the player need to support the copyright protection system known as HDCP (Highbandwidth Digital Content Protection System). HDCP is copyright protection technology comprised of data encryption and authentication of the connected AV device. This unit supports HDCP.

• If a device that does not support HDCP is connected, video and audio are not output correctly. Read the user guide of your television or player for more information.

About HDMI cables

- When a device supporting Deep Color signal transfer is connected, use a cable compatible "High Speed HDMI cable" or "High Speed HDMI cable with Ethernet".
- When the ARC function is used, connect a device with a "Standard HDMI cable with Ethernet" or "High Speed HDMI cable with Ethernet" for HDMI 1.4a.

HDMI control function (P page 57)

This function allows you to operate external devices from the receiver and operate the receiver from external devices.

NOTE

- The HDMI control function may not work depending on the device it is connected to and its settings.
- You cannot operate a TV or Blu-ray Disc player/DVD player that is not compatible with the HDMI control function.

About 3D function

This unit supports input and output of 3D (3 dimensional) video signals of the HDMI 1.4a standards. For playing the 3D video content, a player, and a TV that support the 3D function of the HDMI 1.4a standards are required in addition to this unit.

NOTE

- If you operate the menu while playing back 3D video content, the playback video is replaced by the menu screen. The playback video is not displayed behind the menu screen.
- This unit does not show the status display while playing back 3D video content.

About ARC (Audio Return Channel) function

The Audio Return Channel in HDMI 1.4a enables a TV, via a single HDMI cable, to send audio data "upstream" to this unit.

NOTE

- To enable the ARC function, set "HDMI Control" to "ON" (1) page 82).
- ARC function is only supported for the HDMI OUT 1 connector. In order to use the ARC function, connect the television to the HDMI OUT 1 connector.
- When connecting a TV that does not support the ARC function, a separate connection using an audio cable is required. In this case, refer to "Connecting a TV" (127) page 17) for the connection method.

About Content Type

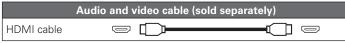
The HDMI specification version 1.4a enables simple, automated picture setting selection with no user intervention.

NOTE

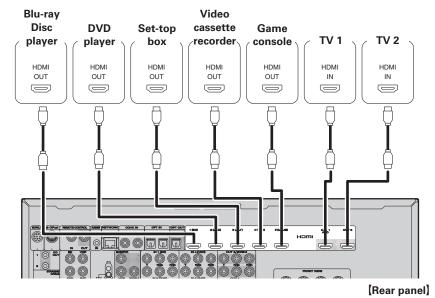
To enable the Content Type, set "Video Mode" to "Auto" (@ page 72).

Connecting an HDMI-compatible device

Cables used for connections



• This interface allows transfer of digital video signals and digital audio signals over a single HDMI cable.



Digital marantz camcorder HDMI OUT \bigcirc (0 0 0

[Front panel]

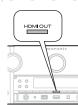
- When this unit is connected to other devices with HDMI cables, connect this unit and TV also with an HDMI cable
- When connecting a device that supports Deep Color transmission, please use a "High Speed HDMI cable" or "High Speed HDMI cable with Ethernet".
- Video signals are not output if the input video signals do not match the monitor's resolution. In this case. switch the Blu-ray Disc/DVD player's resolution to a resolution with which the monitor is compatible.
- When this unit and monitor are connected with an HDMI cable, if the monitor is not compatible with HDMI audio signal playback, only the video signals are output to the monitor.

NOTE

• The HDMI signal is not simultaneously output to HDMI 1 and HDMI 2. Select the connector that you want to use in advance using "Monitor Out" (2 page 82) in the menu, or by pressing the **HDMI** button on the remote control unit or the HDMI OUT button on the main unit.



- HDMI control function is only supported for the HDMI OUT 1 connector. In order to use the HDMI control function, connect the television to the HDMI OUT 1 connector.
- The audio signal from the HDMI output connector (sampling frequency, number of channels, etc.) may be limited by the HDMI audio specifications of the connected device regarding permissible inputs.



• The front panel HDMI input connector is displayed as "HDMI6" in the "Input Setup" – "Input Assign" (P page 70) in the menu.

Connecting to a device equipped with a DVI-D connector

When an HDMI/DVI conversion cable (sold separately) is used, the HDMI video signals are converted to DVI signals, allowing connection to a device equipped with a DVI-D connector.

NOTE

- No sound is output when connected to a device equipped with a DVI-D connector. Make separate audio connections.
- Signals cannot be output to DVI-D devices that do not support HDCP.
- Depending on the combination of devices, the video signals may not be output.

□ Settings related to HDMI connections

Set as necessary. For details, see the respective reference pages.

Input Assign (😰 page 70)

Set this to change the HDMI input connector to which the input source is assigned.

HDMI Setup (P page 82)

Make settings for HDMI video/audio output.

- RGB Range HDMI Control
- Auto Lip Sync Standby Source
- HDMI Audio Out

Monitor Out

• Power Off Control

NOTE

The audio signals output from the HDMI connectors are only the HDMI input signals.

Connecting a TV

- Select the connector to use and connect the device.
- For video connections, see "Converting input video signals for output (Video conversion function)" (127 page 14).
- For instructions on HDMI connections, see "Connecting an HDMI-compatible device" (1777 page 15).

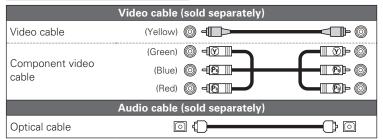
To listen to TV audio through this device, use the optical digital connection.

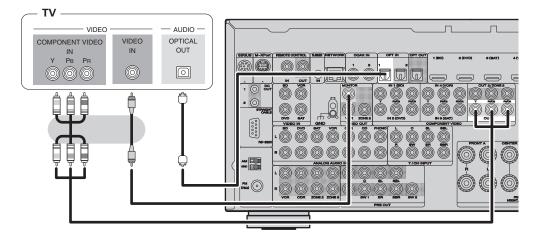
NOTE

This connection is not required when a TV compatible with the ARC function (Audio Return Channel (HDMI 1.4a standard function) is connected to this unit via an HDMI connection.

For details, see "About ARC (Audio Return Channel) function" (1277 page 15) or refer to the instruction manual for your TV.

Cables used for connections





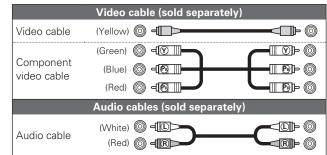
in Set as Necessary

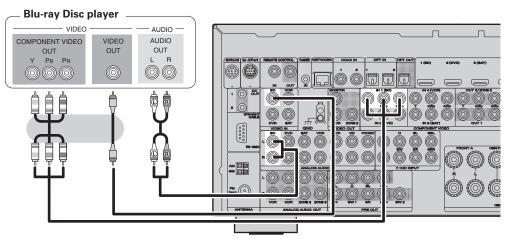
Set this to change the digital input connector to which the input source is assigned. "Input Assign" (P page 70)

Connecting a Blu-ray Disc player

- You can enjoy video and audio from a Blu-ray Disc.
- Select the connector to use and connect the device.
- For instructions on HDMI connections, see "Connecting an HDMI-compatible device" (1 page 15).

Cables used for connections





in Set as Necessary

Set this to change the digital input connector or component video input connector to which the input source is assigned.

"Input Assign" (P page 70)

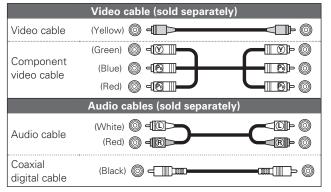
<u>(</u>

For HD audio (Dolby TrueHD, DTS-HD, Dolby Digital Plus and DTS Express) playback, connect with HDMI (127) page 15 "Connecting an HDMI-compatible device").

Connecting a DVD player

- You can enjoy video and audio from a DVD.
- Select the connector to use and connect the device.
- For instructions on HDMI connections, see "Connecting an HDMI-compatible device" (1277 page 15).

Cables used for connections



DVD player VIDEO AUDIO COMPONENT VIDEO AUDIO VIDEO COAXIAL OUT OUT OUT OUT PB PR 1 R 0 $\bigcirc \bigcirc$ ð ļ

in Set as Necessary

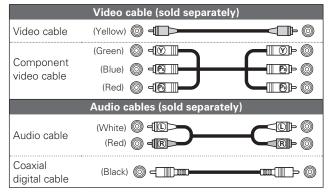
Set this to change the digital input connector or component video input connector to which the input source is assigned.

"Input Assign" (P page 70)

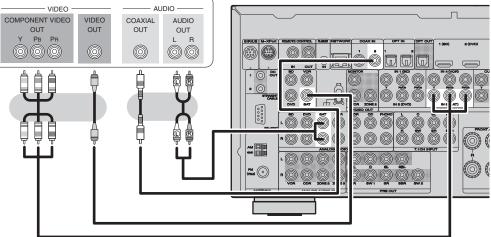
Connecting a set-top box (Satellite tuner/cable TV)

- You can watch satellite or cable TV.
- Select the connector to use and connect the device.
- For instructions on HDMI connections, see "Connecting an HDMI-compatible device" (1777 page 15).

Cables used for connections



— Satellite tuner/Cable TV —



in Set as Necessary

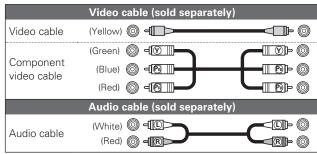
Set this to change the digital input connector or component video input connector to which the input source is assigned.

"Input Assign" (m page 70)

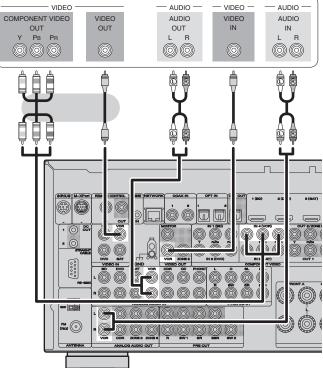
Connecting a video cassette recorder

- You can record video onto a video cassette tape.
- Select the connector to use and connect the device.
- When recording analog audio, use the analog connection.
- For instructions on HDMI connections, see "Connecting an HDMIcompatible device" (@ page 15).

Cables used for connections



— Video cassette recorder



in Set as Necessary

Set this to change the digital input connector or component video input connector to which the input source is assigned. "Input Assign" (P page 70)

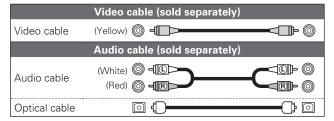
NOTE

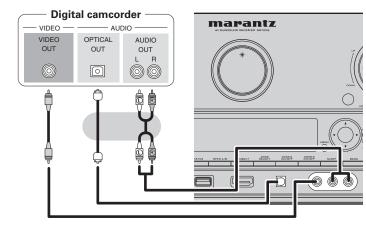
To record video signals through this unit, use the same type of video cable for connection between this unit and the player as used for connection between this unit and the recorder.

Connecting a digital camcorder

- You can enjoy video and audio from a digital camcorder.
- You can enjoy games by connecting a game machine via the AUX1 input connector. In this case, select the input source to "AUX1".
- For instructions on HDMI connections, see "Connecting an HDMIcompatible device" (127 page 15).

Cables used for connections





in Set as Necessary

Set this to change the digital input connector to which the input source is assigned.
"Input Assign" (@ page 70)

6

The front panel OPTICAL input terminal is displayed as "OPT3" in the "Input Setup" – "Input Assign" setting (127) page 70) in the menu.

NOTE

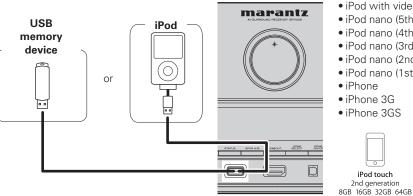
When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate. In this case, use the monitor output of the same connector as the input.

Connecting an iPod or USB memory device to the USB port

You can enjoy music stored on an iPod or USB memory device.

Cables used for connections

To connect an iPod to this unit, use the USB cable supplied with the iPod.



Marantz does not guarantee that all USB memory devices will operate

or receive power. When using a portable USB connection type HDD

of the kind to which an AC adapter can be connected to supply power,

• Do not use an extension cable when connecting a USB memory

device. This may cause radio interference with other devices.

USB memory devices will not work via a USB hub.

Supported iPod models

Made for

- iPod touch (2nd generation)
- iPod touch (1st generation) • iPod classic
- iPod with video
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone • iPhone 3G

iPod touch

1st generation

8GB 16GB 32GB

*

iPod classic

120GB 160GB (2009)

*

iPod classic

160GB (2007)

• iPhone 3GS



iPod classic 80GB

*

*

0

iPod

5th generation

(video)

60GB 80GB

3

0

iPod

5th generation

(video)

30GB



(video)

4GB 8GB

•

iPod nano

(aluminum)

2GB 4GB 8GB

1GB 2GB 4GB

-

____ iPod nano iPhone 3G 3rd generation 8GB 16GB

— 57 2nd generation

iPhone 3GS





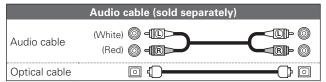


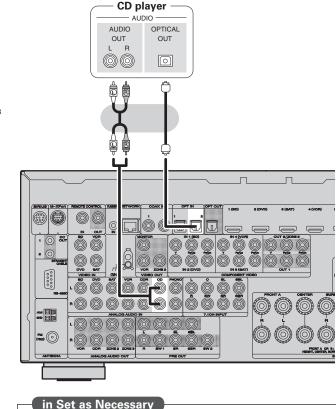
5th generation (video camera 8GB 16GB

Connecting a CD player

- You can enjoy CD sound.
- Select the connector to use and connect the device.

Cables used for connections





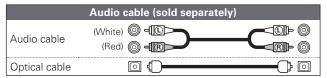
Set this to change the digital input connector to which the input source is assigned. "Input Assign" (Proge 70)

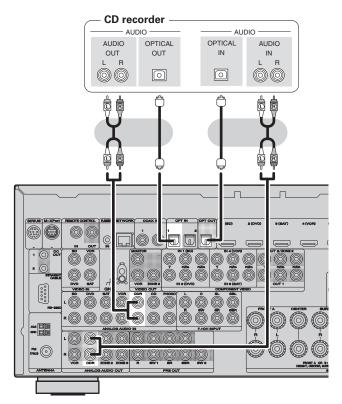
use the AC adapter.

Connecting a CD recorder

- You can record audio on a CD or cassette tape.
- Select the connector to use and connect the device.
- When recording analog audio, use the analog connection.

Cables used for connections





in Set as Necessary

Set this to change the digital input connector to which the input source is assigned. **"Input Assign"** (@ page 70)

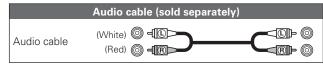
<u></u>

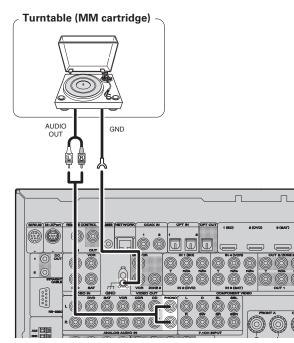
To perform digital recording using the digital connector (OPT OUT), assign either one of the digital input connectors to "CDR" by selecting "Input Setup" – "Input Assign" setting (12) page 70). The above figure shows an example of changing the assignment of OPT1 connector to "CDR".

Connecting a record player

You can enjoy playing records.

Cables used for connections





- This unit is compatible with record players with an MM cartridge. When you connect to a record player with an MC cartridge, use a commercially available MC head amp or a step-up transformer.
- When you increase the volume without connecting the record player, there may be "booming" noise from the speakers.

NOTE

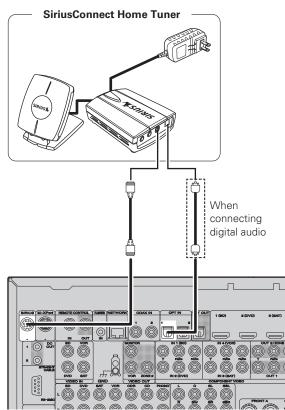
The SIGNAL GND terminal of this unit is not a safety ground connection. Connect it to reduce noise when noise is excessive. Note that depending on the record player, connecting the ground line may have the reverse effect of increasing noise. In this case, it is not necessary to connect the ground line.

Connecting an antenna

Connecting a SIRIUS connector

- This unit is a SIRIUS Satellite Radio Ready[®] receiver. You can receive SIRIUS[®] Satellite Radio by connecting to the SiriusConnect Home Tuner and subscribing to the SIRIUS service.
- Plug the SIRIUS connector on the SIRIUS service.
- Position the Home Tuner antenna near a south-facing window to receive the best signal.

For details, see "Listening to SIRIUS satellite radio" ((27) page 31). When making connections, also refer to the operating instructions of the SiriusConnect Home Tuner.



in Set as Necessary

When connecting digital of the SiriusConnect Home Tuner, perform the setting "Digital". "Input Assign" (P page 70)

NOTE

Keep the power cord unplugged until the SiriusConnect Home Tuner connection have been completed.

Positioning the antenna

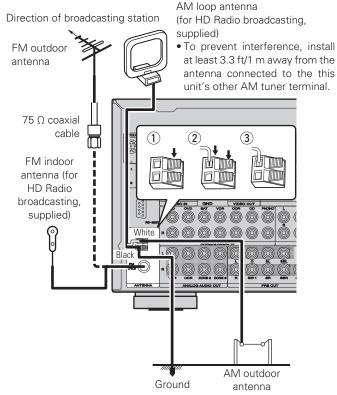
For a consistent satellite signal, the antenna must be positioned correctly. Use the following map to determine which area you are in and position the antenna accordingly.

WEST WEST

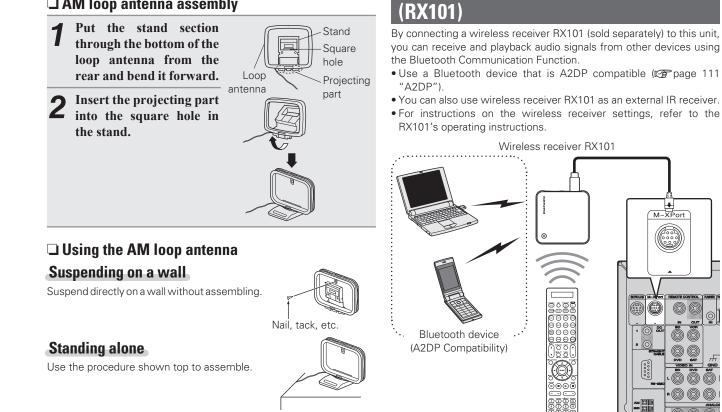
- Area 1 Point the antenna toward the sky in the east, northeast, or southeast, either through a window or outside.
- Area 2 Point the antenna toward the sky in the **north** or **northeast**, either through a window or outside.
- Area 3 Point the antenna toward the sky in the **north** or **northwest**, either through a window or outside.
- Area 4 Point the antenna toward the sky in the **west**, **northwest**, or **southwest**, either through a window or outside.
- Area 5 Put the antenna outside and point it straight up. The antenna cannot be used indoors.

Connecting an HD Radio receiver

- By connecting a HD Radio antenna to this unit, you can receive HD Radio programs.
- HD Radio broadcasting currentry is available in the United States and select other countries.



□ AM loop antenna assembly



Connecting an antenna

- Do not connect two FM antennas simultaneously.
- Even if an external AM antenna is used, do not disconnect the AM loop antenna.
- Make sure the AM loop antenna lead terminals do not touch metal parts of the panel.
- If the signal has noise interference, connect the ground terminal (GND) to reduce noise.
- If you are unable to receive a good broadcast signal, we recommend installing an outdoor antenna. For details, inquire at the retail store where you purchased the unit.

You can enjoy listening to music by connecting a wireless receiver via the M-XPort input connector. In this case, set the input source to "M-XPort".

Remote control unit

Connecting a wireless receiver

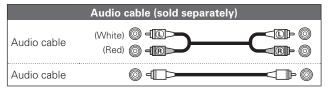
NOTE

To use wireless receiver RX101 as external IR receiver, set the remote sensor function of this unit to "Remote Lock:ON" (2) page 91 "Remote control settings").

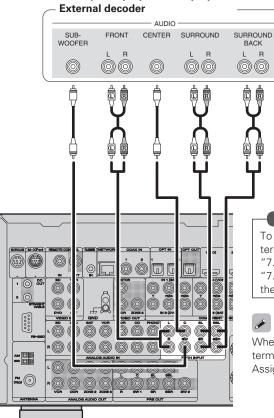
Connect a device that has a multichannel output terminal

- You can connect this unit to an external device fitted with multi-channel sound audio output jacks to enjoy music and video.
- The video signal can be connected in the same way as a Blu-ray Disc player / DVD player (B page 17 "Connecting a Blu-ray Disc player").

Cables used for connections



Blu-ray Disc player / DVD player /



in Set as Necessary

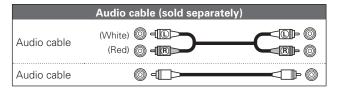
To play analog signals input from 7.1CH INPUT terminals, set "Input Mode" (Page 73) to "7.1CH IN". "7.1CH IN". "7.1CH IN" can also be selected with **A/D** on the remote control unit.

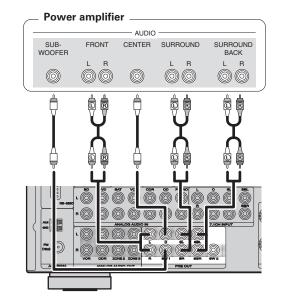
When a device is connected to the SBL/SBR terminal of 7.1CH INPUT terminals, set "Amp Assign" (127 page 80) to "Normal".

Connecting a external power amplifier

You can use this unit as a pre-amp by connecting a commercially available power amp to the PRE OUT connector. Adding a power amp to each of the channels provides an even greater sound presence.
Select the terminal to use and connect the device.

Cables used for connections





- When using just one surround back speaker, connect it to the left channel (L) terminal.
- Use the volume control on the subwoofer to control subwoofer volume.
- If the subwoofer volume sounds low, use the volume control provided on the subwoofer to adjust the volume.

NOTE

- When an external power amp is connected to the PRE OUT terminal, do not connect speakers to the speaker terminals.
- Depending on the settings in the "Amp Assign" (1277 page 80) menu or listening mode, the channel output from the SBL terminal or SBR terminal of the PRE OUT terminal differs.

Connecting to a home network (LAN)

• This unit lets you play via your home network (LAN) music files stored on a computer and music content such as that from Internet radio.

You can also operate this unit from a computer using the Web control function.

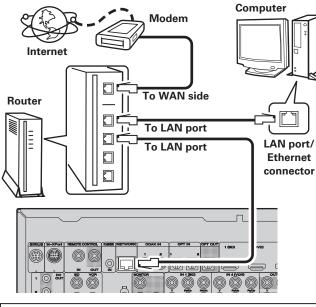
• You can update by downloading the latest firmware from the Marantz website.

For more information, on the menu, select "Firmware Update" (27 page 88).

• See "Network Setup" on the menu (127 page 83) for more information on network setting.

Cables used for connections





For connections to the Internet, contact an ISP (Internet Service Provider) or a computer shop.

Required system

Broadband internet connection

🗅 Modem

Device that connects to the broadband circuit and conducts communications on the Internet. A type that is integrated with a router is also available.

🗅 Router

When using this unit, we recommend you use a router equipped with the following functions:

- Built-in DHCP server This function automatically assigns IP addresses on the LAN.
- Built-in 100BASE-TX switch When connecting multiple devices, we recommend a switching hub with a speed of 100 Mbps or greater.

□ Ethernet cable (CAT-5 or greater recommended)

- Use only shielded STP or ScTP LAN cable which is available at retailer.
- Some flat type Ethernet cables are easily affected by noise. We recommend using a normal type cable.
- If you have an Internet provider contract for a line on which network settings are made manually, make the settings at "Network Setup" (127) page 83).
- With this unit, it is possible to use the DHCP and Auto IP functions to make the network settings automatically.
- When using this unit with the broadband router's DHCP function enabled, this unit automatically performs the IP address setting and other settings.

When using this unit connected to a network with no DHCP function, make the settings for the IP address, etc., at "Network Setup" (1997) page 83).

• When setting manually, check the setting contents with the network administrator.

NOTE

- A contract with an ISP is required to connect to the Internet. No additional contract is needed if you already have a broadband connection to the Internet.
- The types of routers that can be used depend on the ISP. Contact an ISP or a computer shop for details.
- Marantz assumes no responsibility whatsoever for any communication errors or troubles resulting from customer's network environment or connected devices.
- This unit is not compatible with PPPoE. A PPPoE-compatible router is required if you have a contract for a type of line set by PPPoE.
- Do not connect an NETWORK connector directly to the LAN port/ Ethernet connector on your computer.

Simple version

Basic version

Playback (Basic operation)

- Selecting the input source (Page 26)
- Adjusting the master volume (Provide the page 27)
- □ Turning off the sound temporarily (☞ page 27)

Playing a Blu-ray Disc player/DVD player (CP page 27)

- □ Playing a CD player (☞ page 27)
- □ Playing an iPod[®] (☞ page 28)
- □ Playing a USB memory device (☞ page 29)
- □ Tuning in radio stations (☞ page 31)
- Playing a network audio (page 35)

Selecting a listening mode (Surround mode) (P page 46)

Playback (Advanced operation) (1277 page 57)

Important information

Before starting playback, make the connections between the different components and the settings on the receiver.

NOTE

Also refer to the operating instructions of the connected components when playing them.

Selecting the input source

Press the input source select button (BD, DVD, VCR, SAT, GAME, AUX1, NET/USB, TV, CD, CDR, SATR, TUNE, M-XP) twice to play back that source. The desired input source can be selected directly.



You can also use the following operation to select an input source.

ø

- Select input source "PHONO" to play back music from a record player connected to the PHONO input connector.
- Select the input source "PHONO" using one of the following methods.
- ① "Source select " menu ("Using the "Source Select" menu" _ provided on the right)
- ② **INPUT** ▲▼ on the remote control unit ("Operating the remote control unit" provided on the right)
- ③ INPUT SELECTOR knob on the main unit ("Operating the main unit" provided on the right)
- Select input source "SIRIUS" with SATR button.

Using the "Source Select" menu

1 Press AMP and the press SOURCE SEL.

Display the "Source Select" menu.



Input Source

The name of the highlighted input source is displayed.

Recently used sources

The recently used input sources (up to five) are displayed.

- Icons for the input sources in the different categories are displayed.
- (2) Use $\Delta \nabla \triangleleft \triangleright$ to select the input source,

then press **ENTER**. The input source is set and the source selection menu is turned off.

- When using with an iPod connected directly to the USB port of this unit, select "Reg (NET/USB)" for the input source.
- Input sources that are not going to be used can be set ahead of time. Make this setting at "Source Delete" (127 page 86).
- To turn off the source selection menu without selecting an input source, press **SOURCE SEL** again.

Using the button on the remote control unit

- Press INPUT
- When **INPUT** ▲▼ is pressed, the input source is switched in the order shown below.

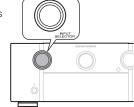


BD -> DVD -> VCR -> SAT -> GAME -> AUX1 -> NET/USB -

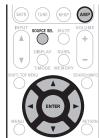
 \vdash M-XPort \triangleleft HD Radio \triangleleft SIRIUS \triangleleft PHONO \triangleleft CDR \triangleleft CD \triangleleft TV \triangleleft

$\hfill\square$ Using the knob on the main unit

- Turn INPUT SELECTOR.
- Turning **INPUT SELECTOR** switches the input source, as shown below.



BD -> DVD -> VCR -> SAT -> GAME -> AUX1 -> NET/USB -M-XPort -> HD Radio -> SIRIUS -> PHONO -> CDR -> CD -> TV -



TEST TONE

(HDMI) (A/D) (TONE) (A/B)

BD DVD

GAME

Adjusting the master volume

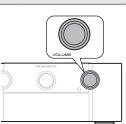
Use VOLUME to adjust the volume.

When the "Volume Display" setting (CP page 86) is "Relative" [Adjustable range] --- - - - 80.5dB - 18.0dB

SATR) (TUNE)	(M-XP)	AMP
INPUT	SOURCE SEL		VOLUME +
		\bigcirc	_
SHIFT/ TOP	MENU		

- □ When the "Volume Display" setting (☞ page 86) is "Absolute" [Adjustable range] 0.0 – 99.0
- The adjustable range may vary depending on input signal and channel level settings.

You can also operate via the main unit. In this case, perform the following operations. Turn **VOLUME** to adjust the volume.



Turning off the sound temporarily

Press MUTE.



- The sound is reduced to the level set at "Mute Level" (12 page 86).
- To cancel, press **MUTE** again. Muting can also be canceled by adjusting the master volume.

Set the front speakers to be used

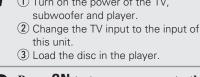
Press SPKR A/B.

- Each time you press **SPKR A/B**, the front speaker setting will change as follows.
- → Front A → Front B → Front A+B -



Important information

Playing a Blu-ray Disc player/DVD player The following describes the procedure for playing Blu-ray Disc player/ DVD player. Prepare for playback. 1) Turn on the power of the TV,



- 5 Press **ON** to turn on power to the unit. 3 Press **BD** or **DVD** twice to switch
 - the input source for the player
 - Play the component connected to this unit.
 - Make the necessary settings on the player (language setting, subtitles setting, etc.) beforehand.

Playing a CD player

used for playback.

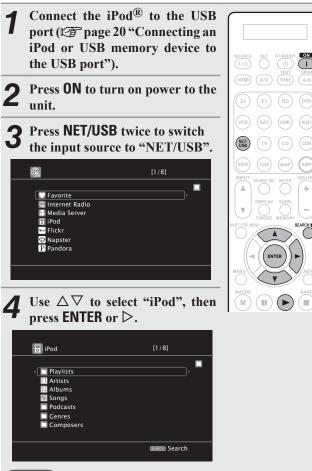
The following describes the procedure for playing CD player.

1	 Prepare for playback. ① Turn on the power of the subwoofer and player. ② Load the disc in the player. 	SOURCE SET STANDBY ON
2	Press ON to turn on power to the unit.	HDMI A/D TONE A/B
3	Press CD twice to switch the input source to the CD player.	VCR SAT GAME AUX 1 NETI USB TV CD CDR
4	Play the component connected to this unit.	SATR (TUNE) (M-XP) (AMP INPUT SOURCE SEL MUTE VOLUM

Basic version

Playing an iPod[®]

You can play back both video, photo and audio.



NOTE

If the connections screen is not displayed, the iPod may not be properly connected. Reconnect it.

5 Press **SEARCH/INFO** and hold it down for 2 seconds or more to select the display mode.

• There are two modes for displaying the contents recorded on the iPod.

Remote mode Display iPod information on the TV screen.

• The unit display shows single-byte alphanumeric characters and some symbols only. "." is displayed in place of incompatible characters.

• In "Remote mode", the iPod display is as shown at right.

Direct mode Display iPod information on the iPod screen. • "Direct iPod" is displayed on the display of this unit.

Disp	lay mode	Remote mode	Direct mode
Playable	Music file	~	\checkmark
files	Video file		*
Active buttons	Remote control unit (This unit)	\checkmark	\checkmark
	iPod [®]		√

* Only the sound is played

6 Use $\Delta \nabla$ to select the item, then press ENTER or \triangleright to select the file to be played.



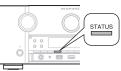
l Pod

marantz

OK to disconnect.

- FD

- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "NET/USB" (${\it CP}$ page 87). Press ${\it \Delta}
 abla {\it d} {\it b}$ to return to the original screen.
- To play back compressed audio with extended bass or treble reproduction, we recommend playback in M-DAX mode (1) page 78). The default setting is "OFF"
- In Remote mode, press STATUS during playback to check the title name, artist name, and album name.



NOTE

- Depending on the type of iPod and the software version, some functions may not operate.
- Note that Marantz will accept no responsibility whatsoever for any problems arising with the data on an iPod when using this unit in conjunction with the iPod.

Playing an iPod[®]

SOURCE SET STANDBY	
HOW AND TONE A/B	
(22 (23 (BD (DVD)	
VCR GAT GAR AUG	
SATE THE SATE	
INPUT SOURCE SEL MUTE VOLUME	
SHET/JOP MENU	
(ENTER)	
AUTO STEREO PRESECT REPLAT	
ADDELAY CRILINE DIVERSIVE	
CLR 0 +10 (NPUT)	
marantz RC011SR	

□ iPod operation

Operation buttons	Function
	Cursor operation /
	Auto search (cue, $\Delta abla$) /
	Manual search (Press and hold, $ riangle abla$)
ENTER	Enter / Pause
(Press and release)	Eiller / Fause
ENTER	0.
(Press and hold)	Stop
SEARCH	
(Press and release)	Page search * 1 / Character search * 2
SEARCH	
(Press and hold)	Remote / Direct mode switching
RETURN	Return
	Manual search
(Press and hold)	(fast-reverse/fast-forward)
	Playback / Pause
	Auto search (cue)
11	Pause
	Stop
REPEAT	Repeat playback
RANDOM	Random playback
	TV power on/standby
TV POWER	(Default : Marantz)
	Switch TV input
TV INPUT	(Default : Marantz)

*1 When the menu screen is displayed, press **SEARCH/INFO**, then press ⊲ (previous page) or \triangleright (next page).

To cancel, press $\Delta \nabla$ or **SEARCH/INFO** twice.

(Default : Marantz)

- *2 When the menu screen is displayed, press **SEARCH/INFO** twice, then press $\triangleleft \triangleright$ to select the first letter you want to search mode.
 - If it is not possible to search the list, "unsorted list." is displayed.

To cancel, press $\Delta \nabla$ or **SEARCH/INFO**.

- Repeat playback and shuffle playback can also be set from "Input Setup" - "Playback Mode" (CP page 73) in the menu.
- If the list is not in alphabetical order, you may not be able to perform a character search.

Playing a USB memory device

Playing back music or still picture (JPEG) files recorded on a USB memory device.

Important information

USB memory devices

A USB memory device can be connected to the USB port of this unit to play music and still picture (JPEG) files stored on the USB memory device.

Also, files stored on an iPod can be played when the iPod is connected directly to the USB port of this unit. See "Connecting an iPod or USB memory device to the USB port" (P page 20).

- Only USB memory devices conforming to mass storage class and MTP (Media Transfer Protocol) standards can be played on this unit
- This unit is compatible with USB memory devices in "FAT16" or "FAT32" format.

Album art function

When an MP3 music file includes album art data, the album art can be displayed while playing the file.

Slide show function

Still picture (JPEG) files stored on USB memory devices can be played as slide shows.

The duration each picture is displayed can be set.



This unit plays back image (JPEG) files in the orientation in which they are stored in the folder.

[Compatible	formats]
-------------	----------

	USB memory devices *1
WMA (Windows Media Audio)	√*2
MP3 (MPEG-1 Audio Layer-3)	\checkmark
WAV	\checkmark
MPEG-4 AAC	√*3
FLAC (Free Lossless Audio Codec)	\checkmark
JPEG	\checkmark

*1 USB

• This unit is compatible with MP3 ID3-Tag (Ver. 2) standard.

- This unit can show the artwork that was embedded by using MP3 ID3-Tag Ver. 2.3 or 2.4.
- This unit is compatible with WMA META tags.
- WAV format Quantization bit rate: 16 bits.
- FLAC format Quantization bit rate: 16/24 bits.
- *2 Copyright-protected files can be played on certain portable players compatible with MTP.
- *3 Only files that are not protected by copyright can be played on this unit.

Content downloaded from pay sites on the Internet are copyright protected. Also, files encoded in WMA format when ripped from a CD, etc. on a computer may be copyright protected, depending on the computer's settings.

