# xantech

# XMUSIC<sup>W+</sup>

# AUDIO SERVER

# USER GUIDE

xantech  XMUSIC<sup>W+</sup> AUDIO SERVER

OPEN/CLOSE

MENU

ON-LINE

STANDBY

POWERED BY
XiVA
XiVA

COMPACT
disc
DIGITAL AUDIO

gracenote.

POWERED BY

XiVA™

### 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™.

# NEW FEATURES

- **Runs on Windows XPe Embedded OS**

- **Easier network connectivity**

- **Drag and Drop of Files across network (views XMUSICW+ as a network drive)**

- **Enhanced iPOD Interface that allows use of iTunes to view and transfer contents to iPOD of music stored on XMUSICW+**

- **Online Upgrades**

- **WMA File support**

- **New easy to use PC and MAC interface, backup and restore, file import and export, and streaming of music.**

- **Web control page for controlling XMUSICW+ via a networked PC or HH device through standard Internet Browser.**

- **Rapid Play-list creation (mark songs on the fly)**

- **Browse collection via Album Cover Artwork**

## INSTALLER NOTES

If you are installing a Xantech Audio Server for the first time you may wish to take notice of the following items to assist with the configuration process:

- Your Audio Server is configured by default for use with an NTSC television. If you are using a PAL television the Audio Server's TV user interface may not display correctly. For information about configuring this setting, see page 30.

- The Audio Server is equipped with the ability to go online to search for, and download, available software updates. It is strongly recommended that you perform an online update once the unit is installed. For more information see page 28.

## AUTOMATIC SHUTDOWN

This product contains sensors that continually monitor its operating temperature. Should the temperature exceed the product's maximum safe operating temperature then an automatic shutdown will be initiated. Notification of the shutdown will be displayed on the TV user interface with a countdown before it is commenced.

Automatic shutdown is necessary to help prevent component damage through overheating. To prevent automatic shutdown, ensure that the ambient temperature surrounding the product does not exceed 40°C. This can be achieved by ensuring the product's three ventilation grills are not obstructed and, where the product is installed in an enclosure, there is plenty of ventilation for air flow. The current operating temperature can be viewed in the **System Information** menu in **Settings**.

# CONTENTS

# PRECAUTIONS

## GENERAL PRECAUTIONS

When installing the equipment ensure that:

- it is not moved whilst in operation.
- 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.
- it is not installed vertically or tilted.

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 mains supply.

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### 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 move whilst the product is running. Movement can result in irrecoverable data loss and damage to the hard disk. Allow at least 30 seconds after shutdown before moving to allow the hard disk to spin down.

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 three ventilation holes with any items such as tablecloths, newspapers, curtains, etc. To avoid overheating do not position the Audio Server near or above 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.

At least 2.5cm clearance is required on all sides to allow air to circulate in and around the product.

Do not splash or spill water on the unit. Do not place objects filled with liquid (such as vases) on the unit.

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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 Xantech. 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 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 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.

## MAINS PRECAUTIONS

Your Audio Server complies with the household power and safety requirements in your area.

### IMPORTANT: (for UK version only)

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

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

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

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

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

### How to connect a plug

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

1. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
3. The GREEN/YELLOW-GREEN wire must be connected to the terminal which is marked by the letter "E" or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

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

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### COPYRIGHT NOTICE

This equipment must not be used for unauthorized 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.

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### 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 ⏻ 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.

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# 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 followed.

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, stores, or other apparatus (including amplifiers) that produce heat.

Example of Antenna Grounding as per National Electrical Code ANSI/NFPA 70

FIG. A

ANTENNA LEAD IN WIRE

GROUND CLAMP

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

ELECTRIC SERVICE EQUIPMENT

GROUNDING CONDUCTORS (NEC SECTION 810-21)

GROUND CLAMPS

NEC - NATIONAL ELECTRICAL CODE

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

## CAUTION

RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER

ATTENTION
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR

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.

# IMPORTANT SAFETY NOTICES

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

## U.S. MODEL

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.

