Network Audio Player

Model NA-11S1 Owner’s Manual

Network Audio Player
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.

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.
7. Do not block any ventilation openings.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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.
10. 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. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel.
15. 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. To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.

For Canadian customers:
This Class B digital apparatus complies with Canadian ICES-003.

FCC INFORMATION (For US customers)

1. COMPLIANCE INFORMATION
   Product Name: Network Audio Player
   Model Number: NA-11S1
   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, LLC.
   (a D&M Holdings Company)
   100 Corporate Drive,
   Mahwah, NJ 07430, U.S.A.
   Tel. 201-762-6500

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 a shielded STP or ScTP LAN cable 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.
NOTES ON USE

**WARNINGS**

- 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 should not be impeded by covering the 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 expose the unit to dripping or splashing fluids.
- Do not place objects filled with liquids, such as vases, on the unit.
- Do not handle the mains cord with wet hands.
- When the switch is in the OFF (STANDBY) 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.
- Do not keep the battery in a place exposed to direct sunlight or in places with extremely high temperatures, such as near a heater.

CAUTIONS ON INSTALLATION

- For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.
- More than 4 in. (0.1 m) is recommended.
Getting started

Thank you for purchasing this Marantz product. To ensure proper operation, please read these owner’s manual carefully before using the product.
After reading this manual, be sure to keep it for future reference.

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Accessories

Check that the following parts are supplied with the product.

1. Getting Started .............................................................1
2. CD-ROM (Owner’s manual) ........................................1
3. Safety Instructions .....................................................1
4. Warranty (for North America model only) ..................1
5. Power cord .............................................................1
6. Remote control (RC002NA) ....................................1
7. R03/AAA batteries ....................................................2
8. Audio cable ............................................................1
9. Remote connector cable ........................................1

Contents

Accessories

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5. Power cord .............................................................1
6. Remote control (RC002NA) ....................................1
7. R03/AAA batteries ....................................................2
8. Audio cable ............................................................1
9. Remote connector cable ........................................1
## Main features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Playback of DSD file</strong></td>
<td>This unit can play the DSD file via USB Type B.</td>
</tr>
<tr>
<td><strong>Toroidal transformer</strong></td>
<td>This unit features a toroidal transformer that produces less vibration and magnetic leakage flux compared to conventional power transformers. The materials and manufacturing process of the ring-shaped core are strictly controlled to reduce vibration, while the short-ring attached to the perimeter of the transformer reduce magnetic leakage flux.</td>
</tr>
<tr>
<td><strong>Large-capacitance block capacitor</strong></td>
<td>A large capacitance 4700 μF capacitor carefully selected for its acoustic characteristics is incorporated into the Audio power supply circuit.</td>
</tr>
<tr>
<td><strong>Audiophile-grade film capacitors and electrolytic capacitors</strong></td>
<td>The unit’s features the same audiophile-grade film capacitors and electrolytic capacitors specifically used in top-range models.</td>
</tr>
<tr>
<td><strong>Low-noise low-distortion filter circuit and highspeed HDAMSA2-type output amplifier with the differential input type HDAM</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Double-layered chassis</strong></td>
<td></td>
</tr>
<tr>
<td><strong>High-grade machined analog audio output connectors</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Can be used as a D/A convertor</strong></td>
<td>Digital audio signals input from an external device or computer into this unit can be converted and output as analog signals using this unit’s D/A converter.</td>
</tr>
<tr>
<td><strong>Inverted-phase analog output signal is possible</strong></td>
<td>The USA system balanced output signal of this unit can be inverted to permit a balanced input to a European type amplifier.</td>
</tr>
<tr>
<td><strong>Peripheral circuitry off function minimizes audio output signal interference</strong></td>
<td>In order to minimize noise from peripheral circuitry which could interfere with the analog audio signal, this unit is equipped with a peripheral circuitry off function which turns off the digital output circuit, the display, and the illumination lamp.</td>
</tr>
<tr>
<td><strong>Filter switching function</strong></td>
<td>Switching between 2 types of filter characteristics is possible during playback in the DSD file and PCM file, allowing the listener to enjoy different shadings of the music.</td>
</tr>
<tr>
<td><strong>Supports Internet Radio and music streaming</strong></td>
<td>Supports AirPlay® (<a href="#">page 36</a>)</td>
</tr>
<tr>
<td><strong>DLNA ver. 1.5 support for audio networks</strong></td>
<td>Supports online music, including Pandora, SiriusXM and Spotify</td>
</tr>
<tr>
<td><strong>Support for High Quality Audio playback</strong></td>
<td>WAV/FLAC/ALAC (Apple Lossless Audio Codec)</td>
</tr>
<tr>
<td><strong>Support for Gapless playback</strong></td>
<td>Playback with no gap between music files (for WAV/FLAC only)</td>
</tr>
<tr>
<td><strong>iPod® auto detect charges your device even after this unit switches to standby mode</strong></td>
<td></td>
</tr>
<tr>
<td><strong>“Marantz Remote App” compatibility for performing basic unit operations with an iPad®, iPhone® or Android smart phone</strong></td>
<td></td>
</tr>
<tr>
<td><strong>OLED (Organic Light Emitting Diode) display that can display 3 lines</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Auto Standby mode for energy savings</strong></td>
<td></td>
</tr>
</tbody>
</table>
Cautions on handling

- 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 its surroundings, condensation may form on parts inside the unit, causing it to fail 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 smart phones
  Using a smart phone near this unit may result in noise. If that occurs, move the smart phone away from the 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 cables connected to other system units before moving the unit.

About the remote control

Inserting the batteries

1. Remove the rear cover of the remote control.
2. Set two R03/AAA batteries in the battery compartment in the indicated direction.
3. Put the rear cover back on.

NOTE
- Insert the specified batteries in the remote control.
- Replace the batteries with new ones if the set does not operate even when the remote control is operated close to the unit. (The supplied batteries are only for verifying operation. Replace them with new batteries at an early date.)
- 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 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.
  - The remote control may function improperly if rechargeable batteries are used.
Operating range of the remote control

Point the remote control at the remote sensor when operating it.

Approx. 26 ft/8 m

30° 30°

NOTE

• The set may function improperly or the remote control 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.

• When using 3D video devices that transmit radio communication signals (such as infrared signals etc) between the various units (such as the monitor, 3D glasses, 3D transmitter unit etc), the remote control may not operate due to interference from those radio communication signals. If this occurs, adjust the direction and distance of the 3D communication for each unit, and check that the remote control operation is not affected by these signals.

Marantz Remote App

Marantz Remote App is a unique application developed for the iPhone, iPod touch and Android smart phone. This application enables you to control Marantz network devices that are connected to your home network. Install the App onto your iPhone, iPod touch or Android smart phone to control this device.

• Bidirectional communication is performed.
• The Marantz Remote App can be downloaded for free from the Apple App Store or Google Play store.

Marantz NA-11S1

Music Server USB

AMP

AMP Volume

CD Player

Favorites Internet Radio

Filter iPod Player

Internet Radio

Player

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

- **Connections**  ➤ *page 6*
- **Setup**  ➤ *page 11*
**Connections**

**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.
- 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 humming or noise.
- Do not connect the unit to the PHONO input connectors on the amplifier.

Cables used for connections

<table>
<thead>
<tr>
<th>Audio cable (supplied)</th>
<th>Audio cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote connector cable</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Audio cable (sold separately)</th>
<th>Balanced audio cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical cable</td>
<td></td>
</tr>
<tr>
<td>Coaxial digital cable</td>
<td></td>
</tr>
<tr>
<td>iPod cable</td>
<td></td>
</tr>
<tr>
<td>USB cable</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cable (sold separately)</th>
<th>LAN cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monaural mini-plug cable</td>
<td></td>
</tr>
</tbody>
</table>

**Analog connections**

**UNBALANCED**

**BALANCED Jacks**

The BALANCED jacks on this unit are equipped with XLR connectors that are widely used on professional equipment. Their features are listed below.
- The 3 pin construction enables the musical signal to be transmitted as a balanced signal, with little effect from external noise.
- The detachable locking mechanism minimizes connector play and enhances connection reliability.

The XLR connector for professional use is internally wired in either of the following two systems. This unit employs the USA system.
- **USA system (PIN=COLD PIN=HOT)**
- **European system (PIN=HOT PIN=COLD)**

If a product that employs the European system is connected with this unit via a balanced cable, the reproduced signal may be phase-inverted. To correct the inversion, set the “Phase” to “Inverted” at the menu setting (page 19).
**Digital connections**

When connecting, use a commercially available optical digital cable or coaxial digital cable.

**Digital audio output**

Connect digital devices such as AV receivers and D/A converters with the unit to enjoy digital audio output from the unit.

**Digital audio input**

If a device equipped with CD transport or digital audio output is connected to this unit, this unit can be used as a D/A converter (page 41 “Using as a D/A converter”).

**NOTE**

- Digital audio output is stopped during DSD signal playback.
- The digital audio output can be turned on/off in the “Digital Out” menu (page 18).

**NOTE**

- Linear PCM signals with a sampling frequency of 32 kHz, 44.1 kHz, 48 kHz, 64 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, or 192 kHz can be input into this device.
- Do not input signals other than linear PCM signals, such as Dolby digital, DTS, AAC etc. into this device. Doing so may cause noise, which may cause damage to the speakers.

**PC connection**

By connecting a computer to the USB port on the rear panel of this unit using a commercially available USB cable, this unit can be used as a D/A converter (page 41 “Using as a D/A converter”).

**NOTE**

- Operation will not occur correctly if connected to the computer before the dedicated driver has been installed.
- Use a cable that is 10 ft (3 m) or less to connect to the computer.
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.

Required system

- Broadband Internet connection
- Modem
  A 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.

- LAN cable (CAT-5 or greater recommended)
  • Use only a shielded STP or ScTP LAN cable which is available at retailer.
  • Some flat type LAN cables are easily affected by noise.
    We recommend using a normal type cable.

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

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 Ethernet connector directly to the LAN port/ Ethernet connector on your computer.
- To listen to audio streaming, use a router that supports audio streaming.
Connecting other equipment

**RS-232C**
Connect an external control device or other device for servicing. (Use a straight cable for the connection.)

**FLASHER IN**
This unit can be controlled by connecting a control box or other control device to this unit.

- **Connection**
Use the supplied remote connection cable to connect the REMOTE CONTROL IN terminal of this unit to REMOTE CONTROL OUT terminal of the amplifier.

- **Setting**
Set the remote control switch on the rear panel of this unit to “EXT.” to use this feature.
  - This setting will disable remote sensor reception of this unit.
  - To operate the unit, point the remote control at the remote sensor of the amplifier.

To use this unit without connecting it to the amplifier, set the remote control switch to “INT.”.

Remote control jacks connection

If this unit is connected to a Marantz amp, the amp can be controlled via this unit using the Marantz Remote App or web control function (see page 39). Also, remote control signals received by the amp can be used to control this unit.

- **Connection**
Use the supplied remote connection cable to connect the REMOTE CONTROL IN terminal of this unit to REMOTE CONTROL OUT terminal of the amplifier.

- **Setting**
Set the remote control switch on the rear panel of this unit to “EXT.” to use this feature.
  - This setting will disable remote sensor reception of this unit.
  - To operate the unit, point the remote control at the remote sensor of the amplifier.

To use this unit without connecting it to the amplifier, set the remote control switch to “INT.”.
Connecting the power cord

When all of the connections are completed, insert the power plug into the power outlet.