[Compatible formats]			
	Sampling frequency	Bit rate	Extension
WMA (Windows Media Audio)	32/44.1/48 kHz	48 – 192 kbps	.wma
MP3 (MPEG-1 Audio Layer-3)	32/44.1/48 kHz	32 – 320 kbps	.mp3
WAV	32/44.1/48 kHz	-	.wav
MPEG-4 AAC	32/44.1/48 kHz	16 – 320 kbps	.aac/ .m4a/ .mp4
FLAC (Free Lossless Audio Codec)	32/44.1/48/ 88.2/96 kHz	_	.flac

Infor
mation

Advanced version

Playing a USB memory device

Playing files stored on USB memory devices

Connect the USB memory device to the USB port (P page 20 "Connecting an iPod or USB memory device to the USB port").

Press **NET/USB** twice to switch





3 Press $\triangle \nabla$ to select "USB", then press ENTER or \triangleright .

[1/7]	
+	

• Selecting 🙀 in the "Source Select" menu, lets you directly select "USB".

Press $\Delta \nabla$ to select the search item or folder, then press **ENTER** or \triangleright .

5 Press $\triangle \nabla$ to select the file, then press ENTER, \triangleright or Playback starts.

- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "NET/USB" (\mathbb{C} page 87). Press $\Delta \nabla \triangleleft \triangleright$ to return to the original screen.
- To play back compressed audio with extended bass or treble reproduction, we recommend playback in M-DAX mode (Frage 78). The default setting is "OFF".
- If the USB memory device is divided into multiple partitions, only the top partition can be selected.
- This unit is compatible with MP3 files conforming to "MPEG-1 Audio Laver-3" standards.

(NOTE)

- Note that Marantz will accept no responsibility whatsoever for any problems arising with the data on a USB memory device when using this unit in conjunction with the USB memory device.
- USB memory devices will not work via a USB hub.
- Marantz does not guarantee that all USB memory devices will operate or be supplied power. When using a USB portable hard disk that can draw power from an AC adapter, we recommend using the AC adapter.
- It is not possible to connect and use a computer via the USB port of this unit using a USB cable.

USB operation

	Operation buttons	Function
	PRESET +, -	Preset channel selection
		Cursor operation / Auto search (cue, $ riangle abla)$
	ENTER (Press and release)	Enter / Pause
	ENTER (Press and hold)	Stop
	SEARCH	Page search $*^1$ / Character search $*^2$
	RETURN	Return
(Playback / Pause
MACTO BAND		Auto search (cue)
		Pause
(11 11) (11 11)		Stop
AUTO STEREO PORECT REFEAT 1 2 3 CO MULTIO REDAX ACEX RANDON 4 5 65 CS ADELAY CHIVE OTNOOVEL 7 8 9 100	1 – 8	Preset channel selection
	SHIFT	Preset channel block selection
CLR 0 (+10) NPUT INSERT DELETE -CHANNEL	REPEAT	Repeat playback
	RANDOM	Random playback
RC011SR	TV POWER	TV power on/standby (Default : Marantz)
	TV INPUT	Switch TV input (Default : Marantz)

- *1 When the menu screen is displayed, press **SEARCH/INFO**, then press ⊲ (previous page) or ▷ (next page).
 - To cancel, press $\Delta \nabla$ or **SEARCH/INFO** twice.
- *2 When the menu screen is displayed, press **SEARCH/INFO** twice, then press $\triangleleft \triangleright$ to select the first letter you want to search mode.
 - If it is not possible to search the list, "unsorted list." is displayed.
 - To cancel, press $\Delta \nabla$ or **SEARCH/INFO**.

- Repeat playback and shuffle playback can also be set from "Input Setup" - "Playback Mode" (CP page 73) in the menu.
- If the list is not in alphabetical order, you may not be able to perform a character search.

Tuning in radio stations

Important information

About SIRIUS XM radio

To listen to Satellite Radio, you'll need to connect either a SIRIUS or XM Satellite Radio tuner (sold separately) to your satellite-ready receiver. Satellite Radio is available to residents of the US (except Alaska and Hawaii) and Canada.

Satellite Radio delivers a variety of commercial-free music from categories ranging from Pop, Rock, Country, R&B, Dance, Jazz, Classical and many more plus coverage of all the top professional and college sports including play by play games from select leagues and teams. Additional programming includes expert sports talk, uncensored entertainment, comedy, family programming, local traffic and weather and news from your most trusted sources.

Whether you purchase a SIRIUS or XM tuner, you'll need to activate and subscribe to begin enjoying the service. Easy to follow installation and setup instructions are provided with the satellite tuners. Whichever service you choose, there are a variety of programming packages available, including the option of adding "The Best of SIRIUS" programming to your XM tuner or "The Best of XM" programming to your SIRIUS tuner, enabling you to enjoy the most popular programming among both services. The "Best of" packages are not available to SIRIUS or XM Canada subscribers at this time.

Family friendly packages are also available to restrict channels featuring content that may be inappropriate for children.

To subscribe to XM, U.S. customers should visit xmradio.com or call 1-800-XMRADIO (1-800-967-2346); Canadian customers should visit xmradio.ca or call XM Listener Care at 1-877-GETXMSR (1-877-438-9677).

To subscribe to SIRIUS, U.S. and Canadian customers can call 1-888-539-SIRI (1-888-539-7474) or visit sirius.com (US) or siriuscanada.ca (Canada).

□ SIRIUS XM radio legal

SIRIUS, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. and its subsidiaries. All other marks and logos are the property of their respective owners. All rights reserved. SIRIUS and XM subscriptions sold separately. Taxes and a one-time activation fee may apply. XM tuners and home docks or SIRIUS tuners (each sold separately) are required to receive the SIRIUS or XM satellite radio service. All programming and fees subject to change. It is prohibited to copy, decompile, disassemble, reverse engineer, hack, manipulate or otherwise make available any technology or software incorporated in receivers compatible with the SIRIUS or XM Satellite Radio Systems. Service not available in Alaska and Hawaii.

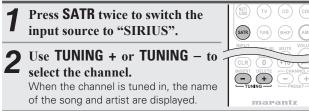
□ Using the HD Radio[™] receiver

HD Radio stations offer higher sound quality than conventional FM/ AM broadcasts. It is also possible to receive data services and select broadcasts from among up to eight multicast programs. HD Radio technology provides higher guality sound than conventional broadcasts and allows reception of data services.

- FM sounds as sensational as CDs
- AM sounds as rich as analog FM stereo
- A variety of "data services", including text-based information, song title, artist name, album name, genre, etc. can be received. Furthermore, in addition to conventional broadcasts, with HD Radio broadcasting it is possible to choose from up to 8 multicast programs.

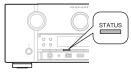
For detailed information on HD Radio technology, please go to "www. ibiquity.com".

Listening to SIRIUS satellite radio



- The channel switches continuously when **TUNING +** or **TUNING –** is pressed and held.
- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "TUNER" (\mathcal{D} page 87). Press $\Delta \nabla \triangleleft \triangleright$ to return to the original screen.
- The song title, artist name, composer name, category and reception level can be checked by pressing STATUS.

Þ



Tuning in radio stations

Checking the SIRIUS signal strength and radio ID

Press STATUS until "SIGNAL" appears on the

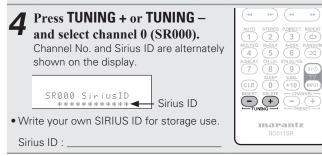
display.

The display will switch as shown below, depending on the reception conditions.

Display	Status		
EXCELLENT	Signal strength is excellent		
GOOD	Signal strength is good		
WEAK	Signal strength is weak		
NO SIGNAL	No signal		

Adjust the position of the antenna until "SIGNAL: **EXCELLENT**" is shown on the display.

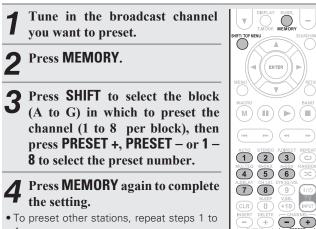
Press STATUS until the channel (example: "SR001") is displayed.



The strength of both the SIRIUS satellite and terrestrial signals can be checked "Antenna Aiming" (127 page 70).

Presetting radio channels (Preset memory)

Your favorite broadcast channels can be preset so that you can tune them in easily. Up to 56 channels can be preset.



NOTE

4.

STATUS

Preset channels are erased by overwriting them.

Listening to preset channels

Press PRESET +, PRESET - to select the desired preset channel, then press ENTER.

• Preset channels can also be selected by pressing SHIFT/TOP MENU (Block) and 1 -8 (Channel).



INPUT

M)

(1)(2)(3)

(4) (5) (6)

0

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44

9

TV

You can also operate via the main unit. In this case, perform the following operations. Press $\triangleleft \triangleright$ to select the preset radio channel.



Searching categories

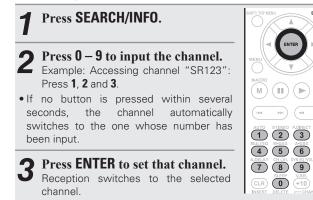




(

Use $\triangleleft \triangleright$ to select the category, to use $\triangle \nabla$ to select the desired channel.

Accessing SIRIUS satellite radio channels directly



- "UPDATING" is displayed while the encording code is being updated.
- "SIRIUS UPDATING" is displayed when updating SIRIUS tuner firmware.
- Refer to "Troubleshooting" "SIRIUS Satellite Radio" (
 page 115) regarding other messages.

Tuning in radio stations

0

Parental Lock

	Tune to the channel you want to lock.	T.MODE MEMORY SHIFT) TOP MENU
Ζ,	Press ENTER for at least 3 seconds. "Enter Lock Code" is displayed.	MERU MACRO
J J	Enter the 4-digit lock code using $\triangle \nabla \triangleleft \triangleright$ or $0 - 9$. When you enter the correct code, the corresponding channel is locked.	ALTEO STEREO PRIBET R ALTEO STEREO RESET R MULTEO MICHAE ACON R ALDELAY CH VX DIR EQVOL
4	Press ENTER.	7 8 9 CLR 0 +10 INSERT DELETE -CHANN

- Channels under Parental Lock cannot be tuned in by performing channel up/down or by category search.
- Channels stored in preset memory can be tuned in by the preset channel select operation, even if Parental Lock is applied.
- When a channel to which Parental Lock is applied is being played, Parental Lock for that channel is cancelled by performing step 2.
- See "Edit Lock Cord" (@page 70) for the method of changing Parental Lock Cord.
- You can also set "Parental Lock" (12 page 69) from the menu.

⊐ SIRIUS	operation
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mapantz RC011SR

	Operation buttons	Function
SOURCE SET STANDBY ON	PRESET +, -	Preset channel selection
1/6 0 0 1 1E31 SPAR (HDWI) (A/D) (TONE) (A/B)		Cursor operation / Category search
22 (22 (80 (9/0) (9/0) (847) (848) (448)	ENTER (Press and hold)	To parental lock password check screen
	SEARCH	Direct search
8478 TURE (847) AMP	RETURN	Return
	TUNING +, -	Channel selection
BIETLATY SUBR	0 – 9	Preset channel selection (1 – 8) / Direct frequency tuning (0 – 9)
(- (SHIFT	Preset channel block selection
	MEMORY	Preset memory registration
	TV POWER	TV power on/standby (Default : Marantz)
AUTO STEREO PORECT REPEAT 1 2 3 CD AUTO MORX ADDX RANDOM 4 5 6 X	TV INPUT	Switch TV input (Default : Marantz)
7 8 9 U/C CLR 0 +10 HVIJ INSERT CHANNEL - + - + - + + - + - + + - + - - +		

Listening to HD Radio stations

	Press TUNE twice to switch the input source to "HD Radio".	INPUT SOURCE S
	Press BAND to select "FM" or "AM".	
FM	When listening to an FM broadcast.	
AM	When listening to an AM broadcast.	MENU
-	Tune in the desired broadcast station.	
~	tune in automatically (Auto tuning) ress T.MODE to light the "HD-AUTO"	

or "AUTO" indicator on the display, then use **TUNING +** or **TUNING –** to select the station you want to hear.

- The **HD** indicator lights on the display when an HD Radio station is tuned in.
- When "HD-AUTO" (tuning mode) is selected, only HD Radio stations are tuned in.
- If "AUTO" (tuning mode) is selected, both HD Radio and analog stations are tuned in.

(2) To tune in manually (Manual tuning)

Press **T.MODE** to turn off the display's "AUTO" indicator, then use **TUNING +** or **TUNING –** to select the station you want to hear.

P

- If the desired station cannot be tuned in with auto tuning, tune it in manually.
- When tuning in stations manually, press and hold TUNING + or **TUNING** – to change frequencies continuously.
- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "TUNER" (\mathbb{C} page 87). Press $\Delta \nabla \triangleleft \triangleright$ to return to the original screen.

(><)

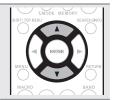
Tuning in radio stations

Selecting audio programs

HD Radio Technology enables stations to broadcast multiple Audio Program and data services on HD2 / HD3 / HD4 channels.

Press $\Delta \nabla$ to select the audio program.

If the station you are listening to has multiple audio programs, "HD1" is indicated on the display. If it only has one audio program, "HD" is indicated.



- P.P.

TV

Presetting radio stations (Manual preset)

Your favorite broadcast stations can be preset so that you can tune them in easily. Up to 56 stations can be preset.

• Stations can be preset automatically at "Auto Preset" (@ page 69).

If "Auto Preset" is performed after performing "Manual Preset", the "Manual Preset" settings will be overwritten.

Tune in the broadcast station you want to preset. \bigcirc Press MEMORY. ENTER Press SHIFT/TOP MENU to select the block (A to G) in which to M) preset the channel (1 to 8 per PPI (44 block), then press **PRESET** +. **PRESET** – or 1 - 8 to select the 123 preset number. 4 5 6 (7) (8) 9 Press **MEMORY** again to complete 0 the setting. -+ (+ • To preset other stations, repeat steps 1 to 4. marantz

Derault settings			
Block (A – G) and Channel (1 – 8)	Default Settings		
A1 – A8	87.5 / 87.9 / 89.1 / 93.3 / 97.9 / 98.1 / 98.9 / 100.1 MHz		
B1 – B8	101.9 / 102.7 / 107.9 / 90.1 / 90.1 / 90.1 / 90.1 / 90.1 MHz		
C1 – C8	530 / 600 / 930 / 1000 / 1120 / 1210 / 1400 / 1710 kHz		
D1 – D8	90.1 MHz		
E1 – E8	90.1 MHz		
F1 – F8	90.1 MHz		
G1 – G8	90.1 MHz		

Specify a name for the preset broadcast station (Preset Name) (12 page 70)

Listening to preset stations

Dofault cottings

Press SHIFT/TOP MENU to select the memory block (A to G).

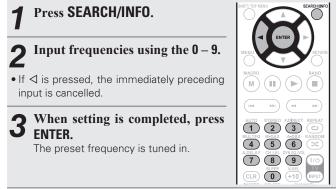
Press PRESET +, PRESET - or $2 \frac{1}{1-8}$ to select the desired preset channel.



You can also operate via the main unit. In this case, perform the following operations. Press $\triangleleft \triangleright$ to select the preset radio station.

Direct frequency tuning

You can enter the receiving frequency directly to tune in.



Check the HD Radio reception information

STATUS

Press STATUS while an HD Radio broadcast is being received. The current reception information is shown on the display. (1) Normal Frequency / Signal strength ③ Station name / Program and Program type

④ Title name / Artist name

(5) Album name / Genre name

NOTE

If the station signal weakens while receiving a digital broadcast (while HD and text is displayed), the mode automatically switches to the analog reception mode (the reception frequency is displayed). Because of this, the HD indicator and text may flicker if the station signal level is weak and unstable.

Tuning in radio stations

□ Tuner (HD Radio reception) operation

SOURCE ST STANDBY ON (1/0) (1	
(22 (23 (80 (99) (99) (94) (94) (94) (94) (94) (94) (94)	
INFUT SCIECE SE. MUTE VOLUME DISELAY SUBR.	-
AUTO STERED ROBECT REPEAT 1 2 3 U MULTEG MEDAX AOEX RANDON 4 5 6 3 ADELAY CHUN, DYSTOLIUS. 7 8 9 (10)	
marantz RC011SR	

· ·
Function
Preset channel selection
Cursor operation /
Multicast switching ($\Delta abla$)
Enter
Direct frequency tuning
Return
FM/AM switching
Switch search modes
Tuning (up/down)
Preset channel selection (1 – 8) /
Direct frequency tuning (0 – 9)
Preset channel block selection
Preset memory registration
TV power on/standby
(Default : Marantz)
Switch TV input
(Default : Marantz)

Playing a network audio

Follow this procedure to play Internet radio stations or music or still picture (JPEG) files stored on a computer.

Important information

□ About the internet radio function

- Internet radio refers to radio broadcasts distributed over the Internet.
- Internet radio stations from around the world can be received.
- This unit is equipped with the following Internet radio functions:
 Stations can be selected by genre and region.
- Up to 56 Internet radio stations can be preset.
- Internet radio stations in MP3 and WMA (Windows Media Audio) format can be listened to.
- Your favorite radio stations can be registered by accessing an exclusive Marantz Internet radio URL from a Web browser on a computer.
- The function is managed for individual users, so you must provide your MAC or e-mail address.
- Exclusive URL: <u>http://www.radiomarantz.com</u>
- The radio station database service may be suspended without notice.
- This unit's Internet radio station list is created using a radio station database service (vTuner). This database service provides a list edited and created for this unit.

Media player

This function lets you play music files and playlists (m3u, wpl) stored on a computer (media server) connected to this unit via a network.

With this unit's network audio playback function, connection to the server is possible using one of the technologies below.

- Windows Media Player Network Sharing Service
- Windows Media DRM10

Album art function

When a WMA (Windows Media Audio), MP3 or MPEG-4 AAC file includes album art data, the album art can be displayed while the music files are playing.

For music files in WMA (Windows Media Audio) format, the album art is only played when using Windows Media Player ver. 11.

Slide show function

Still picture (JPEG) files stored in folders on a media server can be played as slide shows. The duration each picture is displayed can be set.



This unit plays back image (JPEG) files in the orientation in which they are stored in the folder.

[Compatible formats]			
	Internet radio	Media server *1	
WMA (Windows Media Audio)	\checkmark	\checkmark	
MP3 (MPEG-1 Audio Layer-3)	\checkmark	\checkmark	
WAV		\checkmark	
MPEG-4 AAC		√*2	
FLAC (Free Lossless Audio Codec)		\checkmark	
JPEG		\checkmark	

A server or server software compatible with distribution in the corresponding formats is required to play music files via a network.

- *1 Media server
 - This unit is compatible with MP3 ID3-Tag (Ver. 2) standard.
 - This unit can show the artwork that was embedded by using MP3 ID3-Tag Ver. 2.3 or 2.4.
 - This unit is compatible with WMA META tags.
 - WAV format Quantization bit rate: 16 bits.
 - FLAC format Quantization bit rate: 16/24 bits.
- *2 Only files that are not protected by copyright can be played on this unit.

Content downloaded from pay sites on the Internet are copyright protected. Also, files encoded in WMA format when ripped from a CD, etc. on a computer may be copyright protected, depending on the computer's settings. **Basic version**

Playing a network audio

[Compatible formats]			
	Sampling frequency	Bit rate	Extension
WMA (Windows Media Audio)	32/44.1/48 kHz	48 – 192 kbps	.wma
MP3 (MPEG-1 Audio Layer-3)	32/44.1/48 kHz	32 – 320 kbps	.mp3
WAV	32/44.1/48 kHz	-	.wav
MPEG-4 AAC	32/44.1/48 kHz	16 – 320 kbps	.aac/ .m4a/ .mp4
FLAC (Free Lossless Audio Codec)	32/44.1/48/ 88.2/96 kHz	_	.flac

About Flickr

Flickr is an online photograph sharing service that started in 2004. You can use the this unit to view photographs that have been made public by Flickr users. You do not need an account to use Flickr. To view photographs that you recorded yourself, you need an account in order to upload these photographs to the Flickr server. For details, see the Flickr homepage.

http://www.flickr.com/

About Napster

Napster is a monthly subscription music distribution service provided by Napster LLC. This service allows users to download and play pieces of music they want to hear on this unit. Before you can use Napster, you will need to visit the Napster website on your PC to create an account and register as a member. For details, access the following site:

http://www.napster.com/choose/index default.html

About Pandora

Pandora is an automated music recommendation and Internet radio service created by the Music Genome Project.

When you first listen to Pandora, it is necessary to subscribe to a Pandora account at the Pandora homepage by your PC and register this machine. See the Pandora homepage for details. http://www.pandora.com/marantz

About Rhapsody

Rhapsody is a paid music broadcast service of RealNetworks. When you first listen to Rhapsody, it is necessary to subscribe to a Rhapsody account at the Rhapsody homepage by your PC and register this machine. See the Rhapsody homepage for details http://www.rhapsodv.com/marantz

Listening to internet radio

1 Prepare for playback. ① Check the network environment, then turn on this unit's power (B page 25 "Connecting to a home network (LAN)"). (2) If settings are required, make the "Network Connecting" (12 page 83).

Press NET/USB twice to switch

the input source to "NET/USB".

- Press $\Delta \nabla$ to select "Internet Radio", then press **ENTER** or \triangleright .
- Selecting (in the "Source Select" menu, lets you directly select "Internet Radio".

4 Press $\triangle \nabla$ to select the item you want to play, then press ENTER or \triangleright .

5 Repeat step 4 until the station list is displayed. The station list is displayed.

6 Press $\triangle \nabla$ to select the station, then press ENTER or \triangleright .

Playback starts once buffering reaches "100%".

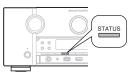
• There are many Internet radio stations on the Internet, and the quality of the programs they broadcast as well as the bit rate of the tracks varies widely.

Generally, the higher the bit rate, the higher the sound guality, but depending on the communication lines and server traffic, the music or audio signals being streamed may be interrupted. Inversely, lower bit rates mean a lower sound quality but less tendency for the sound to be interrupted.

- "Server Full" or "Connection Down" is displayed if the station is busy or not broadcasting.
- On this unit, folder and file names can be displayed as titles. Any characters that cannot be displayed are replaced with "." (period).
- To play back compressed audio with extended bass or treble reproduction, we recommend playback in M-DAX mode (12) page 78). The default setting is "OFF".



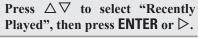
- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "NET/USB" (\mathbb{CP} \mathbb{CP} page 87. Press $\Delta \nabla \triangleleft$ \triangleright to return to the original screen.
- When **STATUS** is pressed, the display can be switched between the title name and radio station name.



Recently played internet radio stations

Recently played internet radio stations can be selected from "Recently Played".

Up to 20 stations stored in "Recently Played".

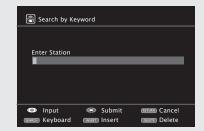


Press $\Delta \nabla$ to select the item you want to play, then press ENTER or \triangleright .

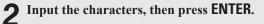


Searching stations by keyword (Alphabetic strings)

Press $\Delta \nabla$ to select "Search by Keyword", then press **ENTER** or \triangleright .



• For character input, see page 67.



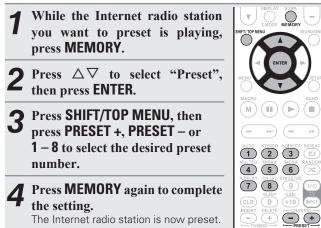


 \bigcirc

Playing a network audio

Presetting internet radio stations

Preset Internet radio stations can be selected directly.



NOTE

If registered at a number that has already been preset, the previously registered setting is cleared.

Listening to preset internet radio stations



This unit automatically connects to the Internet and playback begins.



Registering internet radio stations as your favorites

Favorites are listed at the top of the menu screen, so when a station is registered as a favorite it can be tuned in easily.

Press MEMORY while the Internet radio station you want to register is playing.

Press $\Delta \nabla$ to select "Favorites", then press **ENTER**.

3 Press < to select "Add". The Internet radio station is re-The Internet radio station is registered.

í 💷

• If you do not want to register the station, press ▷.

Listening to internet radio stations registered in your favorites

Press AMP and then press **SOURCE SEL** to display the Source Select menu. then select) (🕼 page 26).

Press NET/USB and then press $\Delta \nabla$ to select the Internet radio station, then press **ENTER** or \triangleright . This unit automatically connects to the Internet and playback begins.

AMP

SURR

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3

Clearing internet radio stations from your favorites

- Press **AMP** and then press **SOURCE SEL** to display the
- Source Select menu, then select **((page 26)**.
- Press **NET/USB** and then press $\Delta \nabla$ to select the Internet radio station you want to clear, then

Press *⊲* **to select "Remove".**

- press **MEMORY**.

The selected Internet radio station is cleared.

• To cancel the operation without clearing the station, press \triangleright .

Simple version

Playing a network audio

□ Internet radio operation

SQUECE SET STANDBY Image: set stand set	
22 (23) (80) (0VD) (VCR) (SAT) (SAE) (ALLY)	
INPUT SOURCE REL MUTE VOLUME	
AUTO STEREO POMECT REPEAT 1 STEREO POMECT REPEAT MULTED MEDAX ACDSX RANDOM 4 5 6 3	
marantz RC011SR	

Operation buttons	Function	
PRESET +, -	Preset channel selection	
	Cursor operation	
ENTER (Press and release)	Enter	
ENTER (Press and hold)	Stop	
SEARCH	Page search $*^1$ / Character search $*^2$	
RETURN	Return	
	Stop	
1 – 8	Preset channel selection	
SHIFT	Preset channel block selection	
MEMORY	Favorites / Preset memory registration	
TV POWER	TV power on/standby (Default : Marantz)	
TV INPUT	Switch TV input (Default : Marantz)	

*1 When the menu screen is displayed, press SEARCH/INFO, then press <</p>
(previous page) or ▷ (next page).

To cancel, press $\Delta \nabla$ or **SEARCH/INFO** twice.

- *2 When the menu screen is displayed, press SEARCH/INFO twice, then press ⊲ ▷ to select the first letter you want to search mode.
 - If it is not possible to search the list, "unsorted list." is displayed.

To cancel, press $\Delta \nabla$ or **SEARCH/INFO**.

If the list is not in alphabetical order, you may not be able to perform a character search.

Playing files stored on a computer

Use this procedure to play music files, image files or playlists.

Prepare for playback.

- Check the network environment, then turn on this unit's power
 (12) page 25 "Connecting to a home network (LAN)").
- If settings are required, make the "Network Connecting" (2 page 83).
 Prepare the computer (2 Computer's operating instructions).
- Press AMP and then press SOURCE SEL to display the Source Select menu, then select (1) (1) page 26).

3 Press NET/USB and then use $\triangle \nabla$ to select the server including the file to be played, then press ENTER or \triangleright .

4 Use $\triangle \nabla$ to select the search item or folder, then press ENTER or \triangleright .

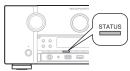
5 Repeat step 4 until the file is displayed.

6 Press $\Delta \nabla$ to select the file, then press ENTER or \triangleright . Playback starts once buffering reaches "100%".

- Connections to the required system and specific settings must be made in order to play music files (127) page 25).
- Before starting, you must launch the computer's server software and set the files as server contents. For details, see the operating instructions of your server software.
- Depending on the size of the still picture (JPEG) file, some time may be required for the file to be displayed.
- The order in which the tracks/files are displayed depends on the server specifications. If the tracks/ files are not displayed in alphabetical order due to the server specifications, searching by the first letter may not work properly.
- WMA Lossless files can be played when using a server supporting transcoding, such as Windows Media Player Ver. 11.

AMP

- To play back compressed audio with extended bass or treble reproduction, we recommend playback in M-DAX mode (12) page 78). The default setting is "OFF".
- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "NET/USB" (B page 87). Press $\Delta \nabla \triangleleft \triangleright$ to return to the original screen.
- Use **STATUS** to switch between displaying the title name, artist name or album name.



Playing files that have been preset or registered in your favorites

Files can be preset, registered in your favorites and played using the same operations as for Internet radio stations (12) page 37).

NOTE

- Presettings are erased by overwriting them.
- When the operations described below is performed, the media server's database is updated and it may no longer be possible to play preset or favorite music files.
- When you quit the media server and then restart it.
- When music files are deleted or added on the media server.
- When using an ESCIENT server, place "ESCIENT" before the server name.

Playing a network audio

□ Media server operation

HOWI (AID) (TONE) (AIB)	
VCR (SAT) (SAME) (ALK) HEIS (TV) (CD) (CDR)	
INPUT SOURCE SEL. MUTE VOLUME	
DEFLAY SURR.	
ALTO STEED PRINECT REPLAT	
1 2 3 C NULTED MOXX ADDX RANDOM ADDLAY CHLM: DYNEDIVOL 7 8 9 110	
CLR OF OFLICE	
marantz RC011SR	

Operation buttons	Function	
PRESET +, -	Preset channel selection	
	Cursor operation / Auto search (cue, $\Delta abla$)	
ENTER (Press and release)	Enter / Pause	
ENTER (Press and hold)	Stop	
SEARCH	Page search * 1 / Character search * 2	
RETURN	Return	
	Playback / Pause	
	Auto search (cue)	
	Pause	
	Stop	
1 – 8	Preset channel selection	
SHIFT	Preset channel block selection	
MEMORY	Favorites / Preset memory registration	
TV POWER	TV power on/standby (Default : Marantz)	
TV INPUT	Switch TV input (Default : Marantz)	

• Repeat playback (R page 73 "Repeat")

- Random playback (m page 73 "Random")
- *1 When the menu screen is displayed, press **SEARCH/INFO**, then press ⊲ (previous page) or ▷ (next page).

To cancel, press $\Delta \nabla$ or **SEARCH/INFO** twice.

- *2 When the menu screen is displayed, press **SEARCH/INFO** twice, then press $\triangleleft \triangleright$ to select the first letter you want to search mode.
 - If it is not possible to search the list, "unsorted list." is displayed.

To cancel, press $\Delta \nabla$ or **SEARCH/INFO**.

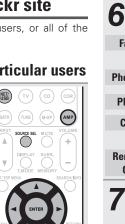
If the list is not in alphabetical order, you may not be able to perform a character search.

Viewing photographs on the Flickr site

You can view photographs shared by particular users, or all of the photographs shared on Flickr.

Uviewing photographs shared by particular users

Prepare for playback. NET/ USB ① Check the network environment, then turn on this unit's power (B page 25 "Connecting to a home network (LAN)"). ② If settings are required, make the "Network Connecting" (2 page 83). Press **AMP** and then press **SOURCE SEL** to display the Source Select menu, then select



$6_{\mathrm{or}\triangleright.}^{\mathrm{Press}\triangle}$	$\Delta \nabla$ to select the folder, and then press ENTER
Favorites	Displays the favorite photographs of the specified user.
Photostream	Displays a list of shared photographs.
PhotoSets	Displays the folder (photograph album) list.
Contacts	Displays a Username registered for Flickr Contact by a particular user.
Remove this Contact	Deletes a user from Flickr Contact.
7 Press \triangle or \triangleright .	$\Delta \nabla$ to select the file, and then press ENTER

The selected file is displayed.

3 Press NET/USB and then use $\triangle \nabla$ to select "Add Flickr Contact", then press ENTER or \triangleright . Flickr Contact", then press **ENTER** or \triangleright .

4 Enter "Username".

flickr (E page 26).

Add Flickr Contact All Content

flickr Flickr

• For character input, see page 67.

5 After inputting the "Username", then press ENTER. The "Username" entered in step 4 is displayed.

• If the Username you typed in cannot be found, "The Flickr Contact you entered could not be found" appears. Check and type in the correct Username.

Basic version

flickr Flickr

Playing a network audio

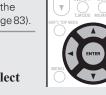
U Viewing all photographs on Flickr

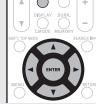
Prepare for playback.

- ① Check the network environment, then turn on this unit's power (page 25 "Connecting to a home network (LAN)").
- (2) If settings are required, make the "Network Connecting" (P page 83).
- Press **AMP** and then press **SOURCE SEL** to display the Source Select menu, then select flickr (E page 26).

Add Flickr Contact

All Content





	operation buttons	Tunction
	PRESET +, -	Preset channel selection
OUNCE SET STANDBY ON 11/6 0 0 1 TEST SPARE SPARE NUMIN A/D TONE A/B 22 (23) (BD) (DVB)		Cursor operation / Auto search (cue, $\Delta abla$)
ZZ ZZ (ZZ) (BD) (DVO) VCR SAT GAME (AUII) GEB (TV) (CD) (CDR)	ENTER (Press and release)	Enter
AND TO CONCERN THE AND TO CONCER	ENTER (Press and hold)	Stop
	SEARCH	Page Search *
	RETURN	Return
		Stop
SETURN	1 – 8	Preset channel selection
	SHIFT	Preset channel block selection
H BI CONTRACT REPEAT 1 2 3 CONTRACT REPEAT LITED BEDAX ADDX RANDON 4 5 6 (X)	TV POWER	TV power on/standby (Default : Marantz)
	TV INPUT	Switch TV input (Default : Marantz)

Operation buttons

□ Flickr operation

mapantz RC011SR

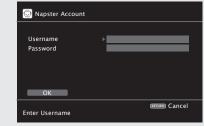
* When the menu screen is displayed, press **SEARCH/INFO**, then press \triangleleft (previous page) or \triangleright (next page).

Function

To cancel, press $\Delta \nabla$ or **SEARCH/INFO**.

Listening to Napster

Prepare for playback. (1) Check the network environment, (AMP) then turn on this unit's power (C page 25 "Connecting to a home network (LAN)"). (2) If settings are required, make the "Network Connecting" (2 page 83). Press **AMP** and then press -**SOURCE SEL** to display the Source Select menu, then select (C) (C) page 26). Press **NET/USB** and then use $\Delta \nabla \triangleright$ to input "Username" and "Password".



• For character input, see page 67.

After inputting the "Username" and "Password", select "OK", then press ENTER.

If the "Username" and "Password" match, the top menu for Napster is displayed.

NOTE

- The password should be no longer than 99 characters.
- Press RETURN to cancel the input. When "Cancel input?" is displayed, select "Yes", then press ENTER.

Press **NET/USB** and then use $\Delta \nabla$ to select "All Content", then press **ENTER** or \triangleright .

 $igstar{}$ Press $\Delta
abla$ to select the folder, and then press **ENTER** or ⊳.



Displays the most recently added photographs. Recent

Search by text Search for photographs by keyword.

5 Press $\Delta \nabla$ to select the file, and then press ENTER or \triangleright . or ⊳. The selected file is displayed.

NOTE

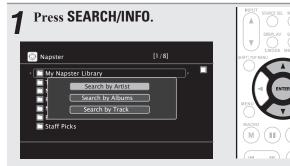
Depending on the file format, some photographs cannot be viewed.

Searching from Napster menu

- **1** Use $\triangle \nabla$ to select search item or folder, then press ENTER or \triangleright .
- **2** Repeat step 1 until the track is displayed.

3 Use $\triangle \nabla$ to select the track item, then press ENTER or \triangleright .

Entering a character search for the track you want to listen to

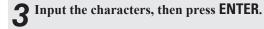


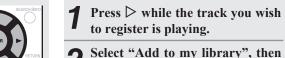
• You can search by artist name, album name or track name.

2 Use $\Delta \nabla$ to select the search item, then press ENTER. The search display appears.



• For character input, see page 67.





2 press ENTER or \triangleright .

The track is entered in the Library.

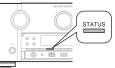
Listening to tracks registered in my Napster library

Registering tracks in my Napster library

1 Use $\triangle \nabla$ to select "My Napster Library", then press ENTER or \triangleright .

2 Use $\triangle \nabla$ to select the information or track, then press ENTER.

- To play back compressed audio with extended bass or treble reproduction, we recommend playback in M-DAX mode (12) page 78). The default setting is "OFF".
- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "NET/USB" (B page 87). Press $\Delta \nabla \triangleleft \triangleright$ to return to the original screen.
- Use **STATUS** to switch between displaying the title name, artist name or album name.