## CANADIAN MODEL

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

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

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

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

## EUROPEAN MODEL

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

CE

**CAUTION:**

```
CLASS 1
LASER PRODUCT
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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."

Use the correct power cord for your country:

UK
240V-50Hz

EUR
230V - 50HZ

AUS
230V - 50HZ

USA
110V - 60Hz
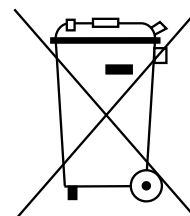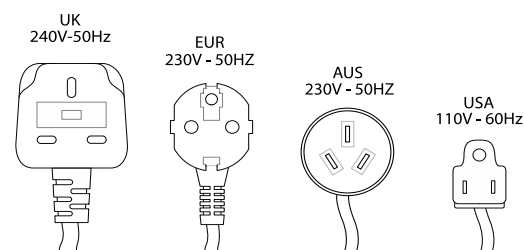
Waste electrical products must not be disposed of with household waste.  This equipment should be taken to your local recycling centre for safe treatment.

Les produits électriques usagés ne doivent en aucun cas être jetés avec les ordures ménagères.  Cet appareil doit être apporté à la déchetterie pour subir un traitement adapté.

Elektrische Geräte dürfen nicht mit dem Hausmüll entsorgt werden. Wenden Sie sich für eine umweltgerechte Entsorgung dieser Geräte an Ihren örtlichen Entsorgungsbetrieb.

I dispositivi elettrici non devono essere gettati insieme ai rifiuti domestici. Tali apparecchiature devono essere consegnate al centro di riciclaggio locale per il corretto smaltimento.

Los dispositivos electrónicos no deben desecharse junto con los residuos domésticos. Este tipo de aparatos debe llevarse al centro de reciclaje más cercano para su adecuado tratamiento.

# QUICK START GUIDE

### FRONT PANEL

The following controls are available on the front panel of your Audio Server.

1.  **MENU button**: Press this button to display the main front panel functions screen on the LCD display of your Audio Server.

2.  **Front panel action buttons**: These four buttons have assignable functions as indicated by the labels at the bottom of the LCD display.  For example, in the display opposite, the **Setup** action button will display the **Set Up** options.

3.  **Navigation buttons**: Move up, down, left and right through the front panel menu system.  The button in the centre is used to select items.

4.  **Transport buttons**: Control the playback of music on the currently selected audio output.
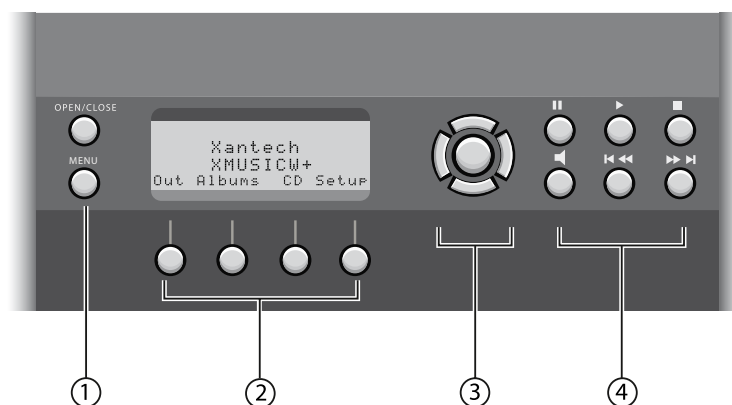


Fig. A - Front Panel Display

### REMOTE CONTROL

Your Audio Server remote control is used to control the television user interface.

1.  **Menu key**: Displays the **Main Menu** on the television user interface.

2.  **Alphanumeric keypad**: Use these keys to enter text and numbers where appropriate.

3.  **Navigation keys**: Move up, down, left and right through the television user interface.  The ✔**Select** button in the centre is used to select items.

4.  **Transport keys**: Control the playback of music on the currently selected audio output.  The ◀**Output** key is used to change the currently selected audio output.

5.  **Library key**: Displays the main **Library** screen on the television user interface.
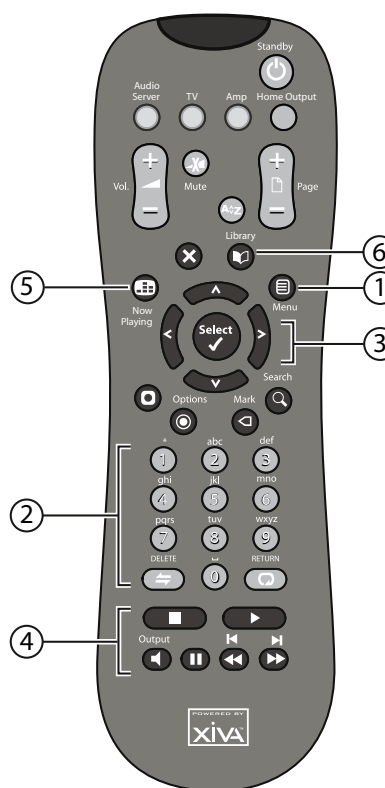
### RECORDING FROM A CD

*   Press the **OPEN/CLOSE** button on the front panel to open the CD tray.

*   Place a CD in the tray.

*   Press the **OPEN/CLOSE** button again to close the CD tray.

Where an Internet connection is present, your Audio Server will automatically use the Gracenote Music Recognition Service to obtain information about the CD.

Using the television user interface:

*   Press the ▤**Menu** key on your Audio Server remote control to display the **Main Menu**.

*   Use the ∧ and ∨ keys to highlight the **CD Tray** option and press the ✔**Select** key**.**

*   Press the ◙ **Record** key to begin the recording process.

From the list that appears use the ∧ and ∨ keys to choose a recording quality and press the ✔**Start** key.

**Note**: You can listen to music in your **Library** while a CD is being recorded.

**Note**: It is also possible to record a CD using the front panel interface, refer to page 27 for details.



Fig. B - Remote Control
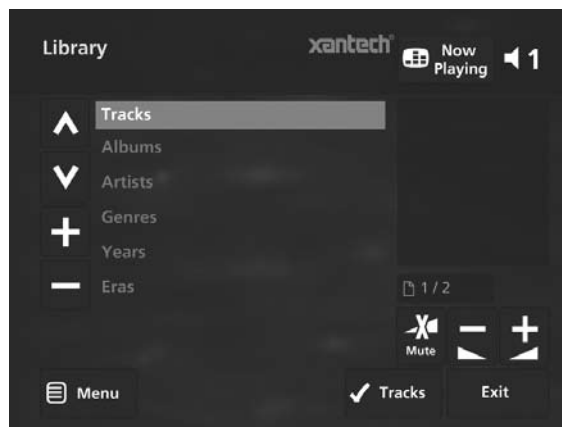


Fig. C - TV User Interface

## PLAYING MUSIC

- Display the **Library** by pressing the ⊌**Library** key on the remote control.

The **Library** menu allows you to choose how you want to browse your music collection. You can browse by track, album, cover, artist, genre, year, era, playlist or preset.

- Press the ∧ and ∨ 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 ∨ keys to highlight the item you would like to play.
- Press the ❯ key to view the contents of the selected item.
- Press the ✔**Play** key to begin playback.

