

Integra®

Audio Network Server

NAS-2.3/2.6

Instruction Manual

Thank you for purchasing the Integra Audio Network Server.

Please read this manual thoroughly before making connections and plugging in the unit. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new Audio Network Server. Please retain this manual for future reference.

Contents

Before Using

Important Safety Instructions	2
Precautions	3
Features	5
Accessories	5
Quick Start Guide	6

Using your Audio Network Server

Controls and Connections	8
Registering your Audio Network Server ...	14
The Audio Network Server Main Menu ...	16
Recording Music	17
Playing Music	22
Organizing your Music Collection	26
Advanced Settings	30
Using your Audio Network Server with a Portable Player	32
Using your Audio Network Server with Net-Tune Network Clients	34
Using your Audio Network Server in a Multiroom System	36

Appendix

Getting Help	38
Specifications	38
Index	39

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.

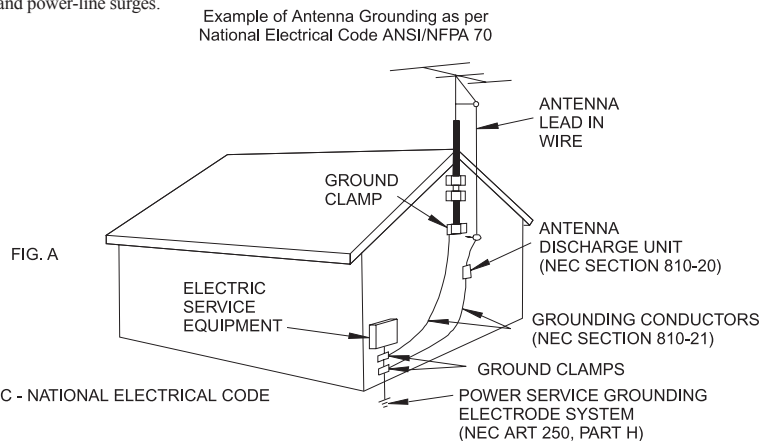
DAMAGE REQUIRING SERVICE - Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain 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.

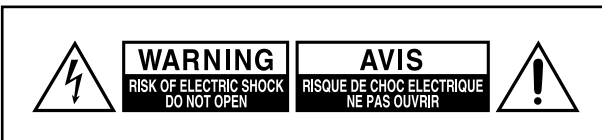
WALL OR CEILING MOUNTING - The product should not be mounted to a wall or ceiling.

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



This product has been investigated using requirements contained in the Standard for Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use, UL6500, Second Edition, dated 30 September 1999, including revision version dated September 9, 2002.

This product has been investigated using requirements contained in the standard for Safety Requirements for Audio, Video and Similar Electronic Apparatus, CAN/CSA-E60065-00, dated October, 2000.



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.

Precautions

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

For U.S. models

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 models

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 models

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. AS/NZS 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.”



1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

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.

It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the electrical wall outlet.

Precautions

WARNINGS

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 pull out the plug by pulling on the mains lead; grasp the plug.

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

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 0.1 m 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.

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 Integra/Onkyo. Dispose of batteries according to the manufacturer's instructions.

CD handling Precautions

- Handle discs carefully so as not to damage or scratch the front side. Always keep the disc surface clean.
- 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.
- Do not use a disc with a special shape
- For best performance when recording from a CD try to maintain a temperature of 35°C or less in the room where the Audio Network Server is located.

DTS encoded discs

Caution - when playing DTS encoded CDs excessive noise will be heard on the analog outputs jacks of the Audio Network Server. To avoid possible damage to the audio system you should ensure that the correct connections are made to your amplification system for replaying this type of disc.

Power cord precautions

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

COPYRIGHT NOTICE

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.

CAUTION

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

STANDBY BUTTON

When this button is pressed once, the power turns **On** and information will appear on the display. When pressed again, press the **Off** action key or the **i** key on the remote control to switch to **Off** mode.

When the unit is in **Off** mode the "Standby" indicator is lit; the apparatus is not disconnected from the AC mains supply in this mode.

Copyright notice



NET-TUNE is a trademark of the Onkyo Corporation.

The NAS2.3/2.6 Audio Network Server software and this documentation are copyright materials. No part of the Audio Network Server software or this documentation may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, or computer language, in any form or by any means without prior written permission of Imerge.



XiVA™ is a registered trademark of Imerge Ltd. All other product names are trademarks or registered trademarks of their respective owners.

Cover art illustration from the XiVA™ on-line service ©2004 Muze Inc.

Music recognition technology and related data are provided by Gracenote and the Gracenote CDDB® Music Recognition ServiceSM. Gracenote is the industry standard in music recognition technology and related content delivery. For more information go to www.gracenote.com



CD and music-related data from Gracenote, Inc., copyright © 2000-2005 Gracenote. Gracenote CDDB® Client Software, copyright 2000-2005 Gracenote. This product and service may practice one or more of the following U.S. Patents: #5,987,525; #6,061,680; #6,154,773, #6,161,132, #6,230,192, #6,230,207, #6,240,459, #6,330,593, and other patents issued or pending. Services supplied and/or device manufactured under license for following Open Globe, Inc. United States Patent 6,304,523.

Gracenote and CDDB are registered trademarks of Gracenote. The Gracenote logo and logotype and the "Powered by Gracenote" logo are trademarks of Gracenote.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and THOMSON multimedia.

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 Integra.

This guide was designed and produced by Imerge Ltd.

Precautions

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. The next generation media appliance is powered by XiVA™.

Gracenote CDDB Flow-Down License Terms

This product contains technology and data from Gracenote of Berkeley, California (“Gracenote”). The technology from Gracenote (the “Gracenote Embedded Software”) enables this product to do disc identification and obtain music-related information, including name, artist, track, and title information (“Gracenote Data”), which is included on the Gracenote Database (the “Gracenote Database”).

You agree that you will use Gracenote Data, the Gracenote Database, and Embedded Software for your own personal non-commercial use only. You agree that you will access Gracenote Data only by means of the standard end user functions and features of this product. You agree not to assign, copy, transfer or transmit the Embedded Software or any Gracenote Data to any third party. YOU AGREE NOT TO USE OR EXPLOIT GRACENOTE DATA, THE GRACENOTE DATABASE, OR GRACENOTE COMPONENT, EXCEPT AS EXPRESSLY PERMITTED HEREIN.

You agree that your non-exclusive license to use the Gracenote Data, the Gracenote Database, and Embedded Software will terminate if you violate these restrictions. If your license terminates, you agree to cease any and all use of the Gracenote Data, the Gracenote Database, and Gracenote Embedded Software. Gracenote reserves all rights in the Gracenote Data, Gracenote Database, and Gracenote Embedded Software, including all ownership rights. You agree that Gracenote may enforce its rights under this Agreement against you directly in its own name.

The Embedded Software and each item of Gracenote Data are licensed to you “AS IS.” Gracenote makes no representations or warranties, express or implied, regarding the accuracy of any Gracenote Data. Gracenote reserves the right to delete data or to change data categories in any Data updates and for any cause that Gracenote deems sufficient. No warranty is made that the Embedded Software is error-free or that functioning of the Embedded Software will be uninterrupted. Gracenote is not obligated to provide you with any new enhanced or additional data types or categories that Gracenote may choose to provide in the future.

GRACENOTE DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. GRACENOTE DOES NOT WARRANT THE RESULTS THAT WILL BE OBTAINED BY YOUR USE OF THE GRACENOTE COMPONENT OR ANY GRACENOTE SERVER. IN NO CASE WILL GRACENOTE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OR FOR ANY LOST PROFITS OR LOST REVENUES.

Features

Welcome to the **NAS-2.3/2.6 Audio Network Server** from Integra. The Audio Network Server is a revolutionary way of filling your home with music.

Your Audio Network Server 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 Gracenote CDDB Music Recognition Service as well as album cover art illustration from the XiVA on-line service. Your Audio Network Server also lets you organize your music collection and create selections for different occasions to suit your mood.

Incredible capacity

Your Audio Network Server is a hard disk based audio system which can store thousands 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 organize 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 Audio Network Server records the CDs from your music collection at faster than real time. It then automatically connects to the Gracenote CDDB Music Recognition Service 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 Audio Network Server allows you to compile personal playlists and then automatically play tracks from the playlist you have selected. Playlists let you customise your Audio Network Server 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 Audio Network Server 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.

Accessories

Stereo RCA cable	1
Video cable	1
Modem cable	1
Power cord	1
Remote control unit	1
AAA (R03P) dry cell batteries	2

Quick Start Guide

Controls

- 1. Output button:** Press this button to display information on the music currently playing. On the NAS 2.6 model press this button again to switch to the next output.
- 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 center selects the currently highlighted option.
- 4. Transport keys:** Controls the playback of music. The **□ Record** 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 Audio Network Server.
- 6. Remote control action keys:**
 - Press the **Menu** key to display the main menu at any time.
 - Press the **✕** 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.

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.

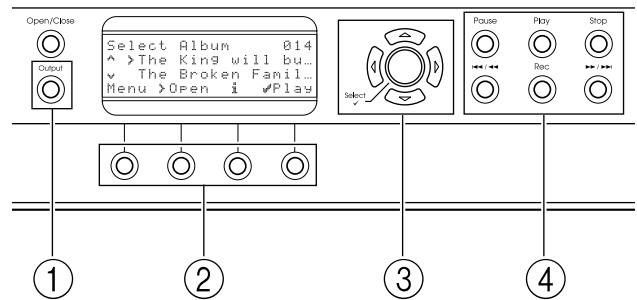


Fig. A - Front panel display

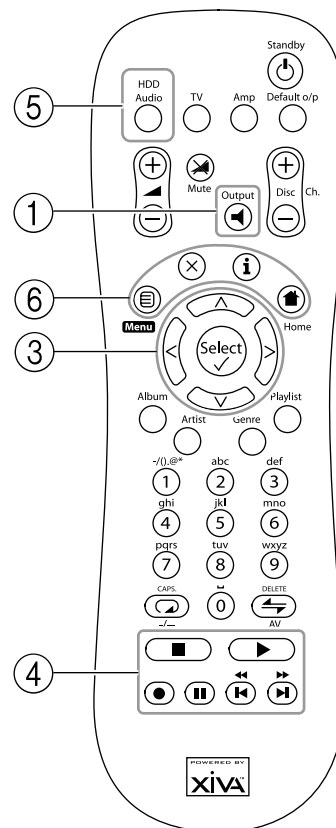



Fig. B - Remote Control



Fig. C - TV User Interface

Quick Start Guide

Playing Music

- Display the **Main Menu** by pressing the  **Menu** key on your Audio Network Server 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 Audio Network Server remote control.



To pause play

- Press the  key on the front panel or your Audio Network Server remote control.

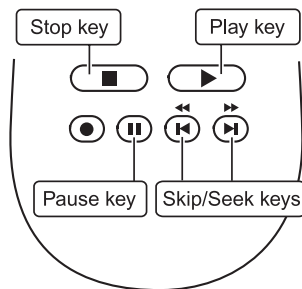
To skip to the next or previous track

- Press the  or  key on the front panel or your Audio Network Server remote control.

To seek within a track

- Hold down the  or  key on the front panel or your Audio Network Server 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.

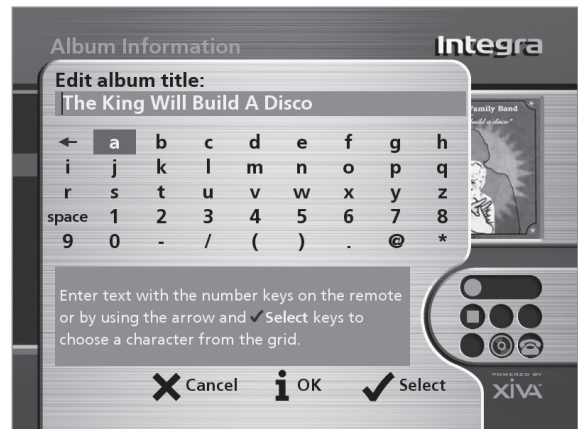
- Press the **DELETE** key on your Audio Network Server remote control to delete letters.
- Press the **CAPS** key on either the front panel or your Audio Network Server remote control to switch between upper-case and lower-case letters.

To select letters from a grid

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

- 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 Audio Network Server 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. Use the **>** and **<** keys to move to the part of the text you wish to edit.


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 Audio Network Server is not being used for a short period of time. **Do not** remove the power from the Audio Network Server in this mode.


- Press the **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 Audio Network Server 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 Audio Network Server in this mode.