To household power outlet
(AC 120 V, 60 Hz)

Power cord
(supplied)

NOTE

• Insert the plugs securely. Loose connections will result in the generation of noise.
• Do not unplug the power cord while the unit is operating.
• Do not use a power cord other than the cord supplied with this unit.
# Setup

## Menu map

<table>
<thead>
<tr>
<th>Setting items</th>
<th>Detailed items</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick Setup</td>
<td>Quick Setup</td>
<td>Performs the network settings using a Wizard style window. For details on the operations, see the separate “Getting Started”.</td>
<td>–</td>
</tr>
<tr>
<td>General</td>
<td>Language</td>
<td>Sets the language.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Auto-Standby</td>
<td>Sets the unit power to standby when the unit is not in use.</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Firmware</td>
<td>Performs the network settings using a Wizard style window.</td>
<td>–</td>
</tr>
<tr>
<td>Network</td>
<td>Network Control</td>
<td>Performs the network control function when in standby mode.</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Friendly Name</td>
<td>Edits a name displayed on the Internet.</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>DHCP (On) or DHCP (Off)</td>
<td>Performs the DHCP setting.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>IP Address*</td>
<td>Performs the IP address setting.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Subnet Mask*</td>
<td>Performs the subnet mask setting.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Gateway*</td>
<td>Performs the gateway setting.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Primary DNS*</td>
<td>Performs the primary DNS setting.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Secondary DNS*</td>
<td>Performs the secondary DNS setting.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Proxy</td>
<td>Performs the proxy setting.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Test Connection</td>
<td>Performs the wired LAN connection.</td>
<td>15</td>
</tr>
<tr>
<td>Audio</td>
<td>Noise Shaper</td>
<td>Performs the noise shaper setting.</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>DC Filter</td>
<td>Performs the DC filter setting.</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Digital Out</td>
<td>Performs the digital out setting.</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Phase</td>
<td>Performs the phase setting.</td>
<td>19</td>
</tr>
</tbody>
</table>

*Displayed when the “DHCP” setting is “Off” (page 15).

## Menu operation

1. Press **MENU**. This turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. Use **△▼** and **ENTER** to select menu you want to change.

   - To back to the top of the menu, during menu operation, press **HOME**.
**General Settings [General]**

**Language**

Sets the language for display the menu.

- The default setting is “English”.

1. **Press MENU.**
   
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. **Use \( \Delta \nabla \) and ENTER to select “General” – “Language”, then press ENTER or \( \triangleright \).

3. **Use \( \Delta \nabla \) to select “On” or “Off”, then press ENTER or \( \triangleright \).**
   
   The setting is entered.

**NOTE**

In the following situations, the Auto-Standby function does not operate.

- When the source is “iPod” (Direct mode) or “AirPlay”.

---

**Auto-Standby**

When this unit is in the stop state and there is no input signal and operation for 30 minutes, it automatically enters the standby mode.

- The default setting is “On”.

1. **Press MENU.**
   
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. **Use \( \Delta \nabla \) and ENTER to select “General” – “Auto-Standby”, then press ENTER or \( \triangleright \).**
   
   “Select Auto-Standby” menu appears.

3. **Use \( \Delta \nabla \) to select “On” or “Off”, then press ENTER or \( \triangleright \).**

   The setting is entered.

---

**Firmware**

- **Update**
  
  - In order to update the firmware, the environment and settings required for connecting to broadband internet are needed (page 9).
  
  - Perform the firmware update operation after at least 2 minutes has elapsed since turning this unit’s power ON.

1. **Press MENU.**
   
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. **Use \( \Delta \nabla \) and ENTER to select “General” – “Firmware” – “Update”, then press ENTER or \( \triangleright \).**

   **Check For Update**
   
   Check for firmware updates. You can also check approximately how long it will take to complete an update.

   **Update Start**
   
   Execute the update process.

   - 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.

   **Display**

<table>
<thead>
<tr>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Updating fail</td>
</tr>
<tr>
<td>Login failed</td>
</tr>
<tr>
<td>Server is busy</td>
</tr>
<tr>
<td>Connection fail</td>
</tr>
<tr>
<td>Download fail</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Updating failed</td>
</tr>
<tr>
<td>Failure to login to server.</td>
</tr>
<tr>
<td>Server is busy. Wait a while then try again.</td>
</tr>
<tr>
<td>Failure in connecting to server.</td>
</tr>
<tr>
<td>Downloading of the firmware has failed.</td>
</tr>
</tbody>
</table>
Update on web screen

Firmware can be updated using the “Web control function” (page 39). “Web control function” (page 39) settings must be completed in advance on a PC belonging to the same network.

For information on obtaining update files, please contact our customer service center.

1. Click ④ from step 5 for the “Web control function” (page 39).

   The PC will display the following screen. Wait for approximately 1 minute.

   You can also gain access by entering the IP address shown by the unit into a web browser.

   [The web display]

   [The unit’s screen display]

2. When the following screen is displayed by the PC, click the “Choose File” (①) button, select the update file, and click the “Upload” (②) button.

   Button names may vary depending on the OS language used on your computer.

3. When the following screen is displayed, click the “OK” (③) button. Updating will begin.

   [The firmware]

   [The unit’s screen display]

   On
   Display update message.

   Off
   Do not display update message.

   • When you press ENTER during display of the notification message, the “Check For Update” is displayed. (Refer to page 12 for more information on “Update”.)
   • Press < to erase the notification message.
Upgrade
Display a notification message on this unit’s menu screen when downloadable firmware is released with “Add New Feature”.
Connect to broadband Internet (page 8) when using this function.

1. Press MENU.  
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).


3. Use △▽ to select “On”, then press ENTER or ▶.
   On : Display upgrade message.
   Off : Do not display upgrade message.

   • When you press ENTER during display of the notification message, the “Add New Feature” is displayed. (Refer to page 14 for more information on “Add New Feature”.)
   • Press ▼ to erase the notification message.

Add New Feature
In order to add new functions, the environment and settings required for connecting to broadband internet are needed (page 8).
Perform the add new feature operation after at least 2 minutes has elapsed since turning this unit’s power on.

1. Press MENU.  
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. Use △▽ to select “General” – “Firmware” – “Add New Feature”, then press ENTER or ▶.

   Upgrade Status : Display a list of the additional functions provided by the upgrade.

   Upgrade Start : Execute the upgrade process.

   • If the upgrade is not successful, an error message identical to those in “Update” (page 12) will appear on the display. Check the settings and network environment, then update again.

   Upgrade ID : The ID number shown on this screen is needed when carrying out the procedure.

   • See the Marantz website for details about updates.
   When the procedure is complete, “Registered” is displayed. If the procedure has not been carried out, “Not Registered” is displayed.

[Notes concerning use of “Update” and “Add New Feature”]
• Do not turn off the power until updating or upgrading is completed.
• Even with a broadband connection to the Internet, approximately 20 minutes is required for the updating/upgrading procedure to be completed.
• Once updating/upgrading 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.
• If the update or upgrade fails, 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 “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 “Update” or “Add New Feature”, a notification message is displayed on the menu screen. When you do not want to be notified, set “Update” (page 13) and “Upgrade” (page 14) to “Off”.

See the Marantz website for details about updates.
Setting the network [Network]

• For details on “Quick Setup” operations, see the separate “Getting Started”.
• If you cancelled “Quick Setup” menu or changed the network environment, perform “Menu” – “Quick Setup”.

Connecting wired LAN

Use this procedure to configure the wired LAN settings.

Network connecting (when “DHCP” settings are “On”)
When using this unit with the broadband router’s DHCP function enabled, this unit automatically performs the IP address setting and other settings.

1 Connect the LAN cable (page 8 “Connecting to a home network (LAN)” – “Wired LAN”).
2 Press (on/standby) to turn on power to the main unit.
3 Press MENU. Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

4 Use △▼ and ENTER to select “Network” – “Settings” – “DHCP (On)”, then press ENTER or ▶.
   “Select DHCP” menu appears.
5 Use △▼ to select “On”, then press ENTER or ▶.
   “Setup Ethernet” menu appears.
6 Use △▼ to select “Test Connection”, then press ENTER or ▶.
   “Wait for the network to connect...” is displayed, and the unit starts connecting to the LAN.
• When the connection is made successfully, “Connected!” appears.
• If the connection cannot be established, “Connection Failed” is displayed. Perform steps 1 – 6 again.

You may need to set the network connection manually, depending on the provider you use. To set the connection manually, use the setting procedure of “Network connecting (when “DHCP” settings are “Off”)”.

Network connecting (when “DHCP” settings is “Off”)
This section explains the settings when connecting this unit to a network that does not have a DHCP function.

1 Perform steps 1 – 4 of the “Network connecting (when “DHCP” settings are “On”)” procedure and select “Off” in step 5.
   “Setup Ethernet” menu appears.
2 Use △▼ to select “IP Address”, then press ENTER or ▶.
   “Enter IP Address” menu appears.
3 Use △▼ or 0 – 9 to input the IP address and press ENTER.
4 Use △▼ or 0 – 9 to input the address for “Subnet Mask”, “Gateway”, “Primary DNS”, and “Secondary DNS”.
5 Use △▼ to select “Test Connection”, then press ENTER or ▶.
   “Wait for the network to connect...” is displayed, and the unit starts connecting to the LAN.
• When the connection is made successfully, “Connected!” appears.
• If the connection cannot be established, “Connection Failed” is displayed. Perform steps 1 – 5 again.
Proxy settings
Configure these settings to connect to the internet via a proxy server.

1. Press MENU. Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. Use △▽ and ENTER to select “Network” – “Settings” – “Proxy”, then press ENTER or ▶.
   “Setup Proxy” menu appears.

3. If “Proxy(On)” appears, go to step 5.
   If “Proxy(Off)” appears, press ENTER or ▶.
   “Select Proxy” menu appears.

4. Use △▽ to select “On”, then press ENTER or ▶.
   “Setup Proxy” menu appears.

5. Use △▽ to select “Proxy (Address)” or “Proxy (Name)”, then press ENTER or ▶.
   “Select Type” menu appears.

6. Use △▽ to select “Address” or “Name”, then press ENTER or ▶.
   “Setup Proxy” menu appears.

7. Use △▽ to select “Address” or “Name”, then press ENTER or ▶.
   “Enter Proxy Address” or “Enter Proxy Name” menu appears.

8. Use △▽ or 0 – 9, +10 to input the address or name, then press ENTER.
   “Setup Proxy” menu appears.

9. Use △▽ to select “Port”, then press ENTER or ▶.
   “Enter Proxy Port” menu appears.

10. Use △▽ or 0 – 9 to input the port, then press ENTER.
    The Proxy settings are completed.
Other network settings

Network Control
Set the network function On/Off during standby.

1. Press MENU.
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. Use △▽ to select “Network” – “Network Control”, then press ENTER or ▶.
   “Network Control” menu appears.

3. Use △▽ to select “On”, then press ENTER or ▶.
   - Network is on during standby. Main unit operable with a network compatible controller. Shortens the time before the network connection is completed.
   - When “Network Control” is set to “On”, the power display lights orange.
   - More power is consumed when in standby (Power consumption: 3 W).

4. Press MENU.
   The display returns to normal.

Friendly Name
The Friendly Name (personalized name) is the name of this unit displayed on the network (Maximum 63 characters).

1. Press MENU.
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).

2. Use △▽ to select “Network” – “Friendly Name”, then press ENTER or ▶.
   “Friendly Name” menu appears.

3. Use △▽ to select the friendly name (Marantz NA-11S1), then press ENTER.

4. Edit a friendly name.
   - For character input, see page 42.

Resetting the friendly name to the default setting

In step 3, select “Default” and press ENTER.
Setting the audio [Audio]

This unit is equipped with a sound quality adjusting function which allows users to enjoy the desired playback sound quality.