□ Napster operation

	Op
SOURCE SET STANDBY (1/S) (1/S) (1/S) (1/S) (HDM) (A/D) (TONE) (A/B)	
(22 (23 (80 (970) (976) (547) (448) (448)	/Dr
800 00 VT (88)	(Pr
VICUME SCORE SEL MUTE DEFRAY SLORE T.NCCE MENORY	(1
MACRO MACRO	
AUTO STERED FARRET REFAT AUTO STERED FARRET REFAT MULTEO REDAX ACES RANDOM	
4 5 6 x ABELAY CHUYL DN 50 YCL 7 8 9 10 CEL 60 Y2EL V2EL NGERT DELETE - CHANNEL -	

Operation buttons	Function	
PRESET +, -	Preset channel selection	
${\vartriangle}{\bigtriangledown}{\lor}{\lor}{\lor}$	Cursor operation / Auto search (cue, $\Delta \nabla$)	
ENTER (Press and release)	Enter / Pause	
ENTER (Press and hold)	Stop	
SEARCH	Search menu / Page search *	
RETURN	Return	
	Playback / Pause	
	Auto search (cue)	
	Stop	
1 – 8	Preset channel selection	
SHIFT	Preset channel block selection	
TV POWER	TV power on/standby (Default : Marantz)	
TV INPUT	UT Switch TV input (Default : Marantz)	

- Repeat playback (P page 73 "Repeat")
- Random playback (P page 73 "Random")
- When the menu screen is displayed, press
 SEARCH/INFO twice, then press
 (previous page) or ▷ (next page).
 To cancel, press △▽ or SEARCH/INFO.

peat") andom")

Advanced version

Simple version

Basic version

Playing a network audio

Listening to Pandora

Prepare for playback.

- Check the network environment, then turn on this unit's power (P page 25 "Connecting to a home network (LAN)").
 If settings are required, make the "Network Connecting" (P page 83).
- 2 Press AMP and then press SOURCE SEL to display the Source Select menu, then select P (P page 26). Then press NET/USB. Pandora I have a Pandora account I have a Pandora account I am new to Pandora



3 If you have a Pandora account, press $\triangle \nabla$ to select "I have a Pandora account", then press ENTER or \triangleright .

P Pandora Account	
Email address Password	
ОК	
Enter Email address	(ETURN) Cancel

4 Input "Email address" and "Password".

• For character input, see page 67.

5 After inputting the "Email address" and "Password", select "OK", then press ENTER.

If the "Email address" and "Password" match, the top menu for Pandora is displayed.

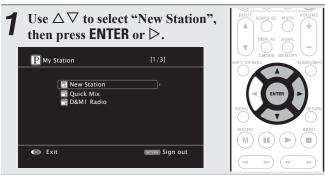
NOTE

AMP

Press **RETURN** to cancel the input. When "Cancel input?" is displayed, select "Yes", then press **ENTER**.

Creating an original radio station

You can create up to 100 original radio stations.



2 Input a "Track Name" or "Artist Name", then press ENTER.

• For character input, see page 67.

3 Use $\Delta \nabla$ to select "Search by artist" or "Search by track", then press ENTER.

You can search and display a list by track or artist.

Press $\triangle \nabla$, select a file (e.g. D&M2) from the list, and press ENTER or \triangleright .

Selected file is played back.

"Radio" is added to the end of a filename, and your original radio station is created (e.g. D&M2 Radio).



Basic version

select

Information

While the Pand displayed, press		ı is	INPUT SOURCE SEL MUTE
P My Station	[1/4]		T.MODE MEMOR
 ☑ New Station ☑ Quick Mix ☑ D&M1 Radio ☑ D&M2 Radio 			
👁 Exit	(RETURN) Sign out		
When the popup "Yes".	menu appear	s, pr	·ess ⊲ ⊳ to
andora operati	on		

Disassociate this unit from your Pandora account.

	Operation buttons	Function		
CE SET STANDRY ON I CE SET STANDRY ON I CEST STAR SPYR (AID) (TONK) (AIB)		Cursor operation / Auto search (cue, $ abla$)		
A (D) (TONE) (A (B) (23) (BD) (DV(D) (347) (AANE) (A((37))	ENTER (Press and release)	Enter / Pause		
TV CD CDR TV CD CDR TV CD CDR	ENTER (Press and hold)	Stop		
	SEARCH	Page search *		
DESPLAY SLIPP.	RETURN	Return		
	•	Playback		
		Auto search (cue)		
RETURN	II	Pause		
		Stop		
	TV POWER	TV power on/standby (Default : Marantz)		
A HEDAX ADDX RANDOM 5 6 3 CHILVE DINIDOVCE 8 9 100	TV INPUT	Switch TV input (Default : Marantz)		
	* When the me	enu screen is displayed, press		

SEARCH, then press \triangleleft (previous page) or \triangleright (next page).

To cancel, press $\Delta \nabla$ or **SEARCH**.

Playing a network audio

("D&M2 Radio") that you want to listen to, and press **ENTER** or \triangleright . In Pandora, you can search for the track name or artist name using "D&M2" as a keyword. When the search is complete, tracks that have a similar rhythm or sound are streamed. Now Playing Song 🔝 Artist Album MP3 128kbps

Listening to created radio stations at random

Skip

Use $\Delta \nabla$ to select "Quick Mix", then press **ENTER** or \triangleright . Created radio stations are selected at random, and tracks are streamed.

Listening to a created radio station

By specifying your favorite track or artist name, music that has a

Listening to a created radio station

similar rhythm or sound is chosen and streamed.

Press $\Delta \nabla$ and select the radio station

P D&M2 Radio

(F

100%

Pause

(e.g. D&M2 Radio)

Arranging tracks within radio stations

You can sort tracks by operating the Pandora menu screen while a track is plaving.

Press \triangleright while a track is playing. The Pandora menu screen is displayed. P Menu

- k that is being
 - I 짂 (Thumbs s not displayed
- selected this
- Create station • Creates a S played.
 - Bookmarks t
 - You can che For details, s
- Press when I'm tired of plaved.
 - The track will
- Press when **Delete this** being played station

NOTE `

Bookmark

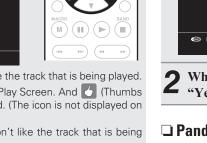
this track

this track

- You can Skip up to 6 Tracks that are being played back within 1 hour.
- You can create up to 100 New Stations (radio stations).

間 で し し し し し し し て に し し の し の し の の し の の の の の の の の の の	ike this track Jon't like this track hy is this track playing? reate station bokmark this track m tired of this track elete this station	
l like this track	 Press when you like the track It will return to the Play Screen up) icon is displayed. (The icor the next track.) 	n. And
l don't like this track	 Press when you don't like the played. 	e track
	• It will return to the Play Screen down) icon is displayed. (The i on the next track.)	
Why is this track playing?	• Displays the reason why Partrack.	ndora
	· Constant · Chattan for the To	1

	VCR SAT CA
Station for the Track or Artist being	
the track currently being played.	NUT SOURCE SEL MUT
eck on a computer or iPhone etc. see the Pandora web page.	USBELAY T.NODE MEMU
you don't like the track that is being	
ill not be played for 1 month. you want to delete the station that is	
d.	



□ Sian out

marantz RC011SR



Select

🍥 Menu

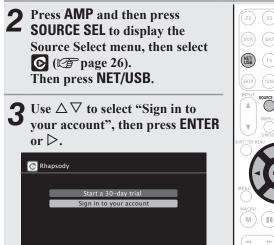
Playing a network audio

Listening to Rhapsody

Prepare for playback.

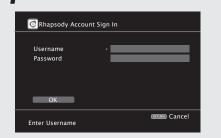
- ① Check the network environment, then turn on this unit's power (Pp page 25 "Connecting to a home network (LAN)"). 2 If settings are required, make the "Network Connecting"
- (127 page 83).

Cance



Input Username and Password.

💿 Enter



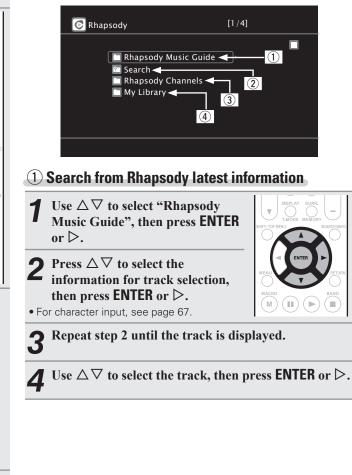
For character input, see page 67.

After inputting the "Username" and "Password", J select "OK", then press ENTER. If the "Username" and "Password" match, the top menu for Rhapsody is displayed.

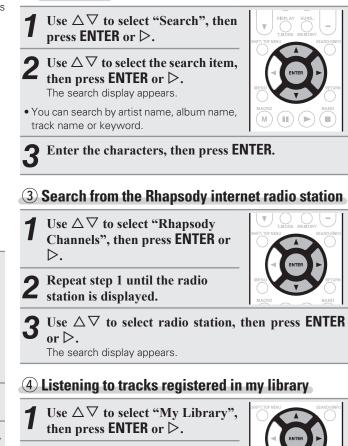
NOTE

- The password should be no longer than 99 characters.
- Press **RETURN** to cancel the input. When "Cancel input?" is displayed, select "Yes", then press ENTER.

Select the search mode



(2) Enter a character search for the track you want to listen to



Repeat step 1 until the track is 5 displayed.



Use $\Delta \nabla$ to select the information or track, then press ENTER or \triangleright .

After selecting, the information is displayed

Simple version

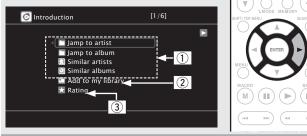
Basic version

Advanced version

Playing a network audio

□ Track menu

Press \triangleright during playback to display the track menu.



(1) Search from the similar music

Use $\Delta \nabla$ to select the search item. then press ENTER or \triangleright .



2 Registering tracks in my library

Use $\Delta \nabla$ to select "Add to my library", then press ENTER or \triangleright . The track is entered in the library.



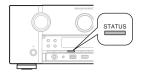
3 Rating function

Use $\Delta \nabla$ to select "Rating", then press ENTER or \triangleright .



Use $\triangleleft \triangleright$ to select the rating, then press ENTER.

- To play back compressed audio with extended bass or treble reproduction, we recommend playback in M-DAX mode (127 page 78). The default setting is "OFF".
- You can specify the duration of the on-screen display to be displayed (default: 30 sec) at menu "NET/USB" (\mathfrak{P} page 87). Press $\Delta \nabla \triangleleft \triangleright$ to return to the original screen.
- Use STATUS to switch between displaying the title name, artist name or album name.



Operation buttons	Function	
PRESET +, -	Preset channel selection	
	Cursor operation / Auto search (cue, $\Delta \nabla$)	
ENTER (Press and release)	Enter / Pause	
ENTER (Press and hold)	Stop	
SEARCH	Page search * 1 / Character search * 2	
RETURN	Return	
•	Playback / Pause	
	Auto search (cue)	
II	Pause	
	Stop	
1 – 8	Preset channel selection	
SHIFT	Preset channel block selection	
TV POWER	TV power on/standby (Default : Marantz)	
TV INPUT	Switch TV input (Default : Marantz)	

Rhapsody operation

ma

- **Repeat playback** (page 73 "Repeat")
- Random playback (r page 73 "Random")
- *1 When the menu screen is displayed, press **SEARCH**, then press \triangleleft (previous page) or \triangleright (next page).
 - To cancel, press $\Delta \nabla$ or **SEARCH** twice.
- *2 When the menu screen is displayed, press **SEARCH** twice, then press $\triangleleft \triangleright$ to select the first letter you want to search mode.
 - If it is not possible to search the list, "unsorted list." is displayed.
 - To cancel, press $\Delta \nabla$ or **SEARCH**.
- If the list is not in alphabetical order, you may not be able to perform a character search.

Selecting a listening mode (Surround mode)

This unit can play input audio signals in multi-channel surround mode or in stereo mode. Select a listening mode suitable for the playback contents (cinema, music, etc.) or according to your liking.

Listening mode

Input audio signal	Playback	Listening mode	
2-channel	Surround	Multi-channel playback (@Ppage 46)	 For 2-channel signal input: Surround-channel signals are created and played with surround playback. For multichannel signal input: The surround signal recorded in source is played as surround playback. (The sound is played according to the settings of the speaker size in "Speaker Config." (127 page 80).) Surround-back-channel or front-height-channel signals that are not recorded in source can be created.
2-channel Channel Multi channel →	Stereo	Stereo playback (ICP page 48)	 If multichannel signals are input, they are mixed down to 2-channel audio and are played. Subwoofer signals are also output.
2-channel	Stereo C Surround C	Direct playback	Sound recorded in source is played as is. • Surround back signals or front height signals are not created. • In this mode, the following items cannot be adjusted. • Tone (127) page 75) • MultEQ [®] XT (127) page 76) • Dynamic EQ [®] (127) page 76) • Dynamic Volume [®] (127) page 77) • M-DAX (127) page 78)
2-channel → Multi channel	Virtual Surround	Dolby Virtual Speaker/ Dolby Headphone playback (1277 page 48)	Virtual Surround processing is performed on 2-channel or multichannel input signals that are played back.

.

- Some listening modes cannot be selected, depending on the audio format or number of channels of the input signal. For details, see "Types of input signals, and corresponding surround modes" (Figrage 108).
- Adjust the sound field effect with the menu "Surround Parameter" (2 page 75) to enjoy your favorite sound mode.
- You can select the listening mode by pressing SURROUND MODE on the main unit. Press **SURROUND MODE** and the modes are switched as shown below.

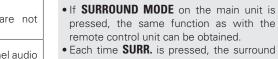


→ AUTO*(STEREO) → STEREO → DOLBY PLIIz → DOLBY PLII(x) Movie → DOLBY PLII(x) Music → DOLBY PLII(x) Game -

- NEURAL MULTI CH STEREO DTS NEO:6 music DTS NEO:6 cinema -

* For "AUTO", press AUTO on the amplifier or remote control unit.

DOI BY VS



45).

mode is switched. Which decoder can be selected depends on the settings of "Amp Assign" (2 page 80) or "Speaker Config." (12 page 80).

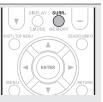
Multi-channel playback

Playing the source (P page 27

Press SURR. to select the surround decoder to play back

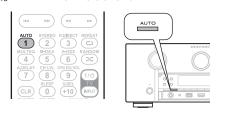
multichannel sound.

□ Surround playback of 2-channel sources





- **DOLBY PLIIz** *1 This mode is for 7.1-channel surround playback using the front height speakers.
 - "PLIIz Height" is displayed.
- **DOLBY PLIIx** *2 This mode is for 7.1-channel or 6.1-channel surround playback using the surround back speakers.
 - "PLIIx Movie", "PLIIx Music" or "PLIIx Game" is displayed.
- **DOLBY PL**II This mode is for 5.1-channel surround plavback. Select this mode if no front height speaker nor surround back speaker is to be used.
 - "PLII Movie", "PLII Music", "PLII Game" is displayed.
- DTS NEO:6 This mode is for 7.1-channel, 6.1-channel or 5.1-channel surround playback using the surround back speakers.
 - "DTS NEO:6 Cinema" or "DTS NEO:6 Music" is displayed.
- **MULTI CH** This mode is for enjoying stereo sound from all **STEREO** speakers.



Multi-channel playback

Simple version

Basic version

Advanced version

- as "DOLBY D +".
- from the surround back speakers.
- from front height speakers.

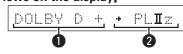
- Shows a decoder to be used. parameters" (B page 106).
- *2 This is displayed when the input signal is "DTS-ES Discrete 6.1". *****3 This is displayed when the input signal is "DTS 96/24". *4 This surround mode is displayed when

*1 This is displayed when the input signal is

"Audvssev DSX" (Pr page 77) is set to "ON-Height-" or "ON-Wide-".

[Views on the display]

"DTS-ES Matrix 6.1".



- A DOLBY DIGITAL Plus decoder is displayed
- **2** Shows a decoder that creates sound output



For an input signal that can be reproduced in each surround mode, see "Surround modes and

- □ Surround playback of multi-channel sources (Dolby Digital, DTS etc.) Playing the source (P page 27 – SURR. Press SURR. to select the surround decoder to play back multichannel sound. SURROUND • If SURROUND MODE on the main unit is pressed, the same function as remote control unit can be obtain
- Select the surround mode while the display on the screen (the currently playing surround right).
- Which decoder can be selected depends on the input signal, the settings of "Amp Assign" (2 page 80) or "Speaker Config." (CP page 80).

NEURAL *3 This mode is for 7.1-channel, 6.1-channel or	Displaying the cu	rrently playing surround m	ode
5.1-channel surround playback using the surround	Input signal	Surround mode	Display
back speakers."NEURAL" is displayed.	DOLBY DIGITAL (2ch)	NEURAL	NEURAL
*1 This can be selected when the "Amp Assign" (P page 80)		DOLBY DIGITAL	DOLBY DIGITAL
setting in the menu is set to "Normal" is set to "A".		DOLBY DIGITAL EX	DOLBY DIGITAL EX
*2 This can be selected when "Amp Assign" is set to "Normal" or		DOLBY DIGITAL + PLIIx Movie	DOLBY D + PLIX MV
"Speaker Config." – "S.Back" is not set to "None".		DOLBY DIGITAL + PLIIx Music	DOLBY D + PLIX MS
*3 This mode supports analog 2-channel audio, and linear PCM 2		DOLBY DIGITAL + PLIIz	DOLBY D + PLIZ
channel (44.1 kHz, 48 kHz) audio.		DOLBY DIGITAL Plus	DOLBY DIGITAL +
		DOLBY DIGITAL Plus + EX	DOLBY D + + EX
[Views on the display] Image: Imag	DOLBY DIGITAL Plus	DOLBY DIGITAL Plus + PLIIx Movie	DOLBY D + PLIX MV
PLI Movie, A-DSX, used. 2 Shows Audyssey		DOLBY DIGITAL Plus + PLIIx Music	DOLBY D + PLIX MS
DSX™ processing.		DOLBY DIGITAL Plus + PLIIz	DOLBY D + + PLIIZ
		DOLBY TrueHD	DOLBY TrueHD
Surround playback of multi-channel sources		DOLBY TrueHD + EX	DOLBY HD +EX
	DOLBY TrueHD	DOLBY TrueHD + PLIIx Movie	DOLBY HD +PLIX MV
(Dolby Digital, DTS etc.)		DOLBY TrueHD + PLIIx Music	DOLBY HD +PLIX MS
1 Playing the source (☞ page 27 -		DOLBY TrueHD + PLIIz	DOLBY HD +PLIZ
7 Haying the source (Leg page 27 –		DTS SURROUND	DTS SURROUND
- 4J).	DTS (5.1ch) / DTS-ES Discrete 6.1 / DTS-ES Matrix 6.1 /	DTS + PLIIx Movie	DTS + PLIX MV
2 Press SURR. to select the surround decoder to play back		DTS + PLIIx Music	DTS + PLIX MS
		DTS + PLIIz HEIGHT	DTS + PLIIZ
multichannel sound.		DTS + NEO:6	DTS + NEO:6
	DTS 96/24	DTS ES MTRX6.1*1	DTS ES MTRX6.1
• If SURROUND MODE on the main unit is		DTS ES DSCRT6.1*2	DTS ES DSCRT6.1
pressed, the same function as with the		DTS 96/24*3	DTS 96/24
remote control unit can be obtained.		DTS-HD HI RES	DTS-HD HI RES
Select the surround mode while viewing		DTS-HD MSTR	DTS-HD MSTR
the display on the screen (127 "Displaying		DTS-HD + NEO:6	DTS-HD + NEO:6
the currently playing surround mode" at	DTS-HD	DTS-HD + PLIIx MOVIE	DTS-HD + PLIX MV
right).		DTS-HD + PLIIx MUSIC	DTS-HD + PLIX MS
• Which decoder can be selected depends on the input signal,		DTS-HD + PLIIz HEIGHT	DTS-HD + PLIZ
the settings of "Amp Assign" (127 page 80) or "Speaker Config."		DTS Express	DTS Express
(😰 page 80).		MULTI CH IN	MULTI CH IN
		MULTI IN + Dolby EX	MULTI +Dolby EX
	PCM (multi ch)	MULTI IN + PLIIx MOVIE	MULTI IN +PLIX MU
		MULTI IN + PLIIx MUSIC	MULTI IN +PLIX MS
		MULTI IN + PLIIZ HEIGHT	MULTI IN +PLIIZ
		MULTI CH IN 7.1	MULTI CH IN 7.1
	All Input signal	Dolby VIRTUAL SPEAKER	DOLBY VS
	All signals indicated above	Audyssey DSX*4	Audyssey DSX

D'ante de la compañía de la compañía



with the	
ed.	
e viewing	
Displaying	
mode" at	0 <u>1</u>

Stereo playback

This is the mode for playing in stereo. The tone can be adjusted.

- Sound is output from the front left and right speakers and subwoofer.
- If multichannel signals are input, they are mixed down to 2-channel audio and are played.

Playing the source (P page 27 – 45). Press STEREO.

Stereo playback begins.



• MultEQ[®] XT (gr page 76)

(
)

(►) (■)

Direct playback

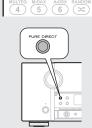
Sound recorded in source is played as is.

- Surround back signals or front height signals are not created.
- In this mode, the following items cannot be adjusted.
- Tone (🖙 page 75)
- Dynamic EQ[®] (Corpage 76) Dynamic Volume[®] (Corpage 77)
- M-DAX (12 page 78)

Playing the source (P page 27 – 45).

Press P.DIRECT to select the direct mode.

• If **PURE DIRECT** on the main unit is pressed, the same function as with the remote control unit can be obtained.



P.DIRECT

- Each time P.DIRECT is pressed, the direct mode is switched.
- **Source Direct** This mode plays back tracks at high sound quality without passing through the sound quality adjustment circuits.
- Pure Direct * This mode plays back tracks at the closest to the original sound quality.
 - Auto This mode detects the type of input digital signal, and automatically selects the corresponding mode for playback.
- * The following circuits that affect sound quality are set to off.
- Main unit's display circuit (The display is turned off.)
- Analog video input/output circuit

- To cancel, press P.DIRECT again.
- Video signals are only output when HDMI signals are played in the PURE DIRECT mode.

NOTE

45).

When in the PURE DIRECT mode, the menu screen is not displayed.

Dolby Virtual Speaker/Dolby Headphone playback

Dolby Virtual Speaker mode

This delivers a full surround sound experience from two stereo speakers.

- Sound is output from the front left and right speakers.
- If multichannel signals are input, they are mixed down to 2-channel audio.



2 Press SURR. to select "DOLBY VS".



Dolby Headphone mode

You can enjoy listening to multi-channel surround sound through headphones using this mode.

Press SURR. to select the Dolby Headphone mode.



• If SURROUND MODE on the main unit is pressed, the same function as with the remote control unit can be obtained.



• Each time **SURR.** is pressed, the Dolby Headphone mode is switched.

DOLBY HEADPHONE	This is the surround mode for listening with headphones. The surround sound field is played through regular headphones.		
DOLBY HP Bypass	The sound is played in the normal stereo mode rather than the surround mode when listening with headphones.		
DOLBY HP PLII Movie	This mode is best suited for movie sources.		
DOLBY HP	This mode is best suited for music sources.		



PLII Music

- The surround mode returns to the previous setting as soon as the plug is removed from the jack.
- You can select Dolby HP PLII Movie or Dolby HP PLII Music when a 2-channel source is played back.

Advanced version

Here, we explain functions and operations that let you make better use of this unit.

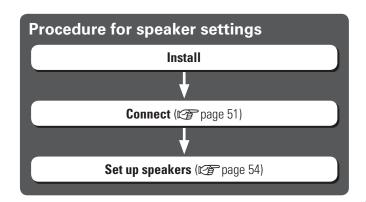
- Speaker installation/connection (Advanced connection) 2 page 50
- Playback (Advanced operation) 2 page 57
- Playback in ZONE2/ZONE3 (Separate room) 2 page 63
- How to make detailed settings page 65
- Operating the connected devices by remote control unit r page 92

Speaker installation/connection (Advanced connection)

This section provides the installation, connection, and setup methods of speaker systems other than the 7.1-channel system (with surround back speakers).

For the speaker installation, connection, and setup methods of the 7.1-channel system with surround back speakers, see "Simple version (Simple setup guide)" (1277 page 4).

Use Audyssey[®] Auto Setup function of this unit to automatically detect the number of connected speakers and perform optimal settings for the speakers to be used.



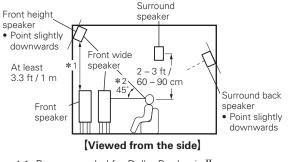
Install

This unit is compatible with Audyssey DSX™ (☞ page 111) and Dolby Pro Logic IIz (☞ page 112), which offers an even wider and deeper surround sensation.

When using Audyssey DSX, install front wide speakers or front height speakers.

When using Dolby Pro Logic $\ensuremath{I\!I} z$, install front height speakers.

Install the surround back speakers in a position 2 to 3 ft (60 to 90 cm) higher than ear level.

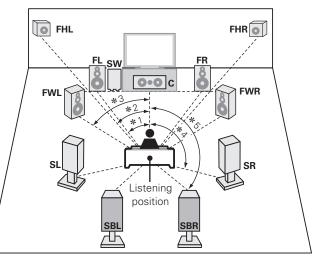


*1 Recommended for Dolby Pro Logic IIz*2 Recommended for Audyssey DSX

NOTE

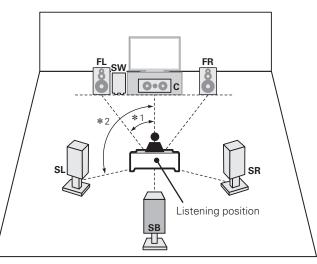
Sound is not output simultaneously from the surround back speakers, front height speakers, and front wide speakers. You can switch between speakers by changing the settings in surround mode or Audyssey DSX.

When 7.1ch (Surround back / Front height / Front wide speaker) installed



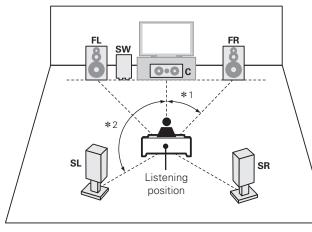
*****1 22° - 30° *****2 22° - 45° *****3 55° - 60° *****4 90° - 110° *****5 135° - 150°

When 6.1ch (Surround back speaker) installed



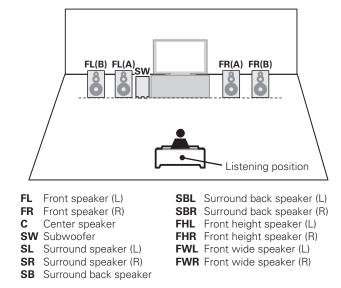
*****1 22° – 30° *****2 90° – 110°

When 5.1ch installed



*****1 22° – 30° *****2 120°

When Front A/B speakers installed



Connect

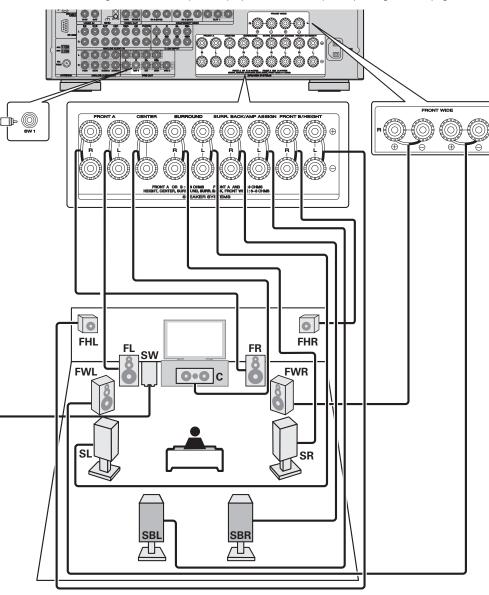
Install

• For the method of connecting the 7.1-channel system with surround back speakers, see page 5.

• For the method of connecting the TV, see page 6.

7.1-channel (Surround back / Front height / Front wide speaker) connection

For 7.1-channel (Surround back / Front height / Front wide speaker) playback, set "Set up "Amp Assign"" (1) page 54) to "Normal".

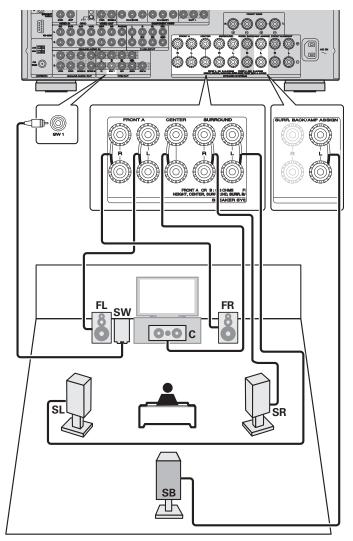


Connect

6.1-channel (Surround back speaker) connection

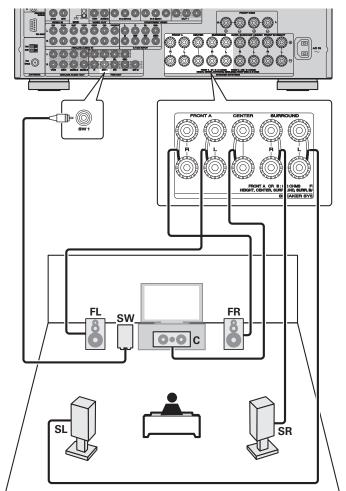
If using only one surround back speaker (with a 6.1-channel connection), connect to the "L" side of the SURR. BACK/AMP ASSIGN terminal.

For speaker settings in this case, see "When 6.1ch (Surround back speaker) installed" (127 page 50). For 6.1-channel (Surround back speaker) playback, set "Set up "Amp Assign"" (127 page 54) to "Normal".



5.1-channel connection

For 5.1-channel playback, set "Set up "Amp Assign"" (P page 54) to "Normal".

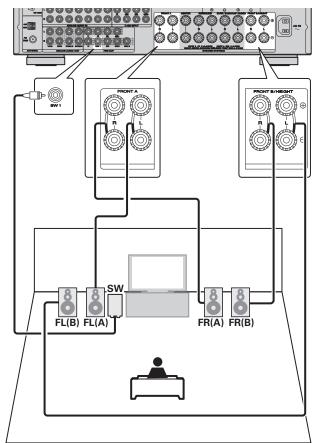


Connect

Front A/B connection

The second set of front speakers can be connected to the FRONT B/ $\ensuremath{\mathsf{HEIGHT}}$ terminals.

In this case, perform the settings using the **SPKR A/B** button on the remote control or main unit (\square page 27 "Set the front speakers to be used").



For surround playback of a multichannel source, if you connect the

center speaker, surround speakers, surround back speakers (or front

specifications or playback source such as front speakers (A) for

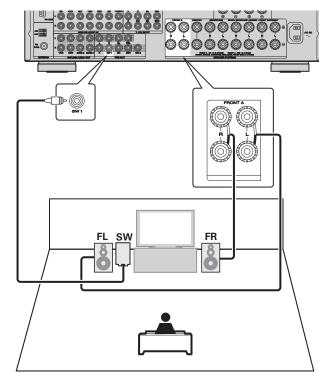
multichannel playback and front speakers (B) for 2-channel playback.

wide speakers) and subwoofers, 7.1-channel playback is available. Front speakers can be used separately, depending on the speaker's

NOTE

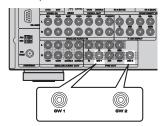
When using the A front speakers and B front speakers simultaneously, make sure you check the impedance of the connected speakers (127 page 5).

2.1-channel connection



□ For connecting two subwoofers

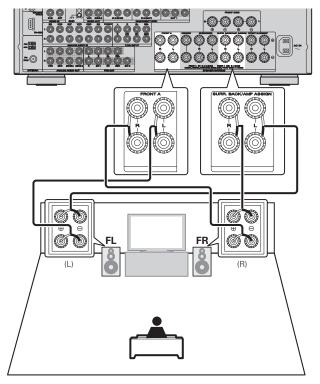
Two subwoofers can be connected to this unit. The same signal is output from each subwoofer terminal.



Bi-Amp connection

A bi-amp connection is to connect separate amplifiers to the tweeter terminals and woofer terminals of speakers compatible with the bi-amp function. This prevents the back electromotive force (returned force without output) of the woofer sent to the tweeter, which affects the sound quality of the tweeter, and you can enjoy playback with higher-quality sound.

In this case, set "Set up "Amp Assign"" (12) page 54) to "SPKR-C".



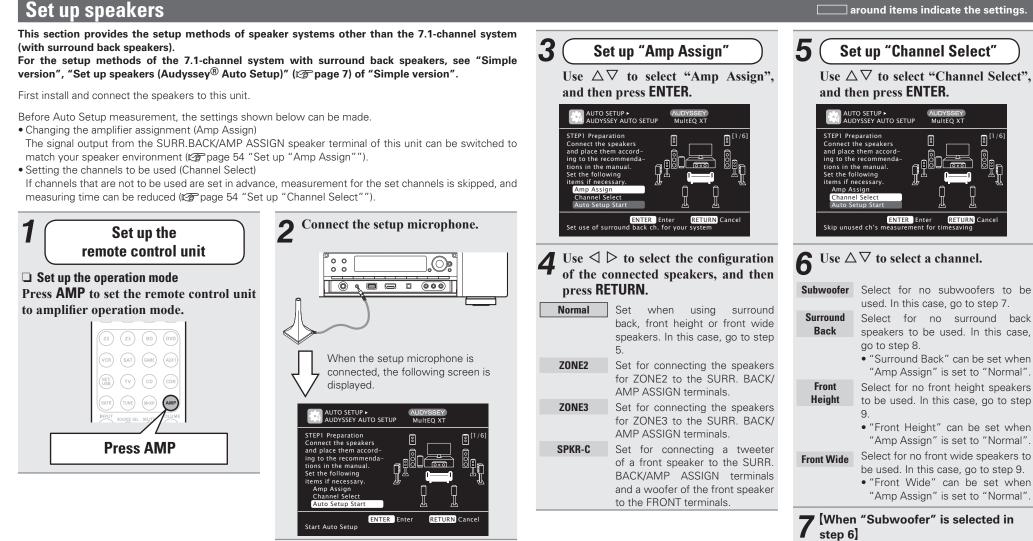
When making a bi-amp connection, the same signal is output from the FRONT terminal and the SURR.BACK/AMP ASSIGN terminal.

For surround playback of a multichannel source, if you connect the center speaker, surround speakers and subwoofers, 5.1-channel playback is available.

NOTE

• Use speakers compatible with bi-amp connections.

• When making bi-amp connections, be sure to remove the shortcircuiting plate or wire between the speaker's woofer and tweeter terminals.



- Use $\triangleleft \triangleright$ to select the item.
- Measure Set for measuring a subwoofer.
 - Skip Set for no measuring of a subwoofer.





RETURN

Set up speakers

[When "Surround Back" is selected 0 O in step 6] Use $\triangleleft \triangleright$ to select the item.

Measure Set for measuring two surround back (2spkrs) speakers.

Measure Set for measuring a surround back (1spkr) speaker.

Set for no measuring of a surround Skip back speaker.

[When "Front Height" or "Front 9 Wide" is selected in step 6] Use $\triangleleft \triangleright$ to select the item.

Measure Set to measure the front height speakers or front wide speakers.

Skip Set when you do not want to measure the front height speakers or front wide speakers.

▲ Press RETURN. V Proceed to page 9 STEP1 Preparation step 5.

NOTE

After performing Audyssey® Auto Setup, do not change the speaker connections or subwoofer volume. In event of a change, perform Audyssey Auto Setup again.

Connections (Advanced connection)

REMOTE CONTROL jacks

When you use this unit connected to Marantz audio components, it sends operation signals to operate each component.