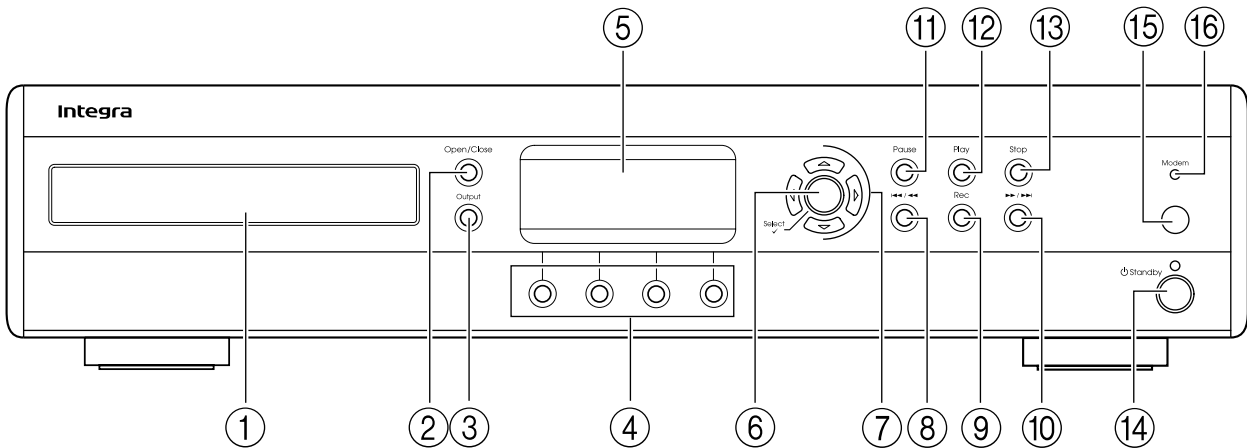
- Press the **Standby** key on the front panel or the  **Standby** key on the remote control.
- Press the **i Off** action key to enter off mode.

To switch on from standby or off mode

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

Controls and Connections

Front View



This section provides information on the controls and connections available on your Audio Network Server.

① Disc Tray

Insert a disc with the label side up.

② 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.

③ Output button

Press the **Output** button to display what music is currently playing. On the NAS-2.6 model press this button again to switch to the next output.

④ 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 Audio Network Server action keys** page 13.

⑤ Display

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

⑥ Select button

Selects the option currently visible on the display.

⑦ Navigation buttons

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

⑧ ⏮ / ⏪ 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.

⑨ Rec button

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

⑩ ⏭ / ⏩ 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.

⑪ Pause button

Press the **Pause** button to interrupt playback temporarily.

⑫ Play button

Press the **Play** button to resume playback if the music has been stopped or paused.

⑬ Stop button

Press the **stop** button to halt playback.

⑭ ⏻ Standby

Press the standby button to put your Audio Network Server into either **standby** or **off** mode, press again to switch your Audio Network Server back on.

⑮ Remote Sensor

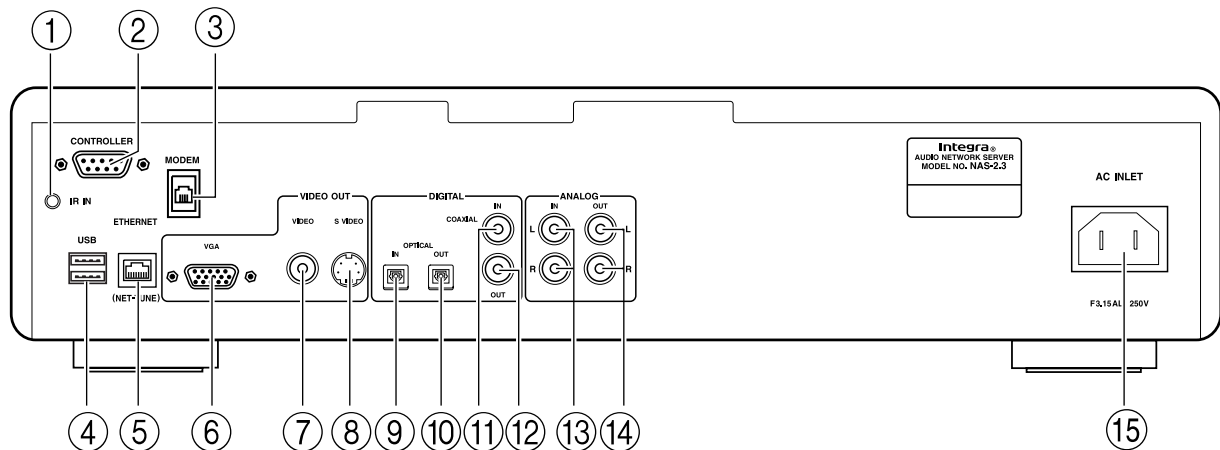
This window receives signals transmitted from the remote control unit.

⑯ Modem

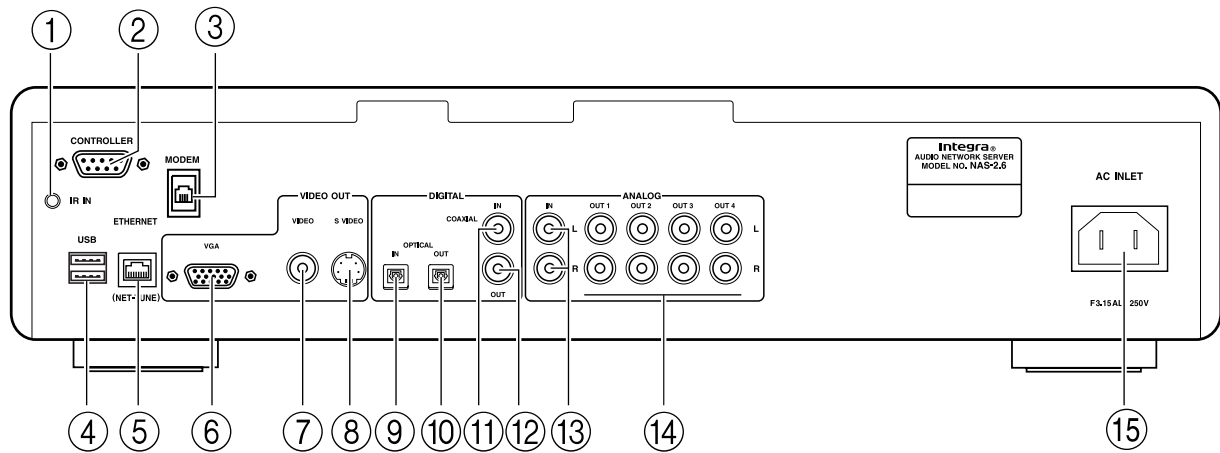
The online indicator is illuminated when the modem is active.

Controls and Connections

Rear View - NAS-2.3



Rear View - NAS-2.6



① IR In

The **IR In** connection allows remote control information to be carried from other devices directly into the Audio Network Server.

② CONTROLLER

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

③ MODEM

The **Modem** port can be used to connect the Audio Network Server to a standard Analog telephone line for internet access (using the supplied cable).

④ USB

Allows the Audio Network Server to communicate with supported USB devices.

⑤ ETHERNET (NET-TUNE)

The **Ethernet** port can be used to connect a Net-tune device (such as the NAC-2.3) for remote network playback of your music collection. It may also be used to connect the Audio Network Server to a high speed internet connection and to connect supported software applications to communicate with the system. A shielded Ethernet cable should be used in conjunction with this connection.

⑥ VIDEO OUT VGA

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

⑦ VIDEO OUT VIDEO

Connect the composite **Video** output of the Audio Network Server 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.

⑧ VIDEO OUT S-VIDEO

Connect the **S-VIDEO** output of the Audio Network Server 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.

⑨ DIGITAL OPTICAL IN

High Quality recordings can be made onto the hard disk of the Audio Network Server using an optical connection from a suitable device (such as Minidisc or DAT).

⑩ DIGITAL OPTICAL OUT

The digital optical output can be used to transmit high quality audio to a device with a digital optical input (D/A convertor, A/V amplifier etc.) using an optical fibre cable. The advantage of using the optical

Controls and Connections

output is that it has low signal loss due to cables and is completely isolated from the ground loop. The audio output of the **Digital Optical Out** connector is the same as the audio output of the **Analog Audio Out** connector.

Note:

This output may not be used for making a digital copy of your media.

11 DIGITAL COAXIAL IN

High Quality recordings can be made onto the hard disk of the Audio Network Server using a coaxial connection from a suitable device (such as Minidisc or DAT).

12 DIGITAL COAXIAL OUT

By connecting this jack to a digital audio component (D/A converter, A/V amplifier etc.), digital signals from the Audio Network Server can be transmitted directly from the system without first being converted to Analog. The audio output of the **Digital Coaxial Out** connector is the same as the audio output of the **Analog Audio Out** connector.

Note:

This output may not be used for making a digital copy of your media.

13 ANALOG IN

Analog sources (such as cassette or vinyl LP) may be recorded onto the hard disk of the Audio Network Server using this connection.

14 ANALOG OUT

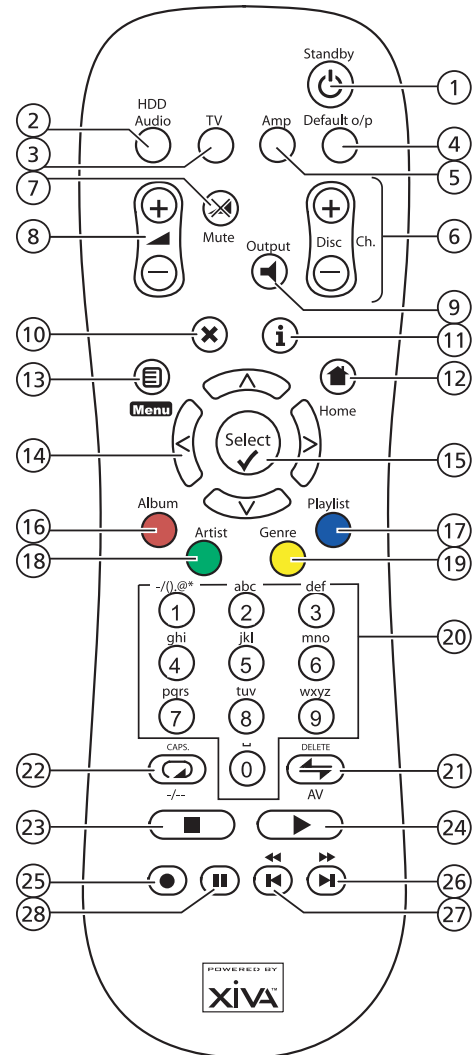
Connect the **Analog Out** jacks to the input jacks of your audio pre-amplifier. On the NAS-2.3 model there is one **Analog Out** jack; on the NAS-2.6 model there are four independently controlled **Analog Out** jacks.

15 AC INLET

Connect the supplied power cord to this connector to provide power to the unit.

Remote Control

The following diagram explains the function of the keys on your Audio Network Server remote control:



1 ⏻ STANDBY button

Places the Audio Network Server in/out of **standby** or **off** mode.

2 HDD Audio button

Selects the Audio Network Server as the device to be controlled.

3 TV button

This button is not used by the Audio Network Server.

4 Default o/p button

On the NAS-2.6 model this button resets the TV user interface to controlling the default output for the room where you are located. For more information on multiroom use of the Audio Network Server see the chapter called **Using your Audio Network Server in a Multiroom System** page 36.

Controls and Connections

5 Amp button

This button is not used by the Audio Network Server.

6 Disc/Ch. buttons

Selects the next/previous album (or playlist) on your Audio Network Server.

7 Mute button

Provided that the Audio Network Server output volume setting is set to **variable** this button will mute the output of the Audio Network Server. For more information see the chapter **Advanced Settings** page 30.

8 (Volume +/-) buttons

Provided that the Audio Network Server output volume setting is set to **variable** these buttons will increase/decrease the volume of the Audio Network Server output. For more information, see **Advanced Settings** page 30.

9 Output button

Press the **Output** button to display what music is playing on the currently selected output. On the NAS-2.6 model press this button again to 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.

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.

12 (Home) button

The **home** button 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** button to return to the main **Library** menu.

13 **Menu** button

The **menu** button 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.

17 **Playlist** button

The **playlist** button can be used to display the playlists in your music library.

18 **Artist** button

The **artist** button can be used to jump to the artist list in the music library.

19 **Genre** button

The **genre** button can be used to jump to the genre list in the music library.

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.
- When browsing the list of presets these buttons allow you to jump to a preset number.
- 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).

21 (Random)(DELETE) button

The **random** button has the following functions:

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

22 (Repeat) (CAPS) button

The **repeat** button has the following functions:

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

23 (Stop) button

During playback the **stop** button halts playback on the Audio Network Server.

24 (Play) button

The **play** button can be used to resume playback on the Audio Network Server.

25 **RECORD** button

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

26 **Fast Forward** button

When this 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 **Previous Track** button

When this 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) button

Press the **pause** button to interrupt playback temporarily.

Controls and Connections

Connecting your Audio Network Server

The diagram below illustrates the basic connections required to use your Audio Network Server.

Note: Do not make any connections to the Audio Network Server while the power supply is connected and switched on.

- Connect the supplied telephone lead to a standard analog telephone socket. Connect the other end of this lead to the jack marked **MODEM** on the back panel of the Audio Network Server.
- Connect the red plug of the supplied audio lead to the red **ANALOG OUT** jack on the back of the Audio Network Server. Connect the adjacent white plug to the white **ANALOG OUT** jack on the Audio Network Server. Connect the other end of this cable to the AUX or CD inputs on your amplifier. In the same way connect the other **ANALOG OUT** jacks of the NAS-2.6 model to additional amplifiers as appropriate.
- Connect the yellow plug of the supplied TV lead to the yellow **VIDEO OUT VIDEO** jack of the Audio Network Server. Connect the yellow plug to the video input on the rear of your TV.
- Connect the supplied power cord to your electrical wall outlet.
- Switch on your television. Select the appropriate video channel to view the Audio Network Server TV User Interface display.

Switching on and off

There are two power saving modes available from the **Standby** button on the Audio Network Server front panel and the **Standby** button on the remote control.

