

# marantz®

**Model DH9300 User Guide**

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**MUSIC SERVER**

CLASS 1 LASER PRODUCT  
LUOKAN 1 LASERLAITE  
KLASS 1 LASERAPPARAT

**COMPACT**  
**disc**  
DIGITAL AUDIO

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The information in this guide is believed to be correct as of the date of publication. However our policy is one of continuous development and so the information in this guide is subject to change without notice, and does not represent a commitment on the part of Marantz.

This guide was designed and produced by Imerge Ltd.

## XIVA™ NEW MEDIA BROUGHT TO LIFE

XiVA™ is a highly portable software framework that powers next-generation media appliances. XiVA blends hard disk technology, advanced software design, and embedded Internet technology to provide amazing features. Audio, video, text, graphics, and all forms of streaming new media are all brought to life through a wealth of interactive user interface options. Powerful personalised software accesses on-line content like never before. The next generation media appliance is powered by XiVA.

## ENGLISH

### WARRANTY

For warranty information contact your local Marantz distributor.

### RETAIN YOUR PURCHASE RECEIPT

Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Marantz.

### IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

### FOR U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

## FRANÇAIS

### GARANTIE

Pour des informations sur la garantie, contacter le distributeur local Marantz.

### CONSERVER L'ATTESTATION D'ACHAT

L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sûr pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec Marantz.

### IMPORTANT

Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

## DEUTSCH

### GARANTIE

Bei Garantiefragen wenden Sie sich bitte an Ihren Marantz-Händler.

### HEBEN SIE IHRE QUITTUNG GUT AUF

Die Quittung dient Ihnen als bleibende Unterlage für Ihre wertvolle Anschaffung. Das Aufbewahren der Quittung ist wichtig, da die darin enthaltenen Angaben für Versicherungszwecke oder bei Korrespondenz mit Marantz angeführt werden müssen.

### WICHTIG!

Bei Garantieforderungen muß der Kunde eine Kaufunterlage mit Kaufdatum vorlegen. Ihre Quittung oder Rechnung ist als Unterlage ausreichend.

## ESPAÑOL

### GARANTÍA

Para Información sobre las Condiciones de Garantía, sírvase consultar el Certificado que encontrará en el interior del embalaje del equipo.

### CONSERVE EL COMPROBANTE DE LA COMPRA

La factura es el comprobante de la adquisición de un producto valioso. Consérvela en lugar seguro para poder consultarla en caso necesario.

### IMPORTANTE

Para disponer de servicios cubiertos por la garantía, el usuario deberá acreditar la fecha y el lugar de adquisición del equipo. La factura o recibo de la compra constituyen un comprobante válido a tal efecto.

# Quick Start Guide

## CONTROLS

1. **Output button:** Press this button to display information on the music currently playing. Press this button again to switch to the next output on the MusicServer.
2. **Front panel action keys:** These four keys correspond to the different actions clearly visible by reading the front panel display. For example, in the display opposite, the **✓ Play** action key will commence playback of the selected album. The ✓ symbol indicates that you can also press the ✓ **Select** key on the remote control to commence playback.
3. **Navigation keys:** Move up, down, left, and right through the menu system. The button in the centre selects the currently highlighted option.
4. **Transport keys:** Controls the playback of music on the currently selected output. The **REC** key is an action key used on some menu screens to begin a recording or to modify a playlist.
5. **HDD Audio button:** Press this button to control the Music Server.
6. **Remote control action keys:**
  - Press the **Menu** key to display the main menu at any time.
  - Press the **X** key whenever this symbol is displayed on the TV screen or on the front panel to cancel, exit or delete the current operation according to the information on screen.
  - Press the **i** key whenever this symbol is displayed on the TV screen or on the front panel to edit text information, or confirm a new text entry according to the information on screen.
  - Press the **Home** key to return to the 'home' page of the current function. For instance when browsing the library press this key to return to the **Library** menu.

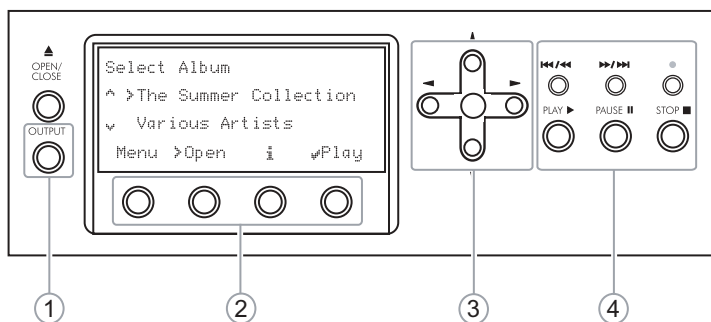


Fig. A - Front panel display

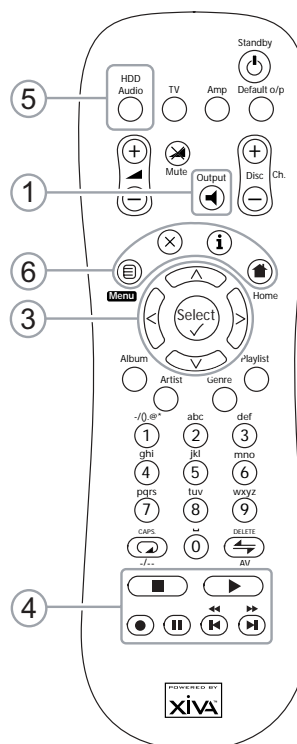


Fig. B - Remote Control

## RECORDING FROM A CD

- Press the **OPEN/CLOSE** key on the front panel to open the CD tray.
- Place a CD in the tray.
- Push the **OPEN/CLOSE** key on the front panel.

The **CD detected** prompt is displayed.

- Press the **Record** action key to proceed.

The **Please select Auto or Custom record** display then allows you to choose whether to do a quick (one touch) record or specify individual record options.

- Press the **Auto** action key to do a one touch recording.


The display confirms when the recording is finished.

**Note:** You can play music from your music library while you are recording a CD.



Fig. C - TV User Interface

## PLAYING MUSIC

- Display the **Main Menu** by pressing the  **Menu** key on your MusicServer remote control, or the **Menu** action key on the front panel.

The **Main Menu** will be displayed.

- Press the **^** and **v** keys to highlight **Library**.
- Press the **✓ Select** action key.

The **Library** menu lets you choose how you want to browse your music collection. You can browse items by album, artist, genre, or playlist.


- Press the **^** and **v** keys to step between categories.

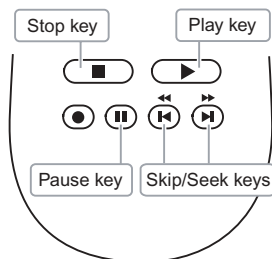
For example, if you select **Albums** you will see an alphabetical list of your album titles.

### To play music


- Use the **^** and **v** keys to highlight the item you would like to play.
- Press the **>** key to view the contents of the selected item.
- Press the **✓ Play** action key.

### To stop play



- Press the  key on the front panel or the MusicServer remote control.





### To pause play

- Press the  key on the front panel or your MusicServer remote control.

### To skip to the next or previous track

- Press the  or  key on the front panel or your MusicServer remote control.

### To seek within a track

- Hold down the  or  key on the front panel or your MusicServer remote control.

Play resumes from the new position when you release the key.

## ENTERING TEXT

### To enter text using the alphanumeric keypad

- Press the **>** or **<** keys to move the cursor to the required position.
- Use the keys on the alphanumeric keypad to enter a letter.

For example to enter S press the **7** key four times, because S is the fourth letter on the **7** key.

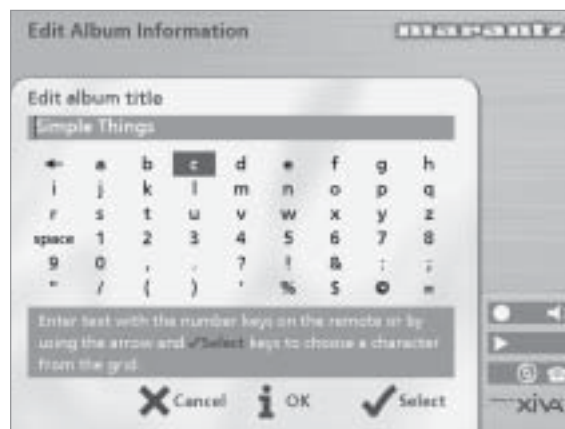
- Press the **DELETE** key on your MusicServer remote control to delete letters.
- Press the **CAPS** key on either the front panel or your MusicServer remote control to switch between upper-case and lower-case letters.

### To select letters from a grid

Alternatively, the **Grid** option provides a convenient way of selecting letters from a grid:

- Press the **v** key to move the cursor into the grid area.

The currently selected letter is highlighted:



- Use the **>**, **<**, **^** or **v** keys to move the cursor and press the **✓ Select** action key to enter each letter.
- Use the **CAPS** key on either the front panel or the MusicServer remote to switch between upper and lower case letters.

If at any time you need to enter text in a different part of the text field, or you want to return to entering text using the alphanumeric keypad:

- Press the **^** key repeatedly until the cursor returns to the text field.


Finally, when you have finished entering the name:

- Press the **i OK** action key.

## SWITCHING ON AND OFF


### To switch to standby mode

**Standby** mode should be used when the MusicServer is not being used for a short period of time. **Do not** remove the power from the MusicServer in this mode.


- Press the **POWER/Standby** key on the front panel or the  **Standby** key on the remote control.
- Press the **✓ Standby** action key to enter standby.

### To switch to off mode

**Off** mode should be used when the MusicServer is not being used overnight (or for several days). When the unit is in off mode it consumes very little power. You can safely remove the power from the MusicServer in this mode.

- Press the **POWER/Standby** key on the front panel or the  **Standby** key on the remote control.
- Press the **i Off** action key to enter off mode.

### To switch on from standby

- Press the **POWER/Standby** key on the front panel or the  **Standby** key on the remote control.

**CONGRATULATIONS ON YOUR PURCHASE OF THIS FINE MARANTZ PRODUCT.**

MARANTZ is on the leading edge of Hard Disk Music products for the consumer market and this unit incorporates the latest technological developments.

We are sure you will be fully satisfied with the MusicServer.

Thank you for your support.

**WARNING:**

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

Do not remove the cover from the equipment. There are no user serviceable parts inside, and opening the case will invalidate your warranty.

Do not insert anything into the equipment through the ventilation holes.

Do not handle the mains lead with wet hands.

To avoid overheating do not position the MusicServer near heat sources, and ensure that the ventilation holes are not blocked.

**CAUTION:** This product contains a lithium battery. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by Marantz. Dispose of batteries according to the manufacturer's instructions.

**IMPORTANT NOTICE**

**[For U.S. model]**

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

**CAUTION:** This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Subpart J, Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications may cause this unit to fail to comply with Part 15 of the FCC Rules and may void the user's authority to operate the equipment.

**CAUTION**

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

**Information to User**

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

**[For Canadian model]**

**NOTE:** This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**ATTENTION:** POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

**[For European model]**

**NOTE:** This product has been designed and type-tested to comply with the limits set out in EN55013, EN55020, EN60950, EN55022: 1998 CLASS B4, EN55024: 1998, FCC RULES PART 15 SUBPART B CLASS B. NS/N29 3548:1995 CLASS B



**CAUTION:**

**LASER SAFETY:** This unit employs a LASER. Only a qualified person should remove the cover or attempt to service the device, due to possible eye injury.

“CAUTION-USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.”

**COPYRIGHT**

This equipment must not be used for unauthorised duplication of CDs or any other works protected by copyright. No license to infringe copyright is granted by the sale of this equipment.

Recording and playback of some material may require permission. For further information refer to the following:

- Copyright Act 1956
- Dramatic and Musical Performers Act 1958
- Performers Protection Acts 1963, and 1972
- Any subsequent statutory enactments and orders.

# IMPORTANT SAFETY INSTRUCTIONS

**READ INSTRUCTIONS** - All the safety and operating instructions should be read before the product is operated.

**KEEP INSTRUCTIONS** - The safety and operating instructions should be kept for future reference.

**HEED WARNINGS** - All warnings on the product and in the operating instructions should be adhered to.

**FOLLOW INSTRUCTIONS** - All operating and use instructions should be followed.

**CLEANING** - Unplug this product from the wall outlet before cleaning. The product should be cleaned only with a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

**ATTACHMENTS** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

**WATER AND MOISTURE** - Do not use this product near water - for example near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

**ACCESSORIES** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

**CART** - A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn:



**VENTILATION** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. Do not block any ventilation openings. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. Install in accordance with the manufacturer's instructions.

**POWER SOURCES** - This product should be operated only from the type of power source indicated on the marketing label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

**LOCATION** - The appliance should be installed in a stable location.

**NONUSE PERIODS** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

**GROUNDING OR POLARIZATION** - If this product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other), it will fit into the outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug does not fit into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only work in a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

**POWER CORD PROTECTION** - Power-supply cords should be protected from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.