• This setting remains effective even if the power is turned off.

Noise Shaper

Digital feedback is used to improve the low-sound linearity and the noise characteristics of the audible band. Although no difference is observed in the measured values, the sound quality is changed, allowing users to specify a favorite sound quality.

1 Press MENU.
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).
2 Use △∇ to select “Audio” – “Noise Shaper”, then press ENTER or ▶.
   “Noise Shaper” menu appears.
3 Use △∇ to select “On” or “Off”, then press ENTER or ▶.
   The setting is entered.

NOTE
The Noise Shaper function is disabled during playback of a 32 kHz sampling frequency source and DSD.

DC Filter

This filter is effective in preventing excessive speaker vibration when playing music source where audio with extremely low noise characteristics has been recorded. (The cut frequency is set at 1.7 Hz.)

1 Press MENU.
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).
2 Use △∇ to select “Audio” – “DC Filter”, then press ENTER or ▶.
   “DC Filter” menu appears.
3 Use △∇ to select “On” or “Off”, then press ENTER or ▶.
   The setting is entered.

NOTE
• The DC Filter function is disabled during playback of a 32 kHz sampling frequency source and DSD.
• The “Noise Shaper”, “DC Filter” and filter characteristics have a last memory function. These settings remain in memory even if the power is turned off.

Digital Out (Setting for the digital output)

1 Press MENU.
   Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).
2 Use △∇ to select “Audio” – “Digital Out”, then press ENTER or ▶.
   “Digital Out” menu appears.
3 Use △∇ to select “On” or “Off”, then press ENTER or ▶.
   • When “Digital Out” is set to “Off”, the digital out off indicator lights on the display.
### Phase (analog output phase switching)

Switches the output signal phase for balanced outputs. The unit’s balanced output conforms to USA system. This setting must be set to “Inverted” in order to execute balanced outputs to a European system amplifier with a different (inverted) phase.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press MENU. Turns on the Menu settings mode and the Menu appears on the display (page 11 “Menu map”).</td>
</tr>
<tr>
<td>2</td>
<td>Use ▲▼ to select “Audio” – “Phase”, then press ENTER or ▶. “Phase” menu appears.</td>
</tr>
</tbody>
</table>
| 3    | Use ▲▼ to select “Normal” or “Inverted”, then press ENTER or ▶.  
  
  - **Normal**: USA system.  
  - **Inverted**: European system. |
Operation

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

● Preparation  page 21
● Operations possible during playback  page 21
● Network audio playback  page 23
● Favorite function  page 31
● iPod playback  page 32
● USB memory device playback  page 34
● AirPlay function  page 36
● Remote play function  page 38
● Web control function  page 39
● Using as a D/A converter  page 41
● Other functions  page 42
**Operation**

This section provides information on playback operation procedures.

**Preparation**

### Turning the power on

Press \(\circ\) (on/standby). Power is turned on and the STANDBY indicator goes off.

- You can also switch the power to standby by pressing \(\circ\) ON/STANDBY on the main unit.

**Turning the power to standby mode**

Press \(\circ\) (on/standby). The unit enters standby mode.

- STANDBY indicator
  - Normal standby : Red
  - “Network Control” – “On” : Orange
  - iPod charge standby : Orange

**NOTE**

Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time, unplug the power cord from the power outlet.

**Completely turning off the power**

Unplug the power cord from the wall outlet.

### Operations possible during playback

#### Selecting the input source

<table>
<thead>
<tr>
<th>Instructions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Selecting the input source using the main unit</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1</strong> Press INPUT. The display changes to the input source selection screen.</td>
<td></td>
</tr>
<tr>
<td><strong>2</strong> Press (\Delta) / (\nabla) to select the input source. The input source is switched each time the button is pressed.</td>
<td></td>
</tr>
</tbody>
</table>

- **PC**
- **Coaxial**
- **Optical**
- **Menu**
- **Optical**
- **Coaxial**
- **PC**
- **USB**
- **Spotify**
- **Pandora®**
- **SiriusXM**

With this unit, you can play back music files stored on your iPhone/iPod touch and music from iTunes (page 36 “AirPlay function”).

### Selecting the input source using the remote control

Press the input source select button (INTERNET RADIO, MUSIC SERVER, ONLINE MUSIC, USB, DIGITAL IN).

- The desired input source can be selected directly.
- The input source is switched as follows each time DIGITAL IN is pressed.

- **PC** → Coaxial → Optical → ONLINE MUSIC

- The input source is switched as follows each time ONLINE MUSIC is pressed.

- **Pandora®** → SiriusXM
Setting the sleep timer

Use this function to automatically switch the power to the standby mode after a specific amount of time (minutes).

Press SLEEP during playback and select the setting time.
- The sleep timer can be set to up to 90 minutes, in steps of 10 minutes.
- After about 3 seconds, the setting is entered and the display returns to as it was before.

Canceling the sleep timer

Either press SLEEP to select “Sleep OFF” or press ▼ (on/standby).

To check the time remaining until the sleep timer is activated

Press SLEEP.

Switching the illumination lamp setting

The illumination lamps on the both sides of the unit main panel can be turned on or off.
- The default setting is “On”.

Press and hold DIMMER for 2 seconds or longer.
- The on/off setting changes as follows with each press of the button.
  - On
  - Off
- This can also be set by pressing DIMMER on the main unit.

Switching the display’s brightness

Press DIMMER.
- The display brightness is adjusted each time DIMMER is pressed as shown below.

  100% 70% 40% Off
- When the display brightness is set to “Off”, the DISPLAY OFF indicator lights on the display.
- If you operate the buttons when the display brightness is set to “Off”, the display temporarily lights at “100%” brightness level.

Listening with headphones

Plug the headphones (sold separately) into the headphone jack (PHONES).

Adjusting the Volume

Turn LEVEL on the main unit.

NOTE
To prevent hearing loss, do not raise the volume level excessively when using headphones.

Switching the filter characteristics

2 filter characteristic types can be selected for DSD source, and for PCM source. The 2 filter characteristics types are explained below.

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>PCM source</th>
<th>DSD source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter 1</td>
<td>Offers a short impulse response for both pre-echo and post-echo. Suitable for large-information-content audio. Produces a deep sound image with clearly-defined positional relationships of the audio sources.</td>
<td>This is a direct mode in which there is no filtering versus the DSD data (Super Audio CD recording signal). The original source data is reproduced as it is, along with the original texture and space.</td>
</tr>
<tr>
<td>Filter 2</td>
<td>This filter offers asymmetrical impulse response. The post-echo is slightly longer than the pre-echo. Resembles analog sound quality. DSD data exceeding 100 kHz is attenuated. Also equipped with DACs for normal-phase and inverted-phase signals (23 each). The asymmetrical DAC operation gives priority to the resolution, resulting in a smoother sound.</td>
<td></td>
</tr>
</tbody>
</table>

Press FILTER.
- The setting cycles through the 2 modes (Filter 1/Filter 2) as shown below each time the button is pressed.

NOTE
The “Noise Shaper”, “DC Filter” and filter characteristics have a last memory function. These settings remain in memory even if the power is turned off.
Network audio playback
Follow this procedure to play Internet radio stations or music files stored on a computer.

- About the Internet Radio function (page 48)
- About Music server (page 48)
- About Pandora® (page 49)
- About SiriusXM (page 49)
- About Spotify (page 49)

Listening to Internet Radio

1. Prepare for playback.
   ① Check the network environment, then turn on this unit’s power (page 21 "Turning the power on").
   ② If settings are required, make the “Setting the network [Network]” (page 15).

2. Press INTERNET RADIO to switch the input source to “Internet Radio”.
   • For details on selecting the input source using the unit buttons, see “Selecting the input source using the main unit” (page 21).

3. Press △▽ to select the item you want to play, then press ENTER or ▶.

4. Repeat step 3 until the station list is displayed.
   The station list is displayed.
   • Any characters that cannot be displayed are replaced with “.” (period) or “ ” (space).

5. Press △▽ to select the station, then press ENTER or ▶.
   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 quality, but depending on the communication lines and server traffic, the music or audio signals being streamed may be interrupted. Conversely, 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.

Switching the display
Press INFO during Internet radio reception.
The broadcast station information and signal format bit rate are displayed.

Recently played Internet Radio stations
Recently played Internet Radio stations can be selected from “Recently Played”.
Up to 20 stations can be stored in “Recently Played”.

1. On a top menu of the Internet Radio station, press △▽ to select “Recently Played”, then press ENTER or ▶.

2. Press △▽ to select the item you want to play, then press ENTER or ▶.

Searching stations by keyword
(Alphabetic strings)

1. Press △▽ to select “Search by Keyword”, then press ENTER or ▶.

2. Use △▽ ▶ or 0 – 9, +10 to input the characters, then press ENTER.
   • For character input, see page 42.

Registering Internet Radio stations as your favorites
You can register your favorite Internet stations in the Favorite List (page 31).

Internet radio operation

<table>
<thead>
<tr>
<th>Operation buttons</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAVORITES ADD</td>
<td>Registration to the Favorite list</td>
</tr>
<tr>
<td>FAVORITES CALL</td>
<td>Call from the Favorite list</td>
</tr>
<tr>
<td>△▽</td>
<td>Cursor operation (Up/Down/Left/Right)</td>
</tr>
<tr>
<td>ENTER</td>
<td>Enter</td>
</tr>
<tr>
<td>MENU</td>
<td>Menu</td>
</tr>
<tr>
<td>SEARCH</td>
<td>Character search*</td>
</tr>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
</tbody>
</table>

* Press SEARCH, then press ENTER to select the first letter you want to search mode.

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

Here, we apply the settings to share music files stored on a PC and NAS on the network.

Sharing media stored on a PC

If you are using a media server, be sure to apply this setting first.

When using Windows Media Player 12
(Windows 7, Windows 8)

1. In the PC’s “Control Panel”, select “Network and Internet” – “Choose homegroup and sharing options”.
2. Select the “Stream my pictures, music, and videos to all devices on my home network” check box and select “Choose media streaming options”.
3. Select “Allowed” in the drop-down list for “Marantz NA-11S1”.
4. Select “Allowed” in the drop-down list for “Media programs on this PC and remote connections...”.
5. Click “OK” to finish.

When using Windows Media Player 11

1. Start up Windows Media Player 11 on the PC.
2. Select “Media Sharing” in the “Library”.
3. Click the “Share my media” check box, select “Marantz NA-11S1”, and then click “Allow”.
4. As you did in step 3, select the icon of the device (other PCs and mobile devices) you want to use as a media controller, and then click “Allow”.
5. Click “OK” to finish.

Sharing media stored on a NAS device

Change settings on the Network Attached Storage (NAS) device to allow this unit and other devices (PCs and mobile devices) used as media controllers to access the NAS. For details, see the owner’s manual that came with the NAS.
Playing files stored on a PC and NAS

Use this procedure to play music files or playlists.

1. **Prepare for playback.**
   1. Check the network environment, then turn on this unit’s power (page 21 “Turning the power on”).
   2. If settings are required, make the “Setting the network [Network]” (page 16).

2. **Press MUSIC SERVER** to switch the input source to “Music Server”.
   - For details on selecting the input source using the unit buttons, see “Selecting the input source using the main unit” (page 21).