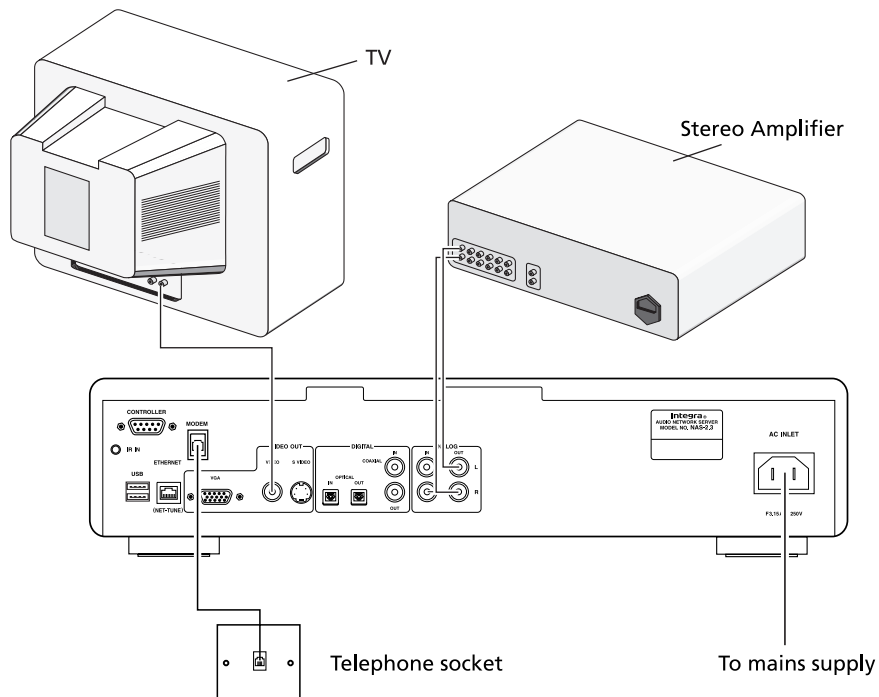
If you are not using your Audio Network Server it is strongly recommended that you place the unit into one of the two power saving modes.

Standby mode

Standby mode should be used when the Audio Network Server 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 Audio Network Server in this mode.

Off mode

Off mode should be used when the Audio Network Server 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 Audio Network Server in this mode.



Basic connections required for Audio Network Server operation

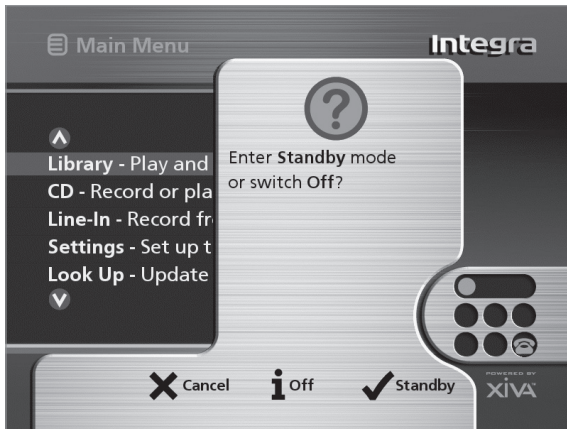
Note: Digital Outputs cannot be used for making a digital copy of your media.

Controls and Connections

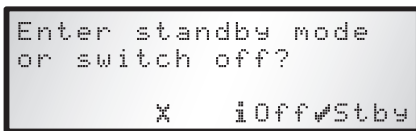
To enter standby or off mode

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

The following prompt is displayed:



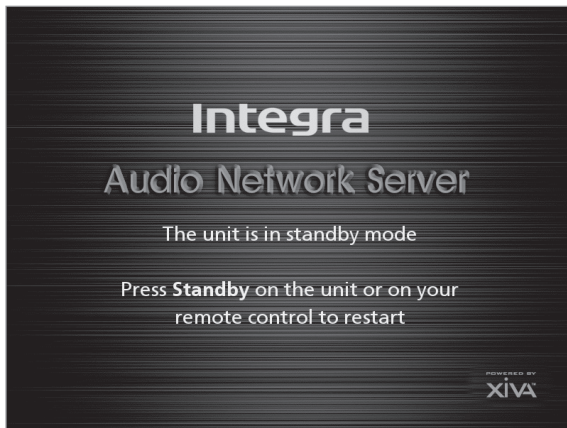
The front panel display shows:



Either:

- Press the **Stby** 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.

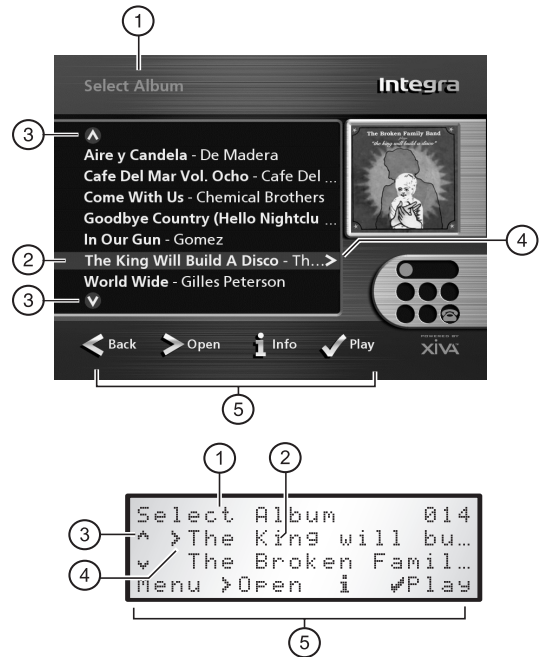
After a short period of time the TV display and front panel display will switch off.

To switch on from standby or off mode

- Press the **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 Audio Network Server 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 Audio Network Server action keys

The front panel of your Audio Network Server 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. In the example above, the functions **Menu**, **Open**, **Info**, and **Play** are available; next to each option is a symbol indicating where a key on the Audio Network Server remote control may be used instead of pressing the action key. By default:

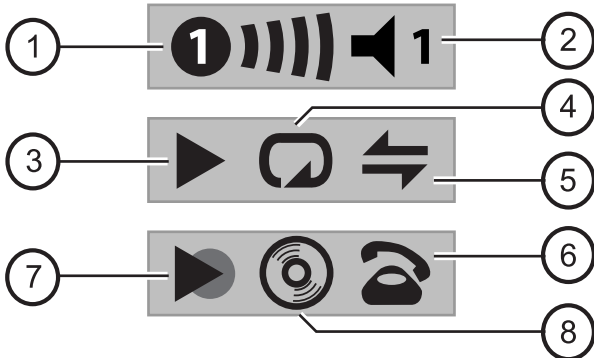
- **i** corresponds to an **information** action
- **X** corresponds to a **cancel** action
- **✓** corresponds to a **select** action

The TV screen also displays these actions as well as other actions available on the Audio Network Server remote control.

Controls and Connections

Audio Network Server status icons

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



1. Indicates the default output of the remote currently in control of the TV user interface (this will always indicate “1” on the NAS-2.3 model). 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 remote. A red circle indicates that infrared is being received from a remote with a different default output 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.
2. Shows which output the user interface is currently controlling. On the NAS 2.3 model this symbol will always indicate output 1.
3. Indicates the playback status of the currently selected output (e.g. play, stop, pause etc.)
4. Indicates whether repeat is enabled on the currently selected output.
5. Indicates whether random is enabled on the currently selected output.
6. When the handset is lifted the unit is connected to the internet using the built-in modem; when the handset is on top of the telephone the unit is offline. If your Audio Network Server is set to connect to the internet via a broadband ethernet connection this symbol is not used.
7. Indicates that a line-in recording is currently in progress.
8. Indicates that an audio CD is inside the CD tray.

Registering your Audio Network Server

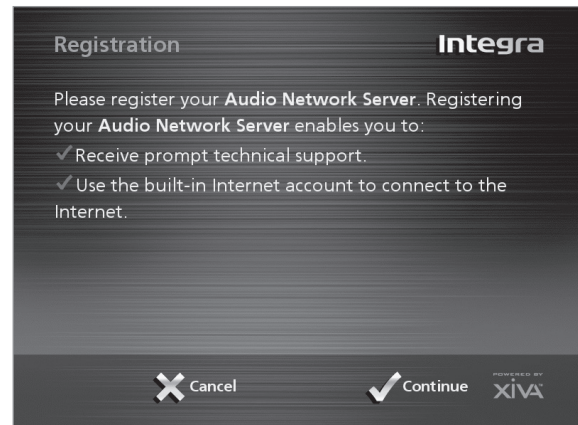
Before using your Audio Network Server you should spend some time registering your purchase. This enables you to receive technical support as well as software upgrades.

To register your Audio Network Server

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

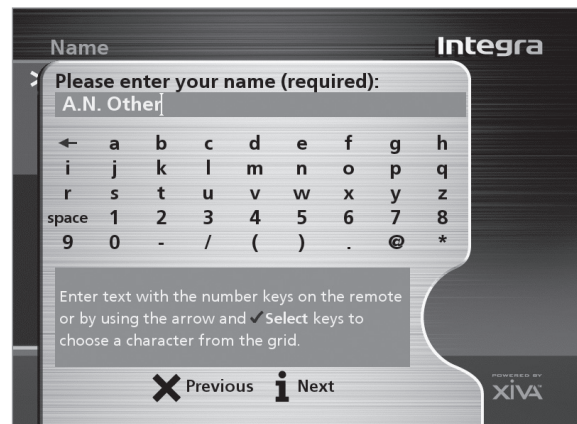


The following registration screen will be displayed:



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

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



Registering your Audio Network Server

To use the alphanumeric keypad

As part of the registration process you will need to enter your name and address into the Audio Network Server. 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 S press the 7 key four times.
Switch between entering upper case or lower case letters	Press the action key labelled Caps or the ↻CAPS key on the remote control.
Enter a space.	Press the 0 key.
Delete a mistake	Press the ↵DELETE key on the remote control.
Move the cursor within the text	Press the < or > keys.

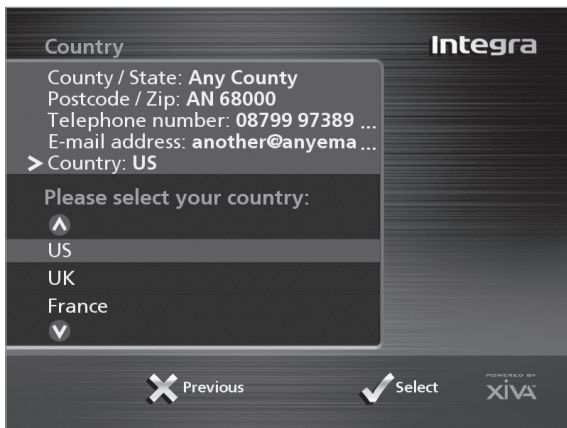
Alternatively you can use the built-in alphanumeric **grid** to enter details:

- 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** key on the remote or the **✓** action key on the front panel.

To connect your Audio Network Server to the Internet

The next sequence of screens helps you connect your Audio Network Server to the Internet.

- Press the **Cont.** action key on the front panel or the **☑Select** key on the remote to begin.

The following screen then allows you to select from a range of options to set up your internet connection:



- Press the **▼** or **▲** keys to select between the following options:

1. Use Ethernet.

Use this option to connect to a high speed, broadband internet service via the Ethernet port.

Note: You will require additional networking hardware for this type of connection. Contact your dealer for further information.

Note: AOL and Compuserve accounts are not currently supported.

2. Use Modem - the built-in account.

Your Audio Network Server will connect using a pre-installed internet account for your country.

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

3. Use Modem - your own 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 Audio Network Server. 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.

4. Do not connect.

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 **✓** action key on the front panel or the **☑Select** key on the remote to select the option you have chosen.

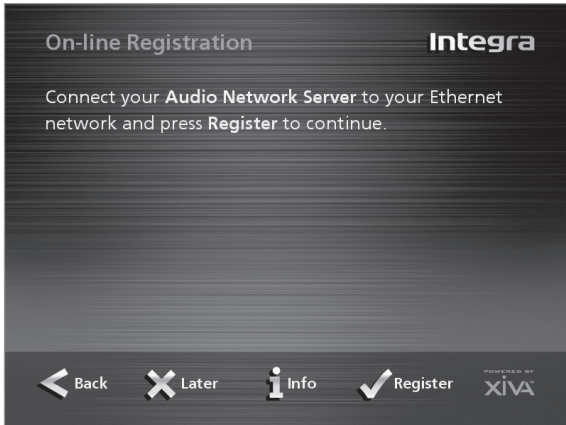
If you have selected **Use Ethernet** follow the on-screen instructions to specify how your Audio Network Server obtains an Ethernet IP address. If you select the **Manual** option a series of screens will allow you to enter an IP address, IP mask, Gateway, IP DNS1 and IP DNS2.

If you have selected **Use Modem - the built-in 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.


Registering your Audio Network Server

If you have selected **Use Modem - your own account**, follow the on-screen instructions to enter your account username, password, and the telephone number of your service provider.