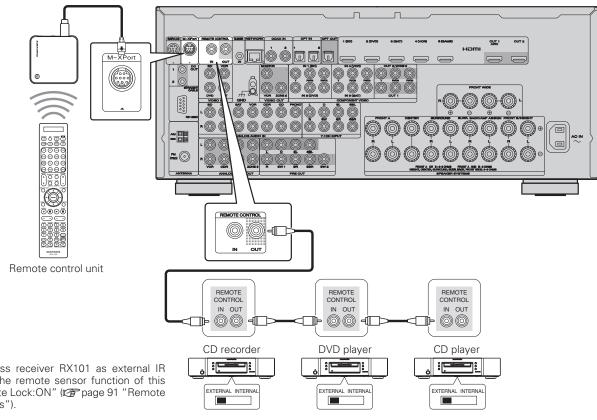
Connection

Use the remote connection cable (supplied with a Marantz audio component you want to connect) to connect the REMOTE CONTROL OUT terminal of this unit to the REMOTE CONTROL IN terminal of the component to be connected.

Setting

- Set the remote control switch located on the rear panel of the connected audio component to "EXTERNAL" or "EXT." to use this feature.
- This setting will disable remote sensor reception of the connected audio component.
- To operate the connected audio component, point the remote control at the remote sensor of this unit.

Wireless receiver RX101 (12 page 23)





To use wireless receiver RX101 as external IR receiver, set the remote sensor function of this unit to "Remote Lock:ON" (1) page 91 "Remote control settings").

Simple version



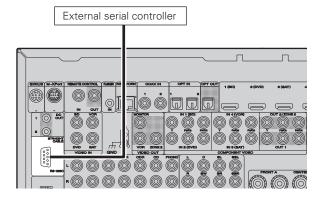


RETURN

Return to previous menu

RS-232C connector

By connecting an external serial controller, you can control all sorts of household electrical devices (including lights, electric curtains, and air conditioning units) in addition to your audio and video devices.



Perform the operation below beforehand.

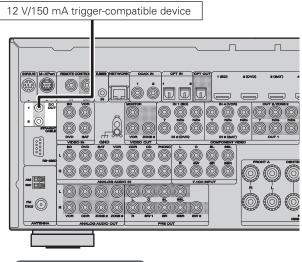
- 1 Turn on the power of this unit.
- 2 Turn off the power of this unit from the external controller.

(3) Check that the unit is in the standby mode.

DC OUT (TRIGGER OUT) jacks

When a device with DC IN jack is connected, the connected device's power on/standby can be controlled through linked operation to this unit.

The DC OUT jack outputs a maximum 12 V/150 mA electrical signal.



in Set as Necessary

Set to change the conditions for linked operation via the DC OUT 1 or 2 jack.

"Trigger Out 1" or "Trigger Out 2" (CP page 87)

NOTE

If the permissible trigger input level for the connected device is larger than 12V/150 mA, or has shorted, the DC OUT jack cannot be used. In this case, turn off the power to the unit, and disconnect it.

Playback (Advanced operation)

Playback (Basic operation) (CP page 26)

Selecting a listening mode (Surround mode) (page 46)

- □ HDMI control function (☞ page 57)
- □ Sleep timer function (☞ page 58)
- **Adjusting the volume of the speakers** (**P** page 58)
- Operating a wireless LAN-compatible mobile terminal to play music and still pictures (127 page 59)
- ❑ Web control function (☞ page 60)
- □ Panel lock function (☞ page 62)
- □ Various memory functions (☞ page 62)

Convenient functions

HDMI control function

When you make an HDMI connection with a TV or player compatible with this unit and HDMI control functions, you can perform the following operations by setting the HDMI control function of each device.

- **This unit power off can be linked to the TV power off** step.
- You can switch audio output devices with a TV operation.

When you set "Output audio from amp" in the TV audio output setup operation, you can switch the amp power on.

- You can adjust this unit volume in the TV volume adjustment operation.
- You can switch this unit input sources through linkage to TV input switching.
- When playing the player, this unit input source switches to the source for that player.

NOTE

- The HDMI control function only supports the HDMI OUT 1 connector. To use the HDMI control function, connect the television to the HDMI OUT 1 connector.
- When "HDMI Control" is set to "ON", it consumes more standby power.
- The HDMI control function controls operations of a TV that is compatible with the HDMI control function. Make sure that the TV and HDMI are connected when you perform HDMI control.
- Some functions may not operate depending on the connected TV or player. Check the user guide of each device for details beforehand.
- When "Power Off Control" on the menu is set to "OFF" (127 page 83), this unit is not set to standby even if the connected device is in the standby mode.
- When connection changes are implemented, such as adding connections to HDMI devices, linked operations may be initialized. In this case, you will need to reconfigure the settings.
- When "HDMI Control" is set to "ON", it is not possible to assign an HDMI connector to "TV" at "Input Assign" (@ page 71).

- **1** Set the HDMI output connector corresponding with the HDMI control function.
 - Set "HDMI Control" (😰 page 82) to "ON".
- **2** Turn the power on for all the equipment connected by HDMI cable.

3 Set the HDMI control function for all equipment connected by HDMI cable.

• Please consult the operating instructions for the connected equipment to check the settings.

• Carry out steps 2 and 3 should any of the equipment be unplugged.

- **4** Switch the television input to the HDMI input connected to this unit.
- **5** Switch this unit input to the HDMI input source and check if the picture from the player is ok.
- **6** When you turn the TV's power to standby, check that the power of this unit also goes to standby.

.

If the HDMI control function does not operate properly, check the following points.

- Is the TV or player compatible with the HDMI control function?
- Is "HDMI Control" (P page 82) set to "ON"?
- Is "Power Off Control" (P page 83) set to "All" or "Video"?
- Are the HDMI control function settings of all equipment correct?
- Is the television connected to the HDMI OUT 1 connector?

NOTE

Should any of the operations below be performed, the interlocking function may be reset, in which case, repeat steps 2 and 3.

- "Input Assign" "HDMI" (B page 71) setting has changed.
- "Monitor Out" (1277 page 82) setting is changed.
- There is a change to the connection between the equipment and the HDMI, or an increase in equipment.

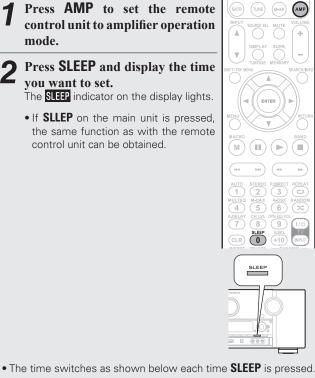
Advanced version

Convenient functions

Sleep timer function

The power automatically goes into standby once the set time has elapsed.

This is convenient for playing sources while going to sleep.



→ OFF → 10 min → 20 → 30 → 40 → 50 →

To cancel the sleep timer

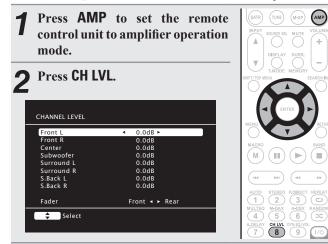
Press SLEEP to set "OFF". The **SLEEP** indicator on the display turns off.

- The sleep timer setting is canceled if this unit's power is set to standby or turned off.
- When power to the main zone is turned off with the sleep timer, power in ZONE2 and ZONE3 are also turned off.

Adjusting the volume of the speakers

You can adjust the channel level either according to the playback sources or to suit your taste, as described below.

Adjusting the volume of the different speakers



3 Use $\Delta \nabla$ to select the speaker.

The speaker that can be set switches each time one of the buttons is pressed.

Use $\triangleleft \triangleright$ to adjust the volume.

• In the case of a subwoofer, pressing \triangleleft when it is at "-12 dB" will change the setting to "OFF".

AMP

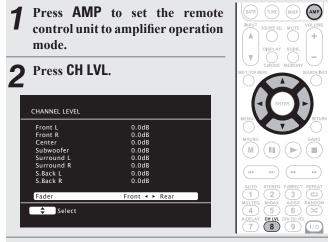
.

TV

- When a headphone jack is inserted, the headphone channel level can be adjusted.
- When the input mode setting is "7.1CH IN", you can adjust the channel level while the 7.1CH INPUT connector is being used. In that case, "7.1CH IN Level" appears at the top of the screen.

□ Adjusting the volume of groups of speakers (Fader function)

This function lets you adjust (fade) the sound all at once from the front (front speaker / front height speaker / front wide speaker / center speaker) or rear (surround speaker / surround back speaker).



Press ∇ to select "Fader", then select the item to be adjusting using $\triangleleft \triangleright$.

Use $\triangleleft \triangleright$ to adjust the volume of the speakers. $(\triangleleft : front, \triangleright : rear)$

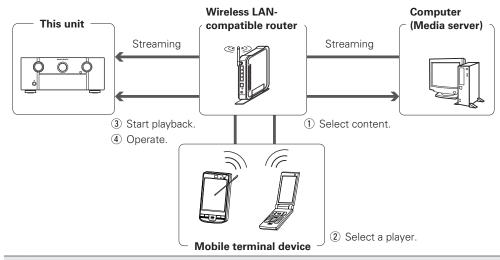
P

- The fader function does not affect the subwoofer.
- The fader can be adjusted until the volume of the speaker is adjusted to the lowest value of -12 dB.

Operating a wireless LAN-compatible mobile terminal to play music and still pictures

- Perform this procedure using a wireless LAN-compatible mobile terminal conforming to the DLNA (Digital Living Network Alliance) standard.
- This function allows you to play content located on a computer (media server) or mobile terminal device connected on a network by operating a mobile terminal device on the same network.
- There are two types of operations on the mobile terminal device.

□ Playing content on a computer (Media server)



- **f** From the mobile terminal device, browse the media server on the same network
- **and choose the content you want to play.**
- **2** From the mobile terminal device, select this unit from among the products on the network.

Playback of the content selected in step 1 begins.

- When selecting this unit from the mobile terminal device, the name of this unit is displayed at "Friendly Name" (Priendly Name Edit").
- The following operations are possible from the mobile terminal device:
- File operations (play, stop, pause, track search)
- Volume adjustment

This unit 3 Start playback. 4 Operate. Wireless LANcompatible router 1 Diagonal device 1 Diagonal de

Select content.
 Select a player.

Select the content you want to play from among the mobile terminal devices.

2 From the mobile terminal device, select this unit from among the products on the network.

Playback of the content selected in step 1 begins.

□ Playing contents on a mobile terminal device

- When selecting this unit from the mobile terminal device, the name of this unit is displayed at "Friendly Name" (P page 84 "Friendly Name Edit").
- The following operations are possible from the mobile terminal device:
- File operations (play, stop, pause, track search)

Volume adjustment

• 👸 is displayed on the menu screen while the mobile terminal device is being operated.

- For the various settings and operating procedures, see the operating instructions of the mobile terminal devices being used.
- When selecting this unit from the mobile terminal device, the name of this unit is displayed at "Friendly Name". "Friendly Name" can be edited at "Friendly Name Edit" (1277) page 84) as desired so that it is easily distinguishable from other devices.
- When playback is started from the mobile terminal device, this unit's input source automatically switches to "NET/USB". Also, when the "Network Standby" setting (Page 84) is set to "ON", the power automatically turns on.

NOTE

When operations related to browsing or playback (play, stop, pause, track search) are performed on this unit while operating the mobile terminal device, the connection to the network is disconnected.

Simple version

Basic version

59

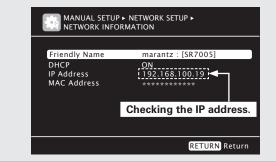
Convenient functions

Web control function

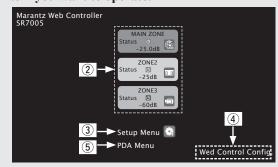
You can operate this unit using a browser.

1 Switch the "Network Standby" setting to "ON". (© page 84).

2 Check the IP address of this unit with "Network Information" (P page 85).



4 When the top menu is displayed, click on the menu item you want to operate.

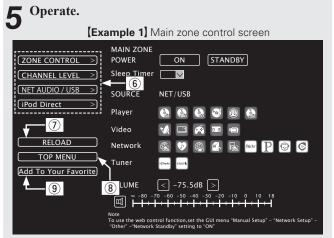


② Click when you operate each zone. ((37 [Example 1]))

- ③ Click when you operate the setup menu. (CF [Example 2])
- ④ Click to change the Web control screen setting.

(Cr [Example 3])

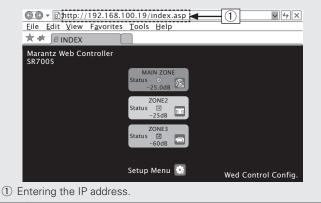
(5) Click when you operate a small screen such as a PDA screen, etc. ((2) [Example 4])



- (6) Click to perform individual operations.
 Changes to individual operation screens. (Complete Complete Complete
- ⑦ Click when you update to the latest information. Normally, there is a change to the latest information each time you operate. When operating from the main unit, click this or else the screen will not be updated.
- ⑧ Click to return to the top menu. Displayed when setting "Top Menu Link Setup" to "ON" in [Example 3]
- (9) Click to add a setting to "Favorites" in your browser. We recommend registering the setting screens for the different zones in the browser's favorites so as not to accidentally perform menu operations for zones you do not intend to operate.

3 Enter the IP address of this unit in browser's address box.

For example, if the IP address of this unit is "192.168.100.19", enter "http://192.168.100.19".



Convenient functions

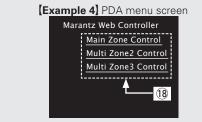
[Example 2] Setup menu screen SOURCE SELECT ReLoad 10 Source DVD V 12 SETUP MENU (13) nput Assign SOURCE SELECT UDIO/VIDEO ADJUST Video Select SOURCE IANUAL SETUP NFORMATION Video Convert ON OFF ● Analog ● Analog & HDMI ● OFF i/p Scaler Auto ● 480p/576p ● 1080i ● 720p ● 1080p ● 1080p:24Hz Auto ● 480p/576p ● 1080i ● 720p ● 1080p ● 1080p:24Hz Auto ● 480p/576p ● 1080i ● 720p ● 1080p ● 1080p:24Hz Resolution(analog) Resolution(HDMI) Progressive Mode ● AUTO ● VIDEO1 ● VIDEO2 Aspect Full Normal Input Mode Input Mode Auto 🔽 Decode Mode Auto Rename DVD Set Def (14) Source Level(analog) 🗧 🚺 🛛 🖉 15

- ① Click the menu item from which you want to make settings. The display on the right becomes the individual setting screens.
- Click "SAVE" when you want to save settings, and click "LOAD" when you want to call settings.
- 0 Click "v" and select from the displayed items.
- (13) Click an item to make a setting.
- After entering characters, click "Set" to set, or click "Def" to return to default setting.
- Ib Enter figures or click "<" or ">" to make the setting, and then click "Set".

[Example 3] Web configuration screen



- Click "ON" when performing Top Menu Link Setup.
 When set up, return to the top menu from each operation screen.
 (Default setting : "OFF")
- 1 Click this item to return to the top menu.



(18) Select this item to operate each zone.

NOTE

You cannot change setup menu operations and zone name on the PDA menu screen.

[Example 5] Net Audio operating screen

	NET AUDIO/USB(MAIN ZONE)	
>		
>	Now Playing	
>		
	/VIRGINELLE	
>	128kbps	
	2	22)
		₩.
	PRESET OFF PRESET MEMORY AI V MEMORY CHARACTER SEARCH	\sim
23	REPEAT	
(24)		26)
25	$ SdB \ge \square + + + + + + + + + + + + + + + + + +$	

- (19) Click the menu items. from which you want to play.
- 2 Click "v" to select the preset channel you want to play.
- ② When registering presets, click "v" to select the channel you want to register, and then click "MEMORY".
- When searching using an acronym, click "v" and select from the displayed characters.
- 23 Click this item to play back repeatedly.
- 29 Click this item when selecting menu items.
- 25 Click to stop playback.
- 26 Click this item to play back randomly.



• When accessed from the iPod Touch browser, an optimized operation screen is displayed.

Basic version

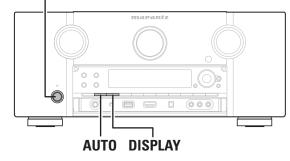
Convenient functions

Panel lock function

To prevent accidental operation of this unit, you can disable operation of the buttons on the front panel.

Disabling all key button operations

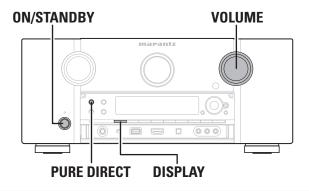
ON/STANDBY



Press **ON/STANDBY** while you press and hold **AUTO** and **DISPLAY** with the unit in standby mode.

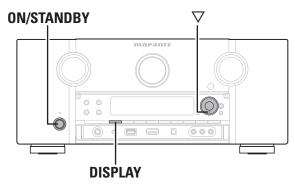
"Panel Lock:ON" appears on the display and all button operations except **ON/STANDBY** are disabled.

Disabling all button operations except VOLUME



Press ON/STANDBY while you press and hold PURE DIRECT and DISPLAY with the unit in standby mode. "Panel Lock:ON" appears on the display and all button operations except ON/STANDBY and VOLUME are disabled.

Canceling the Panel lock function



Press ON/STANDBY while you press and hold ∇ and DISPLAY with the unit in standby mode. The Panel lock function is canceled.

ø

Even when the Panel lock function is set, you can operate the unit using the remote control unit.

Various memory functions

D Personal memory plus function

This function sets the settings (input mode, surround mode, HDMI output mode, MultEQ[®] XT, Dynamic EQ[®], Dynamic Volume[®], audio delay etc.) last selected for the individual input sources.

6

The surround parameters, tone settings and the volumes of the different speakers are stored for the individual surround modes.

□ Last function memory

This function stores the settings which were made before going into the standby mode.

When the power is turned back on, the settings are restored.

Playback in ZONE2/ZONE3 (Separate room)

- You can operate this unit so as to enjoy audio in a room (ZONE2, ZONE3) other than the MAIN ZONE (room where the unit is located).
- You can simultaneously play back the same source in both the MAIN ZONE, ZONE2 and ZONE3. You can also play back separate sources in the MAIN ZONE, ZONE2 and ZONE3.

Audio output

There are two methods to do this, as described below. Choose one of the methods.

- 1 Zone playback by speaker output
- ② Zone playback by audio output (PRE OUT) Use an external amplifier.

\bigcirc **D** Zone playback by speaker output

The ZONE2 and ZONE3 audio signals are output from this unit's SURR.BACK/AMP ASSIGN speaker terminals using the amplifier assignment function.

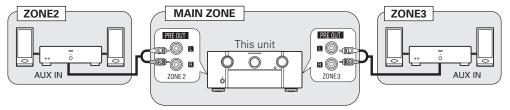
Connecting and setting the speakers

	"Amp Assign" setting (Page 80) and audio signals output	Connecting the speakers
ZONE2	ZONE2 Output signal : Stereo (L / R)	
ZONE3	ZONE3 Output signal : Stereo (L / R)	

(2) Zone playback by audio output (PRE OUT)

□ Audio connections (ZONE2, ZONE3)

The audio signals of this unit's ZONE2 and ZONE3 audio output terminals are output to the ZONE2 and ZONE3 amplifiers and played on these amplifiers.



We recommend using high quality pin-plug cables for audio connections in order to prevent noise.

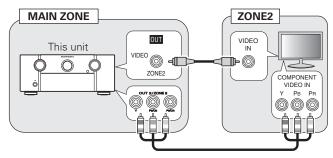
NOTE

- When the input source to which the digital input connectors (OPTICAL/COAXIAL) are assigned is selected in ZONE2 or ZONE3, playback is only possible if the digital signal being input is in PCM (2-channel) format.
- It is not possible to play the digital audio signals input from the HDMI terminals in ZONE2 and ZONE3. Use analog connections for ZONE2 or ZONE3 playback.
- When certain digital signals are being input, noise may be output from the ZONE2 and ZONE3 audio output connectors.
- The menu screen is not output.

Video output

Video Connection

The video signals of this unit's ZONE2 video output terminal are played by the ZONE2 TV.



NOTE

- It is not possible to output video signals input to the HDMI terminals to ZONE2.
- When using component output terminal 2 for ZONE2 video signal output, set "Manual Setup" – "Option Setup" – "Component2 Output" (27 page 87) in the menu to "ZONE2".
- The menu screen is not output.

Playback

Press **Z2** or **Z3** to switch the remote control operating mode.

The remote control unit switches to the operating mode for ZONE2 or ZONE3.

2 Press **ON** to turn on the ZONE2 or ZONE3 power.

The **Z2** or **Z3** indicator on the display lights.

• When **STANDBY** is pressed, ZONE2 or ZONE3 turns off.

• Power in ZONE2 or ZONE3 can be turned on or off by pressing **SOURCE ON/OFF** on the main unit.

3 Press INPUT **AV**. The audio signal of the

- The audio signal of the selected source is output to ZONE2 or ZONE3.
- Turn **INPUT SELECTOR** after pressing **ZONE SELECT** on the main unit to select an input source.

ZONE SELECT

♥

SOURCE SET STANDBY ON

HDMI A/D TONE A/B

Z2 Z3 BD DVD

VCR SAT GAME AUX1

SATR (TUNE) (M-XP) (AMP)

Adjusting the volume

Use **VOLUME** to adjust the volume.

[Adjustable range] 0 – <u>41</u> – 99

(When the "Volume Display" (12 page 86) setting is "Absolute")

• At time of purchase, "Volume Limit" (1277 page 85) is set to "-10dB (71)".

Turn **VOLUME** after pressing **ZONE SELECT** on the main unit to adjust the sound volume.

Turning off the sound temporarily

Press MUTE.

The sound is reduced to the level set at "Mute Level" (12) page 86) in the menu.

- To cancel, either adjust the volume or press **MUTE** again.
- The setting is canceled when the zone's power is turned off.

You can adjust the tone and volume for ZONE2 and ZONE3 in "Zone Setup" (1277) page 85) in the menu.

ø

When power for both MAIN ZONE and ZONE2 is set to ON, power of the MAIN ZONE only can be turned off. Select "AMP" in step 1 then press **STANDBY**.

How to make detailed settings

Menu map	Setting items	Detailed items	Description	Page
	1. Audio/Video Adjust	Audio Adjust	Adjuts various audio parameters.	75
For menu operation, connect a TV to this unit and display the menu on the TV screen. For menu operations, see the following page.	AUDIO/VIDEO ADJUST	Picture Adjust	Adjusts the picture quality.	79
	2. Information	Status	Shows information about current settings.	90
		Audio Input Signal	Shows information about audio input signals.	90
MENU		HDMI Information	Displays the HDMI input/output signals and HDMI monitor information.	90
Audio/Video Adjust	 Status Audio Input Signal HDMI Information Preset Channel 	Preset Channel	Shows information about tuner or network preset channels.	90
i <u>Input Setup</u> _i	3. Auto Setup	Audyssey Auto Setup	Makes the optimum settings for the speakers being used automatically.	7
Adjust various audio and video parameters	AUTO SETUP Audyssey Auto Setup Parameter Check	Parameter Check	Checks Audyssey [®] Auto Setup measurement results. This item is only displayed after Audyssey Auto Setup procedure has been performed.	11
once	4. Manual Setup	Speaker Setup	Sets the speaker size and distance, the channel level, etc.	80
Set these for example upon purchase.		HDMI Setup	Makes settings for HDMI video/audio output.	82
Once these items are set, there is	MANUAL SETUP	Audio Setup	Makes settings for audio playback.	83
no need to set them again unless	 Speaker Setup 	Network Setup	Makes network settings.	83
the speaker layout or the connected	HDMI Setup Audio Setup	Zone Setup	Makes settings for audio playback in a multi-zone (ZONE2/ZONE3) system.	85
speakers have been changed.	Network Setup Zone Setup Option Setup	Option Setup	Makes various other settings.	86
	5. Input Setup	Auto Preset	Uses the auto preset function to program radio stations.	69
	(Example: HD Radio)	Preset Skip	Sets the preset memories that you do not want to display when tuning.	69
	INPUT SETUP	Parental Lock	Sets the Parental Lock.	69
		Antenna Aiming	Adjusts the SIRIUS reception sensitivity.	70
	Auto Preset	Preset Name	Assigns name to a preset memory.	70
	Preset Skip Preset Name	Input Assign	Changes input connector assignment.	70
	Video Rename	Video	Makes the video settings.	71
	Source Level	Input Mode	Sets the audio input mode and decode mode.	73
		Rename	Changes the display name for this source.	73
	<i>I</i>	Source Level	Adjusts the playback level of the audio input.	73
	Displayed items of the "Input Setu		Makes settings for iPod, USB memory device or network source playback.	73
	menu differs, depending on the selected input source.	he Still Picture	Makes settings for still picture playback.	74

Examples of menu and front display

Below we describe typical examples of displays on the TV screen and on the set's display window.

	Menu display	Front display	Description
Top menu display	AutiorVideo Adjust	*MENU A/V Adjust ►► 2	 The menu items are displayed here. The selected line is displayed here. The currently selected item is displayed on the display. Use Δ∇ to move to the item you want to set.
Display when changing settings	2 Perfault NPUT ASSICN Default BD DVD VCR HDMI [DIGITAL] [COMP] BD DVD COAX1 2-RCA HDMI None 1-RCA CAX2 2-RCA HDMI COAX2 3-RCA HDMI COAX2 3-RCA HDMI COAX2 3-RCA HDMI COAX2 3-RCA HDMI COAX2 3-RCA None 0pt1 None CAX2 Select <u>Enter</u> <u>RETURN</u> Return Change HDMI input connector assignment Press ENTER.	*Input Assign BD CHDMI1 Press ENTER.	 Use ムマ⊲ ▷ to move to the item you want to set. Press ENTER to set to the mode in which the setting can be made.
	INPUT SSICN INPUT SSICN INPUT SSICN IDEFAULT [HDMI] [DIGITAL] [COMP] BD J HDMIL Coaxi 2RCA VCR HDMI 4 None 1RCA CAAXE HDMI 5 Coaxi 2RCA CAAKE HDMI 6 Opt3 None TV None 0pt1 None . Select ENTER Enter RETURN Cancel Assign HDMI 1 input connector	*Input <u>Assign</u> BD ◀HDMI1 ♪	 If and "▶" is displayed at the sides of item whose setting can be changed. Use
Display when inputting characters	DVD DVD Default C SHIFT a/A SEARCH Keyboard	*Rename: DUD ODUD O	 When < ▷ is pressed, the cursor moves to the left or right. When △ ▽ is pressed at the position where you want to input the character, the character is input. For inputting characters on a keyboard screen or with the number buttons on the remote control unit, see page 67.
Display when resetting	DVD DVD Default ENTER Enter RETURN Return	*Rename Default Press ENTER. *Rename Default? :∢No	 Press

Inputting characters

You can change the names as desired using the "Preset Name" (Page70), "Rename" (Page73), "RhapsodyAccount" (Page85), "Napster Account" (Page 85), "Zone Rename" (Page 87) and character input for the network functions.

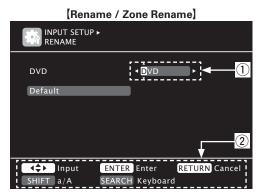
For inputting characters, there are three methods, as shown below.

Method for inputting characters

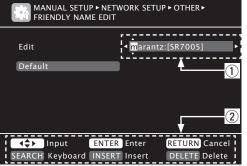
Method	Operations	
Using the cursor buttons (Normal screen)	 Operating with the remote control unit or the main unit. Use △∇◁ ▷ and ENTER to input characters. 	
Using the keyboard screen	 Operating with the remote control unit. Select a character on the TV screen to input characters. 	

Normal screen

Display of a normal input screen



[Account input / Search by text / Proxy Name / Friendly Name Edit]



① Character input section

② Guide for operation buttons

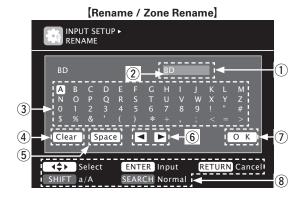
Using the cursor buttons

- Display the screen for inputting characters (E page 65 "Menu map"). Use $\triangleleft \triangleright$ to set the cursor to the character you want to change. Use $\Delta \nabla$ to change the character, then press ENTER. • The types of characters that can be input are as shown below. [Upper case characters] ABCDEFGHIJKLMNOPQRSTUVWXYZ [Lower case characters] abcdefghiiklmnopgrstuvwxvz [Symbols] ! " # \$ % & ' () * + , - . / : ; < =>?@[\]^_`{|}^ [Numbers] 0123456789 (Space)
- The input character type can be switched by pressing **SHIFT/TOP MENU** while the display name is being changed.

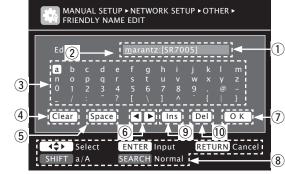
4 Repeat steps 2 and 3 to change the name then press **ENTER** to register it.

Keyboard screen

Display of a keyboard input screen



[Account input / Search by text / Proxy Name / Friendly Name Edit]



- ① Character input section
- ② Cursor
- Keyboard section
- ④ Clear key
- (5) Space key
- 6 Cursor keys
- ⑦ OK key
- (8) Guide for operation buttons
- Insert key
- 10 Delete key

english

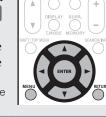
Inputting characters

Display the screen for inputting characters (T page 65 "Menu map").

Press SEARCH/INFO while a normal screen is displayed.

A keyboard screen is displayed.

5 Select a character to be changed. J (1) Press $\Delta \nabla \triangleleft \triangleright$ to select or 🔼 **2** Press ENTER to place the cursor at the character to be changed. Each time ENTER is pressed, the cursor moves by one character.



Select a character to be input with $\Delta \nabla \triangleleft \triangleright$ then press ENTER.

• The types of characters that can be input are as shown below.

[Upper case characters/Numbers/Symbols] ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789 ! " **#**\$ % & ' () * + , ; <=> [Lower case characters/Numbers/Symbols] abcdefghijklmnopqrstuvwxyz 0123456789 .@-_/:~?[\]^`{|}

• The input character type can be switched by pressing SHIFT/TOP MENU while the display name is being changed.

5 **Repeat steps 3 and 4 to change the name.**

Use $\triangle \nabla \triangleleft \triangleright$ to select $\bigcirc K$, then press ENTER. 6

Input Setup

Perform settings related to input source playback.

• You do not have to change the settings to use the unit. Make settings when needed.

Menu operation

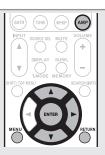
Press **AMP** to set the remote control unit to amplifier operation mode.

5 Press MENU.

3

The menu is displayed on the TV screen.

Use $\triangle \nabla$ to select the menu to be set or operated.



Press **ENTER** or \triangleright to enter the setting.

- To return to the previous item, press RETURN.
- Exiting the Menu, press **MENU** while the menu is displayed. The menu display disappears.

Important information

□ About the display of input sources

In this section, the configurable input sources for each item are shown as follows.

BD DVD VCR SAT GAME AUX1 NET/USB TV CD CDR PHONO	SIRIUS
HD Radio M-XPort	

RETURN

NOTE

Input sources that have been set to "Delete" at "Source Delete" (12 page 86) cannot be selected.





Input Setup

Simple version

Basic version

Information

Items that can be set with the Input Setup procedure

Auto Preset (🖙 page 69)	Preset Skip	(🖅 page 69)	Parental Loc	k (🖅 page 69)
INPUT SETUP - AUTO PRESET	INPUT SETUP • PRESET SKIP	[1/7]	INPUT SETUP • PARENTAL LOCK	
Start	Block A Block Presets A1 FM 87.50MHz 87.50MHz A2 FM 87.50MHz 89.10MHz A3 FM 93.10MHz 89.10MHz A4 FM 97.30MHz 7.90MHz A5 FM 97.90MHz 8.00MHz A6 AM 98.10MHz 7.40MHz A7 AM 98.90MHz 8.80MHz A8 AM 100.10MHz 1.00MHz	A O	 Lock Setting Edit Lock Code 	•
ENTER Enter RETURN Return Start the auto preset process	Change memory blocks	RETURN Return	Set a listening limit to an	y channel
Antenna Aiming (🖅 page 70)	Preset Name	e (🖙 page 70)	Input Assig	1 (🕼 page 70)
INPUT SETUP • ANTENNA AIMING	INPUT SETUP • PRESET NAME	[1/7]	INPUT SETUP >	
Satellite 🛛 🗖 🗖 Terrestrial 🜑 🗖	Biock A1 FM 87.50MHz A2 FM 87.90MHz A3 FM 89.10MHz A4 FM 93.30MHz A5 FM 97.90MHz A5 FM 97.90MHz A6 AM 98.10MHz A7 AM 98.90MHz A8 AM 100.10MHz	▲ A → [] [] [] [] [] [] []	Default [HDMI] BD HDMI1 DVD HDMI2 VCR HDMI4 SAT HDMI3 CAME HDMI6 TV None	[DIGITAL] [COMP] None 1-RCA Coax1 2-RCA None 2-RCA Coax2 3-RCA None None Opt3 None Opt1 None
RETURN Return Adjust antenna position for best signal	Change memory blocks	RETURN Return	Change HDMI input conne	R Enter RETURN Return
Video (🖙 page 71)	Input Mode	(🖅 page 73)	Rename (🖅 page 73)
INPUT SETUP • VIDEO	INPUT SETUP - INPUT MODE		INPUT SETUP • RENAME	
Video Select Source Video Mode Auto Video Convert ON I/p Scaler Analog & HDMI Resolution(Analog) Auto Resolution(MOMI) Auto Progressive Mode Auto Aspect Full	Input Mode Decode Mode	< Auto ► Auto	DVD Default	• DVD
RETURN Return Select desired video input source	Automatically detect input	RETURN Return signal and playback		RETURN Return
Source Level (🖅 page 73)		le (🖅 page 73)	Still Picture	e (🖙 page 74)
INPUT SETUP • SOURCE LEVEL	INPUT SETUP► PLAYBACK MODE		INPUT SETUP► STILL PICTURE	
Analog Input ≺ 0dB > Digital Input 0dB	Repeat Random	● OFF → OFF	Slide Show Interval	• OFF • • Ssec
RETURN Return Compensate analog audio input playback level	Cancel repeat mode	RETURN Return	Display only the selected	RETURN Return still picture image

Auto Preset

Use the auto preset function to program radio stations.

Setting items	Setting details
Start Start the auto preset process.	If an FM station cannot be preset automatically, select the desired station by tuning it in manually, then preset it manually.
HD Radio	

Preset Skip

Default settings are underlined.

Default settings are underlined.

Set preset channel to be skipped when selecting.

Setting items	Setting details
A – G	1 – 8 : Set by individual preset channels in the currently selected preset
Set the preset channels you	memory block.
do not want to display. You	• <u>ON</u> : Display the selected preset channel.
can set by preset memory	• Skip : Do not display the selected preset channel.
block (A to G) or by preset channel (1 to 8).	If you set "Block Presets" to "Skip", you can skip the preset memory blocks (A to G).
SIRIUS HD Radio	

Parental Lock

For any channel, set the radio reception limits.

Setting items	Setting details
Lock Setting Set the channel radio reception limits.	 Press Δ∇ to select "Lock Setting", and then press ▷ or ENTER. Pressing Δ∇⊲ ▷, input the password (4 digits number) and press ENTER
SIRIUS	 3. Select channel by pressing △∇, and set the lock by pressing ⊲▷. <u>Unlock</u>: Do not lock selected channel(s). Lock : Lock selected channel(s). When a Parental Locked channel is tuned, "Enter Lock Code" is displayed, then input the password.
	 The default password is "0000". If the password is wrong, "Lock Code is incorrect" is displayed. Input the correct password. While listening to the channel being played, you can also set parental lock (127) page 33).