**To stop play**

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

**To pause play**

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

**To skip to the next or previous track**

- Press the ❙◀ or ▶❙ key on the front panel or your Audio Server remote control.

**To seek within a track**

- Hold down the ◀◀ or ▶▶ key on the front panel or your Audio Server remote control.

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

## ENTERING TEXT

When text is editable using the Audio Server remote control, the text entry screen will be displayed:



## To enter text using the alphanumeric keypad

- Use the ❮ and ❯ 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 Server remote control to delete characters.
- Press the ▯ **Page +/-** key to toggle the character set and switch between upper-case and lower-case letters.

## CONNECTING TO THE INTERNET

- Press the ▤**Menu** key on your Audio Server remote control.
- Use the ∧ and ∨ keys to highlight the **Set Up** option and press the ✔**Select** key.
- Use the ∧ and ∨ keys again to highlight **Settings** and press the ✔**Select** key.
- Choose the **Connection Settings** option and press ✔**Select**.

The **Connection Settings** menu is displayed:
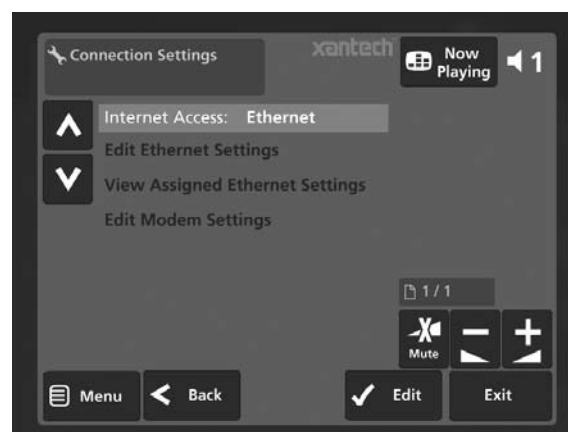


- Select between **Ethernet** and **Modem** as the **Internet Access** method.

### Connecting via Ethernet

- Use the ∧ and ∨ keys to highlight **Edit Ethernet Settings** and press the ✔**Select** key.

If you are using a broadband router or connecting via a home network with DHCP enabled, select **DHCP** as the **Mode**. Otherwise select **Static** and enter your Ethernet details manually in the **IP Address, Subnet Mask, Gateway** and **DNS** fields.

**Note**: When making changes to the **Static Ethernet Settings** it may be necessary to switch your Audio Server off and then on again in order for the changes to take effect.

### Connecting via modem

- Use the ∧ and ∨ keys to highlight the **Edit Modem Settings** option and press the ✔**Select** key.

Enter your ISP details in the **Username, Password** and **Telephone No.** fields.

# INTRODUCTION

Congratulations on purchasing your Audio Server from Xantech. The Audio Server is a revolutionary way of filling your home with music.

Your Audio Server stores and catalogues your music collection, allowing you to select any album or track at the press of a button.  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 Music Recognition Service as well as album cover art illustration from the XiVA on-line service. Your Audio Server also lets you organize your music collection and create selections for different occasions to suit your mood.

### Incredible capacity

Your Audio Server is a hard disk based audio system which can store thousands of hours of music, all with the convenience of instant access.

### 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 Server records the CDs from your music collection at high speed.  It then automatically connects to the Gracenote 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 Server allows you to compile personal playlists and then automatically play tracks from the playlist you have selected.  Playlists let you customize your Audio 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 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.

## SPECIFICATIONS

### General

- System................................. hard disk Audio Server
- Power Requirements...... AC 100-240V ~50Hz/60Hz
- Power Consumption................................. 60W Max
- Weight...................................................... 8.5Kg Max
- Dimensions... 101mm(H) x 437mm(W) x 367mm(D)
- Ambient operating temperature................ 10-40°C
- Operating humidity... 10-90% RH (non-condensing)

### Video Outputs

#### S-Video Output

- Output level......................................... 1Vp-p/75Ω
- Connector........................................... S-VIDEO jack

#### Composite video output

- Output level......................................... 1Vp-p/75Ω
- Connector..................................................... RCA jack

#### VGA output

- Output level...................................... 0.75Vp-p/75Ω
- Connector......................................... 15 pin D-type F
- Output resolution........................................ 800x600

### Audio Outputs

#### Analog outputs (Up to 4 pairs of outputs)

- Output level............................................... 2V RMS
- Output impedance......................................... 600Ω
- Connector..................................................... RCA jack