**OUTDOOR ANTENNA GROUNDING** - If an outside antenna or cable system is connected to the product be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electric Code. ANSI/NFPA70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.

**LIGHTNING** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

**POWER LINES** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

**OVERLOADING** - Do not overload wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or electric shock.

**OBJECT AND LIQUID ENTRY** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

**SERVICING** - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

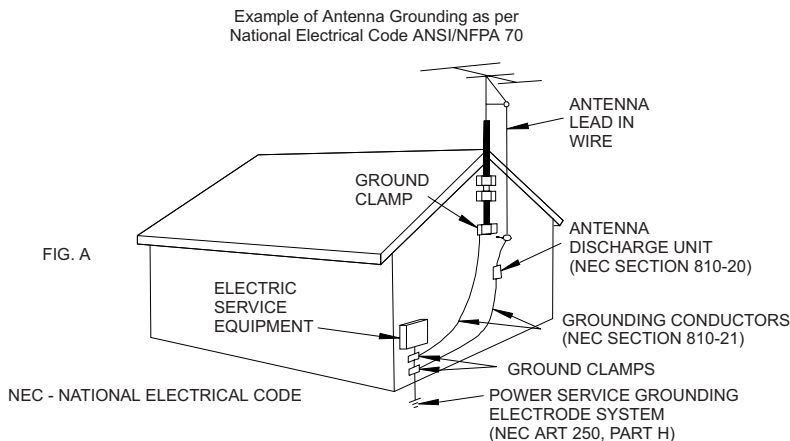
**DAMAGE REQUIRING SERVICE** - Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

**REPLACEMENT PARTS** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

**SAFETY CHECK** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

**WALL OR CEILING MOUNTING** - The product should not be mounted to a wall or ceiling.

**HEAT** - Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICABLE PARTS INSIDE REFER 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.

## FOREWORD

This section must be read carefully before any connection is made to the mains supply.

### WARNINGS

- Do not expose the equipment to rain or moisture.
- Do not remove the cover from the equipment.
- Do not insert anything into the equipment through the ventilation holes.
- Do not cover the ventilation holes with any items such as tablecloths, newspapers, curtains, etc.
- Do not place naked flame sources, such as lighted candles, on the equipment.
- Do not handle the mains lead with wet hands.
- Allow adequate ventilation. Leave a gap of 0.1m on all sides of the unit.
- Do not splash or spill water on the unit. Do not place objects filled with liquid (such as vases) on the unit.

## EQUIPMENT MAINS WORKING SETTING

Your Marantz product complies with the household power and safety requirements in your area.

### IMPORTANT: (FOR UK VERSION ONLY)

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 5A, A.S.T.A or BSI approved type.
- 3 Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.


**NOTE:** The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

## HOW TO CONNECT A PLUG

The wires in the mains lead are coloured in accordance with the following code:

BLUE - "NEUTRAL" ("N")

BROWN - "LIVE" ("L")

- 1 The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
- 2 The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
- 3 Do not connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol  or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

## PRECAUTIONS

The following precautions should be taken when operating the equipment.

### GENERAL PRECAUTIONS

When installing the equipment ensure that:

- the ventilation holes are not covered.
- air is allowed to circulate freely around the equipment.

- it is placed on a vibration free surface.
  - it will not be exposed to excessive heat, cold, moisture or dust.
  - it will not be exposed to direct sunlight.
  - it will not be exposed to electrostatic discharges.
- In addition, never place heavy objects on the equipment.

If a foreign object or water does enter the equipment, contact your nearest dealer or service center.

Do not pull out the plug by pulling on the mains lead; grasp the plug.

It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the mains supply.

## COMPACT DISCS

The glossy side shining like a rainbow is the front side of the disc, and the side on which the label is printed is the back.

Unlike conventional turntables for playing analogue discs, the DH9300 MusicServer reads the information recorded on the disc from underneath without contacting it using a beam of laser light. Therefore, the performance of a compact disc will not degrade like conventional analogue records.

**Handle discs carefully so as not to damage or scratch the front side.**

**To protect the disc avoid placing it in the following locations:**

- In direct sunlight or near a source of heat like a heater.
- In a place which is damp or dirty.
- In a place which could be exposed to rain, such as near a window.

Always keep the surface of the disc clean.

Up to six billion data units are recorded on the front side of the disc. When cleaning the disc surface always be sure to use a special compact disc cleaner. Do not use a conventional record cleaner for analogue records, as this will adversely affect the disc surface.

Store discs properly by placing them in their disc cases.

**Do not attach a piece of paper or sticker on the label side of the disc.**

When a disc has a piece of plastic tape or rental CD label with paste protruded from the edge or when a disc has a trace of such a sticky object, do not attempt to play the disc. If such a disc is inserted into the MusicServer it may cause extensive damage to the system. It may also be impossible to remove the disc.

**Do not use a disc with a special shape.**

Do not attempt to use a disc with a special shape such as a heart-shaped disc or octagonal disc. This may cause the system to malfunction.

### CAUTION

When disposing of used batteries, please comply with governmental regulations or environmental regulations or environmental public instruction's rules that apply in your country or area.

### POWER BUTTON

When this button is pressed once, the power turns **On** and information will appear on the display. When pressed again, the power turns off and the "Standby" indicator is lit.

When the unit is in **Off** mode the apparatus is not disconnected from the AC mains supply.

## Introduction

Welcome to the DH9300 MusicServer from Marantz. The DH9300 is a revolutionary way of filling your home with music.

Your MusicServer stores and catalogues your music collection, allowing you to select any album or track at the press of a key. You can browse through your albums and tracks using convenient on-screen menus displayed on your television, showing full album, track, and artist names downloaded from the Internet CD database. Your MusicServer also lets you organise your music collection and create selections for different occasions to suit your mood.

### Incredible capacity

Your MusicServer is a hard disk based audio system which can store hundreds of hours of music, all with the convenience of instant access, at the touch of a key.

### Convenient TV screen

Play music, record CDs, or organise your library using convenient on-screen menus which show the full album, artist, and track names, allowing you to select the one you want with a few simple selections.

### Internet access for track listings

Your MusicServer records the CDs from your music collection at faster than real time. It then automatically connects to a dedicated Internet CD database via the built-in modem or Ethernet connection. This database provides album and track details for a wide range of CDs. This information can be downloaded and stored with each CD you record, allowing you to select any item in your music collection by album name, artist name, track name, or genre, giving you total flexibility in the way you access and control your music collection.

### Create your own playlists

Your MusicServer allows you to compile personal playlists and then automatically play tracks from the playlist you have selected. Playlists let you customise your MusicServer for each member of the family, or for matching the music to the occasion or mood.

### Instant access, irrespective of your music collection

Whether you select a track by title, album, artist, or genre, your MusicServer locates it instantly and plays it at the press of a key. All this is achieved with an extremely simple and intuitive user interface, operated using a few keys on the front panel or remote control.

## SPECIFICATIONS

### – General

System.....	Hard Disk Based Audio Server
Power requirements.....	110/220V AC 60/50Hz
Power Consumption.....	25W
Weight.....	7.8Kg
Dimensions.....	123mm(H) x 435mm(W) x 402mm(D)
Operating temperature.....	10-40°C
Operating humidity.....	10-90% RH (non-condensing)

### – Video Outputs

- S-Video Output
 

Y (luminance) - Output level.....	1V <sub>p-p</sub> /75Ω
C (colour) - Output level.....	0.3V <sub>p-p</sub> /75Ω
Connector.....	S-VIDEO jack
- Composite outputs (4 individual outputs)
 

Output level.....	1V <sub>p-p</sub> /75Ω
Connector.....	RCA jack

- VGA output
 

Output level.....	0.75V <sub>p-p</sub> /75Ω
Connector.....	15 pin D-type F
Output resolution.....	800x600

### – Audio outputs

- Analogue outputs (4 pairs of outputs)
 

Output level.....	2V <sub>RMS</sub>
Output impedance.....	10kΩ
Connector.....	RCA jack
- Digital outputs
 

Optical digital output.....	Optical digital jack (Toslink)
Coaxial digital output level.....	500mV <sub>p-p</sub> /75Ω
Coaxial digital output connector.....	RCA jack

### – Audio inputs

- Analogue inputs
 

Maximum input level.....	2V <sub>RMS</sub>
Connector.....	RCA Jack
- Coaxial Digital input
 

SRC supported frequency.....	32kHz, 44.1kHz, 48kHz
Maximum input level.....	500mV <sub>p-p</sub> /75Ω
Connector.....	RCA Jack

### – Analogue audio characteristics

Frequency response.....	tbc
S/N ratio (@1KHz).....	tbc
Dynamic range.....	tbc
Total harmonic distortion.....	tbc
Channel separation.....	tbc

### – Communications

- Modem
 

Connector.....	RJ11 (56kbit/s)
----------------	-----------------
- Ethernet
 

Connector.....	RJ45 (10 Base T/100 Base T)
----------------	-----------------------------
- Controller
 

Connector.....	9 pin D-type M
----------------	----------------
- Remote in (4 individual connectors)
 

Maximum input level.....	5V
Connector.....	RCA jack
- Modulated RC5 Input
 

Maximum input level.....	5V
Connector.....	3.5mm jack
- Opus Connection (European model only)
 

Connector.....	RJ45
----------------	------
- USB
 

Connector.....	Type A USB socket
----------------	-------------------

### – Accessories

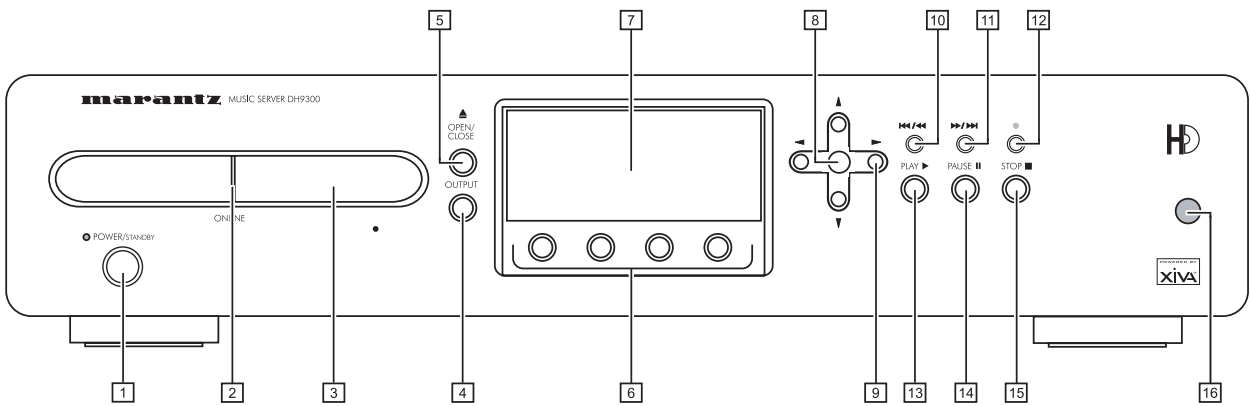
Stereo RCA cable.....	1
Video cable.....	1
Modem cable.....	1
Power cord.....	1
Remote control unit.....	1
AAA (R03P) dry cell batteries.....	2
Operating instructions.....	1
Warranty card (U1B model only).....	1
Quick Start Card.....	1

### Note

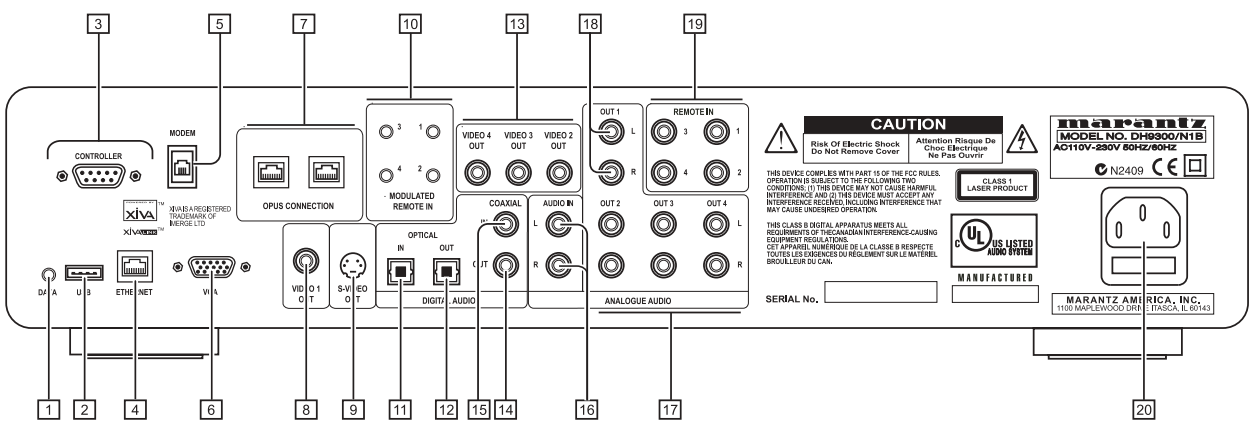
The specifications and design of this product is subject to change without notice.