3. Press △▽ to select the server including the file to be played, then press ENTER or ▶.

4. Press △▽ to select the search item or folder, then press ENTER or ▶.

5. Repeat step 4 until the file is displayed.

6. Press △▽ to select the file, then press ENTER or ▶. Playback starts once buffering reaches “100%”.

**Music server operation**

<table>
<thead>
<tr>
<th>Operation buttons</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAVORITES ADD</td>
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</tr>
<tr>
<td>FAVORITES CALL</td>
<td>Call from the Favorite list</td>
</tr>
<tr>
<td>△▽</td>
<td>Cursor operation</td>
</tr>
<tr>
<td>ENTER</td>
<td>Menu</td>
</tr>
<tr>
<td>MENU</td>
<td>Menu</td>
</tr>
<tr>
<td>SEARCH</td>
<td>Character search*1</td>
</tr>
<tr>
<td>(Press and release)</td>
<td>Skip to previous or next file</td>
</tr>
<tr>
<td>(Press and hold)</td>
<td>Fast-reverse the file / Fast-forward the file*2</td>
</tr>
<tr>
<td>▶/II</td>
<td>Playback / Pause</td>
</tr>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
<tr>
<td>RANDOM</td>
<td>Random playback (page 34)*3</td>
</tr>
<tr>
<td>REPEAT</td>
<td>Repeat playback (page 34)*3</td>
</tr>
</tbody>
</table>

* Press SEARCH, then press ENTER to select the first letter you want to search mode.
* This function is available while an MP3 / WAV / AAC / FLAC file is being played back.
* During random playback of files stored on a PC, each time playback of a track is completed, another track is randomly selected for playback from tracks in the folder.

**Playing repeatedly (Repeat playback)** (page 34)

**Playing random order (Random playback)** (page 34)

**Switching the display**

During playback, press INFO.
- The display switches each time INFO is pressed.

- If the list is not in alphabetical order, you may not be able to perform a character search.
- Depending on the server being used, some functions may be limited.
Pandora is only available in the U.S.

1. Prepare for playback.
   ① Check the network environment, then turn on this unit’s power (page 21 “Turning the power on”).
   ② If settings are required, make the “Setting the network [Network]” (page 15).
   ③ Complete step 4 and obtain a Pandora account.
      • If you already have a Pandora account, you do not need to obtain a new account. Use your existing Pandora account.

2. Press ONLINE MUSIC to switch the input source to “Pandora”.
   • For details on selecting the input source using the unit buttons, see “Selecting the input source using the main unit” (page 21).
   • If you do not have a Pandora account, press ▼ to select “I am new to Pandora”, then press ENTER or ▶.
     The URL needed to activate Pandora and the activation code will be displayed.
     Browse to the Pandora activation URL from your PC and follow the on-screen instructions for creating a new account.

3. If you have a Pandora account, use △▼ to select “I have a Pandora account”, then press ENTER or ▶.

4. Input “Email address” and “Password”.
   • For character input, see page 42.

5. After inputting the “Email address” and “Password”, select “login”, then press ENTER or ▶.
   If the “Email address” and “Password” match, the top menu for Pandora is displayed.

NOTE
Press HOME to cancel the input.

Creating a new station
You can create up to 100 radio stations.

1. Use △▼ to select “New Station”, then press ENTER or ▶.

2. Input a track or artist name, then press ENTER or ▶.
   • For character input, see page 42.

3. Use △▼ to select “Search by artist” or “Search by track”, then press ENTER or ▶.
   You can search by track or artist.

4. Use △▼, select a file (e.g. D&M2) from the list, and press ENTER or ▶.
   “Radio” is added to the end of a filename, and your new station is created (e.g. D&M2 Radio).
   • Your new station will play music with similar qualities to the artist or track you entered.

Listening to created radio stations at random
Use △▼ to select “Quick Mix”, then press ENTER or ▶.
Created radio stations are selected at random, and tracks are streamed.

Listening to an existing station
Use △▼ and select the radio station (“D&M2 Radio”) that you want to listen to, and press ENTER or ▶.
Giving Feedback and Managing Stations
You can personalize your stations by providing feedback.

Press ▶ while a track is playing.
The Pandora menu screen is displayed.

I like this track
• Press when you like the track that is being played.
• It will return to the Play Screen. And ☑ icon is displayed. (The icon is not displayed on the next track.)

I don't like this track
• Press when you don’t like the track that is being played.
• It will return to the Play Screen. And ◐ (Thumbs down) icon is displayed. (The icon is not displayed on the next track.)

Create station
• Creates a Station for the Track or Artist being played.

Bookmark this artist
• Bookmarks the artist currently being played.
• You can check on a computer or iPhone etc.
• For details, see the Pandora web page.

Bookmark this track
• Bookmarks the track currently being played.
• You can check on a computer or iPhone etc.
• For details, see the Pandora web page.

I’m tired of this track
• Press when you don’t like the track that is being played.
• The track will not be played for 1 month.

Delete this station
• Press when you want to delete the station that is being played.

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

Sign out
Disassociate this unit from your Pandora account.

1 While the Pandora top menu is displayed, press ◄.
2 When the popup menu appears, use △▼ to select “Yes”, then press ENTER.

Switching the display
During playback, press INFO.
• The station name, artist name and album name are displayed.

Pandora operation

<table>
<thead>
<tr>
<th>Operation buttons</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTER</td>
<td>Enter</td>
</tr>
<tr>
<td>MENU</td>
<td>Menu</td>
</tr>
<tr>
<td>►/❚❚</td>
<td>Playback</td>
</tr>
<tr>
<td>►❚❚</td>
<td>Auto search (cue)</td>
</tr>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
</tbody>
</table>

Operation buttons Function
Listening to SiriusXM Internet Radio

Over 130 channels of the SiriusXM programming you love, including commercial-free music plus sports, talk, news and entertainment. Listen anywhere on your computer or smart phone.

1 Prepare for playback.
   1. Check the network environment, then turn on this unit’s power ([page 21 “Turning the power on”).
   2. If settings are required, make the “Setting the network [Network]” ([page 15).
   3. Access the following website from your PC and obtain a SiriusXM account.
      http://www.siriusxm.com
      • If you already have a SiriusXM account, you do not need to obtain a new account. Select “Sign in” in step 3, and enter your existing SiriusXM account.

2 Press ONLINE MUSIC to switch the input source to “SiriusXM”.
   • For details on selecting the input source using the unit buttons, see “Selecting the input source using the main unit” ([page 21).

3 Select “Sign in”, then press ENTER or ▶.

4 Input “Username” and “Password”.
   • For character input, see [page 42).

5 Select “Sign in”, and then press ENTER or ▶. The top menu of SiriusXM is displayed.

6 Use △/▽ to select the genre, then press ENTER or ▶.

7 Use △/▽ to select the file, and then press ENTER or ▶. The selected file is displayed.

   □ Sign out
   Disassociate this unit from your SiriusXM account.

   1 While the SiriusXM top menu is displayed, press ◀.

   2 When the popup menu appears, use △/▽ to select “Yes”, then press ENTER.

   □ Switching the display
   During playback, press INFO.
   • The file type/bit rate, station name and artist name are displayed.

<table>
<thead>
<tr>
<th>SiriusXM operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation buttons</td>
</tr>
<tr>
<td>△▽◀▶</td>
</tr>
<tr>
<td>ENTER</td>
</tr>
<tr>
<td>MENU</td>
</tr>
<tr>
<td>▶/■</td>
</tr>
<tr>
<td>■</td>
</tr>
</tbody>
</table>

| Network audio playback |

<table>
<thead>
<tr>
<th>Operation</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>△▽◀▶</td>
<td>Cursor operation</td>
</tr>
<tr>
<td>ENTER</td>
<td>Enter</td>
</tr>
<tr>
<td>MENU</td>
<td>Menu</td>
</tr>
<tr>
<td>▶/■</td>
<td>Playback</td>
</tr>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
</tbody>
</table>
Listening to Spotify

Introduce your Marantz to a whole new world of music. With Spotify, you can enjoy instant access to millions of songs. A Spotify Premium subscription is required. For details, see the Spotify homepage. http://www.spotify.com

1 Prepare for playback.
   ① Make sure this unit is connected to the Internet, then turn on this unit’s power (page 21 “Turning the power on”).
   ② If settings are required, make the “Setting the network [Network]” (page 15).
   ③ Complete step 4 and obtain a Spotify account.
   • If you already have a Spotify account, you do not need to obtain a new account. Use your existing Spotify account.

2 Press ONLINE MUSIC to switch the input source to “Spotify”.
   • For details on selecting the input source using the unit buttons, see “Selecting the input source using the main unit” (page 21).

3 If you have a Spotify account, then press ENTER.

4 Use △ ▽ to enter your username and password.

5 After inputting the username and password, select “login”, then press ENTER.
   When the user name and password match, the registration confirmation message scrolls.
   • To continue, press ENTER and select “[accept]”. The Spotify Top menu is displayed. To go back, press ◀ and select “[back]”.

6 Use △ ▽ to select menu and then press ENTER or ▶.

   - Search
     Searches for tracks, artists and albums by entering keywords.
   - What’s New
     Displays the list of the latest albums.
   - Starred
     Displays the list of the starred tracks.
   - Playlists
     Displays the playlists for Spotify.
   - Accounts
     Manages accounts (Log out, Add new user, Switch to user).

7 Use △ ▽ to select a station, and press ENTER, ▶ or ◀ to start playback.
   Playback starts.

8 When you press ◀ during playback, the following menu appears.
   - Star this track
     Adds a star to the selected track.
   - Browse “Artist name”
     Displays the list of albums by the artist of the track that is being played back.
   - Browse “Album name”
     Displays the list of tracks on the album that is being played back.
Network audio playback

Switching the display

During playback, Press INFO. The display switches between artist name and album title each time the button is pressed.

Spotify operation

<table>
<thead>
<tr>
<th>Operation buttons</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOME</td>
<td>Move Top Menu</td>
</tr>
<tr>
<td>▲▼◁▷</td>
<td>Cursor operation</td>
</tr>
<tr>
<td>ENTER</td>
<td>Enter</td>
</tr>
<tr>
<td>INFO</td>
<td>Display switches</td>
</tr>
<tr>
<td>◀▶, ▶▶</td>
<td>Next/Previous (cue)</td>
</tr>
<tr>
<td>▶/❚❚</td>
<td>Playback/Pause</td>
</tr>
<tr>
<td>▼</td>
<td>Stop</td>
</tr>
<tr>
<td>RANDOM</td>
<td>Random playback</td>
</tr>
<tr>
<td>REPEAT</td>
<td>Repeat playback</td>
</tr>
</tbody>
</table>
**Favorite function**

This section provides information on the Favorite function.

- The Favorite function allows you to register your favorite broadcast stations and files in the Favorite List in advance so that you can call and listen to the stations or files right away, whenever you want.
- The contents that you can register and call are Internet radio station and music server.
- You can register up to 50 items in the Favorite List.

### Registering stations or files to the favorites list

1. Press **FAVORITES ADD** while the Internet radio station or file to register is played back. “Favorite” menu appears.

2. Press **Δ▽** to select a number to register the station or file, and press **ENTER**. “Added To Favorites” is displayed and the registration is competed.

### Calling stations or files from the favorites list

1. Press **FAVORITES CALL**. The Favorite list appears.

2. Press **4 5 6 7 8 ** or **Δ▽** to select the station or file that you want to call, and press **ENTER**. The respective function starts up and playback starts.

3. Press **0 – 9, +10** to call files registered to the Favorite list by number.

### Deleting stations or files from the favorite list

1. Press **FAVORITES CALL**. The Favorite list appears.

2. Press **Δ▽** to select the station or file that you want to delete, and press **CLEAR**.

3. When the prompt “Delete?” appears, press **ENTER**. “Deleted” is displayed and the deletion is competed.

- To switch between registered stations and files during playback
  
  Press **4 5 6 7 8 ** or **Δ▽**.