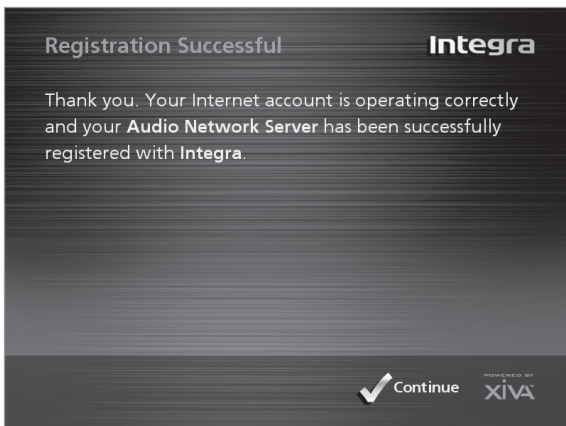
The Audio Network Server will then attempt to connect to the Internet to send your registration details to Integra.




If you are using an Ethernet connection ensure that you have connected your Audio Network Server to the appropriate network device using a shielded Ethernet cable. If you are not using an Ethernet connection check that you have connected your Audio Network Server to a telephone line using the cable supplied.

- Press the **Regstr** action key on the front panel or the  button on the remote control.

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



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

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

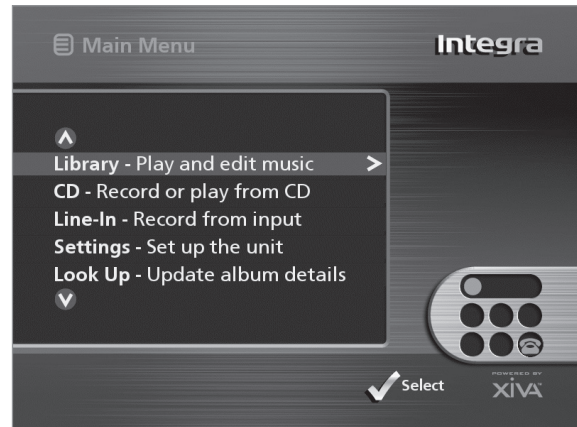
If the Audio Network Server is unable to successfully connect to the Internet you will be given further details on how to connect to the Internet later.

The Audio Network Server 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 **^** or **v** key on the front panel or Audio Network Server 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	Connects to the Internet and registers your Audio Network Server with Integra. This option will only be available if your Audio Network Server has not been registered.
Library	Allows you to select the music you want to play by album, artist, genre, preset 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.
Line-in	Allows you to record music onto the hard disk from the line-in connectors.
Settings	Allows you to configure your Audio Network Server settings.
Look Up	This option allows you to retrieve any missing CD information from the Internet.
Disconnect	Interrupts any on-line processes using the modem connection and releases the telephone line.

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

Recording Music

Your Audio Network Server can make new recordings onto the hard disk either by recording music directly from an audio CD placed in the CD tray or by recording from another piece of equipment (such as a vinyl record player) using the line-in connectors on the back on the unit.

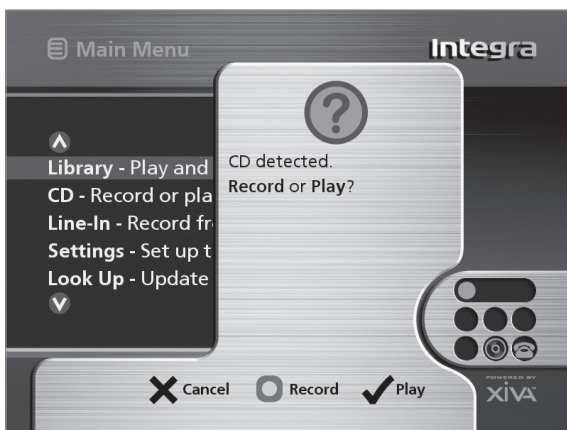
If you are recording directly from the CD tray your Audio Network Server can access the internet, using either a broadband connection (via the Ethernet port) or using the built-in modem, to automatically retrieve information about the CD. This information includes the album name, artist name, track names and music genre from the Gracenote CDDB Music Recognition Service and an album cover illustration from the XiVA on-line service.

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 the recording process.

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:



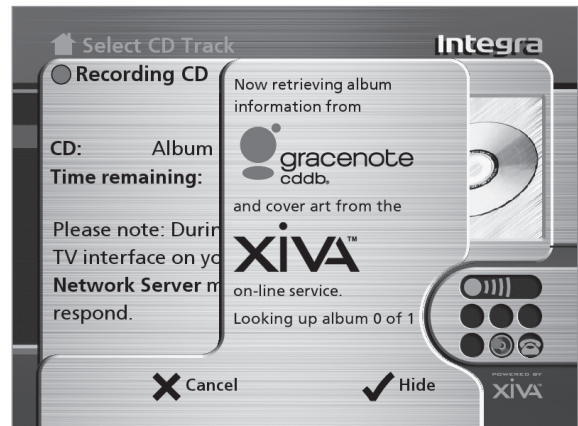
To make an automatic (one-touch) CD recording

- Press the **Auto** key.

An **Auto** recording will automatically look up the track and artist information on the Gracenote CDDB Music Recognition Service and the album cover illustration on the XiVA on-line service, and then record all the tracks on the album.

The quality of the recording is specified in the **Settings** menu (under **Default Recording Quality**). For more information on the settings menu see **Advanced Settings** on page 30.

Once recording has begun your Audio Network Server will connect to the Internet to retrieve the CD information:



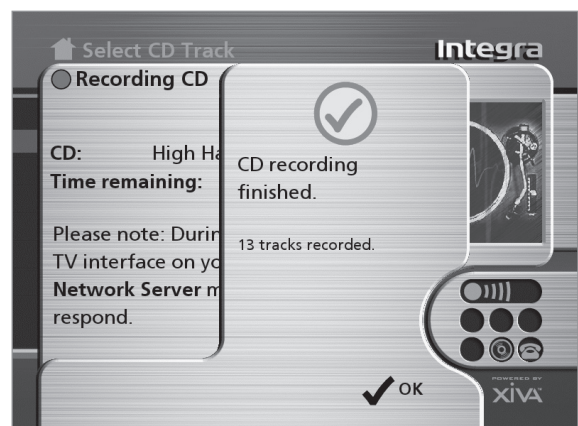
Once the search has been completed you will receive a confirmation to tell you if the CD has been found.

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

The following display shows the approximate progress of the recording:



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



- Press the **Open/Close** button to remove the disc.

Recording Music

To make a custom CD 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 **iCustom** 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.

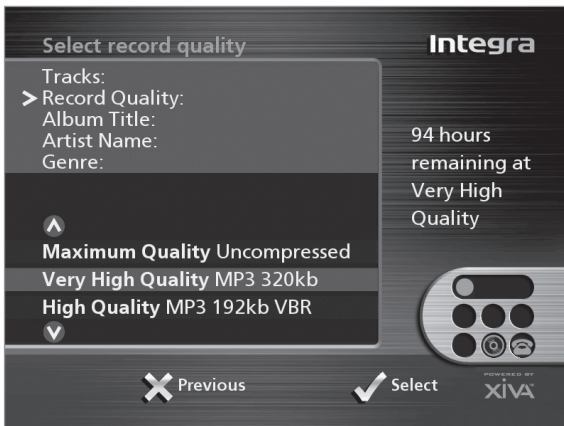
- Press the ✓ **Select** key to unselect or select the highlighted track.
- Press the ▲ or ▼ keys to step between tracks.
- Press the ✕ **None/All** action key to unselect or select all of the tracks respectively.

When you have specified which tracks you want to record:

- Press the **i Next** key.

Record Quality

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



- Use the ▲ or ▼ 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 Audio Network Server 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.

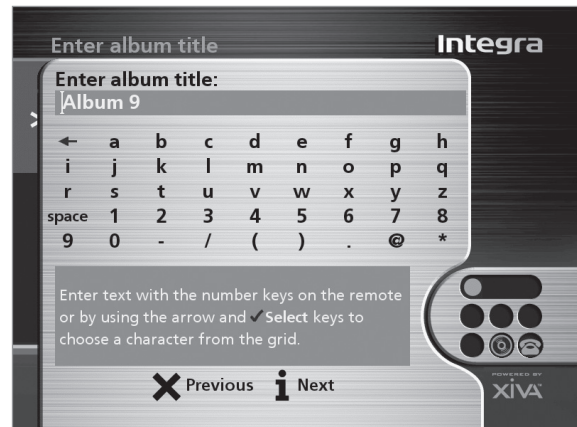
CD information

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 **Look Up** from the **Main 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 Audio Network Server remote control or by using the text **grid** on the front panel.

For more information about entering and editing names see **Entering and editing names** on page 29.

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

- Select a genre using the ▲ and ▼ 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 **iNext** key once each title is complete.
- Once all the entries are complete recording will commence automatically.

Recording Music

If you select **Automatically enter now** your Audio Network Server will attempt to retrieve the correct CD information from both the Gracenote CDDB Service and the XiVA on-line service. 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 Audio Network Server** on page 14.

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 Audio Network Server will use this information to label the recording appropriately.

Once the recording process has finished:

- Press the **Open/Close** button to remove the disc.

If you have selected a recording quality using one of the MP3 compression settings, the compression process will begin once the Audio Network Server is idle.

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 Audio Network Server remote control and select music as normal.

For more information on selecting music for playback see **Playing Music** on page 22.

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.

Recording from an Analog or digital input

Using the line-in connectors on the back of your Audio Network Server you can make recordings from sources such as Minidisc, vinyl record and cassette. Before beginning a new recording make sure that the device you wish to record from is connected to one of the following inputs:

- Digital Optical input
- Digital Coaxial input
- Analog input

For more information on these connectors see the rear panel diagram on page 9.

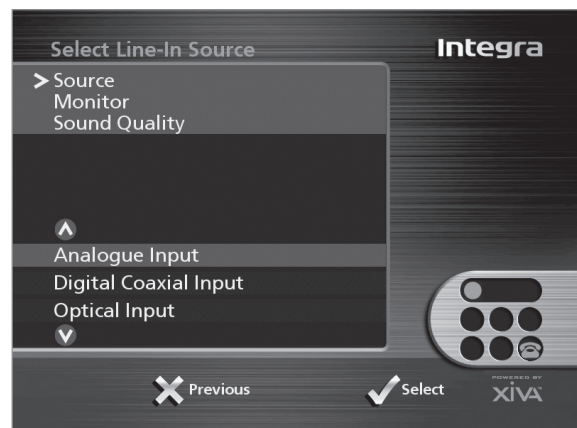
To create a new line-in recording session

- Display the **Main Menu** by pressing the **Menu** action key on your Audio Network Server remote control.
- If necessary use the **^** or **v** keys to highlight **Line-In**.
- Press the **✓ Select** key.

A series of screens allows you to set up the new recording.

Line-in Source

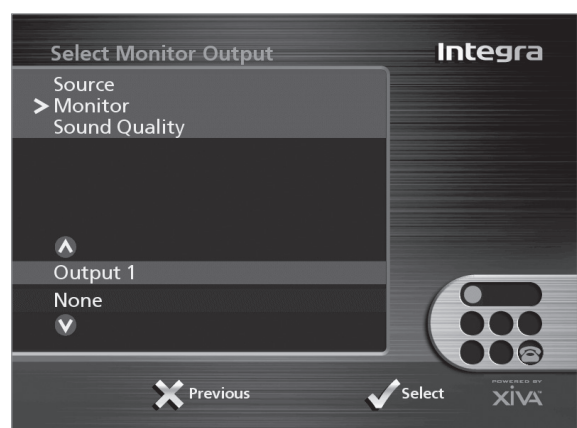
The **Line-in Source** menu lets you specify which input connector to use for the new recording:



- Use the **^** or **v** keys to choose the input your device is connected to.
- Press the **✓ Select** key to confirm your selection.

Monitor Output

The **Monitor Output** menu allows you to select which output you would like to use to listen to the line-in recording:



Recording Music

- Select an output using the **^** or **v** keys.
- Press the **✓Select** key to confirm your selection.

Note: Any music currently playing on this output will continue to play but will no longer be audible while the **Line-In Record** screen is visible. The **None** option allows you to make a line-in recording without interrupting playback on any output.

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.

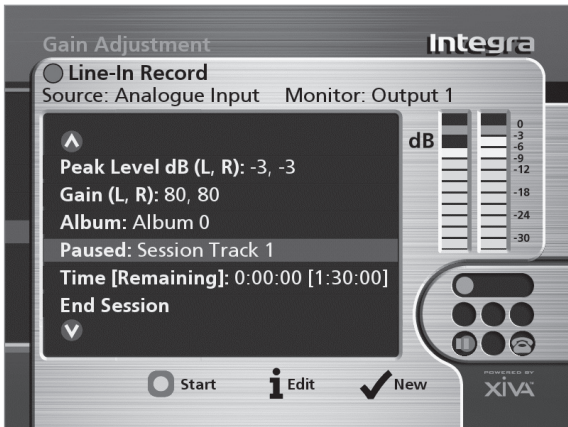
Note: The higher quality options use more space on your Audio Network Server hard disk.

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.

To record from the line-in connectors

Once you have created a new session the **Line-In Record** screen allows you to begin the recording process:



If your **Line-in Source** is the analog input connector, you will need to set the recording **Gain** to an appropriate level. To achieve the best quality recording try to play the loudest passage from the music you are going to record and set the gain such that the loudest peaks are in the yellow region of the signal level meters. The **Peak Level dB** indicator shows the maximum level reached so far.

To adjust the recording gain setting

- Use the **^** or **v** keys to highlight the **Gain (dB)** option and press the **iEdit** action key.
- Use the **^** or **v** keys to highlight the appropriate gain option.