FRONT VIEW



REAR VIEW



## Controls and Connections

This section provides information on the controls and connections available on your DH9300 MusicServer.

### FRONT

#### 1 POWER/STANDBY

Press to put your MusicServer into either **standby** or **off** mode, press again to switch your MusicServer back on.

#### 2 ONLINE

The online indicator is illuminated when the modem is active.

#### 3 DISC TRAY

Insert a disc with the label side up.

#### 4 OUTPUT button

Press the output button to display what music is playing on the currently selected output. Pressing the output button for a second time will select the next output in sequence.

#### 5 OPEN/CLOSE button

Pressing the open/close button opens the disc tray. Place a compact disc on the tray with the label side facing up. Press the button again to close the tray.

#### 6 ACTION buttons

Action buttons allow you to perform specific operations dependent on the current menu screen. For more information on using the action buttons see the chapter called **Using the MusicServer action keys** p.X.

#### 7 DISPLAY

The display shows information about the music available on the unit, the status of the MusicServer (for instance if the unit is currently playing), and the current configuration of the unit.

#### 8 SELECT button

Selects the option currently visible on the display.

#### 9 NAVIGATION buttons

The Navigation buttons allow you to move up, down, left or right through the menus shown on the display.

#### 10 ⏮ button

When the button is pressed briefly during playback, play restarts at the beginning of the current track. A second brief press moves to the beginning of the previous track. When the button is held for a longer period of time the music will rewind at high speed.

#### 11 ⏭ button

When the button is pressed briefly during playback, play restarts at the beginning of the next track. When the button is held for a longer period of time the music will fast forward at high speed.

#### 12 REC ● button

The record button is an action key - on some menu screens you can use this button to begin a recording, either from the CD inside the unit, or from the input connectors. When managing playlists this button is also used to create new playlists or add tracks to an existing playlist.

#### 13 PLAY ► button

Press the play button to recommence playback if the music has been stopped or paused.

#### 14 PAUSE II button

Press the pause button to interrupt playback temporarily.

#### 15 STOP ■ button

Press the stop button to halt playback on the current output.

#### 16 REMOTE SENSOR

This window receives signals transmitted from the remote control unit.

### REAR

#### 1 DATA

Allows the MusicServer to send control information to other supported devices.

#### 2 USB

Allows the MusicServer to communicate with supported USB devices.

#### 3 CONTROLLER

The Controller port provides serial communication with supported devices. For instance a multiroom control system may communicate with the MusicServer using the XiVA-Link protocol.

#### 4 ETHERNET

The Ethernet port can be used to connect the MusicServer to a high speed internet connection. It may also be used by supported software applications to communicate with the system.

#### 5 MODEM

The modem port can be used to connect the MusicServer to a standard analogue telephone line for internet access (using the supplied cable).

#### 6 VGA

The VGA connector may be used to connect a VGA monitor or a suitable Plasma screen for displaying the TV User interface.

#### 7 OPUS CONNECTION [not available on all models]

The Opus Connection allows the MusicServer to be attached to an Opus Multiroom control system for remote access.

#### 8 VIDEO 1 OUT

Connect the composite output of the MusicServer to the composite input of a suitable PAL/NTSC TV (depending on the supplied configuration) to display the TV User Interface. You may also need to switch the TV to the relevant AUX input to display the picture.

#### 9 S-VIDEO OUT

Connect the S-VIDEO output of the MusicServer to the S-VIDEO input of a suitable PAL/NTSC TV (depending on the supplied configuration) to display the TV User Interface. You may also need to switch the TV to the relevant AUX input to display the picture.

#### 10 MODULATED REMOTE IN

The modulated RC5 connection allows remote control information to be carried from remote rooms directly into the MusicServer. The connection number is linked to the default output to be controlled; for instance remote control information received at connection 3 will control analogue output 3 of the MusicServer by default. See the chapter called **Using your MusicServer in a multiroom system** p.X.

## 11 DIGITAL OPTICAL IN

High Quality recordings can be made onto the Hard Disk of the MusicServer using an optical connection from a suitable device (such as Minidisc or DAT).

## 12 DIGITAL OPTICAL OUT

The audio output can be transmitted in the form of light through an optical fibre cable and photocoupler. The optical signal transmission features low signal loss due to cables and complete isolation of the ground loop so that a very high quality output can be produced without any digital noise.

### Connection method

Connect this jack to a D/A convertor, digital sound processor or an amplifier equipped with a Digital Optical input jack. Remove the caps from the DIGITAL OPTICAL OUT jack and the optical input jack of the connected component and connect the two jacks through an optical fibre cable.

## 13 VIDEO OUT 2,3,4

Additional composite outputs to allow up to 4 televisions to be connected to the MusicServer. All 4 composite outputs display the same TV User interface.

## 14 COAXIAL DIGITAL OUTPUT

By connecting this jack to a digital audio component (D/A convertor, digital sound processor etc.), digital signals from the MusicServer can be transmitted directly from the system without first being converted to analogue.

## 15 COAXIAL DIGITAL INPUT

High Quality recordings can be made onto the Hard Disk of the MusicServer using a coaxial connection from a suitable device (such as Minidisc or DAT).

## 16 ANALOGUE AUDIO INPUT

Analogue sources (such as cassette or vinyl LP) may be recorded onto the Hard Disk of the MusicServer using this connection.

## 17 ANALOGUE AUDIO OUTPUT 2,3,4

The DH9300 MusicServer is a multiroom device allowing you to listen to different music in up to 4 different rooms all at the same time. Each analogue output should be connected to the input jacks of a pre-amplifier. For more information see the chapter called **Using your MusicServer in a multiroom system** p.X.

## 18 ANALOGUE OUTPUT 1

See 17.

## 19 REMOTE IN

The **Remote In** connection allows remote control information to be carried from remote rooms directly into the MusicServer. The **Remote In** connection number is linked to the default output to be controlled; for instance remote control information received at **Remote In 3** will control analogue output 3 of the MusicServer by default. For more information see the chapter called **Using your MusicServer in a multiroom system** p.X.

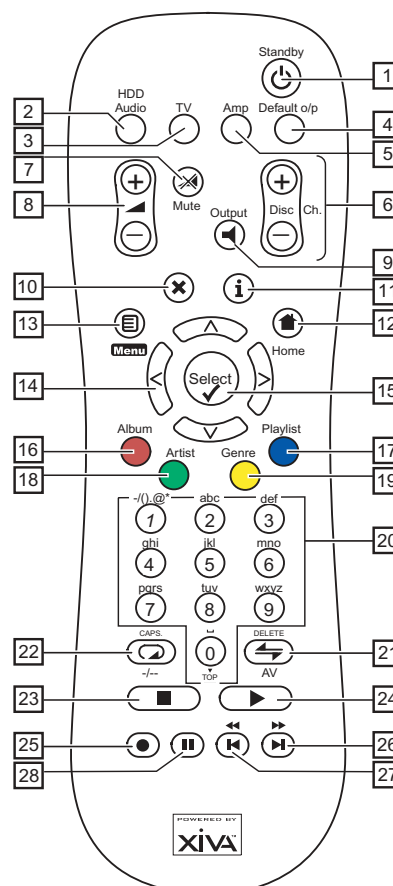
## 20 MAINS

Connect the supplied mains lead to this connector to provide power to the unit.

## USING THE REMOTE CONTROL

The remote control supplied with the MusicServer is a "Universal" remote control. This means that other devices, such as a television or amplifier, may be controlled using this remote control. When you have selected to control the television the **TV** device button will light up each time you press a button - similarly when the MusicServer is selected the **HDD Audio** button will light and when the Amp is selected the **Amp** button will light.

The following diagram explains the function of the keys on your MusicServer remote control:



### 1. STANDBY button

Places the MusicServer in/out of standby or off mode.

### 2. HDD Audio button

Selects the MusicServer as the device to be controlled.

### 3. TV button

Selects the TV as the device to be controlled. For more information on configuring this remote to control your television see the chapter called **Configuring your remote to control other devices** p. X.

### 4. DEFAULT O/P button

Resets the TV user interface to controlling the default output for the room where you are located (indicated by the **Remote In** receiver connection). For more information on multiroom use of the MusicServer see the chapter called **Using your MusicServer in a multiroom system** p.X. If the TV device is selected this button will show/hide the on-screen clock.

### 5. AMP button

Selects the Amp as the device to be controlled. For more information on configuring this remote to control your amplifier see the chapter called **Configuring your remote to control other devices** p.X.

## 6. DISC/CH. buttons

Selects the next/previous album (or playlist) on your MusicServer. If you have the TV device selected these buttons will select the next and previous channels.

## 7. MUTE button

Provided that the MusicServer output volume setting is set to **variable** this button will mute the output of the MusicServer. For more information see the chapter **Advanced Settings** p.X. If the TV or Amp device is selected the TV/Amp volume is muted.

## 8. ▲ VOLUME buttons

Provided that the MusicServer output volume setting is set to **variable** these buttons will increase/decrease the volume of the MusicServer output. For more information see the chapter **Advanced Settings** p.X. If the TV or Amp device is selected these buttons control the volume of the TV/Amp.

## 9. ◀ OUTPUT button

Press the output button to display what music is playing on the currently selected output. Pressing the output button for a second time will select the next output in sequence.

## 10. ✕ CANCEL button

The Cancel button is an action key - on some menu screens this is used to cancel an operation which you no longer wish to continue. If the TV device is selected this button will hide text services.

## 11. i INFO button

The Info button is an action key - on some menu screens this is used to display additional information which may not be currently displayed; on other menu screens it may also be used to edit text on the screen. If the TV device is selected this button displays text services.

## 12. 🏠 HOME button

The home key is an action key - it can be used to return to the top page of a particular function. For instance if you are browsing the music library and you wish to look for a different album you may use the Home key to return to the main **Library** menu

## 13. ☰ Menu button

The Menu key is an action key - pressing this key will always return the TV screen and front panel to the Main Menu. Use this button if you wish to start a new operation.

## 14. NAVIGATION ▲, ▼, <, > buttons

The navigation buttons are used to move up, down, left or right through the menu pages.

## 15. ✓ SELECT button

Select is used to activate the currently highlighted option. When browsing the **library** this key will start playback of the selected item.

## 16. ALBUM button

The album button can be used to jump to the album list in the music library. In TV mode this button selects the **red** text service option.

## 17. PLAYLIST button

The playlist button can be used to jump to the playlist list in the music library. In TV mode this button selects the **blue** text service option.

## 18. ARTIST button

The artist button can be used to jump to the artist list in the music library. If the TV device is selected this button selects the **green** text services option.

## 19. GENRE button

The genre button can be used to jump to the genre list in the music library. If the TV device is selected this button selects the **yellow** text services option.

## 20. NUMERIC (0 to 9) buttons

The numeric keys can be used as follows:

- When browsing the track list these buttons allow you specify the track you wish to play
- In the Music Library you may jump to an item in the list that begins with one of the letters specified at the top of each key.
- In text entry mode these keys can be used as an alphanumeric key pad (similar to a mobile phone).

If the TV device is selected the numeric buttons select which channel you wish to view.

## 21. RANDOM ⇄ (DELETE) button

The random button has the following functions:

- During playback this button toggles the random play setting on the MusicServer.
- In text entry mode this button can be used to delete characters.

If the TV device is selected this button switches the TV channel to the AV input.

## 22. REPEAT ⇄ (CAPS) button

The random button has the following functions:

- During playback this button toggles the repeat play setting on the MusicServer.
- In text entry mode this button can be used to toggle between upper-case and lower-case letters.

If the TV device is selected this button switches the TV between single digit and double digit channel selection.

## 23. STOP ■ button

During playback the stop button halts playback on the currently selected output of the MusicServer.

## 24. PLAY ▶ button

The play button can be used to recommence playback on the currently selected output of the MusicServer.

## 25. REC □ button

The record button is an action key - on some menu screens you can use this button to begin a recording, either from the CD inside the unit, or from the input connectors. When managing playlists this button is also used to create new playlists or add tracks to an existing playlist.

## 26. ⏩ button

When the button is pressed briefly during playback, play restarts at the beginning of the next track. When the button is held for a longer period of time the music will fast forward at high speed.

## 27. ⏪ button

When the button is pressed briefly during playback, play restarts at the beginning of the current track. A second brief press moves to the beginning of the previous track. When the button is held for a longer period of time the music will rewind at high speed.

## 28. PAUSE II button

Press the pause button to interrupt playback temporarily.

## CONFIGURING YOUR REMOTE TO CONTROL OTHER DEVICES

The **TV** and **Amp** devices on the MusicServer remote control may be individually configured to control a range of televisions and amplifiers from well known manufacturers.

### To configure the remote to control your television

- Press the **TV** and ✓ **Select** buttons simultaneously; hold them down for 1 second.

The **TV** button will remain lit for 20 seconds; the configuration process must be completed during this time.

- Enter the 3 digit numeric code matching the manufacturer of your television from the list in Appendix A.
- Press the **TV** button again.