#### Digital outputs

- Optical output connector............................. Toslink
- Coaxial output level........................ 500mVp-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.................... 500mVp-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

### Accessories

- Stereo RCA cable...................................................... 1
- Video cable.............................................................. 1
- Scart cable................................................................ 1
- Modem cable............................................................ 1
- Power cord................................................................ 3
- Remote control unit................................................. 1
- AAA (R03P) dry cell batteries................................. 2
- Operating instructions............................................ 1
- Registration Card..................................................... 1

**Note**: the specifications and design of this product is subject to change without notice.

# CONTROLS AND CONNECTIONS
## FRONT VIEW
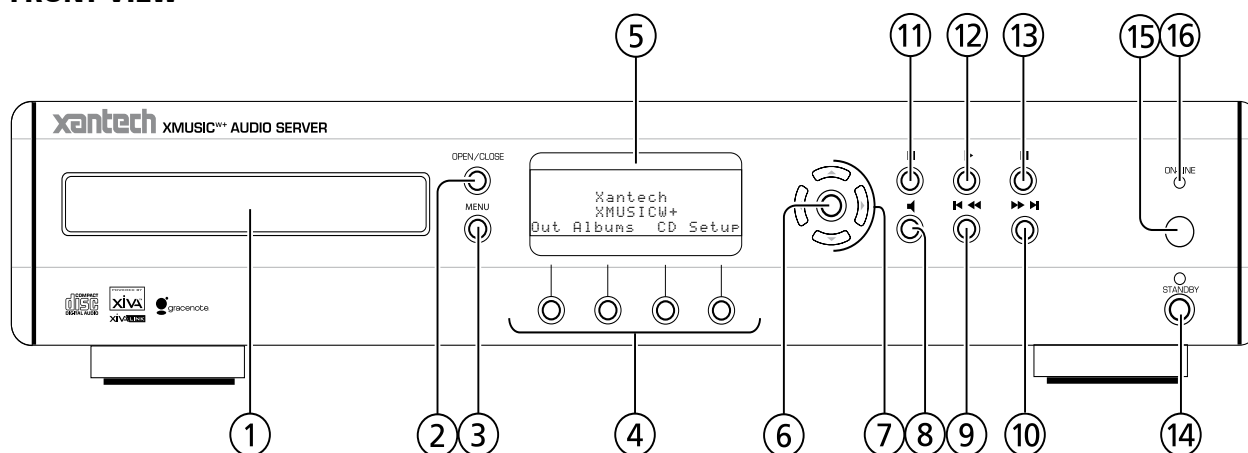


This section provides information about the controls and connections available on your Audio Server.

① **DISC TRAY**

Discs should be inserted 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 **MENU button**

Press the **MENU** button to display the **Main Menu** screen.

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, refer to **The Front Panel Interface** chapter on page 27.

⑤ **DISPLAY**

The display shows information about the music available on the unit, the status of the Audio 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 **◀ OUTPUT button**

This button is used to select the current audio output.

⑨ **◀◀ / ◀◀ 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.

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 on the current audio output.
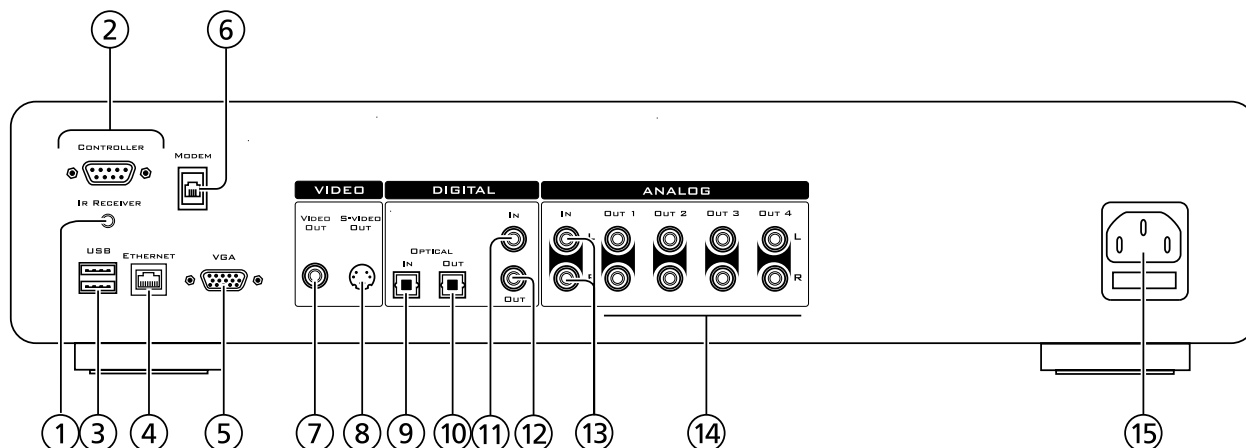
⑭ **STANDBY**

Press the standby button to turn your Audio Server off, press again to switch your Audio Server back on.

⑮ **REMOTE SENSOR**

This window receives signals transmitted from the remote control unit.

⑯ **ONLINE**

The online indicator is illuminated when the modem is active.

## REAR VIEW



### ① IR RECEIVER

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

### ② CONTROLLER

The Controller port provides serial communication with supported devices.

### ③ USB

Allows the Audio Server to communicate with supported USB devices.

### ④ ETHERNET

The Ethernet port is used to connect the Audio Server to a high speed Internet connection.

### ⑤ VGA

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

### ⑥ MODEM

The Modem port can be used to connect the Audio Server to a standard analog telephone line for Internet access.

### ⑦ VIDEO OUT

Connect the composite Video Out of the Audio 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 S-VIDEO OUT

Connect the S-VIDEO output of the Audio 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 Server using an optical connection from a suitable device (such as Minidisc or DAT). (To be supported in future software releases).

### 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 converter, A/V amplifier etc.) using an optical fiber cable. The advantage of using the optical output is that it has low signal loss caused by other 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 1 connector. This output may not be used for making a digital copy of your media.

### ⑪ DIGITAL IN - COAXIAL

High quality recordings can be made onto the hard disk of the Audio Server using a coaxial connection from a suitable device (such as Minidisc or DAT). (Not yet supported in the current software release).

### ⑫ DIGITAL OUT - COAXIAL

By connecting this jack to a digital audio component (D/A converter, A/V amplifier etc.), digital signals from the Audio 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 1 connector. 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 Server using this connection. (Not yet supported in the current software release).

### ⑭ ANALOG OUT 1,2,3,4

The Audio Server is a multiroom device allowing you to listen to different music in up to four different rooms all at the same time (depending on the configuration purchased). Each analog output should be connected to the input jacks of a pre-amplifier.

### ⑮ MAINS

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

## REMOTE CONTROL

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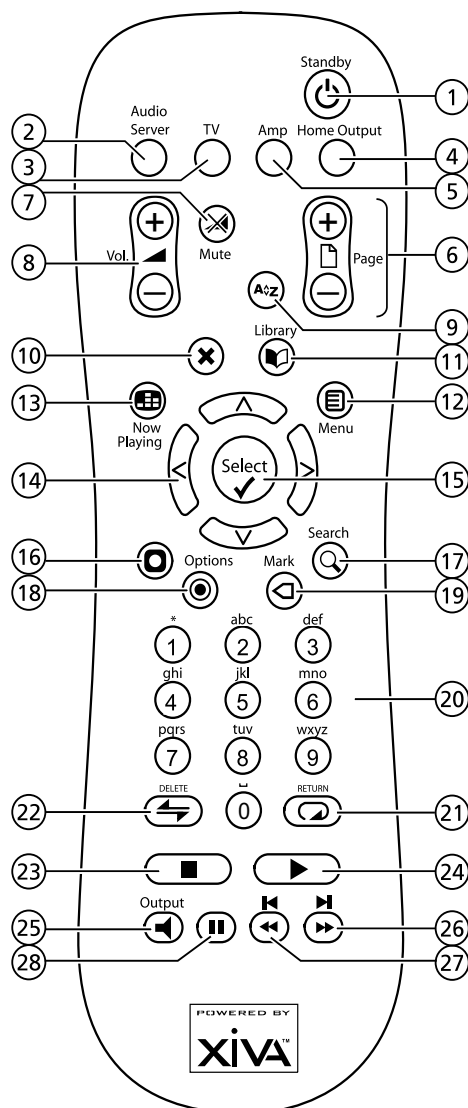


### ① ⏻ STANDBY key

Puts the television user interface of the Audio Server in to and out of Standby mode.