Input Setup

Setting items	Setting details			
Edit Lock Code Change the password.	1. Press $\Delta \nabla$ to select "Edit Lock Code", and then press \triangleright or ENTER . 2. Input current lock code (4 digits) using $\Delta \nabla \triangleleft \triangleright$, and press ENTER .			
SIRIUS	 Input new lock code (4 digits) using △∇⊲▷, and press ENTER. Input new lock code (4 digits) again using △∇⊲▷, and press ENTER. Press △∇ to select "Execute", and then press ENTER. If the correct password is input, "Completed" is displayed, and the new password is modified. 			
	 If the old password is incorrectly input, "Current Lock Code is incorrect" is displayed, and proceed again from step 1. If the password input is 3 digits or less, "Enter 4 digits number" is displayed, and input again with a 4 digit password. If the new password is not correctly input, "New Lock Codes do not Match" is displayed and the password does not change. 			

Antenna Aiming

Install the antenna with radio reception sensitivity set to maximum.

Setting items	Setting details				
Satellite	Display	Condition			
Indicate satellite signal		Signal strength is excellent			
strength.		Signal strength is good			
SIRIUS		Signal strength is weak			
Terrestrial		No signal			
Indicate terrestrial signal strength.					
SIRIUS					

Preset Name

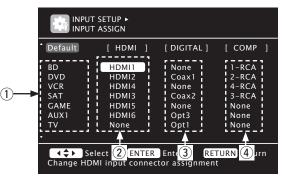
Assign name to a preset memory.

buttons

Setting items	Setting details
A1 – G8 Select the preset channel.	Up to eight characters can be input.For character input, see page 67.
HD Radio	
Default The changed preset name is returned to the default setting.	Yes : Reset to the defaults. No : Do not reset to the defaults.

Input Assign

Examples of input assign menu screen displays



- 1 Input Source
- 2 HDMI input
- 3 Digital audio input
- ④ Component video input

Input assignments menu operations

Use $\triangle \nabla \triangleleft \triangleright$ to move the highlight to the item you want to set. Press **ENTER**, then use $\triangleleft \triangleright$ to select the input connector to be 2 assigned. Press ENTER to register the setting. 3

NOTE

If all "HDMI", "Digital" and "Component" assignment of the Game source are set to "None", Game source cannot be selected with the input source selection.



Input Setup

Simple version

Basic version

- Advanced version

Information

	source	BD	DVD	VCR	SAT	GAME			SAT GAME
	Default setting	HDMI 1	HDMI 2	HDMI 4	HDMI 3	HDMI 5	HDMI 6	None	
	 An input s is displaye To play the signal assi Mode" (122) The audio output to t When "HE 	d as "– - e video s gned at Page 7 signals i he moni	- –". signal ass "Input As '3). input from tor.	signed a ssign" – m the ar	"Digital nalog an	l" combi ", select d digital o	ned with "Digital" connector	the audio at "Input rs are not	Default The "Input Assign" are returned to the settings.
	cannot be	<u> </u>			ICAL)				– Video
tal	• At time of shown bel	ot assigr purchas	n a digital	input coi	nnector				
	Input sour	ce B		VD	VCR	SAT	GAME	AUX1	Setting iter
	Default setting	No	one C	oax 1	None	Coax 2	None	Opt 3	Video Select Video of another in source is played ba
						[]			combined with the

Setting items

HDMI

Set this to change the HDMI None : Do not assign an HDMI input connector to the selected input input connectors assigned source. to the input sources.

BD	DVD	VCR
SAT	GAME	AUX1
TV		

	ine settings	of the diff	erent input	sources	are as
shown below.					

Setting details

HDMI 1 / HDMI 2 / HDMI 3 / HDMI 4 / HDMI 5 / HDMI 6

Input source	BD	DVD	VCR	SAT	GAME	AUX1	TV
Default setting	HDMI 1	HDMI 2	HDMI 4	HDMI 3	HDMI 5	HDMI 6	None

Digital

Set this to change the digita

input connectors assigned to the input sources.

BD	DVD	VCR
SAT	GAME	AUX1
TV	CD	CDR
SIRIUS		

Input source	BD	DVD	VCR	SAT	GAME	AUX
Default setting	None	Coax 1	None	Coax 2	None	Ор 3
Input source	TV	CD	CDR	SIRIUS		
Default setting	Opt 1	Opt 2	None	None		

Setting items	Setting details							
Component	1-RCA / 2-RCA / 3-RCA / 4-RCA (Component video)							
Set this to change the	None : Do r	not assigr	n a comp	onent vio	deo input	connect	or to the	selected
component video input	input source	Э.						
connectors assigned to the input sources.	• At time of shown bel		e, the se	ettings of	the diff	erent inp	ut source	es are as
BD DVD VCR SAT GAME AUX1	Input source	BD	DVD	VCR	SAT	GAME	AUX1	TV
TV	Default setting	1-RCA	2-RCA	4-RCA	3-RCA	None	None	None
	An input sou				nt video	input cor	nnector c	annot be
Default	assigned is Yes : Reset	. ,		-".				
The "Input Assign" settings	No : Do not			ults.				
are returned to the default settings.				and pres elect "Yes				"Default ENTER .

Setting details

Default settings are underlined.

eo.

Setting items

V" can be set when "HDMI" (@page 71) or "Component" (@page 71) has been

Setting items	Setting details
Video Select Video of another input source is played back combined with the playing	Source : Play the picture and sound of the input source. BD / DVD / VCR / SAT / GAME / AUX1 / TV : Select video input source to view. This can be set for individual input sources.
audio.	"GAME" and "TV" can be selected only when a component video is assigned as an input source.
	• It is not possible to select HDMI input signals.

• Input sources for which "Delete" is selected at "Source Delete" (127 page 86) cannot be selected. • This can also be set by pressing V.SEL on the

remote control unit.







Setting items	Setting details	Setting items	Setting details
Video Mode Make settings for video processing. BD DVD VCR SAT GAME * AUX1 TV *	 Auto : Process video automatically based on the HDMI content information. Movie : Process video normally. Game : Always process video appropriate for game content. If "Video Mode" is set to "Auto", the mode is switched according to the input contents. If a source is played in both MAIN ZONE (audio and video) and ZONE2 (audio only) modes in the same room, audio in MAIN ZONE and ZONE2 modes may sound out of synchronization, but this is not malfunction. In this case, setting to "Game" mode may improve audio synchronization. 	Resolution Set the output resolution. Resolution (Analog) : Analog Video Resolution (HDMI) : HDMI BD DVD VCR SAT GAME * AUX1 NET/USB TV *	 Auto : The number of pixels the TV connected to the HDMI output connector supports is detected automatically and the appropriate output resolution is set. 480p / 576p / 1080i / 720p / 1080p / 1080p:24Hz : Set the output resolution This item can be set when "i/p Scaler" is set to anything other that "OFF". When "i/p Scaler" is set to "Analog & HDMI", the resolution of both the analog video input signal and HDMI input signal can be set. To watch 1080p/24Hz pictures, use a TV that supports 1080p/24Hz video signals.
Video Convert The input video signal is converted automatically in conjunction with the connected TV (P page 14 "Converting input video signals for output (Video conversion function)"). BD DVD VCR SAT GAME *	 ON : The input video signal is converted. OFF : The input video signal is not converted. Image: When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate. In this case set "Video Convert" to "OFF". When "Video Convert" is set to "OFF", the video conversion function does not work. In this case, connect this unit and TV with the same type of cable. 	Progressive Mode Set an appropriate progressive conversion mode for the source video signal. BD DVD VCR	 When set to "1080p/24Hz", you can enjoy film-like pictures for film sources (in 24 Hz). For video sources and mixed sources, we recommend setting the resolution to "1080p". It is not possible to convert a 50 Hz signal into 1080p/24Hz. It is output at a resolution of 1080p/50Hz. Auto : The video signal is automatically detected and the appropriate mode is set. Video1 : Select mode suitable for video playback Video2 : Select mode suitable for video and 30-frame film materia playback. This item can be set when "i/p Scaler" is set to anything other than
AUX1 TV * i/p Scaler Convert the input source's resolution to the resolution set at "Resolution". BD DVD VCR SAT GAME * AUX1 NET/USB TV *	 Analog : Use i/p scaler function for analog video signal. Analog & HDMI : Use i/p scaler function for analog and HDMI video signal. HDMI : Use i/p scaler function for HDMI video signal. OFF : Do not use i/p scaler function. * * Analog & HDMI" and "HDMI" can be set for input sources for which an HDMI input connector is assigned. Which items can be set depend on the input source assigned to each input connector. This function is not effective when the input signal is x.v.Color, 3D, sYCC 601 color, Adobe RGB color, Adobe YCC 601 color or computer resolution. 	BDDVDVCRSATGAME*AUX1TV*AspectTto for the video signals output to the HDMI.BDDVDVCRSATGAME*AUX1NET/USBTVTV*	 Pull : Output at 16:9 aspect ratio. Normal : Output at 4:3 aspect ratio. * Aspect" can be set when "i/p Scaler" is set to anything other than "OFF".

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assigned.

Input Setup

Input Mode

Default settings are underlined.

The input modes available for selection may vary depending on the input source.

Setting items	Setting details
Input Mode Set the audio input modes for the different input sources.	 Auto : Automatically detect input signal and perform playback. HDMI : Play only signals from HDMI input. Digital : Play only signals from digital input. Analog : Play only signals from analog input. 7.1CH IN : Only signals input from the 7.1CH INPUT terminal will be played back.
	 This can also be set by pressing A/D on the remote control unit. Each time A/D is pressed, the setting is changed as shown below.
	Auto — HDMI — Digital — Analog —
	7.1CH IN -
	 "HDMI" can be set for input sources for which "HDMI" is assigned at "Input Assign" (@ page 71). "Digital" can be set for input sources for which "Digital" is assigned at "Input Assign" (@ page 71). If the input source is set to "TV" or "Game", it cannot be set to "Analog". When digital signals are properly input, the DIG indicator lights on the display. If the DIG indicator does not light, check the digital input connector assignment and the connections. The surround mode cannot be set if the input mode is set to "7.1CH IN". If "HDMI Control" is set to "ON" and a TV compatible with the ARC is connected via the HDMI OUT connectors, the input mode whose input source is "TV" is fixed to ARC.
Decode Mode	Auto : Detect type of digital input signal and decode and play automatically.
Set the decode mode for input source.	PCM : Decode and play only PCM input signals. DTS : Decode and play only DTS input signals.
BD DVD VCR SAT GAME AUX1 TV CD CDR	 This item can be set for input sources for which "HDMI" or "Digital" is assigned at "Input Assign" (127) page 70). Normally set this mode to "Auto". Set "PCM" and "DTS" when inputting the corresponding input signal.

Rename

Change the display name of the selected input source.

Setting details
• Up to eight characters can be input.
• For character input, see page 67.
Yes : Reset to the defaults.
No : Do not reset to the defaults.

Source Level

Default settings are underlined.

• This function corrects the playback level of the selected input source's audio input.

• Make this setting if there are differences in the input volume levels between the different sources.

Setting details

-12dB - +12dB (<u>0dB</u>)

The analog input level and digital input level can be adjusted independently for input sources for which "HDMI" or "Digital" is assigned at "Input Assign" (12) page 70).

Playback Mode

Make settings for repeat playback mode or random playback mode.

Setting items	Setting details
Repeat Make settings for repeat mode.	All : All files are played repeatedly. One : A file being played is played repeatedly. OFF : Repeat playback mode is canceled.
NET/USB	
Random Make random mode settings.	ON : Enable random playback. OFF : Disable random playback.
NET/USB	

RETURN





Basic version

Input Setup

Still Picture

Default settings are underlined.

Make settings for playing back still picture images.

Setting items	Setting details
Slide Show Make slide show settings.	ON : Display still picture images in a slide show. OFF : Display only the selected still picture image.
NET/USB	
Interval Set the playback time per image.	<u>5sec</u> – 60sec
NET/USB	

Audio/Video Adjust

The sound being played in the surround mode can be adjusted to your liking.

The items (parameters) that can be adjusted depend on the signal being input and the currently set surround mode. For details on the adjustable parameters, see "Surround modes and parameters" (@ page 106).

Menu operation

Press AMP to set the remote control unit to amplifier operation mode.

7 Press MENU.



- The menu is displayed on the TV screen.
- **3** Use $\Delta \nabla$ to select the menu to be set or operated.

4 Press **ENTER** or \triangleright to enter the setting.

- To return to the previous item, press RETURN.
- Exiting the Menu, press **MENU** while the menu is displayed. The menu display disappears.

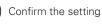
Items that can be set with the Audio/Video Adjust procedure

- Audio Adjust (r page 75) Surround Parameter (r page 75)
- 🖵 **Tone** (😰 page 75)
- □ Audyssey Settings (☞ page 76)
- A-DSX Soundstage (
 page 77)
- Manual EQ (127 page 78)
 M-DAX (127 page 78)
- Audio Delay (127) page 78)

Picture Adjust (P page 79)







RETURN

Audio/Video Adjust

Audio Adjust

Surround Parameter

Default settings are underlined.

Adjust surround sound parameters. It may not be possible to set this item depending on the input signal.

Setting items	Setting details
HT-EQ Soften the treble range of movie soundtracks for better understanding.	ON : "HT-EQ" is used. OFF : "HT-EQ" is not used.
DRC Compress dynamic range (difference between loud and soft sounds).	 <u>Auto</u>: Automatic dynamic range compression on/off control according to source. This can be set in the Dolby TrueHD mode. Low / Mid / High : These set the compression level. OFF : Dynamic range compression always off.
D.Comp Compress dynamic range (difference between loud and soft sounds).	Low / Mid / High : These set the compression level. <u>OFF</u> : Turn dynamic range compression off.
LFE Adjust the low-frequency effects level (LFE).	 −10dB - <u>0dB</u> For proper playback of the different sources, we recommend setting to the values below. Dolby Digital sources : "0dB" DTS movie sources : "0dB" DTS music sources : "-10dB"
C.Image Assign center channel signal to front left and right channels for wider sound.	0.0 – 1.0 (<u>0.3</u>)
Panorama Assign front L/R signal also to surround channels for wider sound.	ON : Set. OFF : Do not set.
Dimension Shift sound image center to front or rear to adjust playback balance.	0 – 6 (<u>3</u>)
C.Width Assign center channel signal to front left and right channels for wider sound.	0 – 7 (<u>3)</u>

Setting items	Setting details		
Height Gain Control the front height channel volume.	Low : Reduce the front height channel volume. Mid : Front height channel sound is output with standard sound volume. High : Increase the front height channel volume.		
	 NOTE "Height Gain" is displayed for the following settings. When "Amp Assign" (125 page 80) is set to "Normal". When the "Speaker Config." – "F.Height" setting (125 page 80) is set other than to "None". 		
	• When surround mode is "PLIIz" or the PLIIz decoder is used.		
Default	Yes : Reset to the defaults.		
The "Surround Parameter" settings are returned to the default settings.	No : Do not reset to the defaults.		

🖵 Tone

Adjust the tonal quality of the sound.

Setting items	Setting details
Tone Control	ON : Allow tone adjustment (bass, treble).
Set the tone control function	OFF : Playback without tone adjustment.
to ON and OFF.	"Tone Control" can be set when "Dynamic EQ" (**** page 76) is set to "OFF".
	NOTE
	• "Tone Control" settings are not reflected to ZONE2 and ZONE3.
	• The tone cannot be adjusted in the direct mode.
Bass	-6dB - +6dB
Adjust low frequency range (bass).	"Bass" can be set when "Tone Control" is set to "ON".
Treble	-6dB - +6dB
Adjust high frequency range (treble).	"Treble" can be set when "Tone Control" is set to "ON".



Audio/Video Adjust

Audyssey Settings

Default settings are underlined.

Set MultEQ[®] XT, Dynamic EQ[®] and Dynamic Volume[®]. These can be selected after Audyssey[®] Auto Setup has been performed. For additional information on Audyssey technology, please see page 111.

NOTE

If you have not performed Auto Setup, or if you change the speaker settings after performing Auto Setup, you may not be able to select Dynamic EQ/Dynamic Volume, and "Run Audyssey" may be displayed. In this case, either perform Audyssey Auto Setup over again or perform "Restore" (1277) page 11) to return to the settings after Audyssey Auto Setup was run.

Setting items	Setting details
MultEQ XT Select one equalizer from three modes. MultEQ XT corrects both time and frequency response problems in the listening area based on Audyssey Auto Setup calibration. We recommend "Audyssey". MultEQ XT is the prerequisite function for Dynamic EQ and Dynamic Volume.	Audyssey : Optimize the frequency response of all speakers. Audyssey Byp.L/R : Optimize frequency response of speakers except front L and R speakers. Audyssey Flat : Optimize frequency response of all speakers to flat response. Manual : Apply frequency response set with "Manual EQ" (P page 78). OFF : Turn "MultEQ XT" equalizer off. * "Audyssey", "Audyssey Byp. L/R" and "Audyssey Flat" can be selected after Audyssey Auto Setup has been performed. "Audyssey" is automatically selected after performing Audyssey Flat" is selected, "Audyssey", "Audyssey Byp. L/R" or "Audyssey Flat" is selected, "Audyssey", "Audyssey Byp.L'R" or "Audyssey Byp.L'R" or "Audyssey", "Audyssey", "Audyssey Byp.L'R" or "Audyssey Byp.L'R" or "Audyssey", "Audyssey", "Audyssey Byp.L'R" or "Audyssey", "Audyssey", "Audyssey Byp.L'R" or "Audyssey", "Audyssey", "Audyssey", "Audyssey", "Audyssey", "Audysey", "Audyssey", "Audyssey", "Audysey", "Aud
	 After running Audyssey Auto Setup, if the Speaker Configuration, Distance, Channel Level, and Crossover Frequency have changed without increasing the number of speakers measured, only MUSESY illuminates. Pressing MULTEQ makes this setting.

NOTE

- "MultEQ XT" and "Manual" cannot be selected when "EQ Customize" is set to "Not Used" (12) page 83).
- When using headphones, "MultEQ XT" is automatically set to "OFF".

Setting items	Setting details
Dynamic EQ® Solve the problem of deteriorating sound quality as volume is decreased by taking into account human perception and room acoustics. Works with MultEQ XT.	ON: Use Dynamic EQ. OFF: Do not use Dynamic EQ. Image: State of the set of th
	Dynamic EQ : ON Dynamic Volume : Heavy Dynamic Volume : Heavy Dynamic EQ : ON Dynamic EQ : OFF Dynamic EQ : ON Dynamic Volume : OFF Dynamic Volume : OFF Dynamic Volume : OFF Dynamic Volume : OFF
Audyssey Dynamic EQ is referenced to the standard film mix level. It makes adjustments to maintain the reference response and surround envelopment when the volume is turned down from 0 dB. However,	 OdB (Film Ref) : This is the default setting and should be used when listening to movies. 5dB : Select this setting for content that has a very wide dynamic range such as classical music. 10dB : Select this setting for jazz or other music that has a wider dynam range. This setting should also be selected for TV content as that is usual mixed at 10 dB below film reference. 15dB : Select this setting for pop/rock music or other program materi that is mixed at very high listening levels and has a compressed dynam range. Setting is enabled when "Dynamic EQ" is "ON" (CP page 76).



RETURN

Setting items	Setting details	Setting items	Setting details
Dynamic Volume [®] Solve the problem of large variations in volume level between TV, movies and other content (between quiet passages and loud passages, etc.) by automatically adjusting to the user's preferred volume setting.	Heavy : Most adjustment to softest and loudest sounds. Medium : Medium adjustment to loudest and softest sound. Light : Least adjustment to loudest and softest sounds. OFF : Do not use "Dynamic Volume". Is displayed when set to "ON". If "Dynamic Volume" is set to "Yes" in Auto Setup (127 page 10), the setting is automatically changed to "Evening". Buttons on the remote control unit or main unit can be used for operations. Press DYN EQ/VOL. Each time DYN EQ/VOL is pressed, the setting is changed as shown below. Dynamic EQ : ON Dynamic EQ : ON Dynamic EQ : ON Dynamic Volume : Heavy Dynamic Colume : Medium Dynamic EQ : OFF Dynamic EQ : ON Dynamic EQ : ON Dynamic CO : ON Dynamic CO : OFF Dynamic CO : ON Dynamic Volume : Light	Stage Width Adjust sound stage width when using front wide speakers. Stage Height Adjust sound stage height when using front height speakers.	 -10 - +10 (0) -10 - +10 (0) * Audyssey DSX" can be set when you are using front height speakers or front wide speakers. * Audyssey DSX" is only valid when using a center speaker. * Audyssey DSX" is only enabled when the listening mode is set off than STEREO, PLIIz Height, MULTI CH STEREO, NEURAL, DOLBY V DIRECT, PURE DIRECT. * A-DSX Soundstage" cannot be configured if the HD Audio source be played includes Front height and Front wide channels. In this case, the respective channels are played back using the input signals. About Audyssey Dynamic Surround Expansion (A-DSX) Audyssey DSX is a scalable surround impression. Based on researce in human hearing Audyssey DSX adds a pair of Wide channels in the front because that information is critical in the rendering of a realistic surround in the rendering of a realistic s

□ A-DSX Soundstage

Default settings are underlined.

Adjust Audyssey DSX[™] setting and sound stage parameters.

Setting items	Setting details	
Audyssey DSX Provides more immersive surround sound by adding the new channels.	 ON-Height- : Turn on A-DSX processing for height expansion. ON-Wide- : Turn on A-DSX processing for wide expansion. OFF : Do not set Audyssey DSX. Image: A set of the pressing A-DSX. The constant indicator illuminates on the display. 	AUTO STEREO ROBERT REPEAT NULTO STEREO ROBERT REPEAT NUL
	→ Audyssey DSX : ON -Height- OFF → Audyssey DSX : ON -V	Vide-

Setting items	Setting details
Stage Width Adjust sound stage width when using front wide speakers.	–10 – +10 (<u>0</u>)
Stage Height Adjust sound stage height when using front height speakers.	 -10 - +10 (0) Audyssey DSX" can be set when you are using front height speakers or front wide speakers. "Audyssey DSX" is only valid when using a center speaker. "Audyssey DSX" is only enabled when the listening mode is set othe than STEREO, PLIIz Height, MULTI CH STEREO, NEURAL, DOLBY VS DIRECT, PURE DIRECT. "A-DSX Soundstage" cannot be configured if the HD Audio source being played includes Front height and Front wide channels. In this case, the respective channels are played back using the input signals.
	About Audyssey Dynamic Surround Expansion (A-DSX)
	Audyssey DSX is a scalable surround expansion system that adds new channels to improve the surround impression. Based on research in human hearing Audyssey DSX adds a pair of Wide channels in the front because that information is critical in the rendering of a realistic soundstage.
	Audyssey DSX then adds a pair of Height channels above the main front channels to reproduce the next most important acoustical and perceptual cues related to soundstage depth. In addition to creating these new channels, Audyssey DSX applies Surround Envelopment
	Processing to enhance the blend between the front and side/back surround channels. The result is a much more seamless and enveloping

home theater experience.

Simple version

Basic version





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Audio/Video Adjust

□ Manual EQ

Default settings are underlined.

Use the graphic equalizer to adjust the tone of each speaker. "Manual EQ" can be set when "MultEQ XT" setting (page 76) is "Manual"

Setting items	Setting details
Adjust CH	① Select the speaker tone adjustment method.
Correct the tone of each	All : Adjust the tone of all speakers together.
speaker.	L/R : Adjust the tone of left and right speakers together.
	Each : Adjust the tone of each speaker.
	② Select the speaker.
	③ Select the adjustment frequency band.
	63Hz / 125Hz / 250Hz / 500Hz / 1kHz / 2kHz / 4kHz / 8kHz / 16kHz
	• Select the speakers you want to adjust when "L/R" or "Each" is
	selected.
	④ Adjust the level.
	-20.0dB - +6.0dB (0.0dB)
Base Curve Copy	Yes : Copy.
Copy "Audyssey Flat" curve	No : Do not copy.
from MultEQ [®] XT.	"Base Curve Copy" is displayed after Audyssey [®] Auto Setup has been performed.
Default	Yes : Reset to the defaults.
The "Manual EQ" settings	No : Do not reset to the defaults.
are returned to the default	
settings.	

Default settings are underlined.

Compressed audio formats such as MP3. WMA (Windows Media Audio) and MPEG-4 AAC reduce the amount of data by eliminating signal components that are hard for the human ear to hear. The M-DAX function generates the signals eliminated upon compression, restoring the sound to conditions near those of the original sound before compression. It also corrects the sense of volume of the bass to obtain richer sound with compressed audio signals.

Setting details OFF : Do not use M-DAX. LOW : Optimized mode for compressed sources with normal highs. **MID** : Apply suitable bass and treble boost for all compressed sources. HIGH : Optimized mode for compressed sources with very weak highs. **A** • This item can be set with analog signals or when a PCM signal (fs = 44.1/48M-DAX kHz) is input. 7 8 • This cannot be set when the surround mode is set to "DIRECT" or "PURE DIRECT". M-DAX • This item default setting is "OFF". \bigcirc If a setting other than "OFF" is selected, the M-DAX indicator lights. • Pressing **M-DAX** on the remote control unit or the main unit makes this setting. → OFF -----> LOW -----> MID --HIGH 🔫 0.0



Default settings are underlined.

While viewing video, manually adjust the time to delay audio output.

Setting details

<u>0ms – 200ms</u>

- This item can be set within the range of 0 to 100 ms when "Auto Lip Sync" is set to "ON" and when a TV compatible with Auto Lip Sync is connected.

RETURN

- Store "Audio Delay" for each input source.
- Audio Delay for game mode can be set when "Video Mode" (@ page 72) is set to "Auto" or "Game".
- This can also be set by pressing **A.DELAY** on the remote control unit.







Move the cursor (Up/Down/Left/Right)

Audio/Video Adjust

Picture Adjust

Default settings are underlined.

- This item can be set when the input source is **BD DVD VCR SAT GAME AUX1 NET/USB TV**.
- With input sources other than the ones above, this item can be set when "Video Select" is selected. In this case, the original input source settings are called out.
- Can be set when the "Video Convert" setting (12) page 72) is "ON".
- "GAME" or "TV" can be set when "HDMI" (@ page 71) or "Component" (@ page 71) has been assigned.

Setting items	Setting details
Contrast Adjust picture contrast.	-6 - +6 (<u>0</u>)
Brightness Adjust picture brightness.	<u>0</u> - +12
Chroma Level Adjust picture chroma level (saturation).	-6 - +6 (<u>0</u>)
Hue Adjust color hue.	-6 - +6 (<u>0</u>)
DNR Reduce overall picture noise.	OFF / Low / Mid / High
Enhancer Emphasize picture contours.	<u>0</u> - +12

- "DNR" and "Enhancer" are each effective with HDMI output.
- The value set at "Picture Adjust" is stored in the memory individually for each input source.

Manual Setup
Set when changing Audyssey $^{(\!R\!)}$ Auto Setup settings, or when changing the audio, video, display
or other settings.

- If you change the speaker settings after performing Audyssey Auto Setup, it will not be possible to set MultEQ[®] XT, Dynamic EQ[®] and Dynamic Volume[®] (27) page 76, 77).
- Can be used without changing the settings. Please set if necessary.

Menu operation

- Press AMP to set the remote control unit to amplifier operation mode.
- **7** Press MENU.
 - The menu is displayed on the TV screen.
- Press riangle
 abla to select the menu to be set or operated.

A Press **ENTER** or \triangleright to enter the setting.

- To return to the previous item, press **RETURN**.
- Exiting the Menu, press **MENU** while the menu is displayed. The menu display disappears.

Items that can be set with the Manual Setup procedure

Speaker Setup (🖅 page 80)	HDMI Setup (🕼 page 82)	Audio Setup (🖅 page 83)
MANUAL SETUP • SPEAKER SETUP	MANUAL SETUP + HDMI SETUP	MANUAL SETUP > AUDIO SETUP
Amp Assign Speaker Config. Bass Setting Distance Channel Level Crossover Frequency	RGB Range Normal Auto Lip Sync ON HOMI Audio Out AMP Monitor Out Monitor 1 HOMI Control ON Standby Source Last Power Off Control All	◆ 7.1ch IN SW Level EQ Customize
Assign surround back AMP for other use	RETURN Return Use video range from 16 (black) to 235 (white)	Set subwoofer playback level in 7.1ch IN mode
Network Setup (😰 page 83)	Zone Setup (😰 page 85)	Option Setup (🖅 page 86)
Network Setup (CF page 83)	Zone Setup (1277 page 85)	Option Setup (1277) page 86)
MANUAL SETUP •	MANUAL SETUP •	MANUAL SETUP





Manual Setup

Speaker Setup

Default settings are underlined.

Perform when setting the speakers manually or when changing settings made in Audyssey Auto Setup.

• If you change the speaker settings after performing Audyssey Auto Setup, it will not be possible to select MultEQ XT, Dynamic EQ and Dynamic Volume (P page 76, 77).

• Manual Setup can be used without changing the settings. Please set if necessary.

Setting items Setting details		
Amp Assign Set the speakers connected to this unit.	Normal : Set when using surround back, front height or front wide speakers. ZONE2 : Set for connecting the speakers for ZONE2 to the SURR.BACK/ AMP ASSIGN terminals. ZONE3 : Set for connecting the speakers for ZONE3 to the SURR.BACK/ AMP ASSIGN terminals. SPKR-C : Set for connecting a tweeter of a front speaker to the SURR. BACK/AMP ASSIGN terminals and a woofer of a front speaker to the FRONT terminals.	
Speaker Config. Select speaker configuration and size (bass reproduction capability). NOTE Do not use the outward shape of the speaker to determine selection of a "Large" or "Small" speaker. Instead, use the frequencies set in "Crossover Frequency" (IP page 82) as the standard for determining bass reproduction capability.	 Front : Set the front speaker size. Large : Use a large speaker that can adequately play back low frequencies. Small : Use a small speaker that has inadequate playback capacity for low frequencies. When "Subwoofer" is set to "No", "Front" is automatically set to "Large". When "Front" is set to "Small", "Center", "Surround", "S.Back", "F.Height" and "F.Wide" can not be set to "Large". Center : Set the presence and size of the center speaker. Large : Use a large speaker that has inadequate playback capacity for low frequencies. Small : Use a small speaker that can adequately play back low frequencies. Small : Use a small speaker that has inadequate playback capacity for low frequencies. None : Select when a center speaker is not connected. "Large" is not displayed when "Front" is set to "Small". Subwoofer : Set the presence of a subwoofer. Yes : Use a subwoofer. 	
	 No : Select when a subwoofer is not connected. When "Front" is set to "Small", "Subwoofer" is automatically set to "Yes". 	

Setting items	Setting details		
Speaker Config.	Surround : Set the presence and size of the surround speakers.		
(Continued)	• Large : Use a large speaker that can adequately play back low frequencies.		
	 <u>Small</u>: Use a small speaker that has inadequate playback capacity for low frequencies. 		
	• None : Select when the surround speakers are not connected.		
	Ser and the second s		
	• When "Surround" is set to "Large", "S.Back", "F.Height" and "F.Wide" can be set to "Large".		
	• When "Surround" is set to "None", "S.Back", "F.Height" and "F.Wide" can automatically set to "None".		
	 S.Back : Set the presence, size and number of surround back speakers. Large : Use a large speaker that can adequately play back low frequencies. 		
	 <u>Small</u>: Use a small speaker that has inadequate playback capacity for low frequencies. 		
	• None : Select when the surround back speakers are not connected.		
	 <u>2spkrs</u>: Use two surround back speakers. 1spkr: Use only one surround back speaker. When you select this setting, connect the surround back speaker to the left (L) channel. 		
	Even when the "S.Back" setting is other than "None", sound may not be emitted from the surround back speaker, depending on the playback source.		
	NOTE		
	When "Amp Assign" setting (P page 80) is other than "Normal", you cannot make the "S.Back" setting.		
	 F.Height : Set the presence and size of the front height speakers. Large : Use a large speaker that can adequately play back low frequencies. 		
	• <u>Small</u> : Use a small speaker that has inadequate playback capacity for low frequencies.		
	• None : Select when the front height speakers are not connected.		
	NOTE		

When "Amp Assign" setting (12 page 80) is other than "Normal", you cannot make the "F.Height" setting.





RETURN

ENGLISH

Simple version

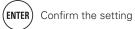
Basic version

Advanced version

Information

			Manual Setu
Setting items	Setting details	Setting items	Setting details
Speaker Config. (Continued)	 F.Wide : Set the presence and size of the front wide speakers. Large : Use a large speaker that can adequately play back low frequencies. Small : Use a small speaker that has inadequate playback capacity for low frequencies. None : Select when the front wide speakers are not connected. NOTE When "Amp Assign" setting (P page 80) is other than "Normal", you cannot make the "F.Wide" setting. 	Distance (Continued)	 The speakers that can be selected differ depending on the "Amp Assig (12) page 80) and "Speaker Config." (12) page 80) settings. Default settings : Front L / Front R / Center / Subwoofer / F.Height L / F.Height R / F.Wide F.Wide R : 12.0 ft (3.6 m) Surround L / Surround R / S.Back L / S.Back R : 10.0 ft (3.0 m) Set the difference in the distance between the speakers to less than ft (6.0 m).
Bass Setting Set subwoofer and LFE signal range playback.	 Subwoofer Mode : Select low range signals to be reproduced by subwoofer. LFE : The low range signal of the channel set to "Small" speaker size is added to the LFE signal output from the subwoofer. LFE+Main : The low range signal of all channels is added to the LFE signal output from the subwoofer. *** ************************************	Channel Level Set the volume of the test tone to be the same when is output from each speake	r. Subwoofer : Select the speaker.
Distance Set distance from listening position to speakers.	from the subwoofer. NOTE If "Front" and "Center" for "Speaker Config." are set to "Large", and "Subwoofer Mode" is set to "LFE", no sound may be output from the subwoofers, depending on the input signal or selected surround mode. LPF for LFE : Set LFE signal playback range. • 80Hz / 90Hz / 100Hz / 110Hz / 120Hz / 150Hz / 200Hz / 250Hz Unit : Set the unit of distance. • Feet / Meters Step : Set the minimum variable width of the distance.		 * When the "Speaker Config." – "S.Back" setting (☞ page 80) is set "1spkr", "S.Back" is displayed. -12.0dB - +12.0dB (0.0dB) : Adjust the volume. • When <\[\] is pressed while the subwoofer volume is set to "-12 dB", t "Subwoofer" setting switches to "OFF". • When "Channel Level" is adjusted, the adjusted values are set for all t surround modes. To adjust the channel level separately for the different surround modes, use the operation see page 58. • When you press TEST TONE on the remote control unit, you can end
Measure beforehand the distance from the listening position to each speaker.	 • <u>iff</u> / 0.1ft • 0.1m / 0.01m Front L / Front R / Center / Subwoofer / Surround L / Surround R / S.Back L* / S.Back R* / F.Height L / F.Height R / F.Wide L / F.Wide R : Select the speaker. * When the "Speaker Config." – "S.Back" setting (P page 80) is set to "1spkr", "S.Back" is displayed. • 0.0ft – 60.0ft / 0.00m – 18.00m : Set the distance. 		 this setting item immediately. NOTE Speakers set to "None" in the "Speaker Config." (P page 80) settin are not displayed. When a headphones jack is inserted in the PHONES jack of this unit, t "Channel Level" is not displayed. Default : The "Channel Level" settings are returned to the default setting. Yes : Reset to the defaults. No : Do not reset to the defaults.