The **TV** button will blink twice to indicate that the configuration has been accepted. If the **TV** button does not blink begin the process again, taking care to enter the number exactly as printed in the list. If the television is switched on during the configuration process, entering the correct code will cause the television to go into standby.

### To configure the remote to control your amplifier.

- Press the **Amp** and ✓ **Select** buttons simultaneously; hold them down for 1 second.

The **Amp** button will remain lit for 20 seconds; the configuration process must be completed during this time.

- Enter the 3 digit numeric code matching the manufacturer of your amplifier from the list in Appendix A.
- Press the **Amp** button again.

The **Amp** button will blink twice to indicate that the configuration has been accepted. If the **Amp** button does not blink begin the process again, taking care to enter the number exactly as printed in the list. If the amplifier is switched on during the configuration process, entering the correct code will cause the amplifier to go into standby.

### Reassigning volume control when using the MusicServer.

If the volume setting of the MusicServer is set to **fixed** the ▲ **Vol.** and **Mute** keys will do nothing (for more information on volume output settings see the chapter called **Advanced Settings** p.X.). These buttons may therefore be configured to control the volume on your amplifier whilst the **HDD Audio** device is selected. To re-configure these keys:

- Ensure that the Amp device is correctly configured to control your amplifier (as shown above).
- Press the **HDD Audio** and ✓ **Select** buttons simultaneously; hold them down for 1 second.

The **HDD Audio** button will remain lit for 20 seconds; the configuration process must be completed during this time.

- Press the **Mute**
- Press the ▲ **Vol.** + key
- Press the **Amp** device key

The **HDD Audio** device key will blink twice to indicate that the configuration has been accepted. If the **HDD Audio** button does not blink begin the process again, taking care to press the buttons in the correct sequence. The ▲ **Vol.** and **Mute** keys should now control the amplifier when the

**HDD Audio** device is selected.

To return the ▲ **Vol.** and **Mute** keys to their original configuration repeat the above process, pressing the **HDD Audio** button instead of the **Amp** button.

**Note:** The **HDD Audio** button always uses a device number of 000. You should never need to change this for normal operation.

## CONNECTING YOUR MUSICSERVER

**Note:** Do not make any connections to the MusicServer while the power supply is connected and switched on.

- Connect the supplied telephone lead to a standard analogue telephone socket. Connect the other end of this cable to the socket marked **MODEM** on the back panel of the MusicServer.
- Connect the red plug of the supplied audio lead to the red **OUT1** socket on the back of the MusicServer. Connect the adjacent white plug to the white **OUT1** socket on the MusicServer. Connect the other end of this cable to the AUX or CD inputs on your amplifier.
- Connect the yellow plug of the supplied TV lead to the yellow **VIDEO 1 OUT** socket of the MusicServer. For the European TV lead\* connect the Scart plug to the ext. 1 or 2 socket on the rear of your TV. For the non-European TV lead connect the yellow plug to the video input on the rear of your TV.
- Connect the supplied power cord to your mains power supply.
- Switch on your television. Select the appropriate video channel to view the MusicServer TV User Interface display.

\* For Scart connection, the red and black plugs are not required.

## SWITCHING ON AND OFF

There are two power saving modes available from the **POWER/Standby** button on the MusicServer front panel and the ⏻ button on the remote control.

If you are not using your MusicServer it is strongly recommended that you place the unit into one of the two power saving modes.

### Standby mode

**Standby** mode should be used when the MusicServer is not being used for a short period of time. Putting the unit into standby takes just a few seconds; switching the unit on from standby also takes just a few seconds. **Do not** remove the power from the MusicServer in this mode.

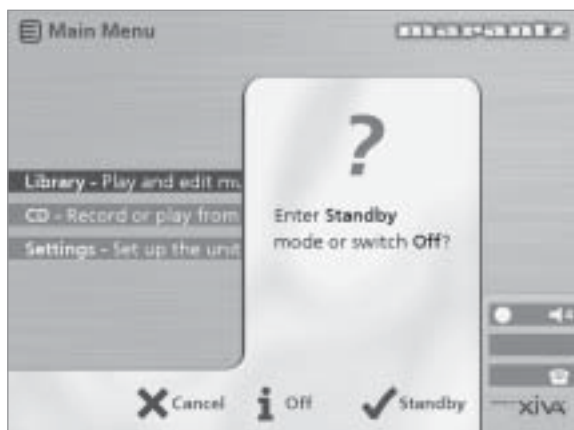
### Off mode

**Off** mode should be used when the MusicServer is not being used overnight (or for several days). There is a short wait whilst the unit is switched to off mode; switching the unit on from off mode may take a few minutes. When the unit is in off mode it consumes very little power. You can safely remove the power from the MusicServer in this mode.

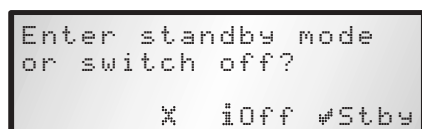
### To enter standby or off mode

- Press the **POWER/Standby** key on the front panel or the **Standby** key on the remote control.

The following prompt is displayed:



The front panel display shows:

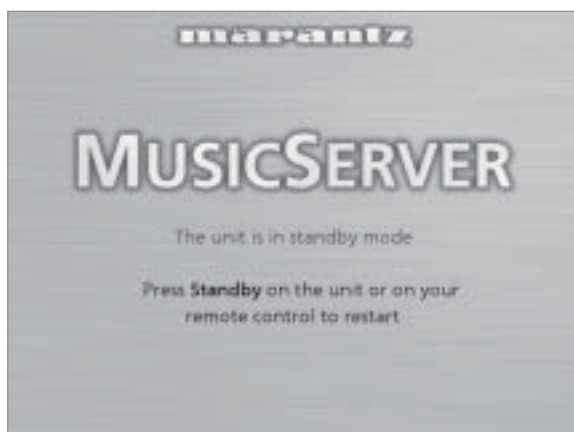


Either:

- Press the **Standby** action key on the front panel or the **✓Select** key on the remote control to switch to standby.

After a short delay the TV screen shows:

Or:



- Press the **Off** action key on the front panel or the **i** key on the remote control to switch to off mode.

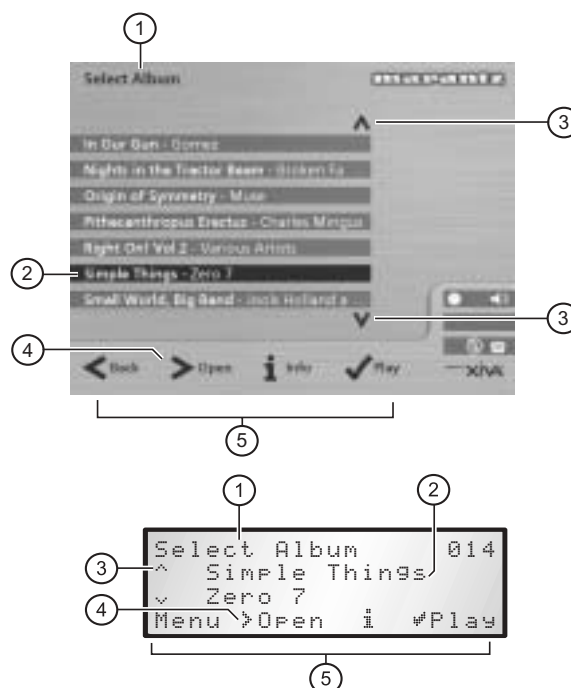
After a short period of time the TV display and front panel display will switch off.

### To switch on from standby

- Press the **POWER/Standby** key on the front panel or the **Standby** key on the remote control.

### TV SCREEN AND FRONT PANEL DISPLAY

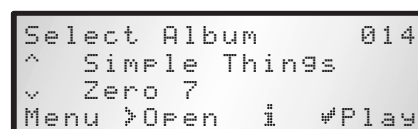
The following diagram shows the key features of a typical MusicServer TV screen and front panel display:



1. Indicates the title of the current screen.
2. Title of the current selection, shown highlighted on the TV screen.
3. Indicates that you can use the **^** or **v** keys to browse up and down the current menu list.
4. Indicates that you can press the **>** key to look inside the currently selected item, such as to show the tracks in an album, or the albums by an artist or in a genre.
5. Action keys available from the current menu for selection or navigation.

### USING THE MUSICSERVER ACTION KEYS

The front panel of your MusicServer has four “action” keys located underneath the main display. The function of these keys changes depending on which menu you are currently viewing. The available actions are shown on the bottom line of the front panel display. For example, in the following menu the functions **Menu**, **Open**, **Info**, and **Play** are available on the corresponding keys:



Next to each option is a symbol indicating where a key on the MusicServer remote control may be used instead of pressing the action key. By default:

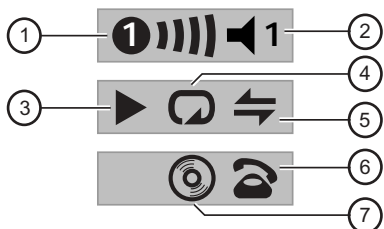
- **i** corresponds to an **information** action
- **x** corresponds to a **cancel** action
- **✓** corresponds to a **select** action

The TV screen also displays these actions as well as other actions available on the MusicServer remote control. In the example above the TV screen shows:



### MUSICSERVER STATUS ICONS

The TV display shows the current status of the MusicServer using a series of icons as shown below:



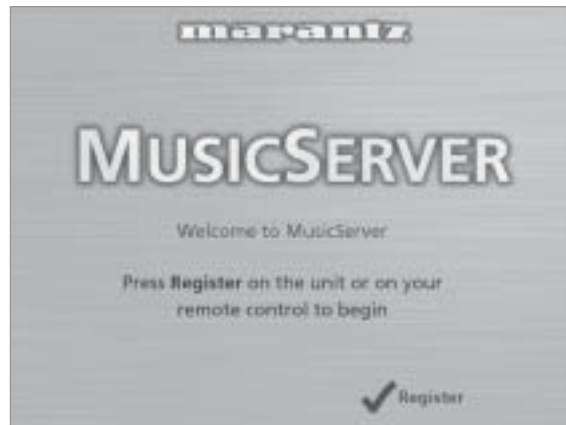
1. Indicates which remote location currently has control of the TV user interface. The bar to the right shows how long the user has before the TV interface is available for other users to access. A green circle indicates that infrared is being received from the controlling location. A red circle indicates that infrared is being received from another location and will be rejected until the interface is available again. A yellow circle indicates that infrared is being received and no update is required on the TV user interface. For information on using your MusicServer in a multiroom environment see the chapter called **Using your MusicServer in a multiroom system**, p.X.
2. Shows which output the user interface is currently controlling.
3. Indicates the playback status of the currently selected output (e.g. play, stop, pause etc.)
4. Indicates whether repeat is enabled on the current output.
5. Indicates whether random is enabled on the current output.
6. When the handset is lifted the unit is online, when the handset is on top of the telephone the unit is offline.
7. Indicates that a disc is inside the CD tray.

## Registering your MusicServer

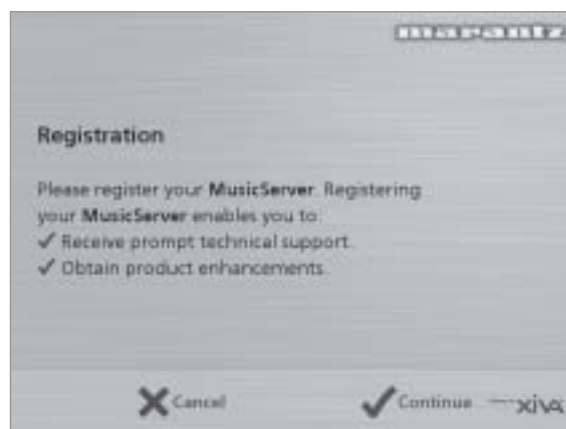
Before using your MusicServer you should spend some time registering your purchase. This enables you to receive technical support as well as software upgrades.

### To register your MusicServer

- When the welcome screen is first displayed, press the **✓Select** key on the remote control or the **Register** action key on the front panel.



The following registration screen will be displayed:



The same information is also shown on the front panel display.

- Press the **✓Select** key on your remote control or the **Continue** action key on the front panel to display the first registration screen:



## To use the alphanumeric keypad

As part of the registration process you will need to enter your name and address into the MusicServer. You can do this using the following keys on the remote control:

Action	How
Enter Text	Use the alphanumeric keys on the remote control. For example, to type an <b>S</b> press the <b>7</b> key four times.
Switch between entering upper-case or lower-case letters	Press the action key labelled <b>Caps</b> or the <b>↵CAPS</b> key on the remote control.
Enter a space.	Press the <b>0</b> key.
Delete a mistake	Press the <b>↵DELETE</b> key on the remote control.
Move the cursor within the text	Press the <b>&lt;</b> or <b>&gt;</b> keys.