- Use the **<** or **>** keys to adjust the gain setting to ensure that the loudest peaks in volume are in the yellow region of the signal level meters. Press the **iClear** action key at any time to reset the peak level marker.
- Press the **✓Select** action key to confirm your settings and return to the **Line-In Record** screen.

Note: If you have selected either the coaxial or optical digital input as your **line-in source** the **gain** setting may not be altered. The **signal** indicator in this case will show whether a valid digital connection has been made. If the **signal** indicator shows **protected** the current digital source has been copy protected and may not be recorded onto your Audio Network Server using the digital inputs.

To edit the album details

All the recordings made in this line-in recording session will be placed in a new album. This album is automatically assigned a name such as **Album 4, Artist 7**; it will also be placed in the **Unclassifiable** genre. You can edit these details at any stage in the recording session as follows:

- Use the **^** or **v** keys to highlight the **Album** option and press the **iEdit** action key.



To edit the album name and artist name:

- Use the **^** or **v** keys to highlight the item you want to edit and press the **iEdit** action key.
- Edit the album name and artist name using the alphanumeric keys on your Audio Network Server remote control or by using the text **grid** on the front panel.
- Press the **iOK** action key to confirm the new name.

To edit the genre:

- Use the **^** or **v** keys to highlight the **Genre** option and press the **iEdit** action key.
- Select a genre using the **^** or **v** keys.
- Press the **✓Select** key to confirm your choice.

To edit the names of any tracks you have already recorded:

- Use the **^** or **v** keys to highlight the **Edit tracks** option and press the **✓Select** action key.
- Use the **^** or **v** keys to highlight the track name you wish to edit and press the **iEdit** action key.
- Edit the track name using the alphanumeric keys on your Audio Network Server remote control or by using the text **grid** on the front panel.
- Press the **iOK** action key to confirm the new name.

For more information on entering and editing names see called **Entering and editing names** on page 29.

Recording Music

To begin recording a new track

- Press the **Start** action key.

At any time whilst the **Line-In Record** screen is visible press the **Pause** action key to pause the recording. You can resume the recording again by pressing the **Start** action key.

Recording will begin immediately; the track will automatically be named “Session Track 1”.

Each recording session is limited to a maximum duration; the **[Remaining]** indicator shows how much time remains for this session. To change the maximum recording duration:

- Use the **^** or **v** keys to highlight the **Time [Remaining]** option and press the **iEdit** action key.
- Use the **<** or **>** keys to increase or decrease the duration. The amount of recording time available at the current quality setting is displayed above.
- Press the **OK** action key to confirm the new setting.

Note: the maximum recording length for a single track is approximately 3 hours. If this duration is exceeded a new track will be created automatically and recording will continue.

To change the name of the new track

Whilst the recording is in progress change the name of the new track as follows:

- Use the **^** or **v** keys if necessary to highlight the **Recording** option and press the **iEdit** action key.
- Edit the track name using the alphanumeric keys on your Audio Network Server remote or by using the text **grid** on the front panel.
- Press the **iOK** action key.

To record additional tracks

- Use the **^** or **v** keys if necessary to highlight the track name option and press the **New** action key.

A new track named “Session Track 2” will begin recording. The **New** option will be unavailable for approximately 5 seconds after creating a new track.

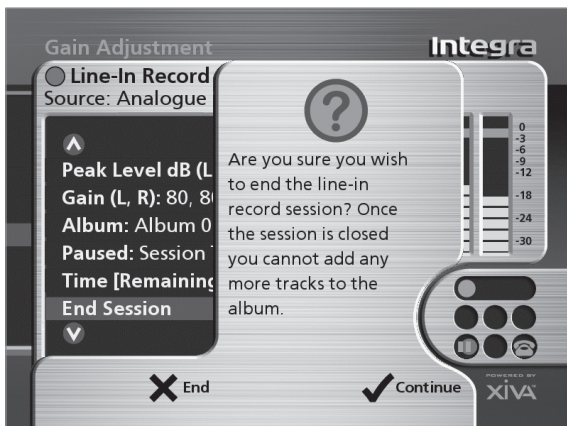
Note: If your line-in recording is currently paused you will need to press the **Start** action key to commence recording.

To end a line-in recording session

Once you have finished adding tracks to the recording:

- Use the **^** or **v** keys to highlight the **End Session** option and press the **Select** action key.

The following prompt is displayed:



- Press the **End** action key to confirm your selection.

Note: once a recording session has ended no further tracks may be added to this album.

Listening to music while recording from a line input

You can play music from your library while a line-in recording session is in progress:

- Press the **Hide** action key to display the **Main Menu**.

Any music currently playing on your line-in **monitor output** will be audible once again. If nothing is currently playing music can be selected from the library as normal.

For more information on selecting music for playback see the following chapter called **Playing Music**.

At any time you can return to see the progress of your line-in recording session by selecting **Line-in** from the **Main Menu**. The **monitor output** selected at the start of the recording session will return to monitoring the line-in connection.

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 Audio Network Server. 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 Audio Network Server remote control.
- If necessary use the **▲** or **▼** 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.
Playlists	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.
Presets	Display a complete list of preset 'stations'.

Alternatively you can display the contents of a category directly by pressing the **Album**, **Artist**, **Genre**, and **Playlist** keys on your Audio Network Server remote control.

To browse the library by album

Either:

- Use the **▲** or **▼** 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 Audio Network Server remote control.

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



- Press the **▲** or **▼** keys to step between albums, or press the appropriate letter on your Audio Network Server remote control to jump directly to that position in the list.

To play the entire album:

- Press the **✓Play** action key to begin playback.

To select a particular track from this album:

- Press the **>Open** key to open the album and display the tracks it contains.
- Use the **▲** or **▼** keys to step between tracks, or press a key on the alphanumeric keypad to jump to that track number.
- Press the **✓Play** action key to play the currently selected track.
- Press the **<** key to return to browsing by album.

To browse the library by artist

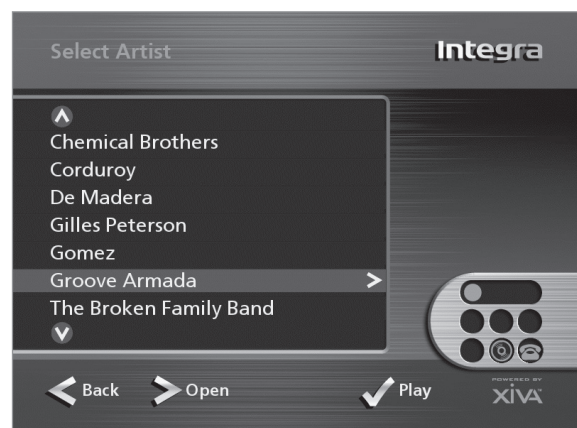
Either:

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

or:

- Press the **Artist** key on your Audio Network Server 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 **▲** or **▼** 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.

Playing Music

To play all albums by the selected artist

- Press the **✓Play** key to begin playback.

To play a particular album by the selected artist

- Press the **>Open** key to display all the available albums by the selected artist.
- Use the **^** or **v** keys to step between albums.

Either:

- Press the **✓Play** action key to play the currently selected album.

or:

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

or:

- Press the **<** key to return to browsing by artist.

To browse the library by genre

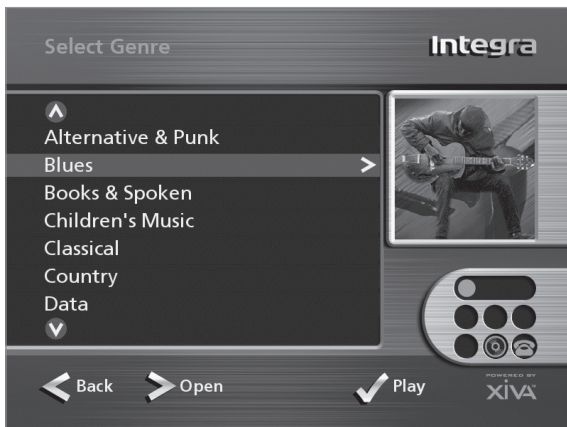
Either:

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

or:

- Press the **Genre** key on your Audio Network Server remote control.

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



- Press the **^** or **v** keys to step between genres.

To play all albums in a selected genre

- Press the **✓Play** key to begin playback.

To play a particular album from the selected genre

- Press the **>Open** key to display all the available albums in the selected genre.
- Use the **^** or **v** keys to step between albums.

Either:

- Press the **✓Play** action key to play the currently selected album.

or:

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

or:

- Press the **<** 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 **Creating a new Playlist** on page 26.

Either:

- Use the **^** or **v** 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 Audio Network Server 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 **v** keys to step between playlists, or press the appropriate letter on your Audio Network Server remote control to jump directly to the item in the list beginning with that letter.
- Press the **✓Play** key to begin playback.

To browse the library by preset

Presets are simple playlists that can be used in the same way as a preset station on your radio tuner; for example, you may have a preset which plays a random selection from your entire music library. Presets can be programmed into a simple multiroom controller system where browsing of the music library is not possible. For more information on programming presets see **Storing a preset** on page 27.

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

Playing Music

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



Note: any preset which currently has no program will be labelled [Empty].

- Press the **▲** or **▼** keys to step between presets, or press the appropriate number on your Audio Network Server remote control to jump directly to that preset number in the list.
- Press the **✓ Play** key to begin playback. Random and repeat playback will automatically be enabled for this selection.

Selecting items directly using your Audio Network Server 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 Audio Network Server 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 or preset by number

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

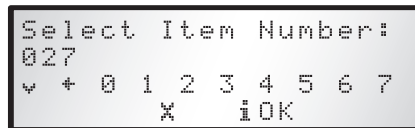
Selecting an album by number

Each album you have recorded onto the hard disk of your Audio Network Server 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 Audio Network Server remote control.

- Press the **ALBUM** button to display the albums in your library.
- 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 **iOK** action key to finish entering the album number.
- Press the **✓ Play** action key once again to begin playing the album.

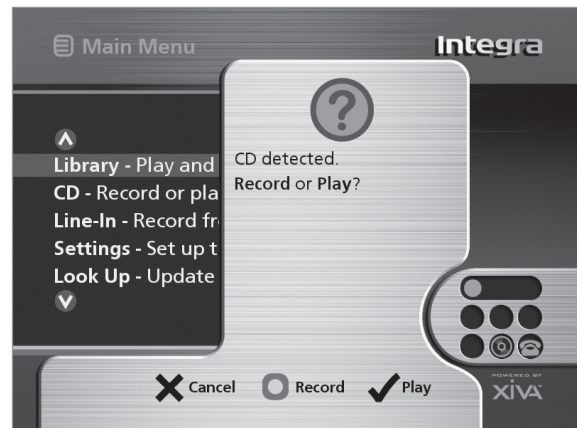
Playing Music from a CD

Your Audio Network Server 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.

The following prompt is automatically displayed:



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

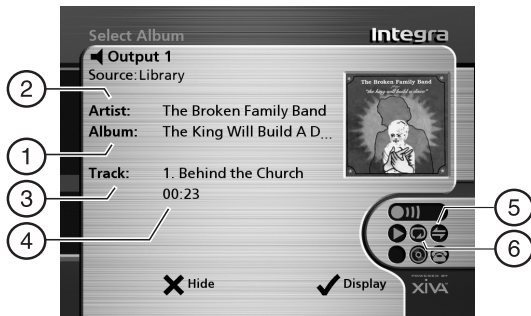
- Press the **✓ Play** action key to begin playing the CD.

Playing Music

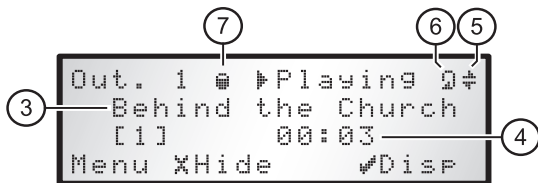
Playback Information

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.

To change the displayed information

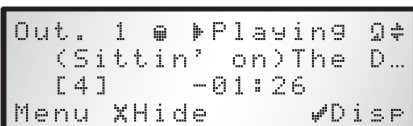
You can choose what information is displayed on the TV screen and front panel display whilst playing;

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

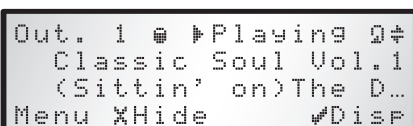
Track name, track number, and elapsed time for the current track:



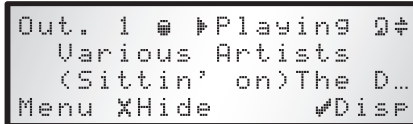
Track name, track number, and time remaining for the current track:



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 **Pause** key on the front panel or your Audio Network Server remote control.

To stop play

- Press the **Stop** key on the front panel or your Audio Network Server remote control.

To resume play

- Press the **Play** key on the front panel or your Audio Network Server remote control.

To skip to the next or previous track

- Press the **Next** or **Previous** key on the front panel or your Audio Network Server 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 **Next** or **Previous** key on the front panel or your Audio Network Server remote control.

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

Random and repeat playback

Your Audio Network Server 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 **Random** key on your Audio Network Server remote control.

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

To repeat the current selection

- Press the **Repeat** key on your Audio Network Server remote control.

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

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

Note: random and repeat mode will both be enabled by default when a preset is selected for playback.