### ② Audio Server key

Press this key to select the Audio Server as the device to be controlled. For more information about using this key, see the section titled **Configuring Your Remote to Control Other Devices** on page 10.

### ③ TV key

Press this key to select the TV as the device to be controlled. For more information about using this key, see the section titled **Configuring Your Remote to Control Other Devices** on page 10.

### ④ HOME OUTPUT key

Press this key to select the **Home Output**.

### ⑤ AMP key

Press this key to select the Amp as the device to be controlled. For more information about using this key, see the section titled **Configuring Your Remote to Control Other Devices** on page 10.

### ⑥ ⎙ PAGE SCROLL keys

These keys are used to scroll through menus by page. When editing text, these keys are used to change the character set.

### ⑦ ⊠◁ MUTE key

If the TV or Amp device is selected, this key mutes the volume.

### ⑧ ◀ VOLUME keys

If the TV or Amp device is selected, these keys control the volume of the TV/Amp.

### ⑨ A↕z ALPHABETIC SCROLL key

Press this key to access the **Initial Letter** screen. This screen is only available if the list currently displayed is in alphabetical order.

### ⑩ ✖ CANCEL key

The **Cancel** key is used to cancel an operation which you no longer wish to continue.

### ⑪ ▯ LIBRARY key

The **Library** key is used to display the **Library**.

### ⑫ ▤ MENU key

Press this key to display the **Main Menu**.

### ⑬ ▦ NOW PLAYING key

The **Now Playing** key is used to view the **Now Playing** screen for the currently selected audio output.

### ⑭ NAVIGATION ＜,＞,∧,∨ keys

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

### ⑮ ✔ SELECT key

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

### ⑯ ⬠ ACTION key

The **Action** key performs different tasks depending on the screen you are currently viewing. For example, on the **Albums** screen, this key is used to add the highlighted selection to a playlist.

### ⑰ ⚲ SEARCH key

The **Search** key can be used to search for music in your **Library**. If pressing this key has no effect, then the search function cannot be used on the current screen.

### ⑱ ◉ OPTIONS key

Press this key on any library screen to view a list of available options. If pressing this key has no effect, then there are no options available on the current screen.

### ⑲ ◁ MARK key

This key is used in the **Library** to select multiple items and then perform an action on them collectively. For more information about using the mark function refer to page 20.

㉑     **NUMERIC (0 to 9) keys**

The numeric keys can be used as follows:

- In the 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     ↻ **REPEAT (RETURN) key**

The **Repeat** key has the following functions:

- During playback this key toggles the repeat play setting on the Audio Server.

- In text entry mode this key can be used to perform a carriage return.

㉒     ⇌ **SHUFFLE (DELETE) key**

The **Shuffle** key has the following functions:

- During playback this key toggles the random play setting on the Audio Server.

- In text entry mode this key can be used to delete characters.

㉓     ■ **STOP key**

During playback the **Stop** key halts playback on the currently selected output of the Audio Server.

㉔     ▶ **PLAY key**

The **Play** key can be used to resume playback on the currently selected output of the Audio Server.

㉕     ◀ **OUTPUT key**

Press this key to change the currently selected audio output.

㉖     ▶▶ ▶I **key**

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

㉗     ◀◀ I◀ **key**

When this key 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 key is held for a longer period of time the music will rewind at high speed.

㉘     II **PAUSE key**

Press the pause key to interrupt playback temporarily.

## SWITCHING ON AND OFF

Your Audio Server is designed to remain switched on continuously. However, if you are not planning to use your Audio Server for an extended period of time, you may want to switch it off.

- To switch off, press the **STANDBY** button on the front panel of your Audio Server. Next, press the action button labelled **Yes** below the LCD display. After a brief period, the unit will switch off and the Standby LED will glow red.

- To switch back on, press the **STANDBY** button on the front panel of your Audio Server again. After a brief period, the unit will switch on, the Standby LED will glow green and the TV will display the **Library** screen.

If you are not using your Audio Server for a brief period, you may want to switch it to Standby mode.