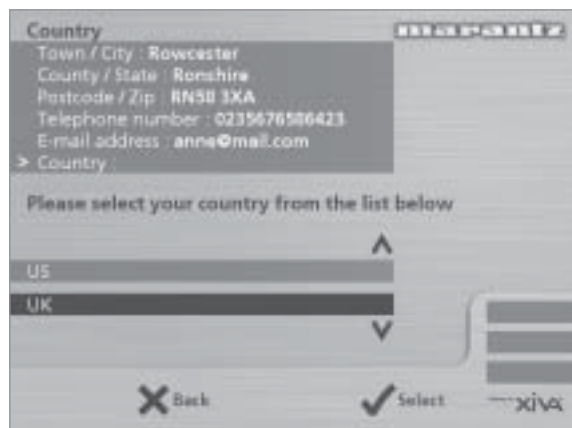
Alternatively you can use the built-in alphanumeric **grid** to enter details:

- Press the **∇** key to move the cursor onto the grid, then use the **<**, **>**, **∇**, and **∧** keys to highlight characters, and the **✓ Select** key to select them.
- Use the **∧** key repeatedly to move the cursor back into the text entry box to return to normal text entry mode.

When you have completed each entry:

- Press the **Next** action key on the front panel or the **i** button on the remote.

When you have entered your name and address details you will be prompted to select your country:



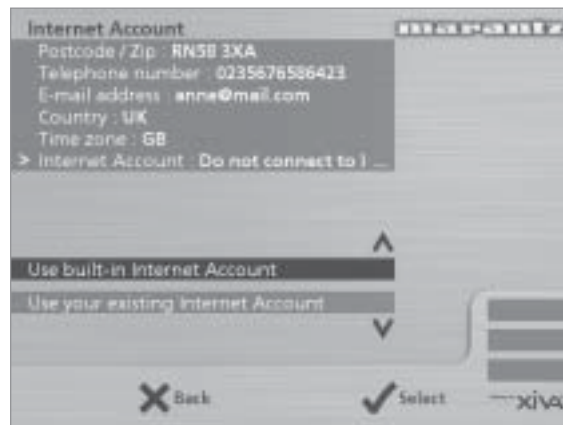
- Press the **∧** or **∇** keys to highlight your country and press the **✓ Select** action key on the front panel or on the remote control.

## To connect your MusicServer to an Internet Account

The next sequence of screens helps you connect your MusicServer to the Internet.

- Press the **Continue** action key on the front panel or the **✓ Select** key on the remote to begin.

The following screen then allows you to select the options for your Internet connection:



- Press the **∇** or **∧** keys to select between the following options:

### 1. Using the built-in Internet account

Your MusicServer will connect using a pre-installed internet account for your country.

**Note:** The built-in Internet account may not be available for your country.

### 2. Using your existing Internet account

If you are already using a computer to connect to the Internet via a telephone line, and you have an existing Internet account, you may prefer to use these account details for your MusicServer. If you do not know your username, password, and Internet account telephone number you may be able to read these from your computer's settings; otherwise contact your Internet Service Provider for assistance.

**Note:** AOL and Compuserve accounts are not currently supported.

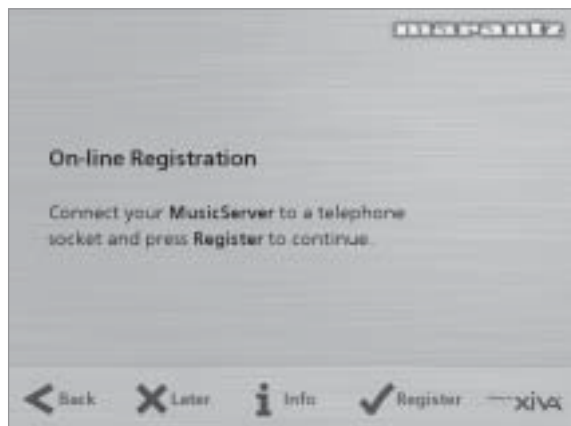
### 3. Do not connect to the Internet

You should use this option if you do not presently have access to a telephone line (you may set up a connection later).

- Press the **Select** action key on the front panel or the **✓ Select** key on the remote to select the option you have chosen.
- If you have selected **Use built-in Internet Account**, read the terms and conditions and press the **Accept** action key on the front panel or the **✓ Select** key on the remote control to continue.
- If you have selected **Use your existing Internet Account**, follow the on-screen instructions to enter your account username, password, and the telephone number of your service provider.



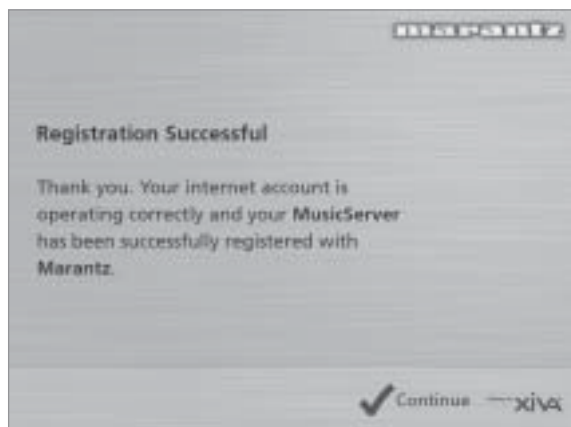
The MusicServer will then attempt to connect to the Internet to send your registration details to Marantz.



Before proceeding, check that you have connected your MusicServer to a telephone line using the cable supplied.

- Press the **Register** action key on the front panel or the **✓ Select** button on the remote control.

The following screen confirms that registration was successful and your Internet account is operating successfully:



- Press the **Continue** action key on the front panel or the **✓ Select** button on the remote control to continue.

Registration is now complete and the **Main Menu** will be displayed.

If the MusicServer is unable to successfully connect to the Internet you will be given further details on how to connect to the Internet later.

## The MusicServer Main Menu

To display the **Main Menu** at any time during normal operation:

- Press the **Menu** action key.

The **Main Menu** will be displayed on the TV screen and on the front panel display.



### To select an option from the main menu

- Press the **Λ** or **∇** key on the front panel or MusicServer remote control to step between the main menu options.

The current option is shown highlighted.

- Press the **✓ Select** button to select the current option.

The options are as follows:

Option	Description
Register Now	Connects to the Internet and registers your MusicServer with Marantz.
Library	Allows you to select the music you want to play by album, artist, genre, or playlist. You may also edit the names of the music stored on the Hard Disk.
CD	Allows you to play a CD or record new music to the Hard Disk.
Settings	Allows you to configure your MusicServer settings.
Connect	This option will be available if you have CDs in your library which are waiting to retrieve information from the Internet CD database.

More information about each of these functions is given in the following chapters.

## Recording Music

Your MusicServer allows you to record music from CDs and add it to the music library stored on the Hard Disk. It also has a built-in modem which allows it to connect to the Internet via a standard telephone line. If you provide this connection your MusicServer automatically checks the Internet CD database when you record a CD, and downloads the album title, track titles, artist name, and genre for the CD. If you do not provide an Internet connection you can label the CDs you record manually.

### RECORDING FROM A CD

- Press the **OPEN/CLOSE** key on the front panel to open the CD tray.
- Place a CD in the tray.
- Push the **OPEN/CLOSE** key on the front panel.

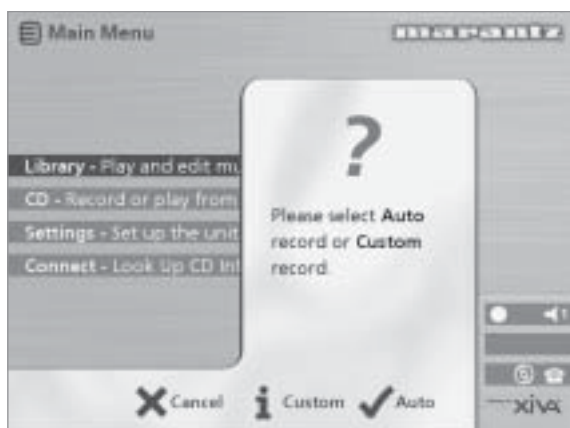
The following prompt is automatically displayed:



- Press the **Record** action key to record the album onto the Hard Disk.

**Note:** If you already have a CD in the tray, select the **CD** option from the **Main Menu** to display the contents of the disc; press the **Rec. CD** to begin recording.

The following display then allows you to choose whether to do an auto (one-touch) recording of the entire CD, or a custom recording which allows you to select the tracks you want to record and the recording quality:



### To make an auto (one-touch) recording

- Press the **Auto** key.

An **Auto** recording will automatically look up the track and artist information on an internet CD database, and then record all the tracks on the album.

The quality of the recording is specified in the **Settings** menu (under **Recording Quality**). For more information on the settings menu see the chapter called **Advanced Settings** p.X.

Once recording has begun your MusicServer will connect to the Internet to retrieve the CD information:



Once the search has been completed you will receive a confirmation to tell you if the CD has been found.

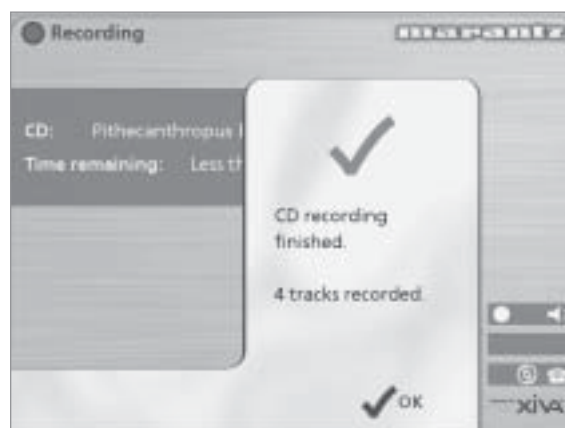
- Press the **OK** key to continue.

The following display shows the approximate progress of the recording:



You can cancel the recording at any time by pressing the **Stop** key.

Once recording is complete the following screen confirms how many tracks have been successfully recorded.



## Making a custom recording

The custom recording option lets you choose which tracks to record, the sound quality of the recording, and allows you to enter album information.

To make a custom recording:

- Choose **i Custom** from the “Please select Auto or Custom record” screen.

A series of screens allow you to specify each of the recording options.

### Tracks

The **tracks** menu lets you specify which tracks you want to record:



Initially all tracks are selected, as indicated by a ✓ in front of the track number.

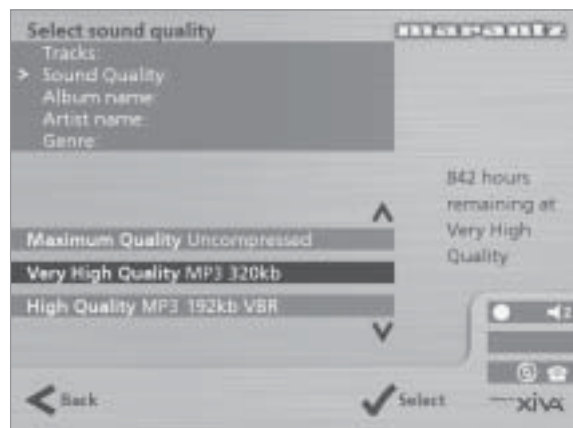
- Press the ✓ **Select** key to unselect or select the highlighted track.
- Press the **^** or **v** keys to step between tracks.
- Press the **X None/All** action key to unselect or select all of the tracks respectively.

When you have specified which tracks you want to record:

- Press the **i Next** key.

### Sound Quality

The **Sound Quality** menu allows you to specify the recording quality:



- Use the **^** or **v** keys to choose between **Maximum** (no compression used) or one of the **MP3** compression options.

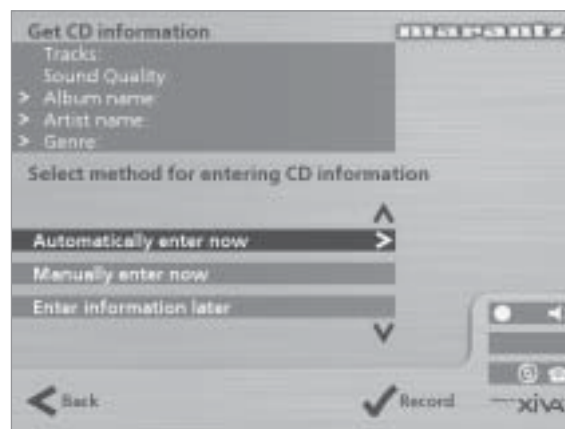
**Note:** The higher quality options use more space on your MusicServer Hard Disk, so you will not be able to record as many CDs.

In each case the display shows the total remaining recording time available at the specified recording quality.

- Press the ✓ **Select** key to confirm your selection.

### CD information

The **CD information** screen allows you to choose how to enter the album name, artist name, genre and tracks:



If you select **Enter Information Later** you can download the CD Information for all the CDs you have recorded by choosing **Connect** from the **Main Menu** menu at a later time.

If you select **Manually enter now** a series of menus prompts you to enter the album name, artist name, and track titles:



- Edit the album and artist name using the alphanumeric keys on your MusicServer remote control or by using the text **grid** on the front panel.

For more information about entering and editing names see the Chapter called **Entering and editing names**, p.X.