Organizing Your Music Collection

This chapter describes the features built into your Audio Network Server to help you organize the music in your music library, including information about creating playlists of your favourite tracks, programming preset 'stations', deleting albums or tracks you no longer want to store, and naming albums, tracks, and artists.

Playlists

Your Audio Network Server 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.

Creating a new playlist

- Display the **Main Menu** by pressing the **Menu** key on your Audio Network 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 Audio Network Server remote control or using the **grid**.

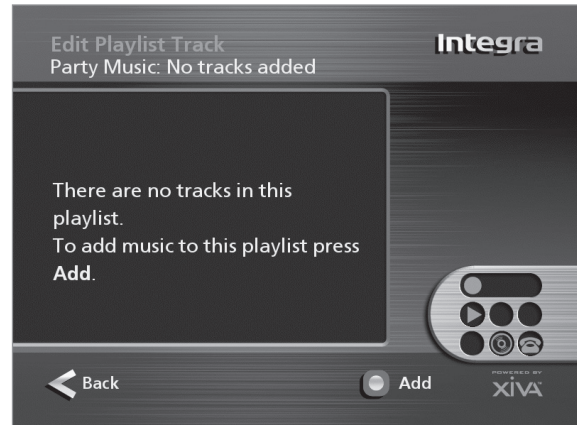
For more information about entering names see **Entering and editing names** on page 29.

- 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** on page 22.

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.

Organizing Your Music Collection

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 **✕ Remove** action key to remove the track.
- Press the **✓ Remove** 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 **✓ Store** key to confirm the new track position.

Presets

Presets are simple playlists that can be used in the same way as a preset station on your radio tuner; for example, you may have a preset which plays a random selection from your entire music library. Although you can select a preset for playback using the TV user interface presets are more commonly used by simple multi-room control systems and remote controls to trigger playback without referring to the TV screen.

Before a preset can be used a selection of music must be assigned to that 'station':

Storing a preset

- Display the **Main Menu** by pressing the **☰ Menu** key on your Audio Network 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 **Presets** option and press the **✓ Select** action key.

The existing presets will be displayed:



If you have not previously stored a preset all the names will be labelled **[Empty]**.

- Use the **^** or **v** keys to highlight the preset you wish to program and press the **i Info** action key.
- The following menu allows you to choose whether you wish to rename the preset or re-program it:



Organizing Your Music Collection

To select the music for a preset:

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

You will be prompted to select an item from the library to store as your preset. This may be a single track, an album, all the tracks by an artist, all the tracks in a genre, a playlist or all the tracks stored on your Audio Network Server. For more information on browsing the music library refer to **Playing Music from the Library** on page 22.

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

- Press the **✓Set** action key to store it as a preset.



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

Note: presets are not automatically updated when new music is recorded onto your Audio Network Server. For example if you have a preset which plays the Blues genre, when a new Blues album is added the preset will not contain those new tracks.

A name for your preset will be chosen automatically according to the music selection you have made. To change the name of your preset:

- Display the **Preset Information** screen using the method described previously.
- Press the **^** or **v** key if necessary to highlight the preset name and press the **i Edit** action key to enter a new name.
- Enter a name for the preset using the alphanumeric keys on your Audio Network Server remote control or using the **grid**.

For more information about entering names see **Entering and editing names** on page 29.

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

Albums

Your Audio Network Server labels the albums, artists and tracks 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 Audio Network Server reads the CD information automatically from the Gracenote CDDB Music Recognition Service. You can edit these names at any stage to suit your own preferences.

To edit album information

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

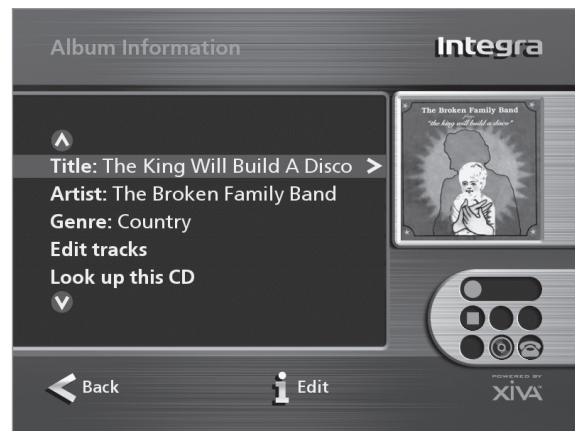
Either:

- 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.
- See the following section **Entering and Editing Names** to enter a new name.

Organizing Your Music Collection

Deleting albums, tracks or playlists

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

- Display the **Main Menu** by pressing the **Menu** key on your Audio Network 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.

Clearing a preset

You can clear the contents of a preset at any time in order to re-program it as follows:

- Display the **Main Menu** by pressing the **Menu** key on your Audio Network 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 **Presets** option and press the **✓Select** action key.
- Highlight the preset you wish to clear and press the **✕Clear** action key.
- Press the **✓Clear** action key to confirm your choice.
- You will receive confirmation once the operation is complete. Press the **✓OK** action key to continue.

Entering and editing names

You can enter a new name or edit an existing name on your Audio Network Server using either of the following methods:

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.

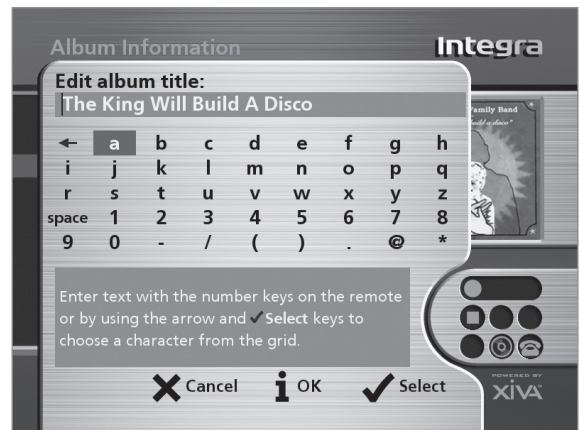
- Press the **DELETE** key on your Audio Network Server remote control to delete letters.
- Press the **CAPS** key on either the front panel or your Audio Network Server remote control to switch between upper-case and lower-case letters.

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 Audio Network Server 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:

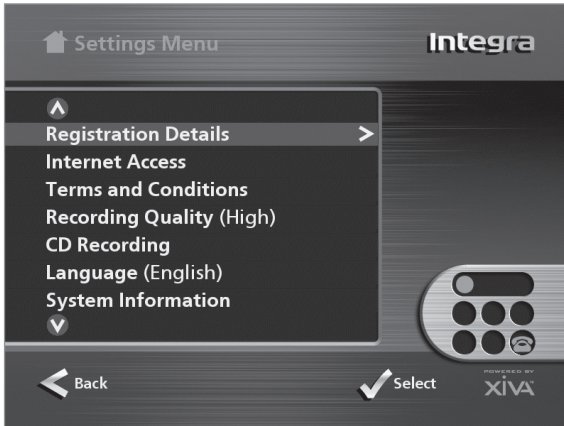
- Press the **iOK** action key.

Advanced Settings

This chapter describes the advanced settings that you can access from your Audio Network Server's **Settings Menu**. Many of these settings were configured automatically for you when you registered your Audio Network Server. The settings should not need to be altered unless you want to change the configuration of your system.

To display the Settings Menu

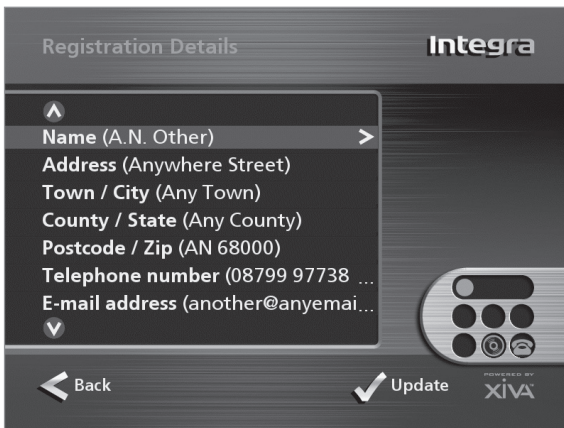
- Display the Main Menu by pressing the  **Menu** key on your Audio Network Server remote control.
- Press the **^** or **v** key to highlight the **Settings** option on the **Main Menu**.
- Press the **✓Select** action key to display the **Settings** menu:



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

Registration Details

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



If you change any of these details you will be given the opportunity to re-transmit your updated registration information.

Internet Access

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



If you chose the **Use Built-in Internet Account** option when registering your Audio Network Server, 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 Integra 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 you should re-register to transmit your new preferences.

Default 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.

Advanced Settings

CD Recording

Allows you to configure options for recording from a CD:



The **Recording Speed** setting allows you to reduce the speed at which audio is extracted from the CD during the recording process. When the **Reject Damaged Tracks** option is set to **off** the maximum recording speed will be increased, however damaged compact discs may produce errors in the recording. Any changes to these settings will take effect the next time a CD is recorded.

Language

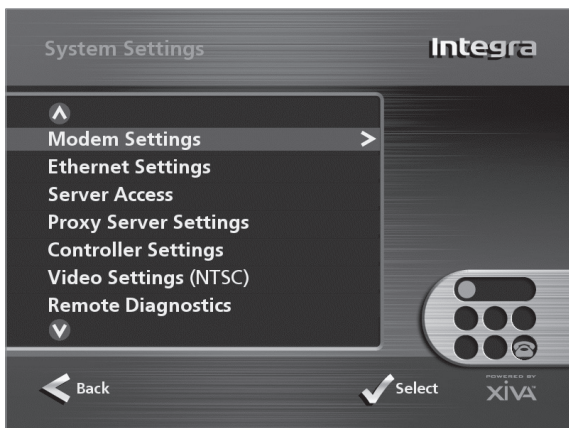
Allows you to select the language for the TV user interface - languages available are English, French, German, Italian, and Spanish.

System Information

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

System Settings

Provides a series of menus to allow you to change the hardware configuration on your Audio Network Server:



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

Option	Description
Modem Settings	Allows you to specify the following settings when connecting to the internet via the built-in modem: number of connection retries, whether to use tone or pulse dialling, and the modem initialisation string.
Ethernet Settings	Allows you to specify how your Audio Network Server obtains an IP address when connected to an Ethernet network. The Mode option allows you to select whether the IP address is set Manually, by a DHCP Server on the network, or by a BOOTP Server. If the Manual option is selected, use the Manual Ethernet Settings option to specify an IP Address, IP Mask and Gateway. If DHCP or BOOTP is selected the IP address, IP Mask and Gateway will be set automatically. Once the Mode option has been set correctly the assigned IP address, IP Mask, Gateway, DNS 1, and DNS 2 will be displayed as well as the MAC address of the unit.
Server Access	Allows you to configure options for accessing the Audio Network Server music collection from a home computer via the Ethernet connection. For more information see Using your Audio Network Server with a Portable Player on page 32.
Proxy Server Settings	Allows you to specify the IP Address and Port Number for internet access via a proxy server if required.
Controller Settings	Specifies the communication speed for the Controller 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 technical support staff.

Output Settings

The volume setting of the Audio Network Server output may be configured as either **variable** or **fixed**. Any changes made to the output settings will only affect the currently selected output (shown on the status icons).

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 **▲** and **⊗ Mute** keys on the Audio Network Server remote control do nothing.

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

Upgrade Unit

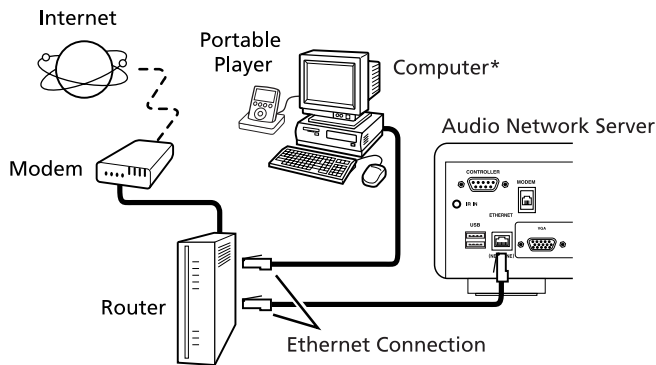
Select this option when supplied with a XiVA software upgrade disk for your Audio Network Server.

Using your Audio Network Server with a Portable Player

The recordings on your Audio Network Server can be transferred to a portable player (for example, an Apple® iPod®) to allow you to listen to your music collection while you are away from home. This chapter describes how to transfer music from your Audio Network Server to the portable player using a personal computer.

Note: in the UK and certain other countries the copying of material protected by copyright law may require permission of the copyright owners.

The illustration below shows a typical home network:



* Macintosh computer running OS X 10.3 or higher or PC running Microsoft Windows 98, Me, 2000, or XP.

See the instruction manual supplied with your computer for more information on configuring network settings for your computer.

In order to access the music files on your Audio Network Server from the computer you must first enable **Server Access** as follows:

- Display the **Main Menu** by pressing the **Menu** key on your Audio Network Server remote control.
- Press the **^** or **v** key to highlight the **Settings** option and press the **✓Select** action key.
- Press the **^** or **v** key to highlight the **System Settings** option and press the **✓Select** action key.
- Press the **^** or **v** key to highlight the **Server Access** option and press the **✓Select** action key.

The following screen will be displayed:



Ensure that the **Workgroup** item indicates the name of your current network workgroup; for most simple home networks **MSHOME** (the default entry) should be correct. If this is not the case, highlight this option using the **^** or **v** keys then press the **i Edit** action key to enter a new name.