- To cancel the operation
  
  Press **4**.
Playing an iPod

1 Press X (on/standby) to turn on power to the main unit.

2 Press USB to switch the input source to “USB”.
   • For details on selecting the input source using the unit buttons, see “Selecting the input source using the main unit” (page 21).

3 Press MODE to select the display mode.
   The display mode switches each time MODE is pressed.
   • There are two modes for displaying the contents recorded on the iPod.

Remote mode
   Display iPod information on the display of this unit.

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

<table>
<thead>
<tr>
<th>Display mode</th>
<th>Remote mode</th>
<th>Direct mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display location</td>
<td>Main unit display</td>
<td>iPod display</td>
</tr>
<tr>
<td>Playable files</td>
<td>Audio file</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Video file</td>
<td>✓</td>
</tr>
<tr>
<td>Active buttons</td>
<td>Remote control and main unit</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>iPod</td>
<td>✓</td>
</tr>
</tbody>
</table>

• Only audio is played back.
• The default display mode setting is “Direct mode”.

4 Use △▽ to select the item, then press ENTER to select the music file to be played.

5 Press ▶/II.
   Playback starts.

NOTE
• 1st generation iPod nano and iPod video do not have Direct mode support.
• Marantz will accept no responsibility whatsoever for any loss of iPod data.
• Depending on the type of iPod and the software version, some functions may not operate.

iPod operation

<table>
<thead>
<tr>
<th>Operation buttons</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODE</td>
<td>Switch between the Remote mode and the Direct mode</td>
</tr>
<tr>
<td>△▽</td>
<td>Cursor operation (up/down)</td>
</tr>
<tr>
<td>◀</td>
<td>Display the menu or return to the previous menu</td>
</tr>
<tr>
<td>ENTER or ◀</td>
<td>Enter the selection or plays the track</td>
</tr>
<tr>
<td>◀▶ or ◀▶</td>
<td>Play the track from the beginning / Play the next track</td>
</tr>
<tr>
<td>◀▶ and hold</td>
<td>Fast-reverse the track / Fast-forward the track</td>
</tr>
<tr>
<td>▶/II</td>
<td>Play the track / Pause the track</td>
</tr>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
<tr>
<td>REPEAT</td>
<td>Switch the repeat function</td>
</tr>
<tr>
<td>RANDOM</td>
<td>Switch the shuffle function</td>
</tr>
</tbody>
</table>

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

NOTE
• When connecting an iPhone to this unit, keep the iPhone at least 8 in. (20 cm) away from this unit. If the iPhone is kept closer to this unit and a telephone call is received by the iPhone, noise may be output from this device.
• If the iPod is connected using an iPod cable (commercially available) that is longer than 6.6 ft (2 m), sound may not be played correctly. In this case, use a genuine iPod cable, or a cable that is shorter than 3.3 ft (1 m).
Switching the display

During playback, press INFO.
- The display switches each time INFO is pressed (Remote mode only).

Playing repeatedly (Repeat playback)
((page 34)
(Remote mode only)

Playing random order (Random playback)
((page 34)

Disconnecting the iPod
1 Press (on/standby) to set the standby mode.
2 Disconnect the iPod from the USB port.

Charging the iPod
You can charge your iPhone/iPod by connecting it to the USB port.

Standby charging
If the unit enters power standby mode while the iPod/iPhone is charging, the unit will switch to standby charging mode, and the iPod/iPhone will continue to be charged. When in standby charging mode, the power display light turns orange. When the iPhone/iPod is fully charged, the unit automatically stops supplying power for charging and enters normal power standby mode, and the power display light turns red.
USB memory device playback

You can playback music stored on a USB memory device using this unit.

USB memory device (page 47)

Playing files stored on USB memory devices

1 Connect the USB memory device to the USB port.

2 Press \(\bigcirc\) (on/standby) to turn on power to the main unit.

3 Press USB to switch the input source to “USB”.
   • For details on selecting the input source using the unit buttons, see “Selecting the input source using the main unit” (page 21).

4 Press \(\bigtriangledown\) to select the file or folder, then press ENTER or \(\uparrow\).

5 Press \(\bigtriangledown\) to select the file, then press ENTER, \(\uparrow\) or \(\uparrow\)/\(\downarrow\).
   Playback starts.

   • 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 Layer-3” standards.
   • 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, use the AC adapter.

   • USB memory devices will not work via a USB hub.
   • It is not possible to connect and use a computer via the USB port of this unit using a USB cable.
   • Do not use an extension cable when connecting a USB memory device. This may cause radio interference with other devices.
   • Files can be read from a USB memory device by connecting the device to this unit. The file reading time varies according to the amount of data saved on the USB memory device. Several minutes may be required to read the maximum permissible number of files and folders.
   • 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.

   • If the USB memory communication indicator is flashing. Do not remove the USB memory device from the unit when the USB memory communication indicator is flashing. Doing so may damage the USB memory device, or may corrupt the files recorded on the USB memory device.

   NOTE

Removing the USB memory device

1 Press \(\bigcirc\) (on/standby) to set the standby mode.

2 Check that the communication indicator on the USB memory device is not flashing, then pull out the USB memory device.

   NOTE

Playing repeatedly (Repeat playback)

Press REPEAT.
   Repeat playback starts.
   • Each time you press REPEAT, the repeat mode is toggled as shown below.

<table>
<thead>
<tr>
<th>Repeat mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-track repeat</td>
<td>Only 1 track plays repeatedly.</td>
</tr>
<tr>
<td>All-track repeat</td>
<td>All tracks within the current playback folder are repeated.</td>
</tr>
</tbody>
</table>

   Repeat off (indicator turns off) Normal playback resumes.

Playing random order (Random playback)

Press RANDOM.
   The indicator on the display is lighted and all tracks in the current playback folder are randomly played back.

   NOTE

Canceling random playback
Press RANDOM.
   The indicator on the display turns off.
### USB operation

<table>
<thead>
<tr>
<th>Operation buttons</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>△▽</td>
<td>Cursor operation</td>
</tr>
<tr>
<td>ENTER or ▶</td>
<td>Enter / Playback</td>
</tr>
<tr>
<td>‹</td>
<td>Display the menu or return to the previous menu</td>
</tr>
<tr>
<td>SEARCH</td>
<td>Character search*1</td>
</tr>
<tr>
<td>◀▶, ▶▶</td>
<td>Skip to previous or next file</td>
</tr>
<tr>
<td>◀▶, ▶▶ (Press and hold)</td>
<td>Fast-reverse the file / Fast-forward the file*2</td>
</tr>
<tr>
<td>▶/‖</td>
<td>Playback / Pause</td>
</tr>
<tr>
<td>■</td>
<td>Stop</td>
</tr>
<tr>
<td>RANDOM</td>
<td>Random playback*3</td>
</tr>
<tr>
<td>REPEAT</td>
<td>Repeat playback</td>
</tr>
</tbody>
</table>

*1 Press SEARCH, then press ENTER to select the first letter you want to search mode.

*2 This function is available while an MP3 / WAV / AAC / FLAC file is being played back.

*3 During random playback of files stored on a USB memory device, each time playback of a track is completed, another track is randomly selected for playback from tracks in the folder.

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

### Switching the display

During playback, press INFO.

- The display switches each time INFO is pressed.

![Diagram showing Artist name and Album name]

**Artist name** → **Album name**

File type/Bit rate or Sampling Frequency

<table>
<thead>
<tr>
<th>Artist name</th>
<th>Album name</th>
</tr>
</thead>
</table>

---

USB memory device playback

---

Preparation

Operation

Information
**AirPlay function**

Enjoy music from your iTunes library with high quality sound anywhere in your home.
Use the Apple Remote app* for iPhone, iPod touch and iPad to control iTunes from any room in your home.

* Available as a free download from the App Store.

**Streaming music stored in iPhone, iPod touch, or iPad directly to the unit**

If you update your “iPhone/iPod touch/iPad” to iOS 4.2.1 or later, you can stream music stored in your “iPhone/iPod touch/iPad” directly to this unit.

1. **Startup iPhone, iPod touch, or iPad music or iPod app.**
   - is displayed on the iPhone, iPod touch or iPad screen.

2. **Tap the AirPlay icon.**
   - Set “Network Control” (page 17) to “On” for this unit.
   - When “Network Control” is set to “On”, the unit consumes slightly more power in standby mode than when it is in “Network Control – Off” mode. It is still a small amount, however.

3. **Select the speaker you want to use.**

---

**Playing iTunes music on this unit**

1. **Install iTunes 10, or later, on a Mac or PC that is connected to the same network as this unit.**

2. **Turn this unit ON.**
   - Set “Network Control” (page 17) to “On” for this unit.
   - **NOTE**
     When “Network Control” is set to “On”, the unit consumes more standby power.

3. **Launch iTunes and click the AirPlay icon displayed in the lower right of the window and select this unit from the list.**

4. **Choose a song and click play in iTunes.**
   - The music will stream to this unit.

---

**Selecting multiple speakers (devices)**

You can easily stream music from iTunes to multiple speakers in your home.

1. **Click the AirPlay icon and select “Multiple Speakers” from the list.**

2. **Check the speakers you want to use.**
Perform iTunes playback operations with the remote control unit of this unit
You can use your Marantz remote control to play and pause iTunes, as well as skip to next and previous tracks.

1 Select “Edit” – “Preferences...” on the menu.

2 Select “Devices” in the iTunes setting window.

3 Check “Allow iTunes audio control from remote speakers”, and then click “OK”.

---

- Input source will be switched to “AirPlay” when AirPlay playback is started.
- You can stop AirPlay playback by pressing the < or choosing other input source.
- To see artist name or album name together, press INFO.
- For information about how to use iTunes, also see the Help for iTunes.
- The screen may differ depending on the OS and software versions.
- When you connect iPod to the USB connector during AirPlay playback, AirPlay playback stops.
Remote play function

You can use your home network to play back with this unit music files stored on PC, NAS, smart phones and portable audio players. In this case, you use PC, smart phones and portable audio players for operations.

- The relevant devices should comply with the DLNA (Digital Living Network Alliance) Ver. 1.5 standard.
- A wireless LAN environment is required for playing back music files on smart phones or portable audio players.
- For some smart phones, you must install an application for DLNA music playback.

Roles each device plays

The following devices are used for Remote Play. As specified in the DLNA standard, these devices are called DMC, DMS or DMR according to their role.

<table>
<thead>
<tr>
<th>Name</th>
<th>Device example</th>
<th>Role</th>
</tr>
</thead>
</table>
| DMC (Digital Media Controller) | • PC  
• Smart phone  
• Portable audio player | Performs Remote Play operations. DMC can also play back music files stored on these devices. |
| DMS (Digital Media Server)  | • PC  
• NAS (Network Attached Storage) | Stores music files. Music files stored on these devices are played back with DMC. |
| DMR (Digital Media Renderer) | • This unit | Outputs audio of music files played back through Remote Play from speakers. DMR cannot perform playback operations. |

Files that can be played back

See “About Music server” (page 48).

Settings required for each device

You must make settings on DMC and DMS for Remote Play. Make the following settings. Also see the owner’s manual of each device for settings.

- Settings on PC and NAS
  Make settings on PC and NAS to exchange data with DMR devices.
  For settings, see “Applying media sharing settings” (page 24).

- Settings on smart phones
  You must install an application for DLNA music playback on your smart phone to perform operations on DMS and this unit (DMR) with your smart phone. The applicable application differs according to your smart phone.