After entering the album name and artist name, you will be prompted to select a genre:

- Select a genre using the **^** and **v** keys.
- Press the ✓ **Select** action key to confirm your choice.

You will finally be prompted to enter the track titles.

- Edit each track title in the usual way, and press the **i Next** key once each title is complete.
- Once all the entries are complete recording will commence automatically.

If you select **Automatically enter now** your MusicServer will attempt to connect to the Internet to retrieve the correct CD information. You will receive confirmation if this search has been successful once the connection is complete. For information about setting up the Internet connection see **Registering your MusicServer** p.X.

If you do not have an Internet connection, or the CD is not listed in the database it will be given names such as Album 35, Artist 21, and Track 1, Track 2 etc. and it will be classified in genre **Unclassifiable**.

### CD-Text Support

If the CD you have inserted contains CD-Text information your MusicServer will use this information to label the recording appropriately.

### Listening to music while recording a CD

You can play music from your music library while you are recording a CD.

- If you are already playing music from the library press the **Output** action key to return to displaying information about the track you are playing.
- If you are not already playing music from the library or wish to change the music you are listening to, press the **Menu** key on the MusicServer remote control and select Music as normal.

For more information on selecting music for playback see the Chapter called **Playing Music** p.X.

At any time you can return to see the progress of your recording by selecting **CD** from the **Main Menu**.

**Note:** During the recording process the update of the TV display may be slightly slower.

## Playing Music

This chapter explains how to play music on your MusicServer. It also explains how to search for a track in a number of alternative ways.

### PLAYING MUSIC FROM THE LIBRARY

- Display the **Main Menu** by pressing the **Menu** action key on your MusicServer remote control.
- If necessary use the **^** or **v** keys to highlight **Library**.
- Press the **✓ Select** key.

The **Library** menu will be displayed. This lets you choose how you want to browse your music collection:



Option	Description
Albums	Display a list of albums in the library sorted alphabetically by album title.
Artists	Display your music library grouped by artist name.
Genres	Display your music library grouped by genre.
Playlist	Display a complete list of custom playlists.
Edit Albums	Edit the album title, artist name, genre or track name of existing music in your library.
Edit Playlists	Use this option to create and edit custom playlists.

Alternatively you can display the contents of a category directly by pressing the **ALBUM, ARTIST, GENRE, PLAYLIST** key on your MusicServer remote control.

### To browse the library by album

Either:

- Use the **^** or **v** keys if necessary to highlight the **Albums** option in the Library Menu.
- Press the **✓ Select** action key to confirm your selection.

or:

- Press the **ALBUM** key on your MusicServer remote control.

The front panel display and TV screen both display the albums available in your library:



- Press the  $\wedge$  or  $\vee$  keys to step between albums, or press the appropriate letter on your MusicServer remote control to jump directly to that position in the list.

#### To play the entire album:

- Press the  $\checkmark$  **Play** action key to begin playback.

#### To select a particular track from this album:

- Press the  $\triangleright$  **Open** key to open the album and display the tracks it contains.
- Use the  $\wedge$  or  $\vee$  keys to step between tracks, or press a key on the alphanumeric keypad to jump to that track number.
- Press the  $\checkmark$  **Play** action key to play the currently selected track.
- Press the  $\leftarrow$  key to return to browsing by album.

#### To browse the library by artist

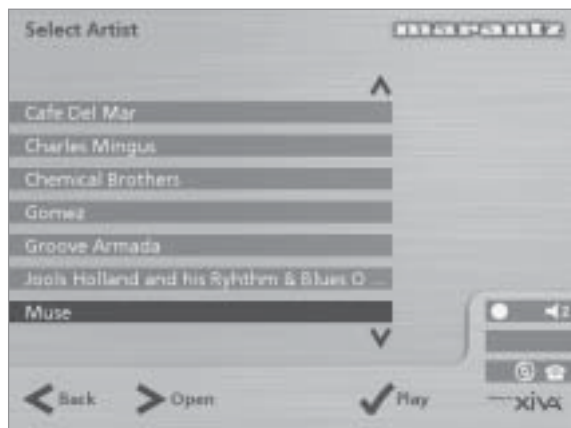
Either:

- Use the  $\wedge$  or  $\vee$  keys if necessary to highlight the **Artists** option in the **Library Menu**.
- Press the  $\checkmark$  **Select** action key to confirm your selection.

or:

- Press the **ARTIST** key on your MusicServer remote control.

The front panel display and TV screen both display the artists available in your library:



Artists are displayed in alphabetical order.

- Press the  $\wedge$  or  $\vee$  keys to step between artists, or press the appropriate letter on your remote control

to jump directly to the item in the list beginning with that letter.

#### To play all albums by the selected artist

- Press the  $\checkmark$  **Play** key to begin playback.

#### To play a particular album by the selected artist

- Press the  $\triangleright$  **Open** key to display all the available albums by the selected artist.
- Use the  $\wedge$  or  $\vee$  keys to step between albums.

Either:

- Press the  $\checkmark$  **Play** action key to play the currently selected album.

Or:

- Press the  $\triangleright$  **Open** key again to select a track from within this album.

Or:

- Press the  $\leftarrow$  key to return to browsing by artist.

#### To browse the library by genre

Either:

- Use the  $\wedge$  or  $\vee$  keys if necessary to highlight the **Genres** option in the **Library Menu**.
- Press the  $\checkmark$  **Select** action key to confirm your selection.

or:

- Press the **GENRE** key on your MusicServer remote control.

The front panel and TV screen both display the genres available in your library:



- Press the  $\wedge$  or  $\vee$  keys to step between genres.

#### To play all albums in a selected genre

- Press the  $\checkmark$  **Play** key to begin playback.

#### To play a particular album from the selected genre

- Press the  $\triangleright$  **Open** key to display all the available albums in the selected genre.
- Use the  $\wedge$  or  $\vee$  keys to step between albums.

Either:

- Press the  $\checkmark$  **Play** action key to play the currently selected album.

Or:

- Press the  $\triangleright$  **Open** key again to select a track from within this album.

Or:

- Press the  $\leftarrow$  key to return to browsing by genre.

## To Browse the library by playlist

Playlists allow you to create your own selections of tracks and save them with a name of your choice such as *Party Music*. For more information about creating a playlist see **To create a new Playlist** p.X.

Either:

- Use the **▲** or **▼** keys if necessary to highlight the **Playlists** option in the **Library Menu**.
- Press the **✓ Select** action key to confirm your selection.

or:

- Press the **PLAYLIST** key on your MusicServer remote control.

The front panel and TV screen both display the Playlists available in your library:



**Note:** If you have not yet created any playlists the list will be empty.

- Press the **▲** or **▼** keys to step between playlists, or press the appropriate letter on your MusicServer remote control to jump directly to the item in the list beginning with that letter.
- Press the **✓ Play** key to begin playback.

## Selecting items directly using your MusicServer remote control.

You can select an album, artist, genre or playlist directly by the first letter of its title using the alphanumeric keypad on your MusicServer remote control.

### To select an album, artist, genre or playlist by name

- Display the appropriate library menu for the item you want to find (e.g. **Select Artist** menu).
- Press the alphanumeric keypad key corresponding to the *first* letter of the item you want to select.

For example to find the artist *Santessa* press the **ARTIST** key to display the **Select Artist** menu, then press the **7** key four times because S is the fourth letter on the **7** key. The front panel and TV screen show the first artist beginning with the letter S.

If there are several artists beginning with the letter S press the **▼** key to step through until you find the artist you are looking for.

### To select a track by number

- Display the list of tracks in the album or playlist.
- Press the key on the alphanumeric keypad corresponding to the track number you want to select.

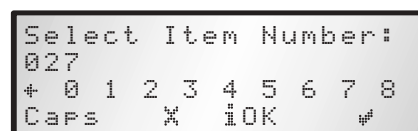
## Selecting an album by number

Each album you have recorded onto the Hard Disk of your MusicServer is allocated a sequence number, from zero upwards. If you know the number of the album you want to listen to you can select it directly by number using the alphanumeric keys on your MusicServer remote control.

- Press the **0** key followed by the number of the album.

For example, to select album 27 press **ALBUM,0,2,7**.

The front panel displays:



- Press the **✓ Select** action key to finish entering the album number.
- Press the **✓ Play** action key once again to begin playing the album.

## PLAYING MUSIC FROM A CD

Your MusicServer allows you to play a CD directly without recording it to the Hard Disk first.

To play a disc:

- Press the **OPEN/CLOSE** key on the front panel to open the CD tray.
- Place a CD in the tray with the label side facing upwards.
- Push the **OPEN/CLOSE** key on the front panel.

Alternatively if you already have a CD in the tray select the **CD** option from the **Main Menu**.

The following prompt is automatically displayed:



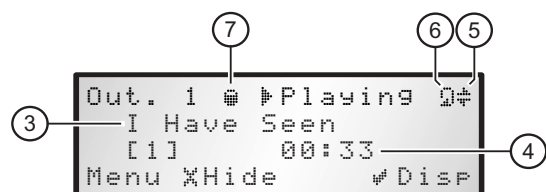
- Press the **✓ Play** action key to begin playing the CD.

## THE OUTPUT SCREEN

Whenever you select an item for playback the following screen is displayed:



The front panel displays:



1. Indicates the title of the album.
2. Indicates the title of the artist.
3. Indicates the name of the track currently playing.
4. Displays either track time or time remaining for the current track.
5. Indicates that random playback is enabled.
6. Indicates that repeat playback is enabled.
7. Indicates that the unit is playing from an item in the Hard Disk library.

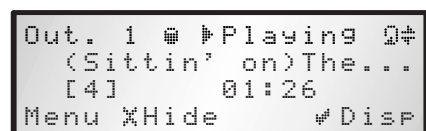
You can display the output screen at any time by pressing the **Output** key. The output key may also be used to select a different output on the MusicServer; for more information see the chapter called **Using your MusicServer in a multiroom system** p.X.

### To change the displayed information

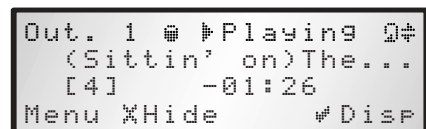
You can choose what information is displayed on the TV screen and front panel display whilst playing;

- Press the **Display** action key to step between the following four options:

Track name, track number, and elapsed time for the current track:



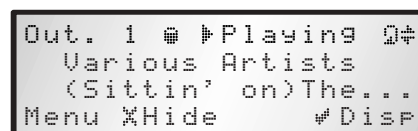
Track name, track number, and time remaining for the current track:



Album name and track name:



Artist name and track name:



## CONTROLLING PLAYBACK

Whether you are playing music from the library or directly from the CD you can pause, stop and resume playback as well as seek and skip tracks at any time.

### To pause play

- Press the **II** key on the front panel or your MusicServer remote control.

### To stop play

- Press the **■** key on the front panel or your MusicServer remote control.

### To resume play

- Press the **▶** key on the front panel or your MusicServer remote control.

### To skip to the next or previous track

- Press the **◀** or **▶** key on the front panel or your MusicServer remote control.

The front panel display shows the number of each track as you skip between them.

### To seek within a track

- Hold down the **◀** or **▶** key on the front panel or your MusicServer remote control.

Play resumes from the new position when you release the key.

## Random and repeat playback

Your MusicServer lets you play albums, artists, genres or playlists in a random order to add variety to your music. You can also play a selection repeatedly.

### To randomise the current selection

- Press the **↔** key on your MusicServer remote control.

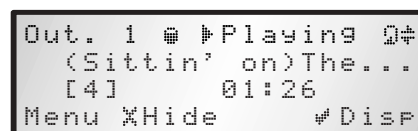
Press the **↔** key again to disable random playback.

### To repeat the current selection

- Press the **↺** key on your MusicServer remote control.

Press the **↺** key again to disable repeat playback.

The front panel and TV screen indicate that both random and repeat are enabled:



## Organising Your Music Collection

This chapter describes the features built into your MusicServer to help you organise the music in your music library, including information about creating playlists of your favourite tracks, deleting albums or tracks you no longer want to store, and naming albums, tracks, and artists.

### USING PLAYLISTS

Your MusicServer allows you to create your own selections of tracks, called playlists, and identify them with a name of your choice. For example, you could select your favourite party tracks from a number of different albums and include them in a playlist called *Party Music*. You can then play your selection simply by choosing the appropriate playlist from the **Select Playlist** menu.

#### To create a new playlist

- Display the **Main Menu** by pressing the **Menu** key on your Music Server remote control.
- Press the **^** or **v** key to highlight the **Library** option and press the **✓ Select** action key.
- Press the **^** or **v** key to highlight the **Edit Playlists** option and press the **✓ Select** action key.

The existing playlists will be displayed:



If you have not previously created a playlist this list will be empty.

- Press the **□ New** key to create a new playlist.
- The following menu then allows you to enter a name for the playlist:



- Enter a name for the playlist using the alphanumeric keys on your MusicServer remote control or using the **grid**.