If required you may also change the name used to identify your Audio Network Server on the network by editing the **Server Name** option.

- Press the **^** or **v** key to highlight the **Server Access** option and press the **i Edit** action key.
- Use the **^** or **v** keys if necessary to highlight the **Enabled** option and press the **✓Select** action key.

Provided that your Audio Network Server is connected correctly it should now be accessible by browsing the network from your computer.

If you are using a Macintosh computer you can create a new network connection as follows:

- Select **Go** from the Finder menu and click **Connect to Server**.
- Click on the **Browse** button in the **Connect to Server** window.
- Navigate to your Audio Network Server on the network and double-click the appropriate icon.
- If your Audio Network Server does not appear in the browse window return to the Connect to Server window and enter: **smb://<WORKGROUP><AUDIO NETWORK SERVER NAME>** (e.g. **smb://MSHOME;NAS-23_000123**) into the **Server Address** box, then click the **Connect** button. **Note:** both the Workgroup and Audio Network Server Name should be in uppercase.
- In the **SMB Mount** window click the **OK** button.
- In the **SMB/CIFS Filesystem Authentication** window click the **OK** button.

A window showing the contents of the Audio Network Server hard disk will be displayed.

You can now transfer music directly from your Audio Network Server to a portable player. The following two sections describe how to transfer files using two popular media player applications, iTunes® and Windows® Media Player.

Transferring Music to your Portable Player using iTunes

The iTunes Media Player application is specifically designed to simplify the process of synchronising your music collection with an iPod portable player. Support for other devices is limited; you should check that your portable player is compatible before using this application. iTunes version 4.6 or later is required.

The **Library** source in iTunes shows all media files stored on the local hard disk as well as media which has been added from other network drives. You can add the music collection from your Audio Network Server to the **Library** as follows:

- Select the **Preferences** option. This can be found under the **Edit** menu on the Windows edition of iTunes and under the **iTunes** menu on the Macintosh version.
- Select the **Advanced** tab.
- Ensure that the option labelled **Copy files to iTunes Music folder when adding to library** is **unchecked**.
- Click the **OK** button to confirm any changes.
- From the **File** menu select the **Import...** option.
- Select **XML Files** in the **Files of type** options (Windows version only).
- Navigate to the hard disk of your Audio Network Server on the network.

Using your Audio Network Server with a Portable Player

- Double-click on either the **Macintosh_Index.xml** or **Windows_Index.xml** file, depending on the type of computer you are using.

Note: the import process may take some time depending on the number of albums and the speed of your computer. If you have recently added new music or updated the details of any of the albums on your Audio Network Server you may wish to wait for a few minutes before opening this file to ensure that it is up to date.

Once the iTunes **Library** source has been updated with the music from your Audio Network Server you can you can update your iPod as follows:

- Connect your iPod in the normal way.
- Click the **Browse** button in the top right-hand corner of the iTunes window.
- Drag any item from the **Genre, Artist, Album** lists onto the iPod icon in the **Source** area.

The transfer process will begin shortly afterwards.

Updating the iTunes Library

If you have removed music from your Audio Network Server or edited the names of any items in the library you will need to update the iTunes **Library** to remove any broken links. To do this, you should first delete all the Audio Network Server albums from the iTunes library as follows:

- Select the **View Options** item from the **Edit** menu.
- Check the **Grouping** option, then click the **OK** button to confirm your changes.
- In the iTunes **Library** click the new **Grouping** column heading. The tracks located on your Audio Network Server hard disk will be grouped together using the label `<-AUDIO NETWORK SERVER_NAME` (e.g. `<-NAS-23_000123`).
- Click on the first track in the list with this grouping label then, holding down the **Shift** key, click the last track.
- Press the **Delete** key to remove these tracks from the iTunes **Library**.
- Click **Yes** to confirm your choice.

Repeat the import process described above to add back the Audio Network Server information.

Transferring Music to your Portable Player using Windows Media Player

The **XiVA Media Import** plugin for Windows Media Player enables you to update the **Media Library** with the music collection on your Audio Network Server. Contact your local dealer for more details. Windows Media Player version 9 is required.

Once you have the **XiVA Media Import** plugin you can install it on your PC by double-clicking on the **XiVA WMP Plugin Setup** file and following the on-screen instructions.

The albums on your Audio Network Server can then be added as follows:

- From the **Tools** menu highlight the **Plugins** option and click **XiVA Media Import**.
- Navigate the **My Network Places** area to locate the hard disk of your Audio Network Server.
- Double-click on the **Windows_Index.xml** option.

Note: the import process may take some time depending on the number of albums and the speed of your computer. If you have recently added new music or updated the details of any of the albums on your Audio Network Server you may wish to wait for a few minutes before opening this file to ensure that it is up to date.

Once your **Media Library** has been updated with the music from your Audio Network Server you can update your portable player as follows:

- Click the **Copy to CD or Device** option from the Media Player toolbar.
- Select the **Album, Artist, Genre or Playlist** you wish to copy from the **Items to Copy** list.
- Under **Items on Device** select your portable player.
- Click the **Copy** button.

The transfer process will begin shortly afterwards.

Using your Audio Network Server with Net-Tune Network Clients

Net-Tune features

The NAS-2.3 and NAS-2.6 allow you to connect a Network Audio Client such as the NAC-2.3 via an Ethernet connection to enjoy digitally recorded music throughout the home.

Each NAC-2.3 can individually access the Audio Network Server to browse your music collection by album name, artist, genre or custom playlist and listen to both compressed and uncompressed music over the network.

Up to six NAC-2.3 devices can be attached to the Audio Network Server - each simultaneously listening to a different music selection. Music is streamed over the network by Net-Tune - a protocol developed by Onkyo for high speed access to music around the home.

What is Audio Network Server with Net-Tune System Protocol?

The Audio Network Server streams digitally recorded music files over a LAN so that they can be played by the NAC-2.3. One server can stream to multiple NAC-2.3 units. The music streaming service is built on Onkyo's proprietary NTSP protocol, which is an extension to TCP/IP, thereby providing high response times.

Connecting a Network Client to the Audio Network Server

In order to take full advantage of a Network Audio Client such as the NAC-2.3 with an Audio Network Server you will need the following items:

- **Modem** (a device that provides Internet connections via leased lines; e.g., a cable modem, xDSL modem, terminal adapter)

* To have access to the Internet, you typically need to make a contract with an Internet service provider (ISP). Modem requirements differ from ISP to ISP; for detailed information, consult with your ISP or PC retailer.

- **Router (gateway)** (a device that enables multiple PCs or devices to connect to the Internet simultaneously)

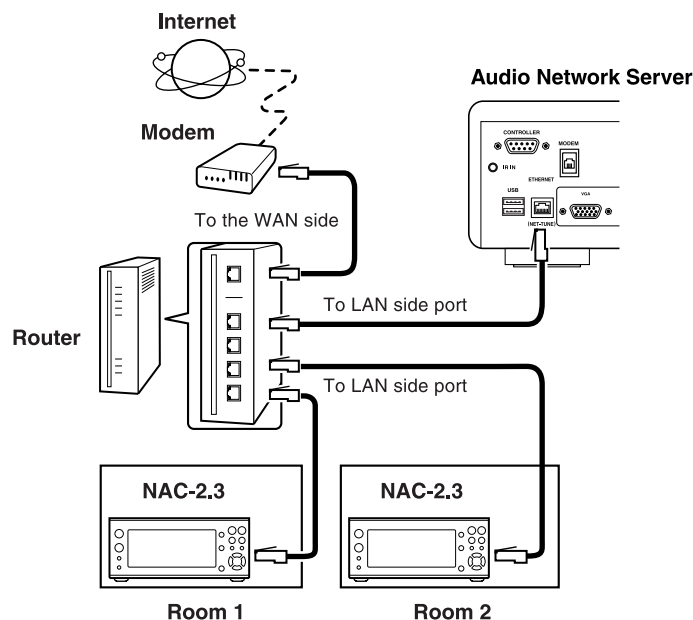
An IP address can be obtained automatically by using the router's DHCP function.

* Some routers have built-in modem functionality. Router requirements differ from ISP to ISP; for detailed information, consult your ISP or PC retailer.

- **Ethernet CAT-5 cable**

- **Minimum Internet Connection Requirements:**

- Broadband Internet Connection
- DHCP (Dynamic Host Configuration Protocol) based network (requires a DHCP-enabled router)
- 100Base-TX switch built-in broadband router (recommended)



Using your Audio Network Server with Net-Tune Network Clients

Ethernet settings

If your broadband router has a DHCP function you should not need to adjust your Ethernet settings as they will be configured automatically for you.

Using the Audio Network Server without a DHCP Server requires some knowledge of configuring networks. See a network specialist for further information.

To display the Ethernet Settings menu

- Display the Main Menu by pressing **Menu** the key on your Audio Network Server 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.
- Press the **^** or **v** key to highlight the **System Settings** option on the **Settings** menu.
- Press the **✓ Select** action key to display the **Ethernet Settings** menu.

The **Mode** option indicates how your Audio Network Server obtains an IP address. To configure your unit with a manual IP address:

- Press the **^** or **v** key to highlight the **Manual Ethernet Settings** option on the **Ethernet Settings** menu.
- Press the **✓ Select** action key to display the **Ethernet Settings** menu.

The following table summarizes the Ethernet settings available:

Option	Description
IP Address	Enter the number using the alphanumeric keys on the remote controller. Specify the IP address within the following range: CLASS A: 10.0.0.0 to 10.255.255.255 CLASS B: 172.16.0.0 to 172.31.255.255 CLASS C: 192.168.0.0 to 192.168.255.255 Most commonly available routers use the Class C IP address range - you must use this range in order to use the Net-tune system.
IP Mask	Enter the IP Mask using the alphanumeric keys on the remote control.
Gateway	Enter the Gateway using the alphanumeric keys on the remote control.
IP DNS1	Enter the IP DNS1 using the alphanumeric keys on the remote control.
IP DNS2	Enter the IP DNS2 using the alphanumeric keys on the remote control.

Using Your Audio Network Server in a Multiroom System (NAS-2.6 only)

Your NAS-2.6 is capable of playing different music in several rooms simultaneously. This chapter explains how the Audio Network Server can be integrated into a multiroom environment and how users in different rooms can access music from the library.

Basic Configuration

When the Audio Network Server is not part of a larger multiroom control system you can access the music library from remote rooms by displaying the TV user interface in the room where you are located. The TV display is able to automatically switch to controlling the output appropriate to your location by configuring the Audio Network Server remote control with a *default output*. More information about configuring your remote is given in the section below.

The diagram below shows the connections required in a basic multiroom configuration:

- **Video Out** is connected to an RF Video distribution system to allow the TV user interface to be viewed on all televisions around the home.
- Infrared remote control information is received at a separate receiver eye placed in each room - information from this device is then transmitted via the RF Video distribution system to the **IR Receiver** connection.
- **Analogue Out 1, 2, 3 & 4** are each connected to the stereo input of an amplifier.

Multiroom Remote Control Use - TV Interface

Your Audio Network Server remote control can be configured so that every button press indicates to the system which output is to be controlled. This means that whenever infrared is received by the Audio Network Server the TV display will automatically switch to controlling the appropriate output.

To configure the remote with a default output

- 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.

- Enter the 3 digit code corresponding to the output you would like to control (output 1: **001**, output 2: **002**, output 3: **003**, output 4: **004**). For example, to set output 2 as your default output press:

0, 0, 2

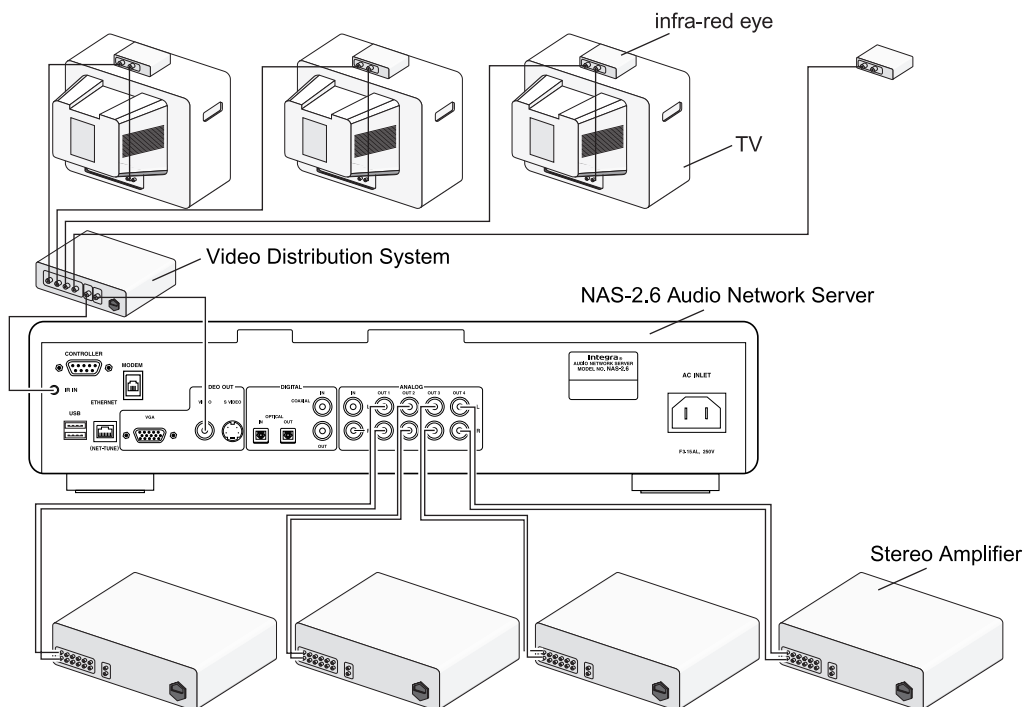
- Press the **HDD Audio** button again.