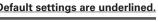
Manual Setup

Setting items	Setting details	HDMI Setup	Default set	
Crossover Frequency Set the maximum frequency of the bass signal output from each channel to the subwoofer. Set the Crossover Frequency to suit the bass reproduction capability of the speaker being used.	 Crossover : Set the crossover frequency. 40Hz / 60Hz / 80Hz / 90Hz / 100Hz / 110Hz / 120Hz / 150Hz / 200Hz / 250Hz Advanced : Specify crossover frequency for each speaker. Front / Center / Surround / S.Back / F.Height / F.Wide : Select the speaker. 40Hz / 60Hz / 80Hz / 90Hz / 100Hz / 110Hz / 120Hz / 150Hz / 200Hz / 250Hz : Set the crossover frequency. ** * Crossover Frequency" can be set when the "Bass Setting" – "Subwoofer Mode" (@ page 81) setting is "LFE+Main", or when you have a speaker that is set to "Small". 	Make settings for HDMI video/audio output.		
		Setting items RGB Range Set the video range of RGB output from the HDMI connector. Auto Lip Sync Make automatic compensation for timing shift in audio and video output.	Setting details Normal : Output with RGB video range (16 (black) to Enhanced : Output with RGB video range (0 (black)) This setting is active when using a TV equipped ON : Compensated. OFF : Not compensated.	
	 Always set the crossover frequency to "80Hz". When using small speakers, however, we recommend setting the crossover frequency to a higher frequency. For speakers set to "Small", sound below the crossover frequency is cut from the sound output. The cut bass sound is output from the subwoofer or front speakers. The speakers that can be set when "Advanced" is selected differ depending on to the "Subwoofer Mode" setting (127 page 81). When "LFE" is selected, speakers set to "Small" at "Speaker Config." 	HDMI Audio Out Select HDMI audio output device. Monitor Out Make settings for HDMI monitor output.	 AMP : Play back through speakers connected to the TV : Play back through TV connected to the receive When the HDMI control function is activated, pri audio setting (P page 57 "HDMI control function Monitor 1 : A TV connected to the HDMI OUT 1 ter Monitor 2 : A TV connected to the HDMI OUT 2 ter With "Resolution" (P page 72) not set to "A the TV you are using is compatible with the reservence. 	
	can be set. If the speakers are set to "Large", "Full Band" is displayed and the setting cannot be made.If set to "LFE+Main", this setting can be made regardless of the speaker size.	HDMI Control You can link operations with	Information" – "HDMI Monitor 1 Information" Information" (☞ page 90). ON : Use HDMI control function. OFF : Do not use HDMI control function	

Setting items	Setting details
RGB Range Set the video range of RGB output from the HDMI connector.	Normal : Output with RGB video range (16 (black) to 235 (white)). Enhanced : Output with RGB video range (0 (black) to 255 (white)). Image: This setting is active when using a TV equipped with a DVI terminal.
Auto Lip Sync Make automatic compensation for timing shift in audio and video output.	<u>ON</u> : Compensated. OFF : Not compensated.
HDMI Audio Out Select HDMI audio output	<u>AMP</u> : Play back through speakers connected to the receiver. TV : Play back through TV connected to the receiver.
device.	When the HDMI control function is activated, priority is given to the TV audio setting (B page 57 "HDMI control function").
Monitor Out Make settings for HDMI	$\label{eq:monitor1} \begin{array}{l} \textbf{Monitor 1} \\ \textbf{Monitor 2} \\ \textbf{:} \\ \textbf{A TV connected to the HDMI OUT 1 terminal is always used.} \end{array}$
monitor output.	With "Resolution" (P page 72) not set to "Auto", check whether the TV you are using is compatible with the resolution under "HDMI Information" – "HDMI Monitor 1 Information" and "HDMI Monitor 2 Information" (P page 90).
HDMI Control You can link operations with devices connected to HDMI and compatible with HDMI Control.	 ON : Use HDMI control function. OFF : Do not use HDMI control function. When a device that is not compatible with the HDMI control function is connected, set "HDMI Control" to "OFF". Please consult the operating instructions for each connected component to check the settings. Refer to "HDMI control function" (127 page 57) for more information about the HDMI control function. NOTE
	 When "HDMI Control" is set to "ON", it consumes more standby power. If you are not using this unit for an extended period, it is recommended that you unplug the power cord from the power outlet. "HDMI Control" does not work when the power to the equipment is off. Either turn power on or set to standby. The HDMI control function controls operations of a TV that is compatible with the HDMI control function. Make sure that the TV and HDMI are connected when you perform HDMI control. If the "HDMI Control" settings have been changed, always reset the power to connected devices after the change.







Manual Setup

Default settings are underlined.

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Advanced version

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	Last : This item is set at the last-used input source. HDMI1 / HDMI2 / HDMI3 / HDMI4 / HDMI5 / HDMI6 : Put the respective	Make network settings.	
to put into standby when the power is on.	input source into standby.	Setting items	Setting details
Power Off Control	"Standby Source" can be set when "HDMI Control" is set to "ON".All : If power to a connected TV is turned off independently of the input	Network Connecting Make settings for wired	 Connect the LAN cable (
Links the power standby of this unit to external equipment.	 Wideo: If power to a connected TV is turned off independently of the input source, power to this unit is automatically set to standby. Video: If power to a connected TV is turned off when the input source is BD / DVD / VCR / SAT / GAME / AUX1 / TV, power to this unit is automatically set to standby. OFF: This unit does not link with power to a TV. 	LAN.	 Turn on this unit (12) page 7 "Turn on power"). This unit performs automatic network setup due to the DHCP function When connecting to a network that has no DHCP function, perform the setting in step 3. Set the IP address at the "Network Connecting".
	* Power Off Control" can be set when "HDMI Control" is set to "ON".		Imanual setup + Network setup + Imanual setup + Network connecting Imanual setup + Network connecting Imanual setup + Network connecting Image: DHCP ON IP Address 192.168.100.19 Subnet Mask [255.255.255.255.255.000]
Audio Setup	Default settings are underlined.		Default Gateway [000.000.000] Primary DNS [000.000.000] Secondary DNS [000.000.000] Exit Prove
Nake settings for audio playb			Detail (1) ENTER Enter RETURN Return RETURN Return
Setting items	Setting details		Set IP address and proxy manually Set IP address manually
7.1ch IN SW Level Setup playback method for analog signals inputted from 7.1CH INPUT connectors. EQ Customize	 Subwoofer Level : Set playback level of subwoofer signal input from the 7.1CH INPUT connector. <u>+10dB</u> : This is the recommended level. +15dB / +5dB / 0dB : Select the level according to the player being used. Audyssey Byp. L/R : Set when not using "Audyssey Byp. L/R" equalizer. 		 On the menu, select "Network Connecting" – "Detail" and press ENTER. Use ⊲ ▷ to set "DHCP" to "OFF", then press ∇. The DHCP function is disabled. Use △ ♡▷ to input the address and press ENTER.
settings are not displayed when MULTEQ is pressed.	 <u>Used</u>: Use. Not Used: Do not use. Set so that "Audyssey Byp. L/R" settings can be made when Audyssey[®] Auto Setup is performed. 		• IP Address : Set the IP address within the ranges shown below. The Network Audio function cannot be used if other IP addresse are set. CLASS A: 10.0.0.0 – 10.255.255.255
AITO STEREO RABECT REPAI (1) (2) (3) (2) MULTO KAOSX AOSX RANDOM (4) (5) (6) (3) AOSLAV OHLVL DWIGING (1) (1) (1) (1) (1) (1) (1) AOSLAV OHLVL DWIGING (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	 Audyssey Flat : Set when not using "Audyssey Flat" equalizer. <u>Used</u> : Use. Not Used : Do not use. Set so that "Audyssey Flat" settings can be made when Audyssey Auto Setup is performed. 		 CLASS B: 172.16.0.0 – 172.31.255.255 CLASS C: 192.168.0.0 – 192.168.255.255 Subnet Mask : When connecting an xDSL modem or termina adapter directly to this unit, input the subnet mask indicated in the documentation supplied by your provider. Normally input 255.255.255.0.
	 Manual : Set when not using the "Manual" equalizer. <u>Used</u> : Use. Not Used : Do not use. 		 Default Gateway : When connected to a gateway (router), input it IP address. Primary DNS, Secondary DNS : If there is only one DNS address indicated in the documentation supplied by your provider, input it a "Primary DNS". If there are two or more DNS addresses, input the second secon

Network Setup

Setting items



Setting details







Manual Setup

Networ

(Continu

Setting items	Setting details	Setting items	Setting details
Setting items work Connecting Itinued)	Setting details	Setting items Network Connecting (Continued) Other Network function on/off setting during standby, and PC language setting.	Setting details ④ Use < ▷ to select the proxy server input method, and then press Address : Select when inputting by address. Name : Select when inputting by domain name. ⑤ Use △ ▽ < ▷ to input the proxy server address or domain name and press ENTER. When "Address" is selected in step ④ : Input the address When "Address" is selected in step ④ : Input the address When "Name" is selected in step ④ : Input the domain name ● For character input, see page 67. ⑥ Use △ ▽ < ▷ to input the proxy server port number and press ENTER. ⑦ Use ▽ to select "Exit" and press ENTER. Setup is complete. Network Standby : Set the network function on/off during standby. ● ON : Network is on during standby. Main unit operable with a network compatible controller. ● QFF : Suspend network function during standby. ● Set to "ON" when using the web control function. PC Language : Select computer environment language. • ara / chi (smpl) / chi (trad) / cze / dan / dut / eng / fin / fre / ger / gre / heb / hun / ita / jpn / kor / nor / pol / por / por(BR) / rus / spa / swe / tur Friendly Name Edit : The Friendly Name is the name of this unit displayed on the network. Up to 63 characters can be input. The default Friendly Name on first use is "marantz:[SR7005]". ● For character input, see page 67. Default : Restores Friendly Name, which you had
	ENTER Enter Return Set IP address and proxy manually Set if using proxy server Set if using proxy server Image: Set IP address and proxy manually Image: Set If using proxy server Set if using proxy server Image: Set IP address and proxy manually Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IP address and proxy manually Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server is used Image: Set IF using proxy server Image: Set IF using proxy server Image: Set IF using proxy server is used Image: Set IF using proxy server is used Image: Set IF using proxy server Image: Set IF using proxy server is used Image: Set IF using proxy server is used Image: Set IF using proxy server Image: Set IF using proxy server is used Image: Set IF using proxy server is used Image: Set IF using proxy server Image: Set IF using prox server is used Image: Set IF using pro		When you select "Default" and press ENTER, the "Default Setting?" prompt is displayed. Select either "Yes" or "No", and press ENTER.

The proxy server is enabled.





RETURN

Manual Setup

Default settings are underlined.

Simple version	

Setting items	Setting details	Zone Setup		
Other (Continued)	Update Notification : Displays a notification message on this unit's menu screen when the latest firmware is released with "Firmware Update". The	Set the audio to play back with multi-zone (ZONE2,		
(Continued)	notification message is displayed for about 20 seconds when the power			
	is turned on. Connect to broadband Internet (127 page 25) when using this	Setting items		
	function. • <u>ON</u> : Display update message. • OFF : Do not display update message.	Bass Adjust low frequency range (bass).	–10dB – +10dB (<u>0dB</u>	
	 When you press ENTER during display of the notification message, 	Treble Adjust high frequency range (treble).	–10dB – +10dB (<u>0dB</u>	
	 the "Check for Update" screen is displayed. (Refer to page 88 for more information on "Firmware Update") Press RETURN to erase the notification message. Upgrade Notification : Display a notification message on this unit's 	HPF Make settings for cutting the low range to reduce	ON : The low range i OFF : The low range	
	menu screen when downloadable firmware is released with "Add New	distortion in the bass.		
	Feature". The notification message is displayed for about 20 seconds when the power is turned on. Connect to broadband Internet (2) page 25) when using this function.	Level Lch Adjust the left channel output level.	-12dB - +12dB (<u>0dB</u> The "Level Lch" "Stereo".	
	 ON : Display upgrade message. OFF : Do not display upgrade message. 	Level Rch Adjust the right channel output level.	-12dB - +12dB (0dB The "Level Rch" "Stereo".	
	 When you press ENTER during display of the notification message, the "Add New Feature" screen is displayed. (Refer to page 88 for more information on "Add New Feature") Press RETURN to erase the notification message. 	Channel Set the signal output from multi-zone.	Stereo : Stereo : Select stere Mono : Select mono	
Rhapsody Account Set or change Username and Password (27 page 44	Views in Contractor interaction message. Username / Password / Account Number / Merge / Clear For character input, see page 67.	Volume Level Set the volume output level.	Variable : Volume ac unit. -40dB (41) : Fix volur	
"Listening to Rhapsody").			amplifier. 0dB (81) : Fix volum	
Napster Account	Username / Password		amplifier.	
Set or change Username and Password (P page 40 "Listening to Napster").	• For character input, see page 67.		When "Amp Assi "Volume Level"	
Network Information Display network information.	Friendly Name / DHCP= ON/OFF / IP Address / MAC Address	Volume Limit Make a setting for	OFF : Do not set a m -20dB (61) / <u>-10dB</u>	
		maximum volume.		

Cat -

, ZONE3).

Setting items	Setting details
Bass Adjust low frequency range	–10dB – +10dB (<u>0dB</u>)
(bass).	
Treble Adjust high frequency range (treble).	–10dB – +10dB (<u>0dB</u>)
HPF Make settings for cutting the low range to reduce distortion in the bass.	ON : The low range is attenuated. <u>OFF</u> : The low range is not attenuated.
Level Lch	–12dB – +12dB (<u>0dB</u>)
Adjust the left channel output level.	The "Level Lch" can be set when "Channel" (B page 85) is set to "Stereo".
Level Rch	–12dB – +12dB (<u>0dB</u>)
Adjust the right channel output level.	The "Level Rch" can be set when "Channel" (B page 85) is set to "Stereo".
Channel Set the signal output from multi-zone.	<u>Stereo</u> : Select stereo output. Mono : Select mono output.
Volume Level Set the volume output level.	 Variable : Volume adjustment is enabled by main unit and remote control unit. -40dB (41) : Fix volume at -40 dB. Set when adjusting volume by external amplifier. OdB (81) : Fix volume at 0 dB. Set when adjusting volume by external amplifier. When "Amp Assign" (12) page 80) is set to "ZONE2" or "ZONE3", the
	"Volume Level" setting is automatically set to "Variable".
Volume Limit Make a setting for maximum volume.	 OFF : Do not set a maximum volume. -20dB (61) / -10dB (71) / 0dB (81) ✓ • This can be set when the multi-zone "Volume Level" setting (☞ page 85) is "Variable".
	 This is displayed from 0 to 99 when "Volume Display" (B page 86) is set to "Absolute".



85

Manual Setup

Setting items	Setting details
Power On Level	Last : Use the memorized setting from the last session.
Define the volume setting	(0) : Always mute when power is turned on.
that is active when the	-80dB - 18dB (1 - 99) : The volume is adjusted to the set level.
power is turned on.	 This can be set when the multi-zone "Volume Level" setting (2 page 85) is "Variable". This is displayed from 0 to 99 when "Volume Display" (2 page 86) is set to "Absolute".
Mute Level	Full : The sound is muted entirely.
Set the amount of	-40dB : The sound is attenuated by 40 dB down.
attenuation when muting	-20dB : The sound is attenuated by 20 dB down.
is on.	

Option Setup

Make various other settings.

Setting items	Setting details		
Volume Control Set the MAIN ZONE (room where the unit is located)	 Volume Display : Set how volume is displayed. <u>Relative</u> : DisplaydB (Min), in the range -80.5 dB - 18 dB. Absolute : Display in the range 0 (Min) - 99. 		
volume setting.			
	• The "Volume Display" setting is applied also to the "Volume Limit" and		
	"Power On Level" display method.		
	• The "Volume Display" setting applies to all zones.		
	Volume Limit : Make a setting for maximum volume.		
	 OFF : Do not set a maximum volume. -20dB (61) / -10dB (71) / 0dB (81) 		
	Power On Level : Define the volume setting that is active when the		
	power is turned on.		
	• Last : Use the memorized setting from the last session.		
	• (0) : Always use the muting on condition when power is turned on.		
	• -80dB - 18dB (1 - 99) : The volume is adjusted to the set level.		
	 Mute Level : Set the amount of attenuation when muting is on. Full : The sound is muted entirely. 		
	• -40dB : The sound is attenuated by 40 dB down.		
	• -20dB : The sound is attenuated by 20 dB down.		
Source Delete	BD/DVD/VCR/SAT/GAME/AUX1/NET/USB/		
Remove from the display			
input sources that are not used.	M-XPort : Select input source that is not used. ON : Use this source.		
4304.	• Delete : Do not use this source.		
	NOTE		
	• Input sources being used in the various zones cannot be deleted.		
	• Input sources set to "Delete" cannot be selected using SOURCE SEL .		
GUI	Screensaver : Make screensaver settings.		
Make the settings related to displays on the TV screen.	• ON : The screensaver is activated during menu display, NET/USB, iPod, SIRIUS or HD Radio screen display if no operation is performed for an approximately 3-minute continuous period. When you press △∇⊲▷, the screensaver is cancelled and the screen before that screen saver started is displayed.		
	• OFF : Screensaver is not activated.		

Default settings are underlined.

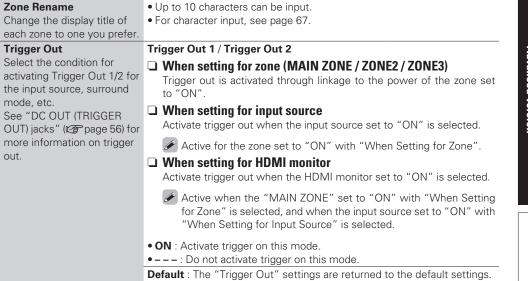




Manual Setup

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Setting details

TUNER : Set the tuner screen display time when the input source is

iPod : Set the iPod screen display time when the input source is "NET/

MAIN ZONE : Use the component 2 output terminal as a monitor output

ZONE2: Use the component 2 output terminal as a monitor output for

• Yes : Reset to the defaults.

"SIRIUS" or "HD Radio".

• OFF : Turn display off.

• OFF : Turn display off.

for MAIN ZONE.

USB".

ZONE2.

• Always : Show display continuously.

• Always : Show display continuously.

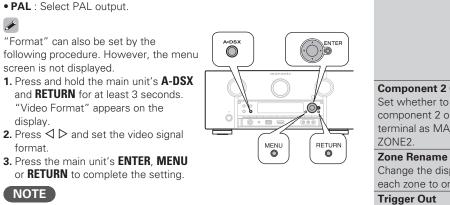
• 30sec : Show display for 30 seconds after operation. • 10sec : Show display for 10 seconds after operation.

• **30sec** : Show display for 30 seconds after operation.

• 10sec : Show display for 10 seconds after operation.

• No · Do not reset to the defaults

RETURN



display.

format.

is stopped, etc.

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Setting items

GUI

(Continued)

When a format other than the video format of the connected TV is set, the picture will not be displayed properly.

Setting details

Wall Paper : Set wallpaper to display in the background when playback

Format : Set the video signal format to be output for the TV you are using.

• **Picture** : Set the background to a picture (Marantz logo).

• Black : Set the background to black.

• NTSC : Select NTSC output.

Text : Display the details of operation when switching surround mode, input mode, etc.

- **ON** : Turn display on.
- **OFF** : Turn display off.

Master Volume : Display the master volume during adjustment.

- Bottom : Display at the bottom.
- Top : Display at the top.
- **OFF** : Turn display off.
- When the master volume display is hard to see when superimposed on movie subtitles, set to "Top".

NET/USB : Set the NET/USB screen display time when the input source is "NET/USB".

- Always : Show display continuously.
- **30sec** : Show display for 30 seconds after operation.
- 10sec : Show display for 10 seconds after operation.
- OFF : Turn display off.

Information



Setting items

Component 2 Output

Set whether to use the

terminal as MAIN ZONE or

component 2 output

Trigger Out

mode, etc.

out.

GUI

(Continued)

Manual Setup

Setting items	Setting details	Setting items		Setting details
Display Set the display on/off setting.	ON : Display is always on. Display Auto OFF : Display is off except when showing the status display. Display OFF : Display is always off. Image: This can also be set by pressing DISPLAY. Each time DISPLAY is pressed, the setting is changed as shown below. ON ON Display OFF Display OFF Display OFF	Firmware Update Update the firmware of the receiver.	Setting details Check for Update : Check for firmware updates. You can also check approximately how long it will take to complete an update. Start : Execute the update process. When updating starts, the power indicator becomes red and the menu screen is shut down. The amount of update time which has elapsed is displayed. When updating is complete, the power indicator becomes green and normal status is resumed. • If updating fails, the set automatically retries, but if updating is still not possible, one of the messages shown below is displayed. If the display reads as shown below, check the settings and network environment, then update again.	
Setup Lock Protect settings from inadvertent change.	 ON : Turn protection on. OFF : Turn protection off. When canceling the setting, set "Setup Lock" to "OFF". NOTE 	_	Display Updating fail Login failed Server is busy Connection fail Download fail	Description Updating failed. Failure to log into server. Server is busy. Wait a while then try again. Failure in connecting to server. Downloading of the firmware has failed.
	When "Setup Lock" is set to "ON", the settings listed below can r longer be changed. Also, "SETUP LOCKED!" is displayed if you attem to operate related settings. · Menu operations · Channel Level · M-DAX · MultEQ [®] XT · Dynamic Volume [®] · Dynamic EQ [®]	Addition i cuture	screen is shut down displayed.	s, the power indicator becomes red and the menu In The amount of update time which has elapsed is complete, the power indicator becomes green and
Maintenance Mode Use when receiving maintenance from a Marantz service engineer or custom installer.	NOTE Only use this function if so instructed by a Marantz serviceperson installer.	 If the upgrade is not successful, an error message identical to those "Firmware Update" will appear on the display. Check the settings and 		

See the Marantz website for details about updates.

When the procedure is complete, "Registered" is displayed in this menu and updates can be carried out. If the procedure has not been carried out, "Not Registered" is displayed.

The ID number shown on this screen is needed when carrying out the procedure. The ID number can also be displayed by pressing and holding ⊲ and **RETURN** for at least 3 seconds.

RETURN







Manual Setup

Notes concerning use of "Firmware Update" and "Add New Feature"

- In order to use these functions, you must have the correct system requirements and settings for a broadband Internet connection (B page 25).
- Do not turn off the power until updating or upgrating is completed.
- Even with a broadband connection to the Internet, approximately 1 hour is required for the updating/ upgrading procedure to be completed.
- Once updating/upgrade starts, normal operations on this unit cannot be performed until updating/ upgrading is completed.
- Furthermore, updating/upgrading the firmware may reset the backup data for the parameters, etc. set for this unit.
- The following backup data may be erased after an update or upgrade.
- Internet radio preset channel
- Internet radio Recently Played data
- Username registered for Flickr Contact
- Data in Internet radio, media server and USB memory device

• If the update or upgrade fails, press and hold the ON/STANDBY on the main unit for more than 5 seconds, or remove and re-insert the power cord. "Update retry" appears on the display and update restarts from the point at which update failed. If the error continues despite this, check the network environment.

- Information regarding the "Firmware Update" function and "Add New Feature" will be announced on the Marantz web site each time related plans are defined.
- When usable new firmware is released with "Firmware Update" or "Add New Feature", a notification message is displayed on the menu screen. When you do not want to be notified, set "Update Notification" (@page 85) and "Upgrade Notification" (@page 85) to "OFF".











ENGLISH

Information

Show information about receiver settings, input signals, etc.

	erver settings, input signals, etc.	
ltems	Setting details	HDMI Information
Status Show information about current settings.	MAIN ZONE This item shows information about settings for MAIN ZONE. The information displayed differs according to the input source. Select Source / Name / Surround Mode / Input Mode / Decode Mode / HDMI / Digital / Component / Video Select / Video Mode / Content Type / Video Convert / i/p Scaler /	Show information about HDMI input/output sign and monitor. Preset Channel
	Resolution / Progressive Mode / Aspect etc.	Show information about
	ZONE2 This item shows information about settings for ZONE2. Power / Select Source / Volume Level	preset channels.
	ZONE3 This item shows information about settings for ZONE3. Power / Select Source / Volume Level	HD Radio
Audio Input Signal Show information about audio input signals.	Surround Mode : The currently set surround mode.Signal : The input signal type.fs : The input signal's sampling frequency.Format : The number of channels in the input signal (front, surround, LFE).Offset : The dialogue normalization correction value.Flag : This is displayed when inputting signals including a surround backchannel. "MATRIX" is displayed with Dolby Digital EX and DTS-ES Matrixsignals, "DISCRETE" with DTS-ES Discrete signals.	
	Dialogue normalization function	
	This function is automatically activated when playing Dolby Digital sources. It automatically corrects the standard signal level for individual program sources. The correction value can be checked using the STATUS .	

Items	Setting details
HDMI Information	HDMI Signal Information
Show information about	Resolution / Color Space / Pixel Depth
HDMI input/output signals and monitor.	HDMI Monitor 1 Information / HDMI Monitor 2 Information Interface / Supported resol.
	"HDMI Monitor 1 Information" or "HDMI Monitor 2 Information" displays information on the HDMI monitor currently being used.
Preset Channel Show information about preset channels.	A / B / C / D / E / F / G A1 – A8 / B1 – B8 / C1 – C8 / D1 – D8 / E1 – E8 / F1 – F8 / G1 – G8
NET/USB SIRIUS HD Radio	

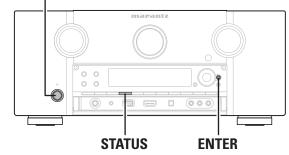
RETURN

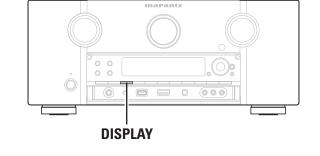
Other settings

Remote control settings

- When you connect a remote control receiver unit (purchased separately) to the REMOTE CONTROL IN terminal of this unit, use the following procedure to disable the remote sensor function of this unit.
- The remote sensor function of remote control signals is enabled by default.

ON/STANDBY





Switches light illumination on/off

You can switch the lighting around the main display on or off.

• The factory setting is "ON".

Press and hold DISPLAY on the main unit for 3 seconds.
Carry out the same procedure if you want to change the settings again.

Disabling the sensor function of the remote control unit

When the main unit is in standby mode, press ON/ STANDBY while holding down STATUS and ENTER on the main unit.

"Remote Lock:ON" is shown on the display, and the infrared light receiving function is disabled.

D Enabling the remote sensor function

When the main unit is in standby mode, press ON/ STANDBY while holding down STATUS and ENTER on the main unit.

The infrared light receiving function on the main unit is enabled.

NOTE

If a remote control receiver unit (purchased separately) is not connected, do not perform this setting. If you do, you will not be able to operate this unit using the remote control unit.

NOTE

of this unit

Operating the connected devices by remote control unit

Registering the supplied preset codes in the remote control unit enables you to operate devices made by other manufacturers.

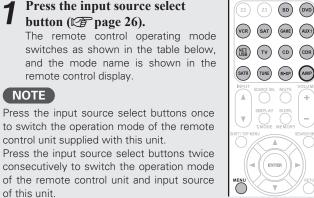
Operating AV equipment

Press the input source select button (P page 26).

The remote control operating mode switches as shown in the table below. and the mode name is shown in the remote control display.

Press the input source select buttons once

control unit supplied with this unit.



Input source select buttons	Input source of this unit	Devices controllable with the remote control unit (Operation mode)
BD *	BD	Device registered on the BD button
DVD *	DVD	Device registered on the DVD button
VCR	VCR	Device registered on the VCR button
SAT *	SAT	Device registered on the SAT button
GAME	GAME	Device registered on the GAME button
AUX1	AUX1	Device registered on the AUX1 button
	NET/USB	 Network function iPod or USB memory device connected to the USB port
(TV) *	TV	Device registered on the TV button
(CD) *	CD	Device registered on the CD button
CDR	CDR	Device registered on the CDR button
SATR	SIRIUS	SIRIUS Satellite Radio
TUNE	HD Radio	HD Radio receiver
M-XP	M-XPort	Device registered on the M-XP button

* If a preset code is registered for this button, the remote control unit of this unit can control another devices.

NOTE

If the mode of the remote control unit is set to other than ampoperation mode, press **AMP** to switch the remote control unit to the amp-operation mode to perform the following operations:

- For menu operation by pressing **MENU**
- For setting the channel level of the unit by pressing CH LVL
- For performing direct playback
- For switching Audyssey DSX[™], MultEQ XT[®], Dynamic EQ[®] and Dynamic Volume[®] settings.
- For using the Video Select function.
- For using the sleep timer function.
- For displaying the Source Select screen.
- For switching the M-DAX function.

• For directly selecting "AUTO" and "STEREO" of the listening modes.

• Operate this unit or the device whose input source is **C** switched.

• For details, refer to the operating instructions for each device. For operations of iPod and HD Radio receiver, see the following pages.

- iPod (P page 28)
- HD Radio receiver (12 page 31)

Simple version

Basic version

Registering preset codes

When preset codes are registered in the included remote control unit, it can then be used to operate any devices you have, such as DVD players or TVs made by different manufacturers.

NOTE

- No preset codes other than BD, DVD, TV, SAT and CD can be registered.
- In the factory settings, remote control codes for all Marantz products are registered.

Buttons used for operating the devices

① SOURCE ON/OFF

For switching power of each device on or off. (2) $\Delta \nabla \triangleleft \triangleright$, ENTER

For menu operation of each device. **3 MENU, SETUP, TOP MENU** For displaying the menu of each device.

- (5) Number button (0 9, +10)
- 6 PRESET +, PRESET -
- **(7) TV POWER, TV INPUT**

For operating a TV. This button is enabled in any mode.

For details on operation with the remote control unit, see pages 29 - 45, 94.

Registering preset codes

The following two methods can be used for registering the reset code. 1) Entering a 4-digit code

2 Scanning the code table

same code again.

1 Entering a 4-digit code

See the preset code list table for the code to be input.

Press and hold down the input source select buttons for the appliance to control, and press **SET** until **b** indicator blinks twice. The back light flashes. Press the 4-digit code for the appliance using the numeric buttons (code table at the end of this book). • The 4-digit code is shown in the remote control display. When the settings are complete, "OK" is shown in the remote control display. • If "NG" is displayed in the remote control display, repeat steps 1 and 2, and enter the



(2)Scanning the code table

- Switch the power on of the device for which you want to set the preset code. Press and hold down the input source select buttons for the appliance to control, and press **SET** until **•** indicator blinks twice. The back light flashes. Aim the remote control at the appliance and slowly alternate between pressing **INPUT** and SOURCE ON/OFF for the appliance. The preset code is shown in the remote control display. Stop when the appliance turns off. Press ENTER once to lock in the code. Check the registered preset code Press and hold down the input source select buttons for (HDMI) (A/D) (TONE) (A/B appliance to control, and press SET until **b** indicator blinks twice and back light flashes. The back light flashes.
 - Press SEARCH/INFO. The ê display flashes twice, after which the set code is shown for 3 seconds in the remote control display.





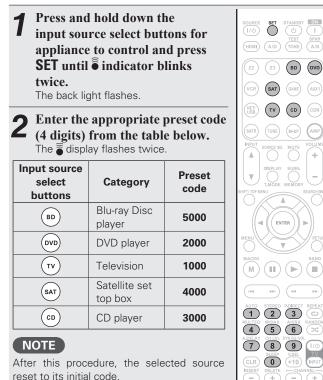
(cd)

(SAT)

Registering preset codes

Default settings for preset codes

The devices shown below are registered for each input source button as default. Settings can be changed according to the devices to be used.



Operating components

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The supplied remote control unit can control a component other than this unit.

Switch the input source (B) page 26).		
2 Operate the component.	NETI USB TV CD	
For details, refer to the component's operating instructions.	SATR TUNE M-XP	

□ Blu-ray Disc player / HD-DVD player / **DVD** player / **DVD** recorder operation

Operation buttons	Function
SOURCE ON/OFF	Power on/standby
MENU	(Popup) Menu
TOP MENU	Top menu
	Cursor operation
ENTER	Enter
	Manual search
	(fast-reverse/fast-forward)
	Playback
	Auto search (cue)
II	Pause
	Stop
0 - 9	Select title, chapter or channel selection
CLR	Clear the inputting
TV POWER	TV power on/standby (Default : Marantz)
TV INPUT	Switch TV input (Default : Marantz)

CD player / CD recorder operation

Operation buttons	Function
SOURCE ON/OFF	Power on/off
	Manual search (fast-reverse/fast-forward)
	Playback
	Auto search (cue)
	Pause
	Stop
CLR	Clear the inputting
TV POWER	TV power on/standby (Default : Marantz)
TV INPUT	Switch TV input (Default : Marantz)

TV operation

DVD

AUX1

CDR

AMP

mapantz RC011SR

(** **) (** **

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marantz RC011SR

	Operation buttons	Function
	SOURCE ON/OFF	TV power on/standby
JECE SET STANDERY	SUUNCE UN/UFF	(Default : Marantz)
DHI) A/D TONE A/B	CHANNEL +, -	Switch channels (up/down)
22 (23 (80 (990)	CLR	Clear the inputting
(R) (SAT) (DAWE) (AUX1)	TV POWER	TV power on/standby
	IVFUVEN	(Default : Marantz)
TR (TURE) (N-XP) (ANP)	TV INPUT	Switch TV input
	IVINPUT	(Default : Marantz)

Operating components

□ Set top box for satellite (SAT) operation

I/O O

HDM A/D

VOR SAT

(TV)

- + - +

mapantz RC011SR

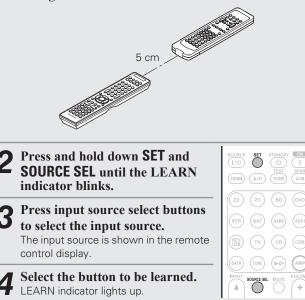
	Operation buttons	Function
L	SOURCE ON/OFF	Power on/standby
	CHANNEL +, –	Switch channels (up/down)
		Cursor operation
	ENTER	Enter
L	0 - 9	Channel selection
	CLR	Clear the inputting
L	TV POWER	TV power on/standby
		(Default : Marantz)
	TV INPUT	Switch TV input
		(Default : Marantz)

Operating learn function

- If the AV device is not a Marantz device, or if the device does not operate even when the preset code is registered, use the learning function. Remote codes for different devices can be remembered for use by the Marantz remote control included with this device.
- This remote control unit is capable of learning around 160 codes.

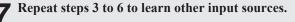
Remembering remote control codes from other devices

- Place the Marantz remote control and remote control
- from the other device approximately 5 cm apart, with the remote control signal transmission sections facing each other.



- **5** Press and hold the button that you want to register on the other remote control until "OK" is displayed on the other remote control until "OK" is displayed on the Marantz remote control display.
- If "NG" is shown on the remote control display, perform step 5 again. If "NG" is shown again on the remote control display, the remote control may not be able to learn the code correctly. In this case, use the specialized remote control for the device.
- If the remote control memory becomes full, "FULL" is shown on the remote control display. If you want to learn the code, you should erase other learned button.

Repeat steps 4 and 5 to learn other buttons for the 6 same input source.



When programming of the remote control unit is 0 completed, press **SET**.

The LEARN display disappears, and the remote control unit exits learn mode.

Ο

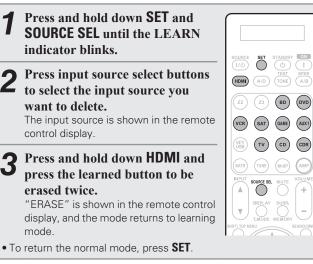
- The learning function is unavailable for all SOURCE ON/OFF, MACRO and HDMI in any mode.
- The learning function is unavailable for all buttons in SATR mode, TUNER mode, AMP mode, NET/USB mode and M-XP mode.
- The learning procedure does not operate correctly if the batteries have become worn.
- If no buttons are pressed for approximately 1 minutes while in the LEARN mode, the remote control unit automatically exits from the LEARN mode.

Operating learn function

Delete saved remote control codes

Codes can be erased in three ways: by buttons, sources, and by all memory contents.