- Settings on portable audio players
  Make settings so that this unit (DMR) can play back music files stored on your portable audio player. For settings, see the owner’s manual of your portable player.

- Settings on this unit
  Connect this unit to the DLNA network. You do not need to make other settings.
  For the network connection, see the provided Getting Started, “Connecting to a home network (LAN)” (page 9) and “Setting the network [Network]” (page 15).

Remote Play operations

Operations are different for each device, but the procedures for preparing for Remote Play are the same. The preparation procedures are shown below.

1. Turn on this unit.
   • Make sure that this unit is connected to the network.

2. Display the music file playback screen on DMC.
   • For PC, open Windows Media Player 12, etc.
   • For smart phones, switch to the music file playback mode.

3. Select the friendly name of this unit for the item that sets the playback device on the playback screen.
   • The default friendly name of this unit is “Marantz NA-11S1”.

4. Start playing back a music file on DMC.
   • The function on this unit automatically switches to Music Server and the Remote Play mark appears on the display. Remote Play starts.

To exit Remote Play

Press ↓. The Remote Play mode ends.
Web control function

You can control this unit from a web control screen on a web browser.

- This unit and the PC need to be connected to the network properly (page 8 “Connecting to a home network (LAN)”) in order to use the web control function.
- Depending on the settings of your security-related software, you may not be able to access this unit from your PC. If this is the case, then change the settings of the security-related software.

1 Switch the “Network Control” setting to “On” (page 17).

2 Check the IP address of this unit with “Network Information”.

   ![Network Information](image)

3 Start up the web browser.

4 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/”.

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

   ![Top Menu](image)

   - Click when you perform a power operation of the unit.
   - 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.
   - Click to operate the Marantz amp connected by Remote connector cable (page 9).
   - Click “v” to set the sleep timer function.
   - Click a button to change the input source.
   - Click an item to make a FILTER settings.
   - Click when you operate the setup menu.

   ![Top Menu](image)
6 Operate.

[Network Setting]

**Friendly Name setting**
10 To change the Friendly Name, enter the new name in the text box and click “Set”.
11 To reset the Friendly Name, click “Set Default”.

**Network connection settings**
12 Click to connect using the newly applied settings.
13 When changing DHCP/proxy settings, input or select for each item.
14 Click when you update firmware (page 13).

**NOTE**
- Items displayed may vary depending on selected items and connection status.
- After selecting each item, wait a moment for the display to be updated.
- To apply network connection settings, click “Test Connection” after making changes.
Using as a D/A converter

Digital audio signals input from an external device or computer into this unit can be converted and output as analog signals using this unit (D/A converter).

Connect and playback from a digital device (Coaxial/Optical)

Press DIGITAL IN to change the input source to “Coaxial” or “Optical”.

The input digital audio signal is displayed as shown.

“Coaxial” or “Optical”

PCM xxxx kHz” or “PCM xxxx kHz”

(“xxxx” indicates the sampling frequency.)

• If the sampling frequency cannot be detected, “Signal Unlock” will be displayed.

NOTE
• Linear PCM signals with sampling frequencies of 32 kHz, 44.1 kHz, 48 kHz, 64 kHz, 88.2 kHz, 96 kHz, 176.4 kHz and 192 kHz can be input in the unit.
• Do not input non-PCM signals, such as Dolby Digital, and DTS. This causes noise and could damage the speakers.
• If the sampling frequency switches, such as from A mode to B mode in a CS broadcast, muting may operate for 1 – 2 seconds, cutting the sound.

Connecting and playing back from a computer (USB)

This unit can play both PCM source and DSD source.

Installing the dedicated driver

Before music files saved on a computer can be played on this unit, the dedicated driver must be downloaded from the Marantz website, and installed in the computer. However, drivers do not need to be installed for Mac OS.

NOTE
• The dedicated driver must be installed in the computer before this unit is connected to a computer. Operation will not occur correctly if connected to the computer before the dedicated driver has been installed. Moreover, if the computer is running Windows XP as its OS, the computer’s speed will decrease significantly, and a computer restart may be required.
• Operation may fail in some computer hardware and software configurations.

Computer (recommended system)

OS
• Windows® XP Service Pack3, Windows® Vista, Windows 7 or Windows 8
• Macintosh OS X 10.6.4 or later.

Software
• Server software supporting Windows Media Player® and iTunes.

USB
• USB 2.0: USB High speed/USB Audio Class V2.0

NOTE
• DSD is a registered trademark.
• Microsoft, Windows XP, Windows Vista, Windows 7 and Windows 8 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
• Apple, Macintosh and Mac OS are trademarks of Apple Inc., registered in the U.S. and other countries.

Connection

Use the rear panel USB port to connect this unit to a personal computer. For the connection procedure, refer to the “PC connection” (See page 2) section.

Press DIGITAL IN to change the input source to “PC”.

The input digital audio signal is displayed as shown.

“PC PCM xxxx kHz” or “PC DSD xxxx MHz”

(“xxxx” indicates the sampling frequency.)

• If the sampling frequency cannot be detected, “Signal Unlock” will be displayed.
• When “PC/PCM xxxx kHz” is displayed on this unit, wait for approximately 10 seconds, and then start and operate the music playback software on the computer. This unit functions as a D/A converter.

NOTE
• Perform operations such as playback and pause on the computer. At this time, you cannot perform operations with buttons on this unit or the remote control.
• You can also control the volume and equalizer on the computer. Enjoy playing music at the desired volume.
• When this unit is functioning as a D/A converter, sound is not output from the computer’s speakers.
• If the computer is disconnected from this unit while the computer music playback software is running, the playback software may freeze. Always exit the playback software before disconnecting the computer.
• When an abnormality occurs on the computer, disconnect the USB cable and restart the computer.
• The supported sampling frequencies are 32 / 44.1 / 48 / 64 / 88.2 / 96 / 176.4 / 192 kHz (PCM) and 2.8224 MHz (DSD).
• The sampling frequency of the music playback software and sampling frequency displayed on this unit may differ.
• Use a cable that is 10 ft (3 m) or less to connect to the computer.
Other functions

Inputting characters

On this unit, the names displayed for “Friendly Name” and search, screens can be changed as desired. For inputting characters, there are two methods, as shown below.

<table>
<thead>
<tr>
<th>Method</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using the number buttons</td>
<td>• Operating with the remote control.</td>
</tr>
<tr>
<td></td>
<td>• Multiple characters are assigned to a button, and each time the button</td>
</tr>
<tr>
<td></td>
<td>is pressed, a character is switched.</td>
</tr>
<tr>
<td>Using the cursor buttons</td>
<td>• Operating with the remote control or the main unit.</td>
</tr>
<tr>
<td></td>
<td>• Use [uio] and [ENTER] to input characters.</td>
</tr>
</tbody>
</table>

Display of an input screen

[friendly name input]

- The current input character type is displayed.
- a: Lower case
- A: Upper case
- 1: Numerics
- ä: Lowercase characters with a diacritical mark
- Ä: Uppercase characters with a diacritical mark

Using the number buttons

1. Display the screen for inputting characters.
2. Place the cursor at the character to be changed with \(\langle\rangle\).
3. Press +10 to select the character type (upper case, lower case, or numeric characters), and press 0 – 9 to select the desired character.

- When you enter the Spotify account and Search text, you can select character types with a diacritical mark.
- The types of characters that can be input are as shown below.

   - 1 . @ - _ / : " | "
   - m n o M N O
   - a b c A B C
   - d e f D E F
   - g h i H I 4
   - j k l J K L
   - 0 (Space) ! " # $ % & ' ( ) * + ; < = > ? [ \ ] ^ ` {'}

- Press \[CLEAR\] to delete the character.
- For entering the characters assigned to one number button continuously, press \[\downarrow\] to move the cursor to the right after entering a character then enter the next character.
- For entering characters assigned to separate buttons, press the number button continuously. The cursor automatically moves to the next position, and the entered character is registered.

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

Example: For changing characters from “POPS” to “ROCK”

1. Place the cursor at “P”. \(\Rightarrow\) P O P S
2. Press \[CLEAR\]. \(\Rightarrow\) O P S
3. Press +10 to set the character type to upper case. \(\Rightarrow\) R O P S
4. Press \[\downarrow\] three times. \(\Rightarrow\) R O C P S
5. Press \[\downarrow\] twice. \(\Rightarrow\) R O C P S
6. Press \[\downarrow\] three times. \(\Rightarrow\) R O C P S
7. Press \[\downarrow\] once. \(\Rightarrow\) R O C P S
8. Place the cursor at “P”. \(\Rightarrow\) R O C P S
9. Press \[CLEAR\] twice. \(\Rightarrow\) R O C P S
10. Press \[ENTER\] to register the input name.
Using the cursor buttons

1 Display the screen for inputting characters.

2 Use ◄ ► to set the cursor to the character you want to change.

3 Use △ ▽ to change the character.

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

<table>
<thead>
<tr>
<th>Lower case characters</th>
<th>Upper case characters</th>
</tr>
</thead>
<tbody>
<tr>
<td>abcdefghijklmnopqrstuvwxyz</td>
<td>ABCDEFGHIJKLMNOPQRSTUVWXYZ</td>
</tr>
<tr>
<td>Symbols</td>
<td>!&quot;#$%&amp;'()*)+,-./:;&lt;=&gt;?@[]^_`{</td>
</tr>
<tr>
<td>Numbers</td>
<td>0123456789 (Space)</td>
</tr>
</tbody>
</table>

• Press CLEAR to delete the character.
• Press ►► to insert a space.

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

Auto power on function

Press ►/II.
The unit’s power turns on automatically, the previously selected source is played back.

Last function memory

This stores the settings as they were immediately before going into the standby mode.
When the power is turned back on, the settings are restored to as they were immediately before going into the standby mode.
Information

Here, we list various information related to this unit. Please refer to this information as needed.

- Part names and functions  page 45
- Other information  page 47
- Explanation terms  page 50
- Troubleshooting  page 52
- Specifications  page 56
- Index  page 57
Part names and functions

For buttons not explained here, see the page indicated in parentheses ( ).

Front panel

1. DIMMER button (22)
2. USB port (32, 34)
   Used to connect iPod or USB memory devices.
3. INPUT button (21, 56)
   Selects the input source.
4. Power operation switch (ON/STANDBY) (21)
5. Headphones jack (PHONES) (22)
   Used to connect headphones.

NOTE
To prevent hearing loss, do not raise the volume level excessively when using headphones.

6. Headphone volume control knob (LEVEL) (22)
7. Information button (INFO) (23, 25, 27, 28, 30, 33, 35, 37)
8. Stop button ( ) (23, 25, 27, 28, 30, 32, 35)
9. Play/Pause button (►/II) (27, 28, 30, 32, 34, 43)
10. Illumination lamp (22)
11. Cursor buttons (△▼◄►) (11, 12, 15, 18, 23, 31, 32, 34, 42)
12. ENTER button (11, 12, 15, 18, 23, 31, 32, 34, 42)
13. Display
   Displays play status, settings, etc.
14. STANDBY indicator (21)
   Turns power to this unit on and off (standby).
   The STANDBY indicator changes as shown below according to the status of the unit.
   • Power on : Off
   • Standby : Red
   • “Network Control” – “On” : Orange
   • iPod charge standby : Orange
15. Digital out off indicator (DIGI. OUT OFF) (18)
16. DISPLAY OFF indicator (22)
17. Remote control sensor (4)
18. Skip/Search buttons (◄◄, ►►) (31)

Rear panel

1. ANALOG OUT connectors (UNBALANCED/BALANCED) (6)
2. DIGITAL OUT connectors (7)
3. DIGITAL IN connectors (7)
4. NETWORK connector (8)
5. REMOTE CONTROL connectors (IN/OUT) (9)

1. External/Internal switch (EXT./INT.) (9)
2. AC inlet (AC IN) (10)
3. RS-232C connector (9)
4. FLASHER IN jack (IN) (9)

ANALOG OUT connectors
- UNBALANCED: RCA connectors
- BALANCED: XLR connectors

DIGITAL OUT connectors
- Coaxial: RCA connector
- Optical: SC-connector

DIGITAL IN connectors
- Coaxial: RCA connector
- Optical: SC-connector
- USB: USB port

NETWORK connector
- RJ-45 connector

REMOTE CONTROL connectors
- IN: Remote control input
- OUT: Remote control output
The supplied remote control can operate Marantz amplifiers.
When using it, also refer to the operating instructions of the other devices.