The **HDD Audio** button will blink twice to indicate that the configuration has been accepted. If the **HDD Audio** button does not blink twice begin the process again, taking care to enter the number correctly.

If the Audio Network Server is switched on during the configuration process the **Enter Standby?** prompt will appear once configuration is complete; pressing any navigation key on the remote should now cause the Audio Network Server to switch to the correct output. In the example above the status icons will display the following:



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



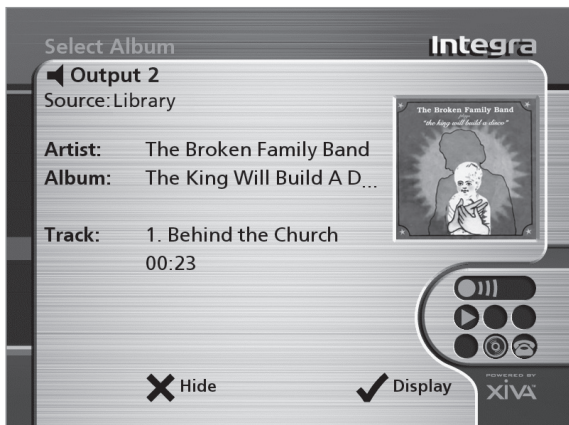
Using Your Audio Network Server in a Multiroom System

To change output using the remote control

The **Output** button on the Audio Network Server remote control allows you to display information about the music you are currently listening to. It can also be used to select another output to control as follows:

- Press the **Output** button on the Audio Network Server remote control.

The following screen is displayed:



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

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

In the previous example the status icons would now show:



Any subsequent press on this remote will now control output 3.

Press the **Default o/p** button at any stage to return to controlling your default output. This button will also automatically display the **Library** menu.

Multiroom Remote Control Use - Direct Media Select

The basic configuration shown above shows one room which does not have access to a television for displaying the TV user interface. In this instance the Audio Network Server remote control may be used in **Direct Media Select** mode.

This mode may be used to select music from the library and control playback (e.g. play, pause, stop etc.) using simple infrared commands with no effect on the TV user interface. To set your Audio Network Server remote control in Direct Media Select mode follow the instructions in the previous **To configure the remote with a default output** section selecting a Direct Media Select output from the settings below:

Direct Media - o/p 1	101
Direct Media - o/p 2	102
Direct Media - o/p 3	103
Direct Media - o/p 4	104

To select music from the library using Direct Media Select mode

An album, artist, genre or playlist may be selected for playback using a “sequence” number. The following examples show how to select music using this method:

Example 1: selecting an album by the number assigned to it when it was recorded onto the unit:

Album, 5 will play album number five.

Example 2: selecting an artist by its location in an alphabetical list:

Artist, 7, 7 will play all the tracks by artist number seventy-seven.

Example 3: selecting a genre by its location in an alphabetical list:

Genre, 2, 2 will select the 22nd genre (Rock) for playback.

Example 4: selecting a playlist by the number assigned to it when it was created on the unit:

Playlist, 8 will select playlist number eight.

The simple commands used to select your music without reference to the TV User Interface may also be used by other “learning” remote controls such as the Philips Pronto, other compatible remote controls, and simple multiroom control systems. The **presets** area of your library is ideal for an application such as this, allowing you to select from your current favourites at the touch of a button.

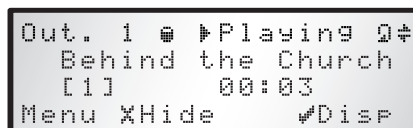
A complete reference guide to programming these controls is available from your local dealer.

Setting the output controlled from the front panel

You can set which output is controlled by the front panel controls as follows:

- Press the **Output** button on the Audio Network Server front panel.

The following screen is displayed:



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

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

The next time a key is pressed on the front panel the user interface will automatically switch to controlling this output.

Multiroom control systems

Your Audio Network Server 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 Audio Network Server functions remotely.

For information on the **XiVA-Link** protocol as well as the latest information on supported systems please contact your local dealer.

Getting Help

Your Audio Network Server has been designed to provide years of trouble-free operation. If, however, you need technical assistance above and beyond what is covered in this user guide, we have established the following methods for continued support:

Before contacting technical service, try the following troubleshooting methods:

The front panel display does not light

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

The system seems to be playing but no sound is heard

- Are 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 Audio Network Server currently playing on (this is displayed on the TV screen)? Is this the output you have connected to the amplifier?
- Switch the unit to off mode, disconnect the power supply and restart the unit.

The Audio Network Server 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?

Remote control operation is not possible

- Is the remote control unit's transmitter pointed correctly at the remote sensor on the front of the Audio Network Server?
- 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 Audio Network Server'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 copy-controlled CDs may not conform to official CD standards. They are special discs and may not play on the Audio Network Server.

Some tracks of the CD cannot be recorded

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

The disc tray does not come out though you have pressed the Open/Close button

- The CD tray may not open by pressing the open/close button on the front panel if an error occurs with the CD inside it. In this case, insert the safety pin into the small hole at the lower right of the tray, and then push the pin carefully to open the tray.

Specifications

General

System	Hard Disk Audio Server
Power requirements	AC 100-240V ~50Hz/60Hz
Power Consumption	44W Max
Weight	18.7lbs (8.5Kg) Max
Dimensions	17-3/16" x 4" x 14-7/16" 437mm x 101mm x 367mm
Operating temperature	10-40°C
Operating humidity	10-90%RH(non-condensing)

Video Outputs

• S-Video Output	
Output level	1V _{P-P} /75W
Connector	S-VIDEO jack
• Composite video output	
Output level	1V _{P-P} /75W
Connector	RCA jack
• VGA output	
Output level	0.75V _{P-P} /75W
Connector	15 pin D-type F
Output resolution	800x600

Audio outputs

• Analog outputs (NAS-2.3 - 1 output, NAS-2.6 - 4 outputs)	
Output level	2V _{RMS}
Output impedance	600Ω
Connector	RCA jack
• Digital outputs	
Optical output connector	Toslink
Coaxial output level	500mV _{P-P} /75Ω
Coaxial output connector	RCA jack

Audio inputs

• Analog inputs	
Maximum input level	2V _{RMS}
Input impedance	10kΩ
Connector	RCA Jack
• Digital inputs	
SRC supported frequency	32kHz, 44.1kHz, 48kHz
Maximum input level	500mV _{P-P} /75Ω
Coaxial input connector	RCA Jack
Optical input connector	Toslink

Analog audio characteristics (typical)

Frequency response	20Hz to 20kHz ± 0.5dB
S/N ratio (@1KHz)	100dB (A weight)
Dynamic range	better than 96dB
Total harmonic distortion (@1kHz)	0.003%
Channel separation (@1KHz)	110dB

Communications

• Modem	
Connector	RJ11 (56kbit/s)
• Ethernet	
Connector	RJ45 (10 Base T/100 Base T)
• Controller	
Connector	9 pin D-type M
• IR Input	
Maximum input level	5V
Connector	3.5mm jack
• USB (2 connectors)	
Connector	Type A USB socket

Note:

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

INDEX

A

ACCESSORIES 5
ACTION BUTTONS 13

- Cancel 11
- Home 11
- Info 11
- Menu 11
- Rec 8
- Select 11

ALBUM BUTTON 11, 22

ALBUMS, PLAYING 22

ALPHANUMERIC KEYPAD 29

ANALOG INPUT CONNECTION 10

ANALOG OUTPUT CONNECTION 10, 12

ARTIST BUTTON 22

ARTISTS, PLAYING 22

AUTO RECORDING 17

B

BROWSING

- Albums 22
- Artists 22
- Genres 23
- Playlists 23

C

CANCEL BUTTON 11

CLEARING PRESETS 29

COMPOSITE TV CONNECTION 12

CONNECTIONS 9, 12

CONTROLLER CONNECTION 9, 31, 37

COVER ART ILLUSTRATION 19

CUSTOM RECORDING 18

D

DEFAULT O/P BUTTON 10

DELETING

- Albums 29
- Playlists 29
- Tracks 29

DIGITAL COAXIAL IN CONNECTION 10

DIGITAL COAXIAL OUT CONNECTION 10

DIGITAL OPTICAL IN CONNECTION 9

DIGITAL OPTICAL OUT CONNECTION 9

DISPLAY

- Front panel 8, 13
- TV 13

E

EDITING

- Albums 28
- Artists 28
- Playlists 27
- Tracks 28

EDITING NAMES 29

- Alphanumeric keypad 15, 29
- Grid 15, 29

ENTER TEXT 15, 29

ETHERNET CONNECTION 9, 31

F

FRONT PANEL 8

- Controls 8
- Display 8

G

GENRE BUTTON 23

GENRES, PLAYING 23

GRID 15, 29

H

HDD AUDIO BUTTON 10

HOME BUTTON 11

I

INFO BUTTON 11

INTERNET CONNECTION 15, 30

IPOD COMPATIBILITY 32, 33

IR RECEIVER CONNECTION 9

L

LANGUAGE 31

LINE SOURCE 19

LINE-IN RECORDING 19

LOOK UP 16

M

MAIN MENU 16

MAINS CONNECTION 10, 12

MENU BUTTON 11

MODEM CONNECTION 9, 12, 31

MONITOR OUTPUT 19

MP3 PLAYERS 32, 33

MULTIROOM 36, 37

- Remote control 36

N

NAVIGATION BUTTONS 8, 11

O

OFF MODE 12

OPEN/CLOSE BUTTON 8

OUTPUT 37

OUTPUT BUTTON 11, 37

OUTPUT SCREEN 25, 37

OUTPUT SETTINGS 31

P

PAUSE BUTTON 8, 11

PLAY BUTTON 11

PLAYING MUSIC

- Browse Albums 22
- Browse Artists 22
- Browse Genres 23
- Browse Playlists 23
- Browse Presets 23
- From a CD 24
- From the library 22
- Select a track by number 24
- Select a track from an album 22
- Select album by number 24
- Select by letter 24

PLAYLIST BUTTON 23

PLAYLISTS

- Adding items 26, 27
- Changing item positions 27
- Creating 26
- Editing 27
- Removing items 27

PLAYLISTS, PLAYING 23

PORTABLE PLAYERS 32, 33

PRESETS

- Clearing 29
- Playing 23
- Selecting music 28
- Storing 27

R

RANDOM 11, 14, 25

REAR PANEL 9

- Connections 9, 12

REC BUTTON 11

RECORDING FORMATS 30

RECORDING MUSIC 17

- Auto record 17
- Checking progress 19
- Custom record 18
- Line-in 19

REGISTERING 14, 30

REMOTE CONTROL

- Album 11
- Amp 11
- Cancel 11
- Default o/p 10, 37
- Disc/Ch. 11
- HDD audio 10
- Home 11
- Info 11
- Menu 11
- Multiroom 14, 36
- Mute 11
- Output 11
- Pause 11
- Play 11
- Random (Delete) 11
- Record 11
- Repeat (Caps) 11
- Select 11
- Skip back 11
- Skip forward 11
- Standby 10
- Stop 11
- TV 10
- Volume 11

REPEAT 14, 25

REPEAT BUTTON 11

S

S-VIDEO OUT CONNECTION 9

SELECT BUTTON 11

SETTINGS 30

SKIPBACK 8, 11

SKIPFORWARD 8, 11

SPECIFICATIONS 38

STANDBY BUTTON 8, 10, 12

STANDBY MODE 12

STATUS ICONS 14

STOP BUTTON 11

STORING PRESETS 27

SWITCH OFF 12, 13

SWITCH ON FROM STANDBY 13

SWITCH TO STANDBY 12, 13

SYSTEM INFORMATION 31

SYSTEM SETTINGS 31

T

TRACK LISTINGS 18

- Automatically enter now 19
- CD text 19
- Enter information later 18
- Manually enter now 18

TRACKS, PLAYING 22

TRANSPORT BUTTONS

- Pause 8, 25
- Play 25
- Seek 25
- Skip back 8, 25
- Skip forward 8, 25
- Stop 8, 25

TV COMPOSITE CONNECTION 9

TV DISPLAY 13

TV S-VIDEO CONNECTION 9

U

USB CONNECTION 9

V

VGA CONNECTION 9

VIDEO OUT CONNECTION 9, 36

VOLUME CONTROL 11, 31

X

XIVA 4

XIVA-LINK 9

Integra Division of
ONKYO U.S.A. CORPORATION
18 Park Way, Upper Saddle River, N.J. 07458, U.S.A.
Tel: 201-785-2600 Fax: 201-785-2650 <http://www.integrahometheater.com>

Integra Division of
ONKYO CORPORATION
Sales & Product Planning Div. : 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN
Tel: 072-831-8023 Fax: 072-831-8124

SN29344055

© Copyright 2005 ONKYO Corporation Japan. All rights reserved.

Printed in UK
0503-1