Delete remote control codes for each button



Delete remote control codes for each input

SET

(TUNE) (M-XP)

SOURCE SEL

VCR

source

Press and hold down SET and **SOURCE SEL** until the LEARN indicator blinks.

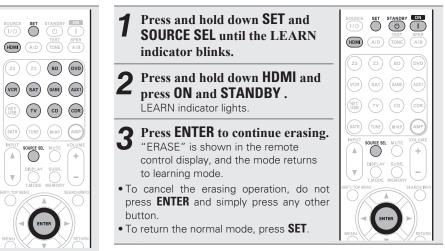
Press and hold down HDMI and press the learned input source select buttons to be erased twice. "ERASE" is shown in the remote control display.

3 Press ENTER to continue erasing. The a indicator blinks twice and the mode returns to LEARN mode.

• To cancel the erasing operation, do not press ENTER, and simply press any other button.

• To return the normal mode, press SET.

Delete remote control codes for all input sources



NOTE

Erasing codes will return to the factory preset code, or there will leave empty if the button has no factory preset code.

Operating macro function

- When the macro function is used, operations that usually require a complicated series of multiple button operations can be performed easily just by pressing the **MACRO** button.
- This device can remember up to 6 macro functions.
- Each macro can record a maximum of 10 steps.

[Example] To playback a DVD

1 Turn this unit's power on

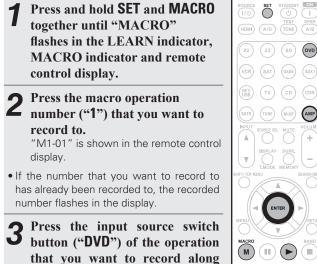
(2)Switch this unit's input source to DVD

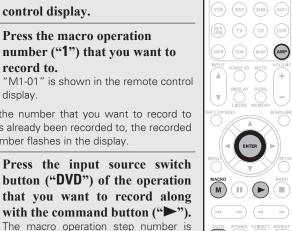
3 Turn the TV's power on

(4) DVD Playback

Recording macro operations

[Example] Recording DVD playback operations to the number "1" button



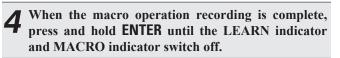


ON

DVD

• To record the amp input source, press AMP first, followed by the input source switching button.

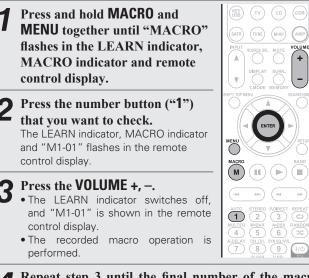
shown in the remote control display.



The **RETURN**, $\Delta \nabla \triangleleft \triangleright$, **ENTER**, **VOLUME +**, – and **CLR** buttons cannot be recorded as macro operations.

Checking recorded macro operations

[Example] Checking the recorded macro operations to button "1"



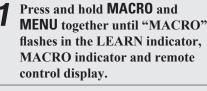
Repeat step 3 until the final number of the macro operation is displayed.

- The display returns to that of step 1.
- When the macro operation number is displayed, the corresponding macro operation is performed.

When the macro operation check is complete, press and hold ENTER until the MACRO indicator switches off.

Editing recorded macro operations

[Example] Changing macro operation "1" recorded on number button ">" to "II", and changing the number button to"2"



Press the number button ("1") L that you want to change.

The LEARN indicator, MACRO indicator and "M1-01" flashes in the remote control display.

Press $\Delta \nabla$ to select the macro operation button ("2") to edit. After the macro operation button is displayed, the recorded operation is performed.



8

(CLR)

- When the macro operation is updated as a recorded step, press the input source switching button, and then press the new step button ("2"). • To insert a new macro operation between recorded steps, after
- performing step 3, press **MEMORY** and then press the new step button ("2").

When a new step is introduced, if the total number of steps is already 10, the 10th step is deleted after the new step is introduced.

• To delete recorded macro operations, after step 3, call the step number that you want to delete, and press CLR.

• To return to step 1, press ENTER.

Basic version

When the macro operation edit is complete, press and hold ENTER until the MACRO indicator switches off.

Operating macro function

Using macro operations

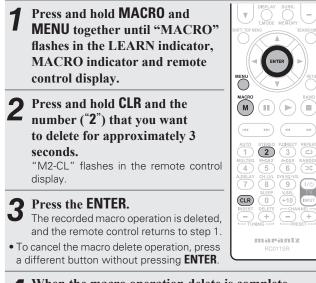
[Example] Using the recorded macro operations to button "1"

Press the **MACRO**. "MACRO" is shown in the MACRO indicator and remote control display. MACRO Press the number button ("1") that you want to use. Macro operations recorded to number 5 button "1" are performed one at a time. 8 H • The step number shown in the remote SLEEP control display disappears after the step is DELETE performed. • When all macro operations are completed,

the remote control returns to the amp operation mode.

Deleting recorded macro operations

[Example] Deleting the macro operations recorded to button"2"



When the macro operation delete is complete, press and hold ENTER until the MACRO indicator switches off.

98



marant7

Adjusting the interval time of macro operations transmitting

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M

The macro operation transmission interval can be adjusted. • The factory setting is "1 second".

Press and hold MACRO and **SOURCE SEL** until "SETUP" is shown in the remote control display.

"SETUP" is shown for 3 seconds in the remote control display, after which "MCR05z" is displayed.

* The current transmission interval is shown.

Press $\triangleleft \triangleright$ to change to the desired transmission interval.

• The interval time can be changed from 0.5 to 5 seconds by 0.5 seconds step.

3 When the adjustment is complete, press and hold ENTER until the MACRO indicator switches off.

Setting the back light

Press the Light button on the side of the remote control, and the buttons on the remote control light for 2 seconds. If the Light button is pressed while the buttons are lit, the buttons remain lit for another 2 seconds.

• Backlight is set on in the factory settings.

Disabling the backlight

Press and hold both SET and **STANDBY** until **b** indicator flashes twice.



□ Turning the backlight on

Press and hold both SET and ON until **b** indicator flashes twice.



Information

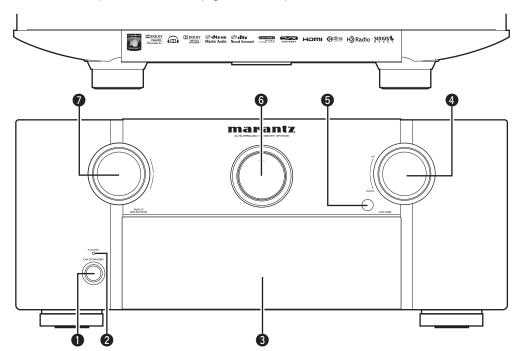
Here, we list various information related to this unit. Please refer to this information as needed.

- Part names and functions page 100
- Other information 🖙 page 105
- Troubleshooting
 page 114
- Specifications 😰 page 118
- Index 🕼 page 119

Part names and functions

Front panel

For buttons not explained here, see the page indicated in parentheses ().



4 VOLUME control knob (27)

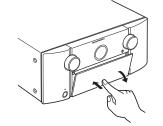
5 Remote control sensor(104)

6 Main display(101)

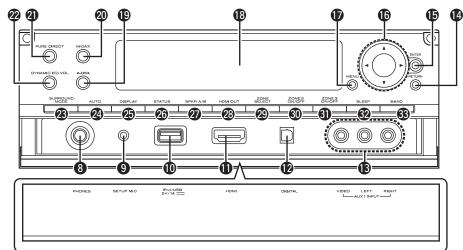
INPUT SELECTOR knob (26)

Power operation button (ON/STANDBY)(7, 12)

When you are using buttons and/or terminals behind the door, press the bottom of the door to open it. When not using buttons and/or terminals behind the door, close it. Be careful not to catch your fingers when closing the door.



[With the door open]



8 Headphones jack

When the headphones are plugged into this jack, audio will no longer be output from the connected speakers or from the PRE OUT connectors.

NOTE

To prevent hearing loss, do not raise the volume level excessively when using headphones.

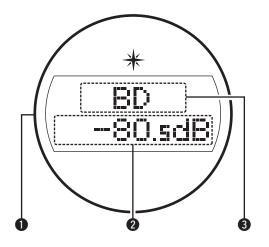
, , ,
9 SETUP MIC jack
(20) (20)
1 HDMI connector (16)
DIGITAL connector(19)
BAUX1 INPUT connectors(19)
(BRETURN button
(b ENTER button
ⓑ Cursor buttons (△▽< ▷)
(66) (66)
(101) (101)

B Audyssey DSX [™] button (A-DSX) ·········(77)	
M-DAX button / indicator (78)	
PURE DIRECT button / indicator (48)	
Dynamic EQ [®] /Dynamic Volume [®] button (DYNAMIC EQ/VOL)	
SURROUND MODE button	
AUTO button	
DISPLAY button	
STATUS button	
Speaker A/B switching button (SPKR A/B)(27)	
B HDMI OUT button (16)	
ONE SELECT button (64)	
OZONE2 ON/OFF button	
ZONE3 ON/OFF button (64)	
SLEEP button	
BAND button	

Display

Main Display

Sub Display



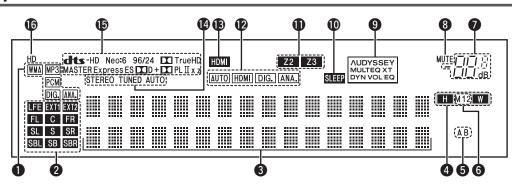
Light illumination

When the power to this device is switched on, the surrounding area is lit blue. The settings can be changed so the light does not switch on (127) page 91 "Switches light illumination on/off").

2 Master volume indicator

3 Input source indicator

The currently selected input source name is displayed. If the input source name has been changed using "Input Setup" – "Rename" (127 page 73) in the menu, the input source name after the change is displayed.



Input signal indicators

Input signal channel indicators

These light when digital signals are input.

When playing HD Audio sources, the **EXII** indicator lights when a signal from an extension channel (a channel other than the front, center, surround, surround back or LFE channel) is input. If there are two or more extension channels, the **EXII** and **EXII** indicators light.

3 Information display

The input source name, surround mode, setting values and other information are displayed here.

Front height/front wide channel indicators

When audio is output from the front height channels, the "H" indicator lights. When audio is output from the front wide channels, the "W" indicator lights.

5 Front speaker indicator

This lights according to the setting of the front A and B speakers.

6 Monitor output indicator

These light according to the HDMI monitor output setting.

7 Master volume indicator

8 MUTE indicator

This lights when the mute mode is select (127 page 27).

9 AUDYSSEY indicators

Lighting is as follows, depending on the setting of "Dynamic EQ[®]" (\mathcal{D} page 76) and "Dynamic Volume[®]" (\mathcal{D} page 77).

AUDYSSEY MULTEG XT DYN VOL When "Dynamic EQ" and "Dynamic Volume" are "ON".

AUDYSSEY MULTEQ XT DVN EQ Volume" is "OFF".

MUDYSSEY MULTEQ XT WOFF".

Sleep timer indicator

This lights when the sleep mode is selected (127 page 58).

Multi-zone indicators

This lights up when ZONE2, ZONE3 (separate room) power is turned on (1297 page 64).

Dinput mode indicators

B HDMI indicator

Set the audio input modes for the different input sources (127 page 73).

This lights when playing using HDMI connections.

W Tuner reception mode indicators

These light according to the reception conditions when the input source is set to "HD Radio".

 $\ensuremath{\textbf{STEREO}}$: In the FM mode, this light when receiving stereo broadcasts.

TUNED : Lights when the broadcast is properly tuned in. **AUTO** : This light when in the auto tuning mode.

Decoder indicators

These light when the respective decoders are operating.

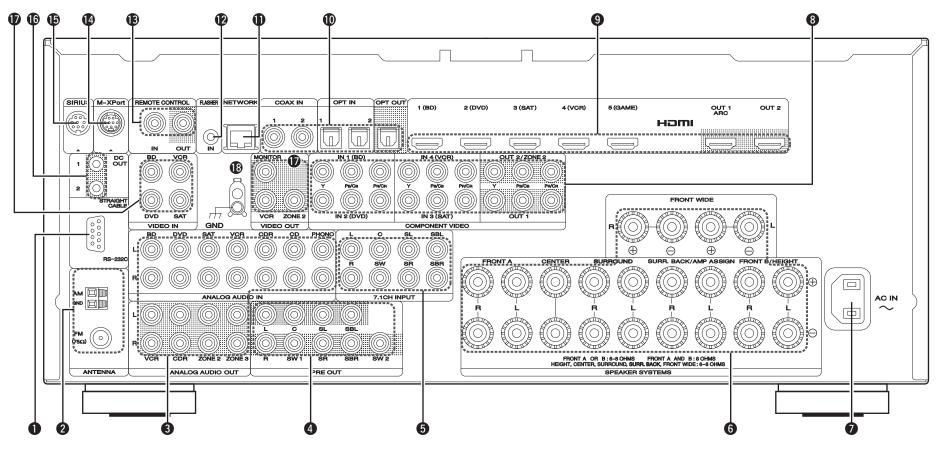
10 HD indicator

This light during HD Radio reception.

Simple version

<u>Rear panel</u>

See the page indicated in parentheses ().



D RS-232C connector (56)	
2 HD Radio antenna terminals	
3 Analog audio connectors (17 – 21, 24)	
PRE OUT connectors (6, 24, 51 – 53)	
5 7.1CH INPUT connectors	(
6 Speaker terminals(6, 51 – 53)	(
7 AC inlet (AC IN) (6)	(
B COMPONENT VIDEO connectors (17 – 19)	(
9 HDMI connectors (16)	(
Digital audio connectors(17 – 21)	(

D NETWORK connector (25)	
🕑 FLASHER IN jack	D
Used when using a control BOX or other such control devices to control this unit.	E
BREMOTE CONTROL jacks	
W M-XPort jack	
B SIRIUS connector (22)	
(56) DC OUT jacks	

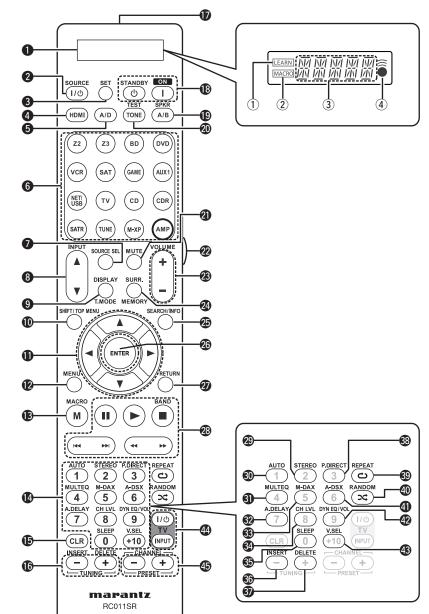
VIDEO connectors (17 – 19) SIGNAL GND terminal (21)

NOTE

Do not touch the inner pins of the connectors on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

Remote control unit

For buttons not explained here, see the page indicated in parentheses ().



Display ①LEARN indicator ······(95) ②MACRO indicator ······(97)	 Weight System buttons … (29, 30, 38 – 41, 43, 45, 94) Pause button (■) Play button (►)
③Information display	• Stop button ()
ⓐ indicator	• Skip buttons (III, >>)
SOURCE power button	 Search buttons (◄◄, ►►)
SET button	FM/AM band switching button (BAND) (33)
HDMI button	STEREO button (48)
nput mode button (A/D)(73)	③ AUTO buttons
nput source select buttons	() MULTEQ [®] button (76)
Source select button (SOURCE SEL) (26)	Audio delay button (A.DELAY) (78)
INPUT buttons (▲, ▼)	3 M-DAX button (78)
DISPLAY/	Channel level button (CH LVL)
Tuner mode (T.MODE) button	3 SLEEP button (58)
SHIFT/TOP MENU button(32, 37, 67)	36 INSERT button (67)
Cursor buttons ($\triangle \nabla \triangleleft \triangleright$)	③ DELETE button
MENU button (68)	Pure direct button (P.DIRECT) (48)
MACRO button	③ REPEAT button
Number buttons	(29, 30) (29, 30)
Clear button (CLR)	4 Audyssey DSX button (A-DSX)
TUNING buttons (+, –)	Oynamic EQ [®] /Dynamic Volume [®] button
Remote control signal transmitter	(DYN EQ/VOL)
Power buttons (ON, STANDBY)(7, 12)	Wideo select button (V.SEL) (71)
Speaker A/B button (SPKR A/B)	TV operation buttons
TEST TONE button	(TV POWER / INPUT)
Muting button (MUTE)(27)	CHANNEL/ PRESET buttons (+, -)
Light button (98)	PRESET Duttons (+, -) (32, 38, 94)
Master volume control buttons	
(VOLUME +, –)·	
Surround mode (SURR.) / MEMORY button	
SEARCH/	
Information (INFO) button (28, 32, 68)	
ENTER button	
RETURN button	

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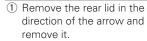
27

Simple version

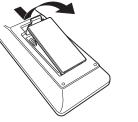
Information

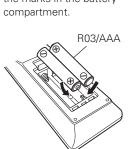
Remote control unit

Inserting the batteries



② Load the two batteries properly as indicated by the marks in the battery





③ Put the rear cover back on.

NOTE

- Insert the specified batteries in the remote control unit.
- Replace the batteries with new ones if the set does not operate even when the remote control unit is operated close to the unit. (The supplied batteries are only for verifying operation.)
- When inserting the batteries, be sure to do so in the proper direction, following the ⊕ and ⊖ marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
- Do not use a new battery together with an old one.
- Do not use two different types of batteries.
- Do not attempt to charge dry batteries.
- Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- Do not keep the battery in a place exposed to direct sunlight or in places with extremely high temperatures, such as near a heater.
- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- Remove the batteries from the remote control unit if it will not be in use for long periods.
- Used batteries should be disposed of in accordance with the local regulations regarding battery disposal.

...

Approx. 23 ft /7 m

NOTE

The set may function improperly or the remote control unit may not operate if the remote control sensor is exposed to direct sunlight, strong artificial light from an inverter type fluorescent lamp or infrared light.

30°

Operating range of the remote control unit

Point the remote control unit at the remote sensor when operating it.

Other information

DOLBY "Made for iPod" and "Made for □ Trademark information (☞ page 105) iPhone" mean that an electronic TRUE accessory has been designed to □ Surround (12 page 106) connect specifically to iPod, or **□** Relationship between video signals and monitor iPhone, respectively, and has been PRO LOGIC IIz output (C page 110) Manufactured under license from certified by the developer to meet Dolby Laboratories. "Dolby", "Pro Apple performance standards. **Explanation of terms** (page 111) Logic" and the double-D symbol are Apple is not responsible for the trademarks of Dolby Laboratories. operation of this device or its compliance with safety and regulatory **Trademark information** standards. **DOLBY** Made for **□**iPod **□**iPhone iPhone, iPod, iPod classic, iPod nano, VIRTUAL SPEAKER This product uses the following technologies: iPod shuffle, and iPod touch are trademarks of Apple Inc., registered Manufactured under license from in the U.S. and other countries. Manufactured under license under Audyssey Laboratories™. U.S. and • Individual users are permitted to U.S. Patent #'s: 5,451,942; 5,956,674; foreign patents pending. Audyssey use iPhone, iPod, iPod classic, 5,974,380; 5,978,762; 6,226,616; MultEO[®] XT is a registered trademark NUDYSSEY iPod nano, iPod shuffle, and iPod 6,487,535; 7,212,872; 7,333,929; of Audyssey Laboratories. Audyssey MULTEQ XT touch for private copy and playback 7,392,195; 7,272,567 & other U.S. Dynamic EQ[®] is a registered DYNAMIC VOLUME Cdts-HD of non-copyrighted contents and and worldwide patents issued & trademark of Audyssey Laboratories. contents whose copy and playback Master Audio pending. DTS and the Symbol are Audyssey Dynamic Volume[®] is a is permitted by law. Copyright registered trademarks, & DTS-HD, registered trademark of Audyssev **AUDYSSEY** infringement is prohibited by law. DTS-HD Master Audio, and the DTS Laboratories. Audyssev Dynamic logos are trademarks of DTS. Inc. Surround Expansion[™] is a trademark SIRIUS, XM and all related marks and Product includes software. © DTS, of Audyssey Laboratories. logos are trademarks of Sirius XM Inc. All Rights Reserved. Radio Inc. and its subsidiaries. All DLNA[®], the DLNA Logo and DLNA Manufactured under license from rights reserved. CERTIFIED[®] are trademarks, service DTS Licensing Limited. DTS and the Service not available in Alaska and marks, or certification marks of the Symbol are registered trademarks, Hawaii. Digital Living Network Alliance. **etts** & DTS Neural Surround and the DTS Device Class: DMP (Digital Media Neural Surround logos are trademark of DTS. Inc. Player) This item incorporates copy protection technology that is protected Product includes software. © DTS. DLNA Certified[®] Product Function: Inc. All Rights Reserved. by U.S. patents and other intellectual property rights of Rovi FINDS, PLAYS Corporation. Reverse engineering and disassembly are prohibited HDMI, the HDMI Logo and High-Content Type: audio, images, videos Definition Multimedia Interface are (Check supported media formats.) HOMI trademarks or registered trademarks DLNA consumer website: www.dlna. of HDMI Licensing LLC in the United org States and other countries. Some content may not be compatible HD Radio[™] Technology with other DLNA Certified[®] products Manufactured Under License From (example: optional media formats) H) Radio[®] iBiguity Digital Corp. U.S. and Foreign Patents. HD Radio[™] and the HD Radio are proprietary trademarks of

iBiquity Digital Corp.

Simple version

Surround

This unit is equipped with a digital signal processing circuit that lets you play program sources in the surround mode to achieve the same sense of presence as in a movie theater.

Surround modes and parameters

This table shows the speakers that can be used in each surround mode and the surround parameters adjustable in each surround mode.

Symbols in the table

 \bigcirc This indicates the audio output channels or surround parameters that can be set.

◎ This indicates the audio output channels. The output channels depend on the settings of "Speaker Config." (127 page 80).

				Channel output					Surround Parame	ter (🖙 page 75)	
Surround mode (🖙 page 46)	Front L/R	Center	Surround L/R	Surround back L/R	Front height L/R	Front wide L/R	Subwoofer	HT-EQ * 5 (1237 page 75)	DRC * 6 (127 page 75)	D. Comp * 7 (127 page 75)	LFE * 8 (127 page 75)
PURE DIRECT (2channel)	0						◎*4		0	0	
PURE DIRECT (Multi-channel)	0	0	0	©*1	○ *1	©*1	0		0	0	0
DIRECT (2channel)	0						◎*4		0	0	
DIRECT (Multi-channel)	0	0	0	©*1	○ *1	©*1	0		0	0	0
STEREO	0						O	0	0	0	0
MULTI CH IN	0	O	O	0			0	0			0
DOLBY PRO LOGIC IIz	0	O	O		O		O	0	0	0	
DOLBY PRO LOGIC IIx	0	0	O	0			0	0	0	0	
DOLBY PRO LOGIC II	0	O	O				O	0	0	0	
DOLBY PRO LOGIC II A-DSX	0	0	0		⊚*2	◎*3	0	0	0	0	
DTS NEO:6	0	O	O	O			O	0	0	0	
DTS NEO:6 A-DSX	0	O	O		⊚*2	◎*3	O	0	0	0	
Audyssey DSX	0	O	O		⊚*2	◎*3	O	0	0	0	0
DOLBY DIGITAL	0	O	O	0	O		O	0		0	0
DOLBY DIGITAL Plus	0	O	O	O	O		O	0		0	0
DOLBY TrueHD	0	O	O	0	O		0	0	0		0
DTS SURROUND	0	O	O	0	O		O	0		0	0
DTS 96/24	0	O	O	0	O		0	0		0	0
DTS-HD	0	O	O	0	O		O	0		0	0
DTS Express	0	O	O	0	0		0	0		0	0
MULTI CH STEREO	0	O	O	0			0	0		0	0
NEURAL	0	O	O	0			0	0			
DOLBY VIRTUAL SPEAKER	0						0	0			
DOLBY HEADPHONE	0										

*1 A signal for each channel contained in an input signal is output as audio.

*2 If "Audyssey DSX" (@ page 77) is set to "ON-Height-", sound is output from the front height speakers.

*3 If "Audyssey DSX" (@page 77) is set to "ON-Wide-", sound is output from the front wide speakers.

*4 Only when "Subwoofer Mode" is set to "LFE+Main" (127 page 81), sound is output from the subwoofer.

*5 For HD Audio whose sampling frequency of an input signal is more than 96 kHz, this sound parameter cannot be set.

*6 This item can be selected when a Dolby TrueHD signal is played.

*7 This item can be selected when a Dolby Digital or DTS signal is played.

*8 This item can be selected when a Dolby Digital or DTS signal or DVD-Audio is played.

											Surround
		Surro	ound Parameter (🖅 pa	ge 75)							
Surround mode (🖙 page 46)	Height Gain	PRO	LOGIC II/IIx Music mod	le only	NEO:6 Music mode only	Tone *9	Audyss	ey Settings * 10 (🖅		Audyssey DSX™ Soundstage	M-DAX *13
	(CP page 75)	Panorama (🖙 page 75)	Dimension (🖙 page 75)	C.Width (🖙 page 75)	C.Image (🖙 page 75)	(🖅 page 75)	MultEQ [®] XT (🖙 page 76)	Dynamic EQ [®] ★ 1 1 (☞ page 76)	Dynamic Volume [®] ★ 12 (tœr page 77)	* 10 (🖙 page 77)	(🖙 page 78)
PURE DIRECT (2 channel)											
PURE DIRECT (Multi-channel)											
DIRECT (2 channel)											
DIRECT (Multi-channel)											
STEREO						0	0	0	0		0
MULTI CH IN						0	0	0	0	0	
OOLBY PRO LOGIC IIz	0					0	0	0	0		0
OLBY PRO LOGIC IIx		0	0	0		0	0	0	0	0	0
OOLBY PRO LOGIC II		0	0	0		0	0	0	0	0	0
OOLBY PRO LOGIC II A-DSX		0	0	0		0	0	0	0	0	0
DTS NEO:6					0	0	0	0	0	0	0
DTS NEO:6 A-DSX					0	0	0	0	0	0	0
Audyssey DSX						0	0	0	0	0	
DOLBY DIGITAL						0	0	0	0	0	
DOLBY DIGITAL Plus						0	0	0	0	0	
DOLBY TrueHD						0	0	0	0	0	
DTS SURROUND						0	0	0	0	0	
DTS 96/24						0	0	0	0	0	
DTS-HD						0	0	0	0	0	
DTS Express						0	0	0	0	0	
MULTI CH STEREO						0	0	0	0		0
NEURAL						0	0	0	0		0
DOLBY VIRTUAL SPEAKER						0	0	0	0		0
DOLBY HEADPHONE						0	0	0	0		0

*9 This item cannot be set when "Dynamic EQ" (@ page 76) is set to "ON".

*10 For HD Audio whose sampling frequency of an input signal is more than 96 kHz, this sound parameter cannot be set.

*11 This item cannot be set when "MultEQ XT" (12) page 76) is set to "OFF" or "Manual".

*12 This item cannot be set when "Dynamic EQ" (P page 76) is set to "OFF".

*13 This item can be set when the input signal is analog, PCM 48 kHz or 44.1 kHz.

Surround

U Types of input signals, and corresponding surround modes

This table shows the input signal that can be played in each surround mode. Check the audio signal of the input source then select the surround mode.

Symbols in the table

 \bigcirc This indicates the selectable surround mode.

									Input sig	nal types and	formats							
			PI	CM	DTS	S-HD			DTS			DO	ILBY		[OLBY DIGITAL	-	
Surround mode (🎓 page 46)	NOTE	ANALOG	LINEAR PCM (multi ch)	LINEAR PCM (2ch)	DTS-HD Master Audio	DTS-HD High Resolution Audio	DTS EXPRESS	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1/5/4ch)	DOLBY DIGITAL (4/3ch)	DOLBY DIGITAL (2ch)
DTS SURROUND																		
DTS-HD MSTR	*5				\bigcirc													
DTS-HD HI RES	*5					0												
DTS ES DSCRT6.1	*1*3							0										
DTS ES MTRX6.1	*1*3								0									
DTS SURROUND	*5							0	0	0								
DTS 96/24	*5										0							
DTS (–HD) + PLIIx MOVIE	*2*3				0	0	0	0	0	0	0							
DTS (-HD) + PLIIx MUSIC	*1*3				0	0	0	0	0	0	0							
DTS (–HD) + PLIIz	*4				0	0	0	0	0	0	0							
DTS EXPRESS	*5						0											
DTS (-HD) + NEO:6	*1*3				0	0	0		0	\bigcirc	0							
DTS NEO:6 CINEMA	*5	0		0														0
DTS NEO:6 MUSIC	*5	0		0														0
DTS NEO:6 CINEMA A-DSX		0		0														0
DTS NEO:6 MUSIC A-DSX		0		0														0
Audyssey DSX					0	0	0	0	0	0	0							
DOLBY SURROUND																		
DOLBY TrueHD	*5											0						
DOLBY DIGITAL+	*5												0					
DOLBY DIGITAL EX	*1*3													0	0	0	0	
DOLBY (D+) (HD) +EX	*1*3											0	0					
DOLBY DIGITAL	*5													0	0	0	0	
DOLBY (D) (D+) (HD) +PLIIx MOVIE	*2*3											0	0	0	0	0	0	
DOLBY (D) (D+) (HD) +PLIIx MUSIC	*1*3											0	0	0	0	0	0	
DOLBY (D) (D+) (HD) +PLIIz	*4											0	0	0	0	0	0	
DOLBY PRO LOGIC IIx MOVIE	*1*3	0		0														0
DOLBY PRO LOGIC IIx MUSIC	*1*3	0		0														0
DOLBY PRO LOGIC IIx GAME	*1*3	0		0														0
DOLBY PRO LOGIC IIz	*4	0		0														0
DOLBY PRO LOGIC II MOVIE	*5	0		0														0
DOLBY PRO LOGIC II MUSIC	*5	0		0														0
DOLBY PRO LOGIC II GAME	*5	0		0														0

*1 If "Speaker Config." – "S.Back" (127 page 80) is set to "None", this surround mode cannot be selected.

*2 If "Speaker Config." - "S.Back" (12 page 80) is set to "1spkr" or "None", this surround mode cannot be selected.

*3 This surround mode can be selected when "Amp Assign" (127 page 80) is set to "Normal".

*4 If "Speaker Config." - "F.Height" (@ page 80) is set to "None", this surround mode cannot be selected.

*5 The same was when "Audyssey DSX™" (@ page 77) setting is set to "ON".

																	S	Gurround	
									Input sig	nal types and	d formats								Sin
			P	CM	DT	S-HD			DTS	,,		DO	ILBY			DOLBY DIGITA	L		nple
Surround mode (1297 page 46)	NOTE	ANALOG	LINEAR PCM (multi ch)	LINEAR PCM (2ch)	DTS-HD Master Audio	DTS-HD High Resolution Audio	DTS EXPRESS	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY TrueHD	DOLBY DIGITAL Plus	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1/5/4ch)	DOLBY DIGITAL (4/3ch)	DOLBY DIGITAL (2ch)	Simple version
DOLBY SURROUND																			
DOLBY PRO LOGIC II MOVIE A-DSX	1	0		0														0	
DOLBY PRO LOGIC II MUSIC A-DSX		0		0														0	
DOLBY PRO LOGIC II GAME A-DSX		0		0														0	
Audyssey DSX												0	0	0	0	0	0		Ba
DOLBY VIRTUAL SPEAKER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Basic
DOLBY HEADPHONE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	VE
MULTI CH IN	1																		version
MULTI CH IN	*5		0																ION
MULTI CH IN + PLIIx MOVIE	*2*3		0																
MULTI CH IN + PLIIx MUSIC	*1*3		0																
MULTI CH IN + PLIIz	*4		0																
MULTI CH IN + Dolby EX	*3		0																
MULTI CH IN 7.1	*3		(7.1)																
Audyssey DSX			0																
DIRECT																			
DIRECT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PURE DIRECT	1																		Ac
PURE DIRECT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Iva
MULTI CH STEREO	1	0	0	0				0	0	0	0			0	0	0	0	0	nc
STEREO	1																		ed
STEREO		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Advanced version
NEURAL	1																		IS.
NEURAL		0		0														0	on
AUTO	1																		
AUTO		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

*1 If "Speaker Config." – "S.Back" (127 page 80) is set to "None", this surround mode cannot be selected.

*2 If "Speaker Config." - "S.Back" (@ page 80) is set to "1spkr" or "None", this surround mode cannot be selected.

*3 This surround mode can be selected when "Amp Assign" (@ page 80) is set to "Normal".

*4 If "Speaker Config." – "F.Height" (12 page 80) is set to "None", this surround mode cannot be selected.

*5 The same was when "Audyssey DSX™" (☞ page 77) setting is set to "ON".

Relationship between video signals and monitor output

				MAIN ZONE	MONITOR OUT					
			Input Signals			Output Signals			Menu displayed	
	Video Convert	HDMI	COMPONENT	VIDEO	HDMI	COMPONENT	VIDEO	HDMI	COMPONENT	VIDEO
1	ON	×	X	×	Wall paper	×	×	Only the menu is	× *2	×
2	OFF	×	X	×	×	×	×	displayed	× *2	×
3	ON	×	X	0	VIDEO	VIDEO	VIDEO	(VIDEO)	\times (VIDEO) *3	imes (VIDEO)
4	ON	×	○ (1080p)	×			×		× (COMPONENT) *2	
5	ON	×	◯ (1080i ~ 480p)	×			×			×
6	ON	Х	(480i/576i)	×	COMPONENT		×	○ (COMPONENT)	imes (component) *3	
7	ON	×	○ (1080p)	0		COMPONENT			× (COMPONENT)	
8	ON *1	×	○ (1080p)	0	-			-	(VIDEO)	
9	ON	×	◯ (1080i ~ 480p)	0			VIDEO		*2	imes (VIDEO)
10	ON	Х	(480i/576i)	0	COMPONENT			○ (COMPONENT)	× (COMPONENT) *3	
11	ON	0	X	×		×	×		40	×
12	ON	0	X	0		×	VIDEO		×*2 –	imes (VIDEO)
13	ON	0	0	×	- HDMI		×	─ (HDMI)	*2	×
14	ON	0	0	0		COMPONENT	VIDEO		× (COMPONENT) *2	imes (VIDEO)
15	OFF	×	X	0	×	×	VIDEO		× *2	\times (VIDEO)
16	OFF	×	0	×	×		×		*2	×
17	OFF	×	0	0	×	COMPONENT	VIDEO		× (COMPONENT) *2	imes (VIDEO)
18	OFF	0	X	×		×	×	Only the menu is displayed		×
19	OFF	0	×	0		×	VIDEO	uispiayeu	×*2	imes (VIDEO)
20	OFF	0	0	×	- HDMI		×		* * * 2	×
21	OFF	0	0	0	7	COMPONENT	VIDEO	7	× (COMPONENT) *2	\times (VIDEO)

○ Video signal input present

 \times No video signal input

*1 When no HDMI monitor is connected or the HDMI monitor's power is not on

 \bigcirc () Superimposed on the picture indicated in ().

imes () Only the picture in () is output.

- \times Neither the picture nor the menu is output.
- *2 Only the menu is displayed when no HDMI monitor is connected or the HDMI monitor's power is not on.
- *3 If an HDMI monitor is not connected or power of an HDMI monitor is not turned on, the menu is superimposed on a video image in parenthesis.

	ZONE2 MONITOR OUT						
	Input S	Signals	Output	Signals			
	COMPONENT	VIDEO	COMPONENT	VIDEO			
1	×	×	×	×			
2	×	0	×	0			
3	0	×	0	×			
4	0	0	0	0			

- The main zone video conversion function is compatible with the following formats: NTSC, PAL, SECAM, NTSC4.43, PAL-N, PAL-M and PAL-60.
- When SECAM signals of video input are up-converted, the signals are output in PAL format from the S-Video and Video connectors.
- The menu display cannot be superimposed when x.v.Color signals and computer's resolution (e.g. VGA) are input.