NOTE
The remote control may not operate some devices.
Other information

iPod

“Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

AirPlay, the AirPlay logo, iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

• Individual users are permitted to use iPhone, iPod, iPod classic, iPod nano, iPod shuffle, and iPod touch for private copy and playback of non-copyrighted contents and contents whose copy and playback is permitted by law. Copyright infringement is prohibited by law.

USB memory device

Playing back music files recorded on a USB memory device.

Important information

• 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.
• This unit is compatible with MP3 files conforming to “MPEG-1 Audio Layer-3” standards.
• File types that this unit can play back and specifications are shown below.

[Supported file types]

<table>
<thead>
<tr>
<th>Supported file types</th>
<th>USB memory devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMA (Windows Media Audio)</td>
<td>✓ #2</td>
</tr>
<tr>
<td>MP3 (MPEG-1 Audio Layer-3)</td>
<td>✓</td>
</tr>
<tr>
<td>WAV</td>
<td>✓</td>
</tr>
<tr>
<td>MPEG-4 AAC</td>
<td>✓ #3</td>
</tr>
<tr>
<td>FLAC (Free Lossless Audio Codec)</td>
<td>✓</td>
</tr>
<tr>
<td>ALAC (Apple Lossless Audio Codec)</td>
<td>✓</td>
</tr>
</tbody>
</table>

*1 USB memory device
• This unit is compatible with MP3 ID3-Tag (Ver. 2) standard.
• This unit is compatible with WMA META tags.
• WAV format Quantization bit length: 16 or 24 bits.
• FLAC format Quantization bit length: 16 or 24 bits.

*2 Only files that are not protected by copyright can be played on this unit.

NOTE

File types that this unit does not support are not displayed.

[Compatible formats]

<table>
<thead>
<tr>
<th>Format</th>
<th>Sampling frequency</th>
<th>Bit rate</th>
<th>Bit length</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMA (Windows Media Audio)</td>
<td>32/44.1/48 kHz</td>
<td>48 – 192 kbps</td>
<td>–</td>
<td>.wma</td>
</tr>
<tr>
<td>MP3 (MPEG-1 Audio Layer-3)</td>
<td>32/44.1/48 kHz</td>
<td>32 – 320 kbps</td>
<td>–</td>
<td>.mp3</td>
</tr>
<tr>
<td>WAV</td>
<td>32/44.1/48/88.2/96/176.4/192 kHz</td>
<td>–</td>
<td>16 / 24 bit</td>
<td>.wav</td>
</tr>
<tr>
<td>MPEG-4 AAC</td>
<td>32/44.1/48 kHz</td>
<td>16 – 320 kbps</td>
<td>–</td>
<td>.aac/.m4a/.mp4</td>
</tr>
<tr>
<td>FLAC (Free Lossless Audio Codec)</td>
<td>32/44.1/48/88.2/96/176.4/192 kHz</td>
<td>–</td>
<td>16 / 24 bit</td>
<td>.flac</td>
</tr>
<tr>
<td>ALAC (Apple Lossless Audio Codec)</td>
<td>32/44.1/48/88.2/96 kHz</td>
<td>–</td>
<td>16 / 24 bit</td>
<td>.m4a</td>
</tr>
</tbody>
</table>

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NOTE

Variable Bit rate (VBR) is not supported (when playback is possible, the time display in the display window will speed up and slow down).
**Network audio**

### 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.
  - 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**: [http://www.radiomarantz.com](http://www.radiomarantz.com)

- 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.

### About Music server

This function lets you play music files and playlists (m3u, wpl) stored on a computer (music 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

**[Types of files that can be played back by each function]**

<table>
<thead>
<tr>
<th>File Format</th>
<th>Internet radio</th>
<th>Music server</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMA (Windows Media Audio)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MP3 (MPEG-1 Audio Layer-3)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>WAV</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MPEG-4 AAC</td>
<td>✓†</td>
<td>✓</td>
</tr>
<tr>
<td>FLAC (Free Lossless Audio Codec)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ALAC (Apple Lossless Audio Codec)</td>
<td>✓†</td>
<td>✓</td>
</tr>
</tbody>
</table>

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

†1 Music server
- This unit is compatible with MP3 ID3-Tag (Ver. 2) standard.
- This unit is compatible with WMA META tags.
- If the image size (pixels) of an album artwork exceeds 500×500 (WMA/MP3/WAV/FLAC) or 349×349 (MPEG-4 AAC), then music may not be played back properly.

†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.

---

**USB memory device**

### Maximum Number of Playable Files and Folder

<table>
<thead>
<tr>
<th>Item</th>
<th>Media</th>
<th>USB memory devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory capacity</td>
<td>FAT16: 2 GB, FAT32: 2 TB</td>
<td></td>
</tr>
<tr>
<td>Number of folder directory levels</td>
<td>8 levels</td>
<td></td>
</tr>
<tr>
<td>Number of folders</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Number of files</td>
<td>5000</td>
<td></td>
</tr>
</tbody>
</table>

*1 The limited number includes the root folder.
*2 The allowable number of files may differ according to the USB memory device capacity and the file size.

---

**Fixing an image**

1. Select "Image size (pixels)" in the "Setup" menu.
2. Enter the desired pixel size (width and height).

---

**Adjusting a tone**

1. Select "Equalizer" in the "Setup" menu.
2. Choose the desired equalizer setting, or adjust the settings manually.

---

**Listening to Internet radio**

1. Select "Internet Radio" in the "Radio" menu.
2. Choose the desired radio station.
3. Customize the settings according to your preference.

---

**Playing files in a network**

1. Select "File" in the "Media" menu.
2. Choose the desired file or playlist.
3. Listen to the file or playlist as desired.

---

**Troubleshooting**

1. Check the connection to the network.
2. Restart the device and computer.
3. Check the settings on the network.
4. Contact the service provider if necessary.

---

**Additional information**

- This unit is compatible with MP3 ID3-Tag (Ver. 2) standard.
- This unit is compatible with WMA META tags.
- If the image size (pixels) of an album artwork exceeds 500×500 (WMA/MP3/WAV/FLAC) or 349×349 (MPEG-4 AAC), then music may not be played back properly.

---

**Customer service**

For further assistance, contact Marantz Customer Service.
About Pandora®

Pandora is an automated music recommendation and Internet radio service created by the Music Genome Project. To listen to Pandora you will need a free Pandora account. If you do not have a Pandora account, you can create one at www.pandora.com or from the Pandora smart phone application.

It is necessary to associate this machine with a Pandora account by visiting http://www.pandora.com/marantz from your PC.

About SiriusXM

SiriusXM Internet Radio delivers over 130 channels of the SiriusXM programming you love, including commercial-free music plus sports, talk, news and entertainment. Listen anywhere on your computer, tablet, smart phone or other compatible internet device.

SiriusXM Internet Radio subscription sold separately and available only to those at least 18 years of age residing in the U.S., Canada, and Puerto Rico. To subscribe to SiriusXM Internet Radio in the U.S., U.S. customers should visit www.siriusxm.com or call 1-888-539-7474. Canadian customers should visit www.sirius.ca or call 1-888-539-7474.

About Spotify

Introduce your Marantz to a whole new world of music. With Spotify, you can enjoy instant access to millions of songs.

A Spotify Premium subscription is required. For details, see the Spotify homepage. http://www.spotify.com

Network audio

### Playback file specifications

<table>
<thead>
<tr>
<th>Sampling frequency</th>
<th>Bit rate</th>
<th>Bit length</th>
<th>Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMA (Windows Media Audio)</td>
<td>32/44.1/48 kHz</td>
<td>128 – 192 kbps</td>
<td>.wma</td>
</tr>
<tr>
<td>MP3 (MPEG-1 Audio Layer-3)</td>
<td>32/44.1/48 kHz</td>
<td>32 – 320 kbps</td>
<td>.mp3</td>
</tr>
<tr>
<td>WAV</td>
<td>32/44.1/48 kHz</td>
<td>–</td>
<td>.wav</td>
</tr>
<tr>
<td>MPEG-4 AAC</td>
<td>32/44.1/48 kHz</td>
<td>16 – 320 kbps</td>
<td>.aac/.m4a/.mp4</td>
</tr>
<tr>
<td>FLAC (Free Lossless Audio Codec)</td>
<td>32/44.1/48 kHz</td>
<td>–</td>
<td>.flac</td>
</tr>
<tr>
<td>ALAC (Apple Lossless Audio Codec)</td>
<td>32/44.1/48 kHz</td>
<td>–</td>
<td>.m4a</td>
</tr>
</tbody>
</table>

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**NOTE**

- Particularly when you play back large music files, depending on your wireless LAN environment, the playback sound may be interrupted. In this case, make the wired LAN connection.
- Variable Bit rate (VBR) is not supported (when playback is possible, the time display in the display window will speed up and slow down).
This is an audio data recording method. Audio standards include "MPEG-1 Audio", "MPEG-2 Audio", "MPEG-4 AAC", "WAV", and "MP3".

Apple Inc. This codec can be played back on iTunes, iPod or iPhone. Data compressed to approximately 60 – 70% can be decompressed to exactly the same original data.

App Store App Store is a site that sells application software for such devices as the iPhone or iPod Touch, and is operated by Apple Inc.

Bit rate
This expresses the read amount per 1 second of video/audio data recorded in a disc. A larger number means higher sound quality, but also means a larger file size.

D

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.

DSD (Direct-Stream Digital)
This is an audio data recording method. Audio signals are stored on media such as Super Audio CDs as delta-sigma modulated digital audio. The signal is composed of single-bit values at a sampling rate of 2,822.4MHz.
Windows Media Player Ver. 11 or later
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 or later 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.
To encode WMA files, only use applications authorized by Microsoft Corporation. If you use an unauthorized application, the file may not work properly.
### Troubleshooting

If a problem occurs first check the following:
1. Are the connections correct?
2. Is the set being operated as described in the owner’s manual?
3. Are the other devices operating properly?

If this unit does not operate properly, check the items listed in the table below. If the problem persists, there may be a malfunction. In this case, disconnect the power immediately and contact your retail outlet.