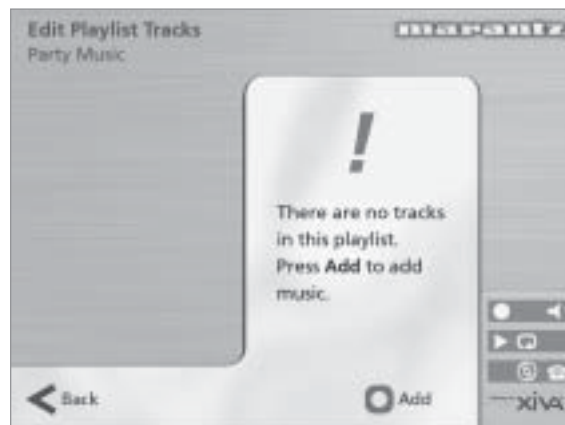
For more information about entering names see the chapter called **Entering and editing names**, p.X.

- Press the **iOK** action key to confirm the name you have entered.

#### To select items for a playlist

- Press the **^** or **v** key to highlight the **Edit Tracks** option and press the **✓ Select** action key.

You will then be prompted to select the items that you want to include in the playlist:



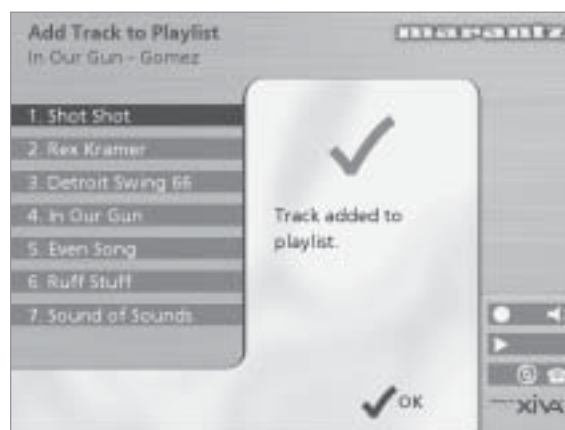
- Press the **□ Add** action key.

The **Add Music Menu** then lets you browse through the music library to select the first item you want to add to the playlist.

You can add whole albums, complete genres, all the albums by a selected artist, another playlist, or individual tracks. For more information on browsing the music library refer to **Playing Music from the Library** p.X.

When you have located the album, genre, artist, playlist or track you want to add:

- Press the **✓ Add** action key to add it to the playlist.



- Press the **✓ OK** action key to continue.

When you have finished compiling the playlist:

- Press the **□ Done** action key to finish adding tracks.
- Press **✓ OK** to confirm your action.



The tracks you have added will be shown in the playlist:



## Editing a Playlist

You can change a playlist at any stage by adding items, deleting tracks, or changing position of tracks in the playlist.

### To add items to a playlist

Either:

- Select the playlist you want to change from the **Select Playlist** menu in the library.
- Press the **i Info** action key to display the **Playlist Information** menu.
- Use the **^** or **v** keys to highlight the **Edit tracks** option and press the **✓ Select** action key.

Or:

- Select **Edit Playlists** from the **Library** menu and highlight the playlist you want to change.
- Press the **✓ Select** action key to open the playlist for editing.
- Use the **^** or **v** keys to highlight the **Edit tracks** option and press the **✓ Select** action key.

Once you have selected the appropriate playlist:

- Press the **□ Add** action key to add new tracks, and locate the item you want to add by browsing through the music library.

### To remove a track from a playlist.

- Open the playlist as previously described.
- Press the **^** or **v** keys to highlight the track you want to remove.
- Press the **✕ Delete** action key to remove the track.
- Press the **✓ OK** action key to confirm your choice.

### To change the position of a track within a playlist.

- Open the playlist as previously described.
- Press the **^** or **v** keys to highlight the track you want to change.
- Press the **i Move** action key to move the track.
- Press the **^** or **v** keys to move the track up or down as required.
- Press the **✓ Set** key to confirm the new track position.

## To edit album information

- Display the **Main Menu** by pressing the **☰ Menu** key on your MusicServer remote control.
- Press the **^** or **v** key to highlight the **Library** option and press the **✓ Select** action key.

Either:

- Press the **^** or **v** key to highlight the **Edit albums** option and press the **✓ Select** action key.
- Select the album you want to edit and press the **✓ Select** action key.

Or:

- Press the **^** or **v** key to highlight the **Albums** option and press the **✓ Select** action key.
- Select the album you want to edit and press the **i Info** action key.

The following menu allows you to choose information to edit:



- Select the item you want to edit and press the **i Edit** action key.
- Proceed as follows to enter a new name.

## ENTERING AND EDITING NAMES

Your MusicServer labels the albums, artists, tracks, and playlists in your music library with names which identify the track you are listening to, and these help you locate items when you are browsing through the library.

If you have an Internet connection, your MusicServer reads the CD information automatically from the Internet CD database. Alternatively you can enter the names manually, using the front panel or your MusicServer remote control. You can also edit the names at any stage to suit your own preferences.

### To enter text using the alphanumeric keypad

- Press the **>** or **<** keys to move the cursor to the required position.
- Use the keys on the alphanumeric keypad to enter a letter.

For example to enter S press the **7** key four times, because S is the fourth letter on the **7** key.

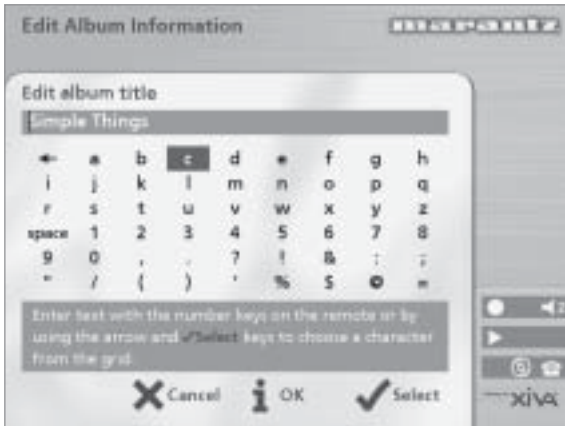
- Press the **DELETE** key on your MusicServer remote control to delete letters.
- Press the **CAPS** key on either the front panel or your MusicServer remote control to switch between upper-case and lower-case letters.

### To select letters from a grid

Alternatively, the **Grid** option provides a convenient way of selecting letters from a grid:

- Press the **V** key to move the cursor into the grid area.

The currently selected letter is highlighted:



- Use the **>**, **<**, **^** or **v** keys to move the cursor and press the **✓ Select** action key to enter each letter.
- Use the **CAPS** key on either the front panel or the MusicServer remote to switch between upper and lower case letters.

If at any time you need to enter text in a different part of the text field, or you want to return to entering text using the alphanumeric keypad:

- Press the **^** key repeatedly until the cursor returns to the text field.

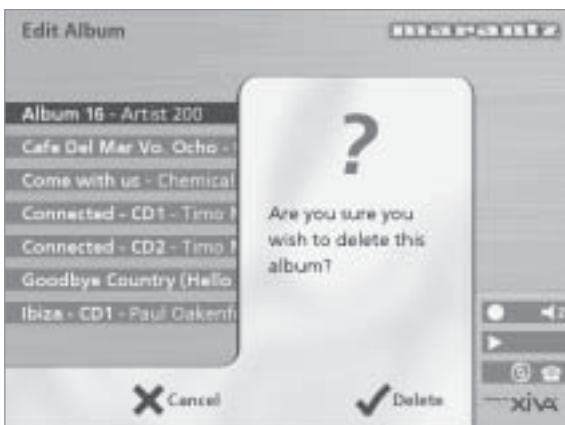
Finally, when you have finished entering the name:

- Press the **iOK** action key.

### Deleting albums, tracks or playlists

You can delete albums, tracks or playlists you no longer want from your MusicServer library.

- Display the **Main Menu** by pressing the **Menu** key on your Music Server remote control.
- Press the **^** or **v** key to highlight the **Library** option and press the **✓ Select** action key.
- Press the **^** or **v** key to highlight either the **Edit Playlists** or **Edit Albums** option and press the **✓ Select** action key.
- Locate the album, playlist or track you want to delete.
- Press the **✕ Delete** action key to delete it.



- If you are sure you want to delete the item, press the **✓ Delete** action key again to complete the operation.

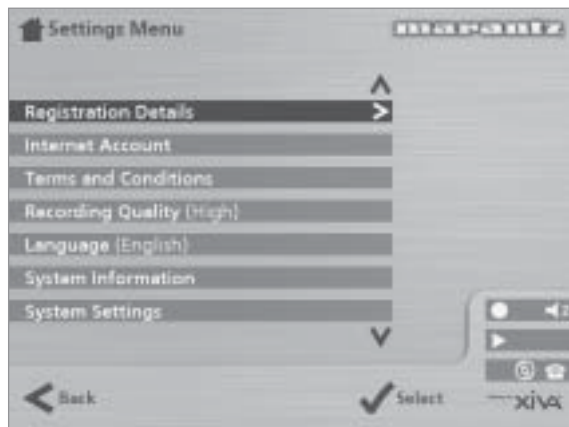
**Note:** This operation will permanently remove information from your Hard Disk; you will need to re-record the album if you delete tracks or albums accidentally. However, deleting a playlist does not remove any music from the Hard Disk - the original albums are unaffected.

## Advanced Settings

This chapter describes the advanced settings that you can access from your MusicServer's **Settings Menu**. These settings are configured automatically for you when you register your MusicServer, and you should not normally need to alter them unless you want to change the configuration of your system.

### To display the Settings Menu

- Display the Main Menu by pressing the **Menu** key on your MusicServer remote control.
- Press the **^** or **v** key to highlight the **Settings** option on the **Main Menu**.
- Press the **✓ Select** action key to display the **Settings** menu:



The following sections describes each of the options on the **Settings** menu.

### Registration Details

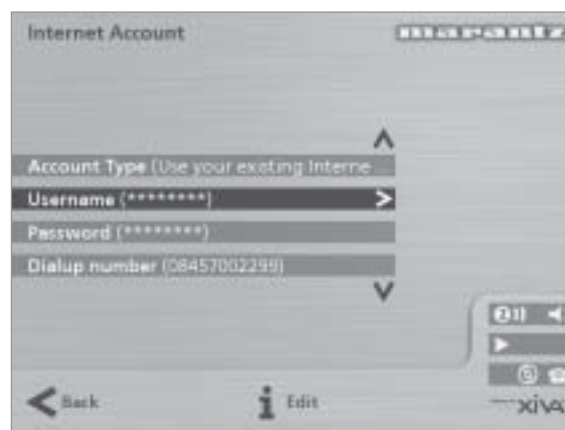
Displays the registration details you entered when you registered your MusicServer, and allows you to edit them:



If you change any of these options your revised registration details will automatically be re-transmitted the next time your MusicServer connects to the Internet.

### Internet Account

Displays your Internet account details and allows you to edit them:



If you chose the **Use Built-in Internet Account** option when registering your MusicServer, the Internet account details were set up automatically for you.

### Terms and Conditions

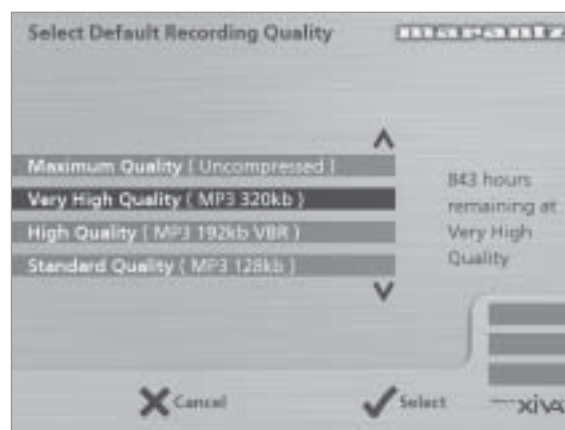
Displays the sequence of terms and conditions screens that were displayed during registration, and allows you to decline or accept the following options:

- Whether you want to receive information on other Marantz products and services.
- Whether you want to receive information about music and other related products from reputable organisations.

If you change your acceptance of any of these options your revised choices will automatically be re-transmitted the next time your MusicServer connects to the Internet.

### Recording Quality

Allows you to specify the recording quality used when you record music using the **Auto** record option:



For each quality setting the screen shows the number of hours of recording time available at that setting.

### Language

Allows you to select the language for the TV user interface - languages available are English, French, German, Italian, and Spanish.

### System Information

Shows the serial number, production date, and software version number of your MusicServer. You may need to quote these if you contact Marantz for technical support.

## System Settings

Provides a series of menus to allow you to change the hardware configuration on your MusicServer:



The following table summarises the settings available on each of the **System Settings** menus:

Option	Description
Network Mode	Specifies whether your MusicServer connects to the Internet via the built-in modem or using the Ethernet port.
Modem Settings	Allows you to specify the following settings when connecting via the built-in modem: number of connection retries, the Assigned IP address and the Server IP address, the modem initialisation string, and whether to use tone or pulse dialling.
Ethernet Settings	Allows you to specify the following settings when connecting via the Ethernet port: IP address mode, IP address, IP Mask, Gateway, IP DNS1, IP DNS2.
Controller Settings	Specifies the communication speed for the <b>CONTROLLER</b> port on the rear of the unit.
Video settings	Specifies whether the unit is configured for PAL or NTSC use.
Remote Diagnostics	Select this option if instructed to set up your modem to receive incoming calls from Marantz technical support staff.