 \times No video signal output

- If you operate the menu while playing back 3D video content, the playback video is replaced by the menu screen. The playback video is not displayed behind the menu screen.
- This unit does not show the status display while playing back 3D video content.

Explanation of terms

Δ

A2DP

A2DP is one profile of Bluetooth definded for in-car devices or AV devices that use wireless communication instead of a cable.

Adobe RGB color, Adobe YCC601 color

Like x.v.Color, each of these color spaces defines a palette of available colors that is larger than the traditional RGB color model.

Audyssey Dynamic Surround Expansion[™] (A-DSX)

Realistic reproduction of sound relies on the ability of audio systems to match human hearing performance. Three key requirements are: (1) frequency response, (2) dynamic range, and (3) accurate spatial reproduction. The requirements for frequency response have already been surpassed with sampling rates that exceed human hearing. The dynamic range limits of human perception have also been met with current digital audio systems operating capable of signal to noise ratios that approach 120 dB. Accurate spatial sound rendering, however, has not vet reached the limits of perception as human perception relies on the combination of sounds arriving from many more directions than what 5.1-channel surround sound systems provide. Audyssey DSX technology was developed to overcome the spatial sound rendering limitations faced by 5.1-channel surround sound formats.

The ITU 5.1-channel channel standard recommends three front loudspeakers and two rear loudspeakers. The Left (L) and Right (R) front loudspeakers should be placed at $\pm 30^{\circ}$ relative to the central listening position. The Center (C) loudspeaker should be at 0° and the surround loudspeakers (SL, SR) should be placed between 100° and 120°. All loudspeakers must be equidistant from the center listening position or compensated with time delay if that is not possible. A separate low-frequency effects (LFE) channel is used to reproduce additional bass content from the subwoofer.

There are certain things that 5.1-channel surround sound systems do well compared to 2-channel stereo. For example, it is possible to move sounds across the front seamlessly. It is also possible to create ambience behind the listener. But 5.1 channel surround systems do not provide enough channels from which to render the required refl ected sound components for a seamless and enveloping soundstage. Unfortunately, the additional two back surround channels in 7.1-channel systems are not in the right place to provide a significant perceptual improvement.

Adding more channels to a surround system is not for special effects. Accurate spatial sound reproduction requires rendering of directional sound cues and non-directional ambient cues. Refl ections arriving after the direct sound play a critical role in the perception of soundstage width and depth. To have the most impact, additional surround channels should be used to control the direction, time of arrival, and frequency response of the refl ected sound to render an expanded soundstage that reproduces sound with better localization and envelopment than what 5.1-channel systems provide.

Research in the perception of auditory source width has shown that there are strong preferences in the direction of refl ected sound and the perception of soundstage width and spaciousness. The single most important direction of side-wall refl ections is ±60°. DSX provides a pair of Wide channels (LW and RW) at ±60° with appropriate frequency response and perceptual processing to match the requirements of human hearing. In fact, the Wide channels are much more critical in the presentation of a realistic soundstage than then Back Surround channels found in traditional 7.1-channel systems. A more enveloping 7.1-channel system is one in which Wide speakers are used instead of Back Surround speakers. Adding surround channels behind the listener has a very small impact compared to the increase in envelopment and soundstage width that the front wide channels will provide.

After side refl ections, the next most important acoustical and perceptual cues come from refl ections above the front stage. DSX provides a pair of Height channels (LH and RH) at a $\pm 45^{\circ}$ azimuth angle and elevated to a 45° angle in the median plane.

In addition to creating new Wide and Height channels, DSX also provides Surround Processing to enhance the envelopment of the Surround and Back Surround channels (if present). DSX Surround Processing processes the standard surround signals in the time and frequency domains to improve the perceived sense of envelopment and blending with the other speakers in the surround system. Audyssey Dynamic Surround Expansion is a scalable system that can adapt to the practical needs of the user. The first level of surround stage enhancement comes from adding the Wide channels. The second level comes from adding the Height channels. If it is practical to have both Wides and Heights then the surround performance will be further enhanced. DSX automatically reconfigures its processing to optimize surround rendering over any number of available speakers beyond that of 5.1-channel.

Audyssey Dynamic EQ[®]

Audyssey Dynamic EQ solves the problem of deteriorating sound quality as volume is decreased by taking into account human perception and room acoustics. Audyssey Dynamic EQ works in tandem with Audyssey MultEQ XT to provide well-balanced sound for every listener at any volume level.

Audyssey Dynamic Volume[®]

Audyssey Dynamic Volume solves the problem of large variations in volume level between television programs, commercials, and between the soft and loud passages of movies. Audyssey Dynamic EQ is integrated into Dynamic Volume so that as the playback volume is adjusted automatically, the perceived bass response, tonal balance, surround impression, and dialog clarity remain the same.

Audyssey MultEQ[®] XT

Audyssey MultEQ XT is a room equalization solution that calibrates any audio system so that it can achieve optimum performance for every listener in a large listening area. Based on several room measurements, MultEQ XT calculates an equalization solution that corrects for both time and frequency response problems in the listening area and also performs a fully automated surround system setup.

Auto Lip Sync

If you connect the receiver to a TV that supports the Auto Lip Sync function, it can automatically correct delay between the audio and video.

В

Bluetooth

Bluetooth is a short-distance wireless communication technology used for connecting handheld devices several meters apart. This enables notebook computers, PDA s, mobile phones, etc. to connect without a cable for transmitting audio and data.

Deep Color

D

This technology allows expression of more number of colors than the conventional 8 bits and can reproduce colors close to natural ones without color streak.

DLNA

DLNA and DLNA CERTIFIED are trademarks and/ or service marks of Digital Living Network Alliance. Some contents may not be compatible with other DLNA CERTIFIED™ products.

Dolby Digital

Dolby Digital is a multi-channel digital signal format developed by Dolby Laboratories.

A total of 5.1 channels are played: 3 front channels ("FL", "FR" and "C"), 2 surround channels ("SL" and "SR") and the "LFE" channel for low frequencies.

Because of this, there is no crosstalk between channels and a realistic sound field with a "threedimensional" feeling (sense of distance, movement and positioning) is achieved.

A realistic, powerful sense of presence is achieved when playing movie sources in AV rooms as well. **Dolby Digital EX**

Dolby Digital E

Dolby Digital EX is a 6.1-channel surround format proposed by Dolby Laboratories that allows users to enjoy in their homes the "DOLBY DIGITAL SURROUND EX" audio format jointly developed by Dolby Laboratories and Lucas Films.

The 6.1 channels of sound, including surround back channels, provide improved sound positioning and expression of space.

Dolby Digital Plus

Dolby Digital Plus is an improved Dolby Digital signal format that is compatible with up to 7.1 channels of discrete digital sound and also improves sound quality thanks to extra data bit rate performance. It is upwardly compatible with conventional Dolby Digital, so it offers greater flexibility in response to the source signal and the conditions of the playback equipment. **Basic version**

Advanced version

Explanation of terms

Dolby Headphone

The Dolby Headphone technology provides a surround sound listening experience over headphones.

When listening to multichannel content such as DVD movies over headphones, the listening experience is fundamentally different than listening to speakers. Since the headphone speaker drivers are covering the pinna of the ear, the listening experience differs greatly from traditional speaker playback. Dolby utilizes patented headphone perspective curves to solve this problem and provides a non-fatiguing, immersive, home theater listening experience. Dolby Headphone also delivers exceptional 3D audio from stereo material.

Dolby TrueHD

Dolby TrueHD is a high definition audio technology developed by Dolby Laboratories, using lossless coding technology to faithfully reproduce the sound of the studio master.

This format provides the facility to support up to 8 audio channels with a sampling frequency of 96kHz/24bit resolution and up to 6 audio channels with a sampling frequency of 192kHz/24bit resolution. Dolby TrueHD is adopted for applications that put very high importance on sound quality.

Dolby Pro Logic II

Dolby Pro Logic $I\!I$ is a matrix decoding technology developed by Dolby Laboratories.

Regular music such as that on CDs is encoded into 5 channels to achieve an excellent surround effect. The surround channel signals are converted into stereo and full band signals (with a frequency response of 20 Hz to 20 kHz or greater) to create a "three-dimensional" sound image offering a rich sense of presence for all stereo sources.

Dolby Pro Logic IIx

Dolby Pro Logic IIx is a further improved version of the Dolby Pro Logic II matrix decoding technology. Audio signals recorded in 2 channels are decoded to achieve a natural sound with up to 7.1 channels. There are three modes: "Music" suited for playing music, "Movie" suited for playing movies, and "Game" which is optimized for playing games.

Dolby Pro Logic IIz

Dolby Pro Logic IIz introduces a new dimension to Home Entertainment through the addition of a pair of front height channels. Compatible with stereo, 5.1-channel and 7.1-channel content, Dolby Pro Logic IIz provides enhanced spaciousness, depth and dimension to movies, concert video and video game playback while maintaining the full integrity of the source mix.

Dolby Pro Logic IIz identifies and decodes spatial cues that occur naturally in all content, directing this information to the front height channels, complementing the performance of left and right surround sound speakers. Content that is encoded with Dolby Pro Logic IIz height channel information can be even more revealing, with perceptually discrete height channel information bringing an exciting new dimension to home entertainment. Dolby Pro Logic IIz, with front height channels is also an ideal alternative for households that cannot support the placement of back surround speakers of a typical 7.1-channel system but may have bookshelf space available to support the addition of

height speakers. Dolby Virtual Speaker

Dolby Virtual Speaker is a technology certified by Dolby Laboratories that creates a virtualized surround sound experience from two speakers using a multichannel Dolby Digital source.

Additionally, Dolby Virtual Speaker can simulate the surround sound effect produced by Dolby Pro Logic or Dolby Pro Logic II.

Dolby Virtual Speaker retains all the original Multichannel audio information and provides the listener with the sensation of being surrounded by additional speakers.

Downmix

This function converts the number of channels of surround audio to less number of channels and plays back.

DTS

This is an abbreviation of Digital Theater System, which is a digital audio system developed by DTS. When playing back audio by connecting this system with a device such as DTS amplifier, accurate sound field position and realistic sound effect as if you are in a movie theater can be obtained.

DTS 96/24

DTS 96/24 is a digital audio format enabling high sound quality playback in 5.1 channels with a sampling frequency of 96 kHz and 24 bit quantization on DVD-Video.

DTS Digital Surround

DTS Digital Surround is the standard digital surround format of DTS, Inc., compatible with a sampling frequency of 44.1 or 48 kHz and up to 5.1 channels of digital discrete surround sound.

DTS-ES[™] Discrete 6.1

DTS-ES[™] Discrete 6.1 is a 6.1-channel discrete digital audio format adding a surround back (SB) channel to the DTS digital surround sound. Decoding of conventional 5.1-channel audio signals is also possible according to the decoder.

DTS-ES[™] Matrix 6.1

DTS-ES[™] Matrix 6.1 is a 6.1-channel discrete digital audio format inserting a surround back (SB) channel to the DTS digital surround sound through matrix encoding. Decoding of conventional 5.1-channel audio signals is also possible according to the decoder.

DTS Express

DTS Express is an audio format supporting low bit rates (max. 5.1 channels, 24 to 256 kbps). **DTS-HD**

IS-HD

This audio technology provides higher sound quality and enhanced functionality than the conventional DTS and is adopted as an optional audio for Blu-ray Disc. This technology supports multi-channel, high data transfer speed, high sampling frequency, and lossless audio playback. Maximum 7.1-channels are supported in Blu-ray Disc.

DTS-HD High Resolution Audio

DTS-HD High Resolution Audio is an improved version of the conventional DTS, DTS-ES and DTS 96/24 signals formats, compatible with sampling frequencies of 96 or 48 kHz and up to 7.1 channels of discrete digital sound. High data bit rate performance provides high quality sound. This format is fully compatible with conventional products, including conventional DTS digital surround 5.1-channel data.

DTS-HD Master Audio

DTS-HD Master Audio is a lossless audio format created by Digital Theater System (DTS). This format provides the facility to support up to 8 audio channels with a sampling frequency of 96kHz/24bit resolution and up to 6 audio channels with a sampling frequency of 192kHz/24bit resolution. It is fully compatible with conventional products, including conventional DTS digital surround 5.1-channel data.

DTS Neural Surround

DTS Neural Surround has been chosen as the surround sound format for XM Satellite Radio's "XM HD Surround", TV sports broadcasting, 7.1 games, Music Direct Internet streaming as well as leading FM/HD radio stations. It delivers the rich envelopment and discrete image detail of surround sound by unmasking the audio details, typically lost by other playback modes. Audiences will experience the deep ambience and subtle details of movies, music and games.

DTS NEO:6[™] Surround

DTS NEO:6[™] is a matrix decoding technology for achieving 6.1-channel surround playback with 2-channel sources. It includes "DTS NEO:6 Cinema" suited for playing movies and "DTS NEO:6 Music" suited for playing music.

Dynamic range

The difference between the maximum undistorted sound level and the minimum discernible level above the noise emitted by the device.

F

н

FLAC (Free Lossless Audio Codec)

FLAC (Free Lossless Audio Codec) is a codec for audio data compression.

HDCP

When transmitting digital signals between devices, this copyright protection technology encrypts the signals to prevent content from being copied without authorization.

HDMI

This is an abbreviation of High-Definition Multimedia Interface, which is an AV digital interface that can be connected to a TV or amplifier. Video signal and audio signal can be connected using 1 cable.

LFE

This is an abbreviation of Low Frequency Effect, which is an output channel that emphasizes low frequency effect sound. Surround audio is intensified by outputting 20 Hz to 120 Hz deep bass.

MAIN ZONE

The room where this unit is placed is called the $\ensuremath{\mathsf{MAIN}}$ ZONE .

MP3 (MPEG Audio Layer-3)

Μ

L

This is an internationally standardized audio data compression scheme, using the "MPEG-1" video compression standard. It compresses the data volume to about one eleventh its original size while maintaining sound quality equivalent to a music CD. MPEG (Moving Picture Experts Group), MPEG-2, MPEG-4

These are the names for digital compression format standards used for the encoding of video and audio. Video standards include "MPEG-1 Video", "MPEG-2 Video", "MPEG-4 Visual", "MPEG-4 AVC". Audio standards include "MPEG-1 Audio", "MPEG-2 Audio", "MPEG-4 AAC".

Pairing

Pairing is an operation required for settings to connect two Bluetooth devices. Pairing enables Bluetooth devices to access each other.

Progressive (sequential scanning)

Ρ

This is a scanning system of video signal that displays 1 frame of video as one image. Compared to the interlace system, this system provides images with less flickering and bleeding.

Protection Circuit

This is a function to prevent damage to components within the power supply when an abnormality such as an overload, excess voltage occurs or temperature for any reason.

In this unit, the power indicator blinks and the unit enters standby mode when an abnormality occurs.

Sampling frequency

S

Sampling involves taking a reading of a sound wave (analog signal) at regular intervals and expressing the height of the wave at each reading in digitized format (producing a digital signal).

The number of readings taken in one second is called the "sampling frequency". The larger the value, the closer the reproduced sound is to the original.

Speaker impedance

v

This is an AC resistance value, indicated in Ω (ohms). Greater power can be obtained with this value smaller.

sYCC601 color

Like x.v.Color, each of these color spaces defines a palette of available colors that is larger than the traditional RGB color model.

vTuner

This is a free online content server for Internet radio. Note that usage fees are included in upgrade costs.

For inquiries about this service, visit the vTuner site below.

vTuner website: <u>http://www.radiomarantz.com</u> This product is protected by certain intellectual property rights of Nothing Else Matters Software and BridgeCo. Use or distribution of such technology outside of this product is prohibited without a license from Nothing Else Matters Software and BridgeCo or an authorized subsidiary.

W WAV (Wave)

AV (vvave)

WAV is a standard audio format of Windows. The file size tends to increase, but sound near the original sound can be maintained.

Windows Media DRM

This is a copyright protection technology developed by Microsoft.

Content providers are using the digital rights management technology for Windows Media contained in this device (WM-DRM) to protect the integrity of their content (Secure Content) so that their intellectual property, including copyright. in such content is not misappropriated. This device uses WM-DRM software to play Secure Content (WM-DRM Software). If the security of the WM-DRM Software in this device has been compromised, owners of Secure Content (Secure Content Owners) may request that Microsoft revoke the WM-DRM Software's right to acquire new licenses to copy, display and/or play Secure Content, Revocation does not alter the WM-DRM Software's ability to play unprotected content. A list of revoked WM-DRM Software is sent to your device whenever you download a license for Secure Content from the Internet or from a PC. Microsoft may, in conjunction with such license, also download revocation list onto your device on behalf of Secure Content Owners.

Windows Media Player Ver.11

This is a media player distributed free of charge by Microsoft Corporation.

It can be used to play playlists created with Windows Media Player Ver. 11 as well as files in such formats as WMA, DRM WMA, MP3 and WAV. **WMA (Windows Media Audio)**

This is audio compression technology developed by Microsoft Corporation.

WMA data can be encoded using Windows Media[®] Player Ver.7, 7.1, Windows Media[®] Player for Windows[®] XP and Windows Media[®] Player 9 Series.

To encode WMA files, only use applications authorized by Microsoft Corporation. If you use an unauthorized application, the file may not work properly.

x.v.Color

This function lets HDTVs display colors more accurately. It enables display with natural, vivid colors. "x.v.Color" is a Sony registered trademark.

Х

ZONE2

7

This unit can operate in a room other than the room where this unit is placed (MAIN ZONE) (ZONE2 playback). The room for ZONE2 playback is called ZONE2.

ZONE3

This unit can operate in a room other than the room where this unit is placed (MAIN ZONE) (ZONE3 playback). The room for ZONE3 playback is called ZONE3.

Basic version

Troubleshooting

If a problem should arise, first check the following:

1. Are the connections correct?

2. Is the set being operated as described in the user guide?

3. Are the other components operating properly?

If this unit does not operate properly, check the items listed in the table below. Should the problem persist, there may be a malfunction.

In this case, disconnect the power immediately and contact your store of purchase.

[General]

Symptom	Cause/Solution	Page
Power does not turn on.	 Check whether the power plug is correctly inserted into the power outlet. The protection circuit is active. Disconnect the power plug from 	6 5, 113
	the electric outlet, wait 5 to 10 seconds and then insert it back into the outlet.	0, 110
Display is off.	• Set "Display" on the menu to something other than "OFF".	88
The power indicator is blinking red in intervals of	• The temperature inside the unit has risen. Please turn off power once, and re-apply the power after the temperature has fallen sufficiently.	_
approximately 2 seconds.	• Please re-install this unit in a place having good ventilation.	_
The power indicator is blinking red in intervals of approximately 0.5 seconds.	 Please use speakers which have the specified impedance. The speaker cable has shorted (is touching). Firmly twist the core wire in the speaker cable, and then re-connect it to the speaker terminal. 	5 5
After turning on the power, the power indicator is blinking red in intervals of approximately 0.5 seconds.	• This unit amplifier circuit has failed. Turn off the power and please contact the Marantz service adviser.	_
Set does not operate properly.	Reset the microprocessor.	117

[Video]

Symptom	Cause/Solution	Page
No picture appears.	Check the TV connection.	6
	• Set the TV input correctly.	7

[Audio]

Symptom	Cause/Solution	Page
Audio is not output.	Check the connections for all devices.Check the speaker connections.	6, 16 – 24 6, 51 – 53, 55, 56
	• Check whether the audio device power is turned on.	_
	Adjust the master volume.	27, 64
	Cancel the mute mode.	27, 64
	Select a suitable input source.	26, 64
	Select a suitable input mode.	73
	• Disconnect the headphones. No sound is output from the speakers or the PRE OUT connectors when headphones are connected.	100
No sound is produced from surround speaker.	• Check if the surround speakers are connected to the SURROUND terminals.	_
No sound is	• Set "Amp Assign" on the menu to "Normal".	80
produced from surround back	• Set "Speaker Config." – "S.Back" on the menu to something other than "None".	80
speaker.	• Set the surround mode to something other than "STEREO".	48
No sound is	• Set "Amp Assign" on the menu to "Normal".	80
produced from front height speaker.	• Set "Speaker Config." – "Surround" on the menu to something other than "None".	80
No sound is	• Set "Amp Assign" on the menu to "Normal".	80
produced from front wide speaker.	• Set "Speaker Config." – "Surround" on the menu to something other than "None".	80
No sound is	Check the subwoofer connections.	6, 51 – 53
produced from	• Turn on the subwoofer's power.	7
subwoofer.	• Set "Speaker Config." – "Subwoofer" on the menu to "Yes".	80
	• If "Front" and "Center" for "Speaker Config." are set to "Large",	80
	and "Subwoofer Mode" is set to "LFE", no sound may be output	
	from the subwoofers, depending on the input signal or selected surround mode.	
DTS sound is not output.	• Set "Decode Mode" on the menu to "Auto" or "DTS".	73
Dolby TrueHD, DTS- HD, Dolby Digital Plus audio is not output.	• Make HDMI connections.	16

Simple version

Basic version

Advanced version

Information

[IID NAI]
INDIVIT

HDMI]			[HD Radio receiv
Symptom	Cause/Solution	Page	Symptom
No audio is output with HDMI connection.	 Check the connection of the HDMI connectors. When outputting HDMI audio from the speakers, set "HDMI Audio Out" on the menu to "AMP". When outputting HDMI audio from a TV, set "HDMI Audio Out" 	16 82 82	Reception fails, c there is a lot of n or distortion.
No video is output with HDMI connection.	 on the menu to "TV". Check the connection of the HDMI connectors. Set the input source to match the connected HDMI connector. Check whether the TV is compatible with copyright protection (HDCP). If connected to a device not compatible with HDCP, video will not be output correctly. 	16 16, 26 15	[Internet radio / Symptom When a USB memory device is connected, "USB
When the following operations are performed on devices compatible with HDMI control, the same operations occur on this unit. • Power ON/OFF • Switching audio	Set "HDMI Control" on the menu to "OFF". To operate power only for each device, set "Power Off Control" to "OFF".	57, 82	not displayed on menu. Files on a USB memory device
output devices • Adjust volume • Switch input source SIRIUS Satellite Rad			cannot be played
Symptom	Cause/Solution	Page	
"CHECK SIRIUS TUNER" is displayed.	• The SiriusConnect Home Tuner unit is not connected. Check that the connections are correct.	22	
"ANTENNA ERROR" is displayed.	• The antenna is not connected. Check that the connections are correct.	22	The file names are not displayed
"NO SIGNAL" is displayed.	• The antenna is not connected. Check that the connections are correct.	-	properly ("…", et Internet radio car
"INVALID CHANNEL" is displayed.	• Channel is not present. Select another channel.	-	be played.
"ACQUIRING SIGNAL" is	• The signal cannot be received. Reposition your SiriusConnect Home Tuner and Home Dock antenna.	_	
displayed.	• Displays while SiriusConnect Home Tuner is connected. Reposition your SiriusConnect Home Tuner and Home Dock antenna.	-	
"Call SIRIUS" * is displayed.	• Channels are not subscribed to. If you subscribe to the channel, you can receive the channel.	-	Files stored on a
"SUBSCRIPTION UPDATED" is displayed.	While updating contract information.	-	computer cannot played.
"Enter Lock Code []" is displayed.	• Selected channels are locked. Please insert pass word (4 digits) into "[]"	-	

Radio receiver)

Symptom	Cause/Solution	Page
eception fails, or	Change the antenna orientation or position.	22, 23
nere is a lot of noise	• Separate the AM loop antenna from the unit.	22, 23
r distortion.	• Use an FM outdoor antenna.	22, 23
	• Separate the antenna from other connection cables.	22, 23

/ Media server / iPod / USB memory device / Flickr / Napster / Pandora / Rhapsody]

	a server / IFOU / OSB memory device / Flickr / Napster / Fandora	/ Intapood //
Symptom	Cause/Solution	Page
When a USB memory device is	• The set cannot recognize a USB memory device. Check the connection.	19
connected, "USB" is not displayed on the menu.	 A USB memory device not conforming to mass storage class or MTP standards is connected. Connect a USB memory device conforming to mass storage class or MTP standards. 	-
	 A USB memory device that the set cannot recognize is connected. This is not a malfunction. Marantz does not guarantee that all USB memory devices will operate or receive power. 	-
	• USB memory device is connected via USB hub. Connect the USB memory device directly to the USB port.	-
Files on a USB memory device cannot be played.	• USB memory device is in format other than FAT16 or FAT32. Set the format to FAT16 or FAT32. For details, refer to the USB memory device's operating instructions.	_
	• USB memory device is divided into multiple partitions. When divided into multiple partitions, only files stored in the top partition can be played.	-
	 Files are stored in a non-compatible format. Record the files in a compatible format. 	35, 36
	• You are attempting to play a file that is copyright protected. Files that are copyright protected cannot be played on this set.	35, 36
The file names are not displayed properly ("", etc.).	• Characters that cannot be displayed are used. This is not a malfunction. On this set, characters that cannot be displayed are replaced with a "." (period).	_
Internet radio cannot be played.	• Ethernet cable is not properly connected or network is disconnected. Check the connection status.	35, 36
	 Program is being broadcast in non-compatible format. Only Internet radio programs in MP3 and WMA can be played on this set. 	35, 36
	• The computer's or router's firewall is activated. Check the computer's or router's firewall settings.	-
	 Radio station is not currently broadcasting. Choose a radio station that is currently broadcasting. 	36, 37
	• IP address is wrong. Check the set's IP address.	85
Files stored on a computer cannot be	• Files are stored in a non-compatible format. Record in a compatible format.	35, 36
played.	• You are attempting to play a file that is copyright protected. Files that are copyright protected cannot be played on this set.	35, 36
	• Set and computer are connected by USB cable. The set's USB port cannot be used for connection to a computer.	-

* After scroll displays "Call 888-539-...." twice, displays "Call SIRIUS".

Symptom	Cause/Solution	Page
Server is not found,	• The computer's or router's firewall is activated. Check the	-
or it is not possible to connect to the	computer's or router's firewall settings. • Computer's power is not turned on. Turn on the power.	_
server.	• Server is not running. Launch the server.	_
	• Set's IP address is wrong. Check the set's IP address.	85
iPod cannot be played.	• Some iPods do not support being used connected directly to the USB port.	19
When an iPod is connected, "No Connection" is displayed.	• "No Connection" may display if you connect an iPod that has only a small amount of charge remaining in its battery to this unit. Should this occur, charge the iPod before connecting it to this unit.	_
Cannot connect to preset or favorite	 Radio station is not currently broadcasting. Wait a while before trying again. 	-
radio stations.	• Radio station is not currently in service. It is not possible to connect to radio stations that are no longer in service.	-
For some radio stations, "Server Full" or "Connection Down" is displayed and station cannot be connected to.	• Station is congested or not currently broadcasting. Wait a while before trying again.	_
Sound is broken during playback.	 Network's signal transfer speed is slow or communications lines or radio station is congested. This is not a malfunction. When playing broadcast data with a high bit rate, the sound may be broken, depending on the communications conditions. 	-
Sound quality is poor or played sound is noisy.	• File being played has a low bit rate. This is not a malfunction.	_
Cannot login to Rhapsody. ("Incorrect Username or Password" is displayed.)	 Login information is incorrect. Check if the Username for Rhapsody has been properly entered. Re-enter the Password. (Password is not displayed.) www.rhapsody.com/marantz 	85
Cannot compile Playlist.	• This unit does not respond to playlist compilation. When the playlist is compiled in PC Application, it is registered to "My Library". In this way, the playlist can be played in this unit	-
Cannot delete Rhapsody Channel registered in "My Channels"	• Cannot be done with this unit. Delete from PC Application.	_
Cannot delete Tracks, Playlists, Channels registered in "My Library"	• Cannot be done with this unit. Delete from PC Application.	_

Symptom	Cause/Solution	Page
Cannot login to Napster. ("Incorrect Username or Password" is displayed.)	Login information is incorrect. Check if the Username for Napster has been properly entered. Re-enter the Password. (Password is not displayed.) <u>http://www.napster.com/choose/index_default.html</u>	85
Cannot login to Pandora. ("Email address" or "Password" is displayed.)	• Login information is incorrect. Check if the "Email address" for Pandora has been properly entered. Re-enter the "Password". (Password is not displayed.) http://www.pandora.com/marantz	42

[M-XPort]

Symptom	Cause/Solution	Page
Audio is not output when a wireless receiver (RX101 is connected).	• Check that the Bluetooth device and Wireless receiver (RX101) are correctly paired.	-

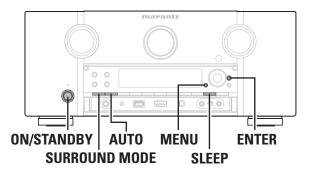
[Remote Control Unit]

Symptom	Cause/Solution	Page
The set cannot be	Batteries are worn out. Replace with new batteries.	104
operated with the remote control unit.	• Operate the remote control unit within a distance of about 23 ft / 7 m from this unit and at an angle of within 30°.	104
	 Remove any obstacle between this unit and the remote control unit. 	104
	• Insert the batteries in the proper direction, checking the \oplus and Θ marks.	104
	• The set's remote control sensor is exposed to strong light (direct sunlight, inverter type fluorescent bulb light, etc.). Move the set to a place in which the remote control sensor will not be exposed to strong light.	104

Resetting the microprocessor

Perform this procedure if the display is abnormal or if operations cannot be performed. When the microprocessor is reset, all the settings are reset to their default values.

Various setting details can be saved and reset on this device. If setting details are saved before returning to the default values, after returning to the default settings, setting details can be returned to the same values as before returning to the defaults.



- **1** When the power is ON, press and hold SLEEP and ENTER for more than 3 seconds. After "MEMORY SAVING" is shown on the display, "COMPLETE" is shown to inform you that the settings have been saved.
- **7** Turn off the power using **ON/STANDBY**.
- **3** Press ON/STANDBY while simultaneously pressing SURROUND MODE and AUTO.
- **4** Once the display starts flashing at intervals of about 1 second, release the two buttons.
- **5** Press and hold SLEEP and MENU for more than 3 seconds. After "MEMORY LOAD" is shown on the display: "COMPLETE"
 - After "MEMORY LOAD" is shown on the display, "COMPLETE" is shown to inform you that the settings have returned to those saved in step 1.

- To return all of the settings to the default values, perform steps 2 to 4 without performing step 1.
- If in step 3 the display does not flash at intervals of about 1 second, start over from step 1.

Specifications

Audio section		Tuner section	[FM]	[AM]
Power amplifier			(Note: μ V at 75 Ω , 0 dBf = 1 x 10 ⁻¹⁵ W)	
Rated output:	Front:	Receiving Range:	87.5 MHz – 107.9 MHz	530 kHz – 1710 kHz
	125 W + 125 W (8 Ω, 20 Hz – 20 kHz with 0.08 % T.H.D.)	Usable Sensitivity:	1.5 μV (14.8 dBf)	18 μV
	Center:	S/N (IHF-A):	MONO 78 dB	
	125 W (8 Ω, 20 Hz – 20 kHz with 0.08 % T.H.D.)		STEREO 68 dB	
	Surround:		HD 85 dB	85 dB
	125 W + 125 W (8 Ω, 20 Hz – 20 kHz with 0.08 % T.H.D.)	Total harmonic Distortion (at 1 kHz):	MONO 0.1 %	
	Surround back / Front height / Front wide:		STEREO 0.1 % HD 0.02 %	0.02 %
	125 W + 125 W (8 Ω, 20 Hz – 20 kHz with 0.08 % T.H.D.)	🖵 General	110 0.02 //	0.02 /0
Maximum effective output power:	Front:	Power supply:	AC 120 V, 60 Hz	
	195 W + 195 W (6 Ω, 1 kHz with 10 % T.H.D.)	Power consumption:	700 W	
	Center:	rower consumption.	0.2 W (Standby)	
	195 W (6 Ω, 1 kHz with 10 % T.H.D.)		4.0 W (CEC standby)	
	Surround:	Maximum external dimensions:	440 (W) x 187 (H) x 406 (D) mm	
	195 W + 195 W (6 Ω , 1 kHz with 10 % T.H.D.)	Weight:	13.0 kg	
	Surround back / Front height / Front wide:	-	-	
Output compositores	195 W + 195 W (6 Ω, 1 kHz with 10 % T.H.D.) 6 – 8 Ω	Remote control unit (RC011SR)		
Output connectors:	0-811	Batteries:	R03/AAA Type (two batteries)	
Input sensitivity/Input impedance:	200 mV/47 kΩ			
	10 Hz – 100 kHz — +1, –3 dB (DIRECT mode)	For purposes of improvement, specific	cations and design are subject to change	e without notice.
Frequency response: S/N:	96 dB (IHF-A weighted, DIRECT mode)			
Distortion:	0.008 % (20 Hz ~ 20 kHz) (DIRECT mode)			
Rated output:	1.2 V			
• Digital	1.2 V			
D/A output:	Rated output — 2 V (at 0 dB playback)			
	Total harmonic distortion — 0.008 % (1 kHz, at 0 dB)			
	S/N ratio — 102 dB			
	Dynamic range — 100 dB			
Digital input:	Format — Digital audio interface			
Phono equalizer (PHONO input	– REC OUT)			
Input sensitivity:	2.5 mV			
RIAA deviation:	±1 dB (20 Hz to 20 kHz)			
S/N:	74 dB (A weighting, with 5 mV input)			
Rated output:	150 mV			
Distortion factor:	0.03 % (1 kHz, 3 V)			
Video section				
Standard video connectors				
	1 Vp p 75 0			
Input/output level and impedance:	1 Vp-p, 75 Ω			
Frequency response: • Color component video connector	5 Hz – 10 MHz — +1, –3 dB			
•	Y (brightness) signal — 1 Vp-p, 75 Ω			
Input/output level and impedance:	PB / CB signal — 0.7 Vp-p, 75 Ω PB / CB signal — 0.7 Vp-p, 75 Ω PR / CR signal — 0.7 Vp-p, 75 Ω			

Frequency response:

Pr / Cr signal — 0.7 Vp-p, 75 Ω 5 Hz – 60 MHz — +0, –3 dB (when "Video Convert" set to "OFF")

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	Sony	5007, 5008, 5009, 5016
Т	Toshiba	5012
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Α	Aiwa	2036, 2037		
	Apex	2012, 2017, 2018, 2019, 2021, 2034		
В	BOSE	2038, 2039, 2063		
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Н	Harman Kardon	2061		
	Hitachi	2008, 2012, 2031		
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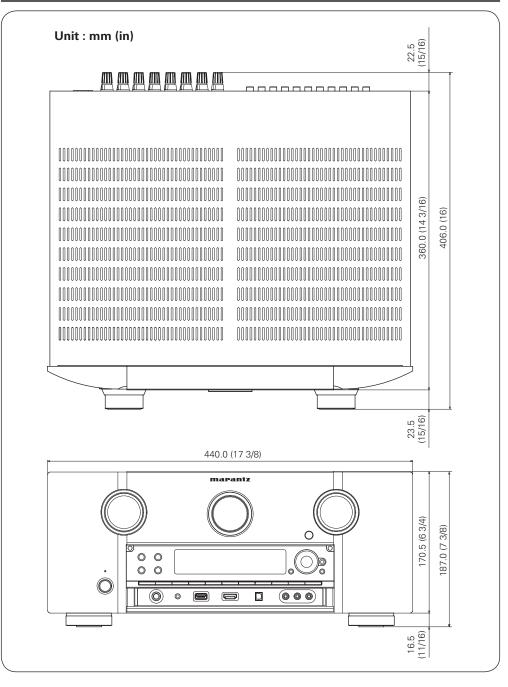
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