#### General

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Countermeasure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set does not operate properly.</td>
<td>• External noise or interference is causing the set to malfunction.</td>
<td>• Reset the microprocessor.</td>
<td>56</td>
</tr>
<tr>
<td>Display not lit and sound not</td>
<td>• Power cord not plugged in securely.</td>
<td>• Check the connections on the</td>
<td>10</td>
</tr>
<tr>
<td>produced when power switched to</td>
<td></td>
<td>set’s rear panel and the</td>
<td></td>
</tr>
<tr>
<td>on.</td>
<td></td>
<td>connection of the power plug</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>to the power outlet.</td>
<td></td>
</tr>
<tr>
<td>Display lit but sound not</td>
<td>• Wrong input source selected.</td>
<td>• Select the appropriate input</td>
<td>21</td>
</tr>
<tr>
<td>produced.</td>
<td></td>
<td>source.</td>
<td></td>
</tr>
<tr>
<td>Display is off.</td>
<td>• The Dimmer setting is set to “Off”.</td>
<td>• Set to something other than</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“Off”.</td>
<td></td>
</tr>
<tr>
<td>For stereo sources, the</td>
<td>• The connections of the speaker cables or input cables are inverted.</td>
<td>• Check and remedy the</td>
<td>6</td>
</tr>
<tr>
<td>positions of the instruments are</td>
<td></td>
<td>connections.</td>
<td></td>
</tr>
<tr>
<td>inverted.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power turns off suddenly and</td>
<td>• Set is damaged.</td>
<td>• Turn off the power and</td>
<td>–</td>
</tr>
<tr>
<td>STANDBY indicator flashes red.</td>
<td></td>
<td>contact a Marantz service</td>
<td></td>
</tr>
<tr>
<td>(Flashes at 0.25 second intervals)</td>
<td></td>
<td>center.</td>
<td></td>
</tr>
</tbody>
</table>

#### Internet radio/Music server/iPod/USB memory device/SiriusXM

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Countermeasure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>When a USB memory device is connected, “USB” is not</td>
<td>• The set cannot recognize a USB memory device.</td>
<td>• Check the connection.</td>
<td>34</td>
</tr>
<tr>
<td>displayed.</td>
<td></td>
<td>• Connect a USB memory device</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td></td>
<td>conforming to mass storage</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>class or MTP standards.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• A USB memory device that</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>the set cannot recognize is</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>connected.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• USB memory device is</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>connected via USB hub.</td>
<td></td>
</tr>
<tr>
<td>iPod cannot be played.</td>
<td>• The input source is set to something other than “USB”.</td>
<td>• Switch the input source to</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“USB”.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Cable is not properly</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>connected.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Reconnect.</td>
<td>32</td>
</tr>
<tr>
<td>The file names are not displayed properly (“...”, etc.).</td>
<td>• Characters that cannot be displayed are used.</td>
<td>• This is not a malfunction.</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td></td>
<td>On this unit, characters that</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>cannot be displayed are</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>replaced with a “.” (period).</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use tags that are supported</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>by this unit.</td>
<td></td>
</tr>
</tbody>
</table>

---

See overleaf
### Symptom: Music stored on a NAS cannot be played.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Countermeasure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>• DLNA server function is disabled.</td>
<td>• If you use a NAS in conformity with the DLNA standard, enable the DLNA server function in the NAS setting.</td>
<td>24</td>
</tr>
<tr>
<td>• NAS that does not conform with the DLNA is used.</td>
<td>• If you use a NAS that does not conform with the DLNA standard, play the music via a PC. Set Windows Media Player’s media sharing function and add NAS to the selected play folder.</td>
<td></td>
</tr>
<tr>
<td>• The connection is restricted.</td>
<td>• If connection is restricted, set audio equipment as the connection target.</td>
<td></td>
</tr>
</tbody>
</table>

### Symptom: Server is not found, or it is not possible to connect to the server.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Countermeasure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>• The computer’s or router’s firewall is activated.</td>
<td>• Check the computer’s or router’s firewall settings.</td>
<td></td>
</tr>
<tr>
<td>• Computer’s power is not turned on.</td>
<td>• Turn on the power.</td>
<td></td>
</tr>
<tr>
<td>• Server is not running.</td>
<td>• Launch the server.</td>
<td></td>
</tr>
<tr>
<td>• Set’s IP address is wrong.</td>
<td>• Check the set’s IP address.</td>
<td>15</td>
</tr>
</tbody>
</table>

### Symptom: Internet radio cannot be played.

<table>
<thead>
<tr>
<th>Cause</th>
<th>Countermeasure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>• LAN cable is not properly connected or network is disconnected.</td>
<td>• Check the connection status.</td>
<td>8</td>
</tr>
<tr>
<td>• Program is being broadcast in non-compatible format.</td>
<td>• Only Internet radio programs in MP3 and WMA can be played on this set.</td>
<td>48</td>
</tr>
<tr>
<td>• The computer’s or router’s firewall is activated.</td>
<td>• Choose a radio station that is currently broadcasting.</td>
<td></td>
</tr>
<tr>
<td>• Radio station is not currently broadcasting.</td>
<td>• Check the set’s IP address.</td>
<td>23</td>
</tr>
<tr>
<td>• IP address is wrong.</td>
<td>• Wait a while before trying again.</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>• It is not possible to connect to radio stations that are no longer in service.</td>
<td></td>
</tr>
<tr>
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<td>• Only Internet radio programs in MP3 and WMA can be played on this set.</td>
<td></td>
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<td></td>
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### Symptom: Files stored on a computer cannot be played.

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<td>• Files are stored in a non-compatible format.</td>
<td>• Record in a compatible format.</td>
<td>48</td>
</tr>
<tr>
<td>• You are attempting to play a file that is copyright protected.</td>
<td>• Files that are copyright protected cannot be played on this set.</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>• Connection to the network is unstable.</td>
<td>8, 15</td>
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</tr>
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<td>Symptom</td>
<td>Cause</td>
<td>Countermeasure</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>For some radio stations, “Server Full” or “Connection Down” is</td>
<td>• Station is congested or not currently broadcasting.</td>
<td>• Wait a while before trying again.</td>
</tr>
<tr>
<td>displayed and station cannot be connected to.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sound is broken during playback.</td>
<td>• Network’s signal transfer speed is slow or communications lines or</td>
<td>• This is not a malfunction. When playing broadcast data with a high bit rate,</td>
</tr>
<tr>
<td></td>
<td>radio station is congested.</td>
<td>the sound may be broken, depending on the communications conditions.</td>
</tr>
<tr>
<td>Sound quality is poor or played sound is noisy.</td>
<td>• File being played has a low bit rate.</td>
<td>• This is not a malfunction.</td>
</tr>
</tbody>
</table>

### Pandora®

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Countermeasure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot login to Pandora. (“Email address” or “Password” is</td>
<td>• Login information is incorrect.</td>
<td>• Check if the “Email address” for Pandora has been properly entered. Re-enter</td>
</tr>
<tr>
<td>displayed.)</td>
<td></td>
<td>the “Password”. (Password is not displayed.)</td>
</tr>
<tr>
<td>“Account is no longer active” is displayed.</td>
<td>• Your account has expired.</td>
<td>• Obtain a new account.</td>
</tr>
<tr>
<td>“Pandora is only available for use in United States” is displayed.</td>
<td>• You are trying to access from a country where Pandora is not</td>
<td>• Pandora is not available in all countries. Please check</td>
</tr>
<tr>
<td>“Incorrect Email or Password” is displayed.</td>
<td>• You entered an incorrect account or password for the</td>
<td>• Enter the correct email address and password.</td>
</tr>
<tr>
<td></td>
<td>login authentication.</td>
<td></td>
</tr>
<tr>
<td>“No skips remaining” is displayed.</td>
<td>• You may only skip up to 6 tracks per station, per hour (and free</td>
<td>• Unfortunately, our music licenses force us to limit the amount of tracks</td>
</tr>
<tr>
<td></td>
<td>Pandora accounts are limited to 12 skips per day). When the skips</td>
<td>you can skip in an hour.</td>
</tr>
<tr>
<td></td>
<td>are used up, no more forward/skip operation is available.</td>
<td></td>
</tr>
<tr>
<td>“100 Station Limit” is displayed.</td>
<td>• You have already registered 100 stations. You cannot register a</td>
<td>• Reduce the number of stations to fewer than 100.</td>
</tr>
<tr>
<td></td>
<td>new station.</td>
<td></td>
</tr>
<tr>
<td>“Please Try Again Later” is displayed.</td>
<td>• Pandora is performing system maintenance.</td>
<td>• Please try again later.</td>
</tr>
</tbody>
</table>
### AirPlay

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Countermeasure</th>
<th>Page</th>
</tr>
</thead>
</table>
| The AirPlay icon is not displayed in iTunes or on the iPhone/iPod touch. | • This unit and the computer or iPhone/iPod touch are not connected to the same network (LAN).  
• iTunes or the iPhone/iPod touch do not have firmware that supports AirPlay installed. | • Connect the computer or iPhone/iPod touch to the same network as this unit.  
• Update to the latest firmware.                                            | 5    |
| No sound.                                                              | • This unit is not selected in the screen that is displayed when iTunes or the iPhone/ iPod touch is started. | • Start iTunes or switch on the iPhone/iPod touch, click the AirPlay icon in the displayed screen, and select this unit. | 36   |
| When using AirPlay with the iPhone/iPod touch/ iPad, the sound suffers from intermittent breaks or AirPlay does not function. | • Some applications are running in the background on iPhone/iPod touch/iPad.  
• When playing via a wireless connection, outside conditions may affect the unit.  
• The iPhone/iPod touch/iPad application or iTunes is not the latest version. | • Quit the application running in the background of the iPhone/iPod touch/iPad, and then play using AirPlay.  
• To remedy this, change the network environment, e.g. shorten the distance to the wireless LAN access point.  
• Update the iPhone/iPod touch/iPad application or iTunes to the latest version. | –    |

### Remote control

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Countermeasure</th>
<th>Page</th>
</tr>
</thead>
</table>
| Set does not work properly when remote control operated.               | • Batteries are worn.  
• You are operating outside of the specified range.  
• Obstacle between main unit and remote control.  
• The batteries are not inserted in the proper direction, as indicated by the polarity marks in the battery compartment.  
• The set’s remote control sensor is exposed to strong light (direct sunlight, fluorescent light, etc.). | • Replace with new batteries.  
• Operate within the specified range.  
• Remove the obstacle.  
• Insert the batteries in the proper direction, following the polarity marks in the battery compartment.  
• Move the set to a place in which the remote control sensor will not be exposed to strong light. | 4    |

---
Reseting 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 and all previously stored custom settings will be have to be manually restored.

1 Pull the power cord out of the power outlet.
2 Plug the power cord into a power outlet while pressing ENTER and INPUT on the main unit.
3 When the STANDBY indicator lights, release the buttons. “Initialized” appears in the display.

If “Initialized” does not display in step 3, start over from step 1.

Specifications

Audio performance

- Analog output
  - Channels: 2 channels
  - Playable frequency range: 2 Hz – 96 kHz
  - Playable frequency response:
    - 2 Hz – 50 kHz (–3 dB) (DSD mode, PCM sampling frequency: 192 kHz)
    - 2 Hz – 20 kHz (PCM sampling frequency: 44.1 kHz)
  - S/N: 110 dB (Audible Range)
  - Dynamic Range: 110 dB (Audible Range)
  - Harmonic Distortion: 0.001 % (1 kHz, Audible Range)
- Output Level
  - Unbalanced: 2.3 V RMS Stereo
  - Balanced: 4.6 V RMS Stereo
  - Headphone output: 30 mW/32 Ω/ohms (variable maximum)
- Digital output
  - Coaxial: 0.5 Vp-p
  - Optical: –19 dBm
- Digital input
  - Coaxial: 0.5 Vp-p
  - Optical: –27 dBm or later
  - USB (Front): USB Type A (USB 2.0 High speed)
  - USB (Rear): USB Type B (USB 2.0 High speed)

Power supply

- Power supply voltage/frequency: AC 120 V, 60 Hz
- Power consumption: 50 W
- Power consumption in standby mode: 0.4 W
- Power consumption in “Network Control” – “On” mode: 3 W

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### lcURL

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