- Press the ⏻**Standby** key on your Audio Server remote control. The TV screen will display the **Standby** screen.

- Press the ⏻**Standby** key again to leave Standby mode and return to normal operation.

## CONFIGURING YOUR REMOTE TO CONTROL OTHER DEVICES

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

**To configure the remote to control your television:**

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

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

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

- Press the **TV** button again.

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

To configure the remote to control your amplifier, follow the above procedure, pressing the **AMP** key in place of the **TV** key, and using the appropriate numeric code for your amplifier.

## REMOTE CONTROL USE IN A MULTIROOM SYSTEM

Your Audio 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 Server the TV display will automatically switch to controlling the appropriate output.

**To configure the remote with a default output**

*   Press the **Audio Server** and ✔**Select** keys simultaneously; hold them down for 1 second.

The **Audio Server** key 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 (valid configurations are listed in **Appendix A**).  For example, to set output 2 as your default output press:

    **0, 0, 2**

*   Press the **Audio Server** button again.

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

Pressing any navigation key on the remote should now cause the Audio Server to switch to the correct output.  The remote control can still be used to control a different audio output in the normal way; pressing the **Home Output** key will return it to controlling the default output.

# CONNECTING YOUR AUDIO SERVER

This chapter describes the necessary connections that must be made in order for the Audio Server to correctly function. In most cases connection and configuration of an Audio Server takes place as part of a home installation and your dealer or installer will be responsible for this. However, should you choose to install your Audio Server yourself, or make changes to an existing installation, follow the instructions below to establish the necessary connections.

## BASIC CONNECTIONS

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

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

### Connecting the Modem

- Connect the supplied telephone lead to a standard analog telephone socket. Connect the other end of this lead to the socket marked **Modem** on the back panel of the Audio Server.

### Connecting the Audio

- Connect the red plug of the supplied audio lead to the red **Analog Out 1** socket on the back of the Audio Server. Connect the adjacent white plug to the white **Analog Out 1** socket on the Audio Server. Connect the other end of this cable to the AUX or CD inputs on your stereo amplifier. In the same way connect the other **Analog Out** connectors to other stereo amplifiers as appropriate.

### Connecting the Video

- Connect the yellow plug of the supplied composite video lead to the yellow **Video Out** socket of the Audio Server. For most TVs connect the other end of this lead to the ext. 1 or 2 socket on the rear of your TV. For some TVs it may be necessary to use a Scart plug. In this case connect the other end of this lead to the yellow socket on the Scart plug. Now connect the Scart plug to the Scart socket in the rear of the TV.

### Connecting the Power

- Connect the supplied power cord to your mains supply. **Note**: be sure to use the correct power cord for your country.

### Switching On

- Switch on your Audio Server using the button labelled **STANDBY** on the front panel.

- Switch on your television. Select the appropriate video channel to view the Audio Server TV User Interface display.

Your Audio Server is now connected ready for use. To take advantage of the Audio Server's multiroom functionality, refer to the section overleaf entitled **Using Your Audio Server in a Multiroom System**.

**Note**: In order to connect to the Internet in the below example it will be necessary to configure the Audio Server's settings to connect using a Modem. See the **Quick Start Guide** on page 4 for more information.



Stereo Amplifier

TV

Audio Server

Telephone socket
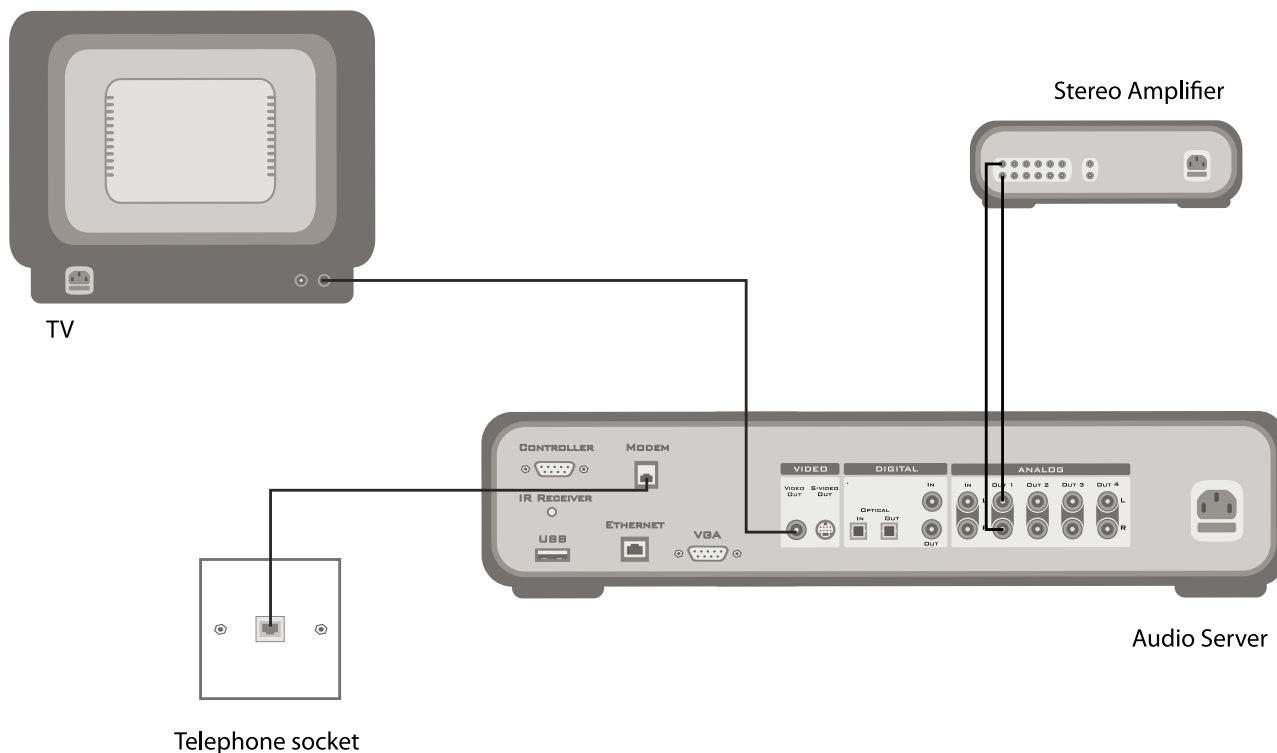