## Output Settings

The volume setting of each individual output of the MusicServer may be configured as either **variable** or **fixed**.

If the volume setting is set to **fixed** the output level is set to maximum and the balance is set to the central position. In this mode the **▲ Vol.** and **Mute** keys on the MusicServer remote control do nothing\*.

If the volume setting is set to **variable** the output level can be altered at any time using the **▲ Vol.** and **Mute** keys on the MusicServer remote control. A **Balance** option is also available from the **Volume Settings** menu which allows you to adjust the left/right balance.

**\*Note:** The MusicServer remote control can be configured so that when the **HDD Audio** device is selected the **▲ Vol.** and **Mute** keys operate the volume and mute controls on an amplifier. For more information see the chapter called **Configuring your remote to control other devices** p.X.

## Using MusicServer in a multiroom system

The MusicServer DH9300 is capable of playing different music in up to four rooms simultaneously. This chapter explains how the MusicServer can be controlled from the remote room and how the TV interface has been designed to allow several users to access the music library.

### BASIC CONFIGURATION

The rear panel of the Marantz MusicServer has four TV composite output connectors to allow up to four televisions to be connected directly to the MusicServer as well as four independent analogue audio outputs and four Remote In data connections.

The diagram below shows the MusicServer in a basic multiroom configuration. The connections required are as follows:

- **Video Out 1, 2, 3 & 4** are connected to the composite input of a suitable television in each room.

**Note:** The same TV interface picture is distributed to all four televisions hence the order in which they are connected is not important.

- **Analogue Audio 1, 2, 3 & 4** are each connected to the stereo input of an amplifier.

**Note:** If one of the amplifiers has a digital input (either coaxial or optical) this may be used in preference to analogue output 1.

- **Remote In 1, 2, 3, & 4** are connected to the **System Control** connection of a suitable amplifier.

**Note:** The Marantz **System Control** connection allows Marantz components to be linked together for integrated

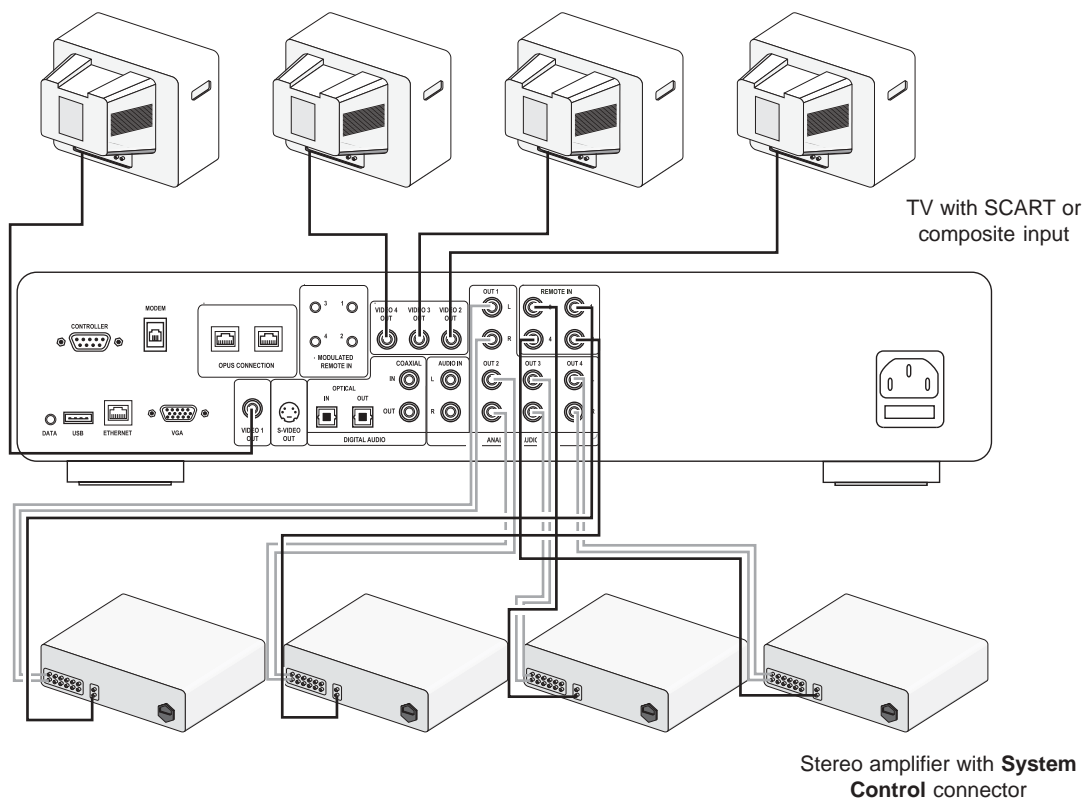
remote operation. The **System Control** interface allows an amplifier to act as the remote control centre for an entire Marantz system; in this installation the **System Control** compatible amplifier acts as an infrared receiver for the remotely located MusicServer.

### REMOTE CONTROL USE IN A MULTIROOM SYSTEM

The multiroom **Remote In** connection allows the MusicServer to determine which remote room is currently browsing the music library. For example if a user in room two presses a key on the MusicServer remote control the TV user interface will automatically switch to the appropriate output for that room (by default this is output 2). In order to prevent users in other rooms from browsing the library, the TV interface control is given exclusively to the user in room two for a short period of time. This can be seen on the display below:



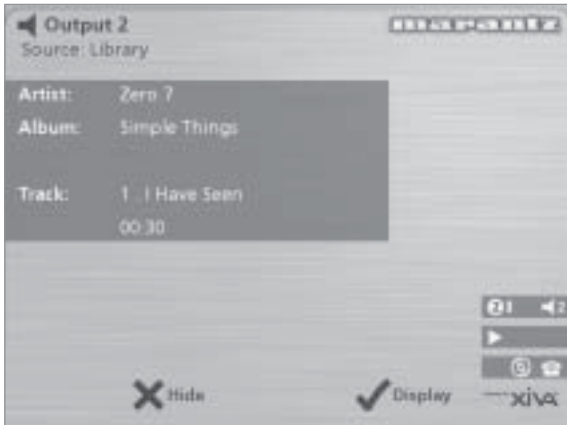
The number inside the circle indicates which remote currently has control of the TV interface. The bar to the right of this indicates how long the user has before the TV interface is available for other users to access. The number to the right of this indicates which output this user is currently controlling.



### To change output on the MusicServer

- Press the **Output** key either on the front panel or on the MusicServer remote.

The following screen is displayed:



The output screen indicates what is playing on the currently selected output.

- Press the **Output** key again to switch to the next output.
- Once the required output number is displayed, press the **Hide** key to hide the output display.

### Using the Default o/p button

The **default o/p** button returns the User Interface to the **Library** Menu and sets the output to the default output for that room. For example, pressing the **default o/p** button on the MusicServer remote while in room two will return the user interface to controlling output two.

The default o/p button can be used to set the TV User interface to a known state, and can therefore help you to select music without viewing the TV user interface. By pressing **Default o/p**, **✓ Select, Album, 0, 5, ✓ Select** album five will start playing in the room where the MusicServer remote is currently being used.

## MULTIROOM CONTROL SYSTEMS

Your MusicServer is also compatible with a number of leading multiroom control systems. The **Controller** port on the rear of the system uses a versatile protocol called **XiVA-Link** which allows access to most of the MusicServer functions remotely.

Please contact your nearest Marantz representative for the current list of supported multiroom control systems.

## Getting Help

### TROUBLESHOOTING

If you think a malfunction has occurred, first check the points listed below. The problem is likely to have been caused by a simple operational error or a connection problem. If the problem cannot be corrected even after carrying out the following checks, consult your dealer or nearest Marantz sales office or service counter.

#### The front panel display does not light

- Is the mains lead plugged in properly at the wall?
- Is the mains lead plugged in properly at the back of the unit?
- Does another device operate correctly using this same mains outlet?

#### The system seems to be playing but no sound is heard

- Is the amplifier and speakers connected correctly?
- Is the amplifier switched on?
- Is the amplifier's volume control set at the minimum level?
- Is the amplifier's selector switch set to the correct input (e.g. "CD" or "AUX")?
- Which output is the MusicServer currently playing on (this is displayed on the TV screen)? Is this the output you have connected to the amplifier?

#### The MusicServer TV interface is not visible

- Is the TV switched on? Can other channels be viewed successfully?
- Is the TV switched to the correct AV input?
- Are you using the correct video cable to connect the TV?

#### The MusicServer TV interface does not appear correctly

- Is the MusicServer video type (PAL/NTSC) correctly configured for this TV type?

#### Remote control operation is not possible

- Is the remote control unit's transmitter pointed correctly at the remote sensor on the front of the MusicServer?
- Is there an obstruction between the transmitter and the remote sensor?
- Are the batteries in the remote control exhausted?
- Is there another strong light (from a window etc.) striking the MusicServer's remote sensor?

#### A CD/CD-R disc cannot be played

- Is the disc placed in upside down?
- Is the disc damaged, dirty, scratched or warped?
- Is the disc a valid audio format CD?

#### Some tracks of the CD cannot be recorded

- Is the disc damaged, dirty, scratched or warped?
- Are the failed tracks valid audio tracks?

## OPERATING PRECAUTIONS

In the winter you may notice that condensation forms on the window of a well heated room.

Condensation may also occur inside the MusicServer in the following situations:

- When the listening room is first heated.
- When the humidity in the room is high.
- When the unit is moved from a cold environment to a warm room.

In these situations it is best to leave the MusicServer standing for a period of 2 hours, whilst the condensation is dispersed.

During periods of extended use you may notice that a small fan inside the unit starts to operate. This is part of normal operation to maintain a constant operating temperature inside the unit.

## CLEANING OF EXTERIOR SURFACES

With proper care and cleaning, the exterior finish of your equipment will last indefinitely. Never use scouring pads, steel wool, scouring powders or harsh chemical agents (e.g. lye solution), alcohol, thinners, benzine, insecticide or other volatile substances, as these will mar the finish of the cabinet. Likewise, never use cloths containing chemical substances. If the equipment becomes dirty, wipe the external surfaces with a soft, lint-free cloth.

If the cabinet becomes heavily soiled:

- Dilute some washing-up liquid in water, in a ratio of one part detergent to six parts water
- Dip a soft, lint-free cloth in the solution and wring the cloth out until it is damp
- Wipe the equipment with the damp cloth
- Dry the equipment by wiping it with a dry cloth.

## REPAIRS

Only the most competent and qualified service technicians should be allowed to service the equipment. The Marantz company and its factory trained warranty station personnel have the knowledge and special facilities needed for the repair and calibration of this precision equipment. After the warranty period has expired, repairs will be performed for a charge if the equipment can be restored to normal operation.

In the event of difficulty, consult your dealer or write directly to the nearest location to you that is listed on the Marantz Authorised Service Station list. Please quote the model and serial number of the equipment and give a full description of what you think is abnormal about the equipment's behaviour.

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ALGERIE	Azur 2000	8, Lotissement Ben Hatadi, Alger, Algerie
ARMENIA	NGYIG Ltd.	47 A/75 St. Lalaianis, 375000 Yerevan, Armenia
AUSTRALIA	Jamo Australia Pty. Ltd.,	24 Lionel Road, Mt. Waverley, VIC 3149, Australia
AUSTRIA	Huber & Prohaska GmbH	Taborstraße 95 / Ladestraße 1, Gebäude Hangartner, A-1200 Wien, Austria
BAHREIN	Ambassador Stores	P.O. Box 237, 141, Government Avenue, Manama, Bahrain
BANGLADESH	Target	1078, Ramjoy Mohanraja Lane Asadgonj, Chittagong 4000, Bangladesh
BELGIUM	Van der Heyden Audio N.V.	Brusselbaan 278, 9320 Erembodegem, Belgium
BULGARIA	Ariescommerce GmbH	Makedonia Blvd. 16, 1606 Sofia, Bulgaria
CANADA	Lenbrook Industries Limited	633 Granite Court, Pickering, Ontario
CHINA	Guang Chang Audio International Co., Ltd.	No.38 Yushan Road, ShiQiao, Pan Yu, Guang Dong, China
CYPRUS	Empire HiFi systems Ltd.	P.O. Box 5604, Nicosia, Cyprus
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MALAYSIA	Wo Kee Hong Electronics Sdn. Bhd.	Suite 8.1, Level 8, Menara Genesis, No. 33, Jalan Sultan Ismail, 50250 Kuala Lumpur, Malaysia
MALTA	Doneo Co Ltd.	78 The Strand, Sliema SLM07, Malta
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