## USING YOUR AUDIO SERVER IN A MULTIROOM SYSTEM

A single Audio Server is capable of playing different music in up to four different rooms simultaneously. This section explains how the Audio 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 Server is not part of a larger multiroom control system you can access the **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 Server remote control with a default output. More information about configuring your remote is given in the section titled **Remote Control Use in a Multiroom System** on page 11.

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

• **Video Out** connector on the rear of the Audio Server is connected to the **Video In** connector of a Video distribution system.  The four **Video Out** connectors on the Video distribution system are then connected to the **Video In** connectors on each of the four televisions.  This allows the TV user interface to be viewed on all televisions around the home.

• A separate Infrared receiver eye is placed in each of the four rooms which transmits received infrared information to an Infrared router.  A connection is made between the infrared router and the **IR Receiver** port on the rear of the Audio Server, through which the received infrared commands are passed.  See **Remote Control Use in a Multiroom System** on page 11 for more information.

**Note**: contact your dealer or installer for information about purchasing additional Audio Server remote controls.

• **Analog Out 1, 2, 3 & 4** are each connected to the stereo inputs of an amplifier located in each of the four rooms.

### Multiroom Control Systems

Your Audio Server is compatible with a number of other Xantech Multiroom products such as the MRC88 Multiroom Controller/Amplifier and SmartPad LCD Touch Panels to offer a complete home installation. The system uses a versatile protocol called XIVA-Link which allows access to most of the Audio Server functions remotely from the MRC88 Control System and/or SmartPadTM LCD controllers.

For more information on using your Audio Server with other Xantech Products, please consult the XMUSIC Advanced Feature addendum (AA13.pdf) as found in the Application Advisory section of the www.Xantech.com web site. This addendum can be accessed directly at the following link: http://www.xantech.com/products/advisories.htm Click on AA13.

Remote Locations with IR Receivers



IR Connecting Block

Video Distribution System

— Infrared
— Video
— Audio

Audio Server

Stereo Amplifiers
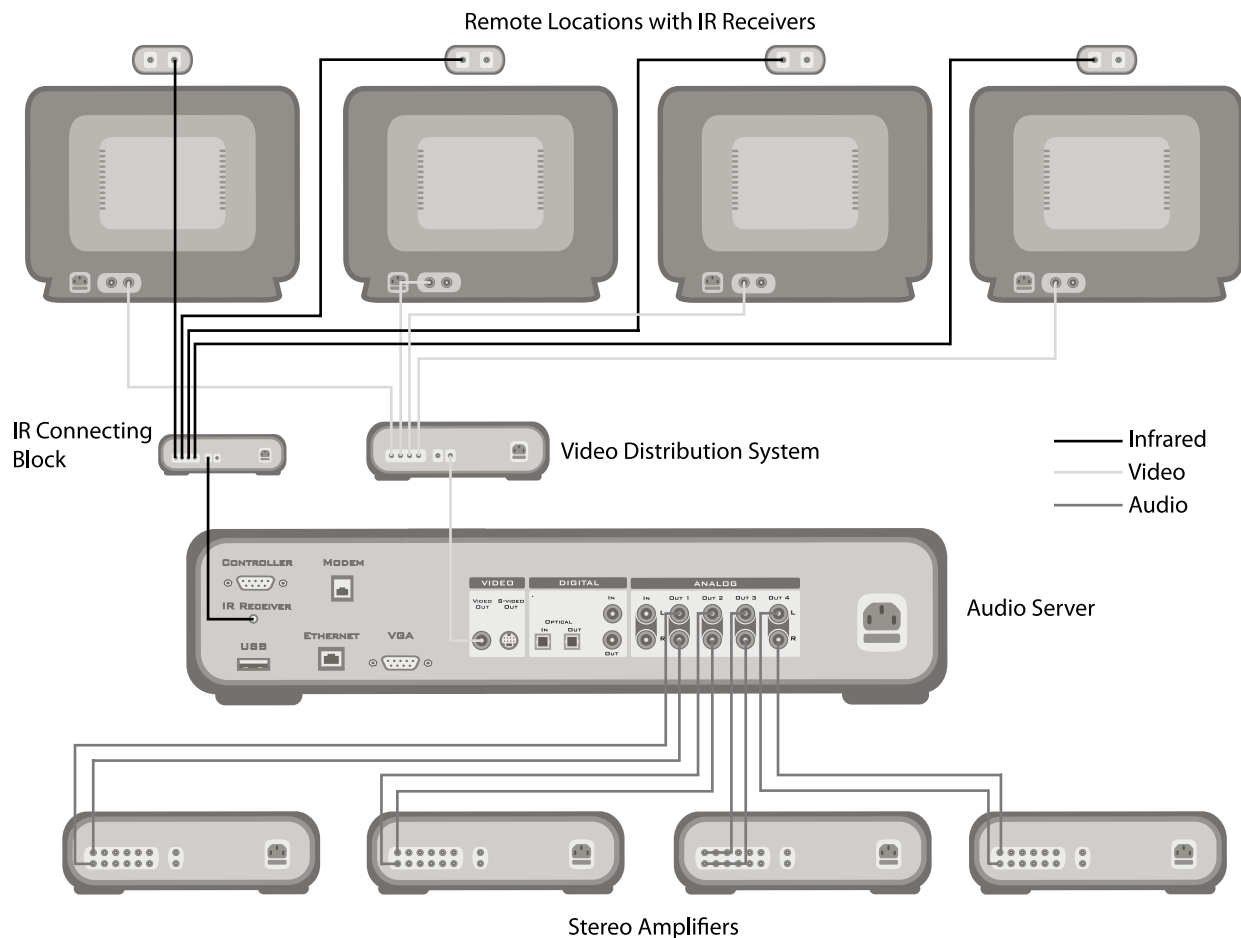
# RECORDING AND PLAYING MUSIC

This chapter explains how to operate your Audio Server, including recording CDs onto the hard disk, navigating the Library to select music for playback and organising your music collection.

## THE MAIN MENU

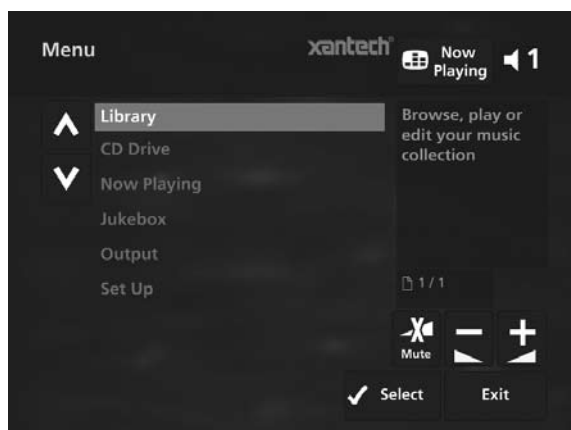The main functions of your Audio Server are accessible via the **Main Menu**.  The **Main Menu** is the first screen to be displayed when your Audio Server is switched on.

Alternatively:

*   From any screen of the television user interface, press the ▤**Menu** key on your Audio Server remote control.

The **Main Menu** will be displayed:



The options available from the **Main Menu** are as follows:

### Library

Select this function to display the **Library** screen.  The **Library** stores all of the music you record on to the hard disk of your Audio Server.

See page 16 for information regarding the **Library** and navigation techniques.

### CD Tray

Select this function to display the **CD Tray** screen.  The **CD Tray** function is used to record or play CDs from the CD drive.

See the chapter entitled **Recording Music** on page 15 for more information about the **CD Tray** screen.

### Now Playing

Select this function to display the **Now Playing** screen for the currently selected audio output.  You can also view this screen by pressing the ▦**Now Playing** key on the remote control.

The **Now Playing** screen is explained in more detail in the section entitled **The Now Playing Screen** on page 21.

### Jukebox

Select the **Jukebox** option to view the library items queued to play on the currently selected audio output.

For details about using the Jukebox feature see the section entitled **The Jukebox** on page 23.

### Output

Select this function to choose which of the available audio outputs you wish to control.

Changing the controlled audio output is explained in greater detail in the section called **Switching Audio Outputs** on page 22.

### Set Up

Select this option to display the **Set Up** screen.  From here you can access the **Settings** screen, the **Look Up Album Details** screen and the **Media Back Up and Restore** feature.

When you select the **Set Up** option, the following screen is displayed:



The following options are available on this screen:

### Look Up Album Details

Select this function to display the **Look Up Album Details** screen.  If you have an Internet connection, use this function to retrieve album details from the Internet.

Refer to the section entitled **Recording Music,** which starts on page 15, for more information about this function.

### Network Back Up and Restore

Select this function to display the **Network Back Up and Restore** screen.  This function allows you to back up all of the music in your **Library** to a selected location.

The section explaining network back up and restore begins on page 36.

### Settings

Select this function to display the **Settings** screen.  From here you can view and amend important settings used by your Audio Server.

For more information refer to the chapter titled **System Settings** on page 29.

## RECORDING MUSIC

Your Audio Server can make new recordings onto the hard disk by recording music directly from an audio CD placed in the CD tray.

Your Audio 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 Music Recognition Service and an album cover illustration from the XiVA on-line service.

### Recording from a CD

*   Press the **OPEN/CLOSE** button on the front panel to open the CD tray.
*   Place a CD in the tray.
*   Press the **OPEN/CLOSE** button on the front panel again to close the CD tray.

Your Audio Server will now automatically attempt to retrieve information about the CD from the Gracenote Music Recognition Service.

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 **Unclassified**.  Accurate album information can be entered manually at a later date using the **Edit Album Details** screen (see **Editing the Library** on page 25).

*   Press the ▤**Menu** key on your Audio Server remote control to display the **Main Menu**.
*   Use the ∧ or ∨ keys to select the **CD Tray** option.
*   Press the ✔**Select** key.

The **CD Tray** screen will display the contents of the CD:
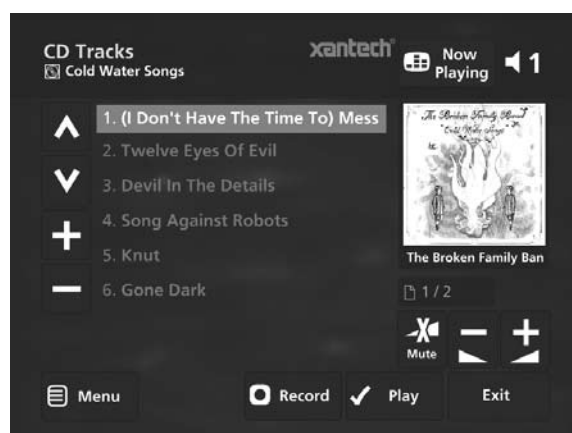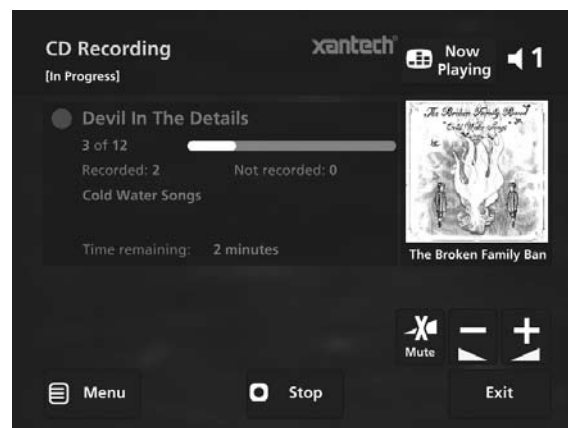


*   Press the ◯**Record** key.

Depending on the configuration of your Audio Server, you may now be presented with the **Recording Quality** options.  By default, the **Quick Record** set up option is set to **enabled** and the recording quality will be determined by the **Default Recording Quality** set up option.  If you have set the **Quick Record** option to **disabled,** you will be asked to choose the recording quality each time you record a CD.

*   Use the ∧ or ∨ keys to choose either **Uncompressed WAV,** or one of the **MP3** or **WMA** compression options.

**Note:** The higher quality options use more space on your Audio Server hard disk, so you will not be able to record as many CDs.  The amount of recording time left is displayed at the bottom of the screen as you scroll the compression options when recording a CD.

*   Press the ✔**Select** key to begin recording.

The **CD Recording** screen, with progress indicator will be displayed:



Once recording is complete the new album will appear in the **Library**.

*   Press the **OPEN/CLOSE** button to remove the disc.

If you have selected a recording quality using one of the MP3 or WMA compression settings, the compression process will begin immediately.

If there is no Internet connection present at the time of recording a CD, you can use **Look Up Album Details** from the **Main Menu** to retrieve any missing album details from the Internet.

*   Press the ▤**Menu** key to display the **Main Menu**.
*   Use the ∧ or ∨ keys and press the ✔**Select** key to display the **Set Up** screen.
*   Use the ∧ or ∨ keys again to select the **Look Up Album Details** option.
*   Press the ◯**Start** key to begin.

### Listening to Music While Recording a CD

You can play music from the **Library** while you are recording a CD.

*   If you are already playing music from the **Library** press the ▦**Now Playing** 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 ▯**Library** key on the Audio Server remote control and select music as normal.

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

### Playing a CD

Your Audio Server can play a CD directly from the CD tray without first recording it to the hard disk.

*   Press the **OPEN/CLOSE** button on the front panel to open the CD tray.
*   Place a CD in the tray.
*   Press the **OPEN/CLOSE** button on the front panel again to close the CD tray.
*   Press the ▤**Menu** key on your Audio Server remote control to display the **Main Menu**.
*   Use the ∧ or ∨ keys to select the **CD Drive** option.
*   Press the ✔**Select** key.
*   Press the ✔**Play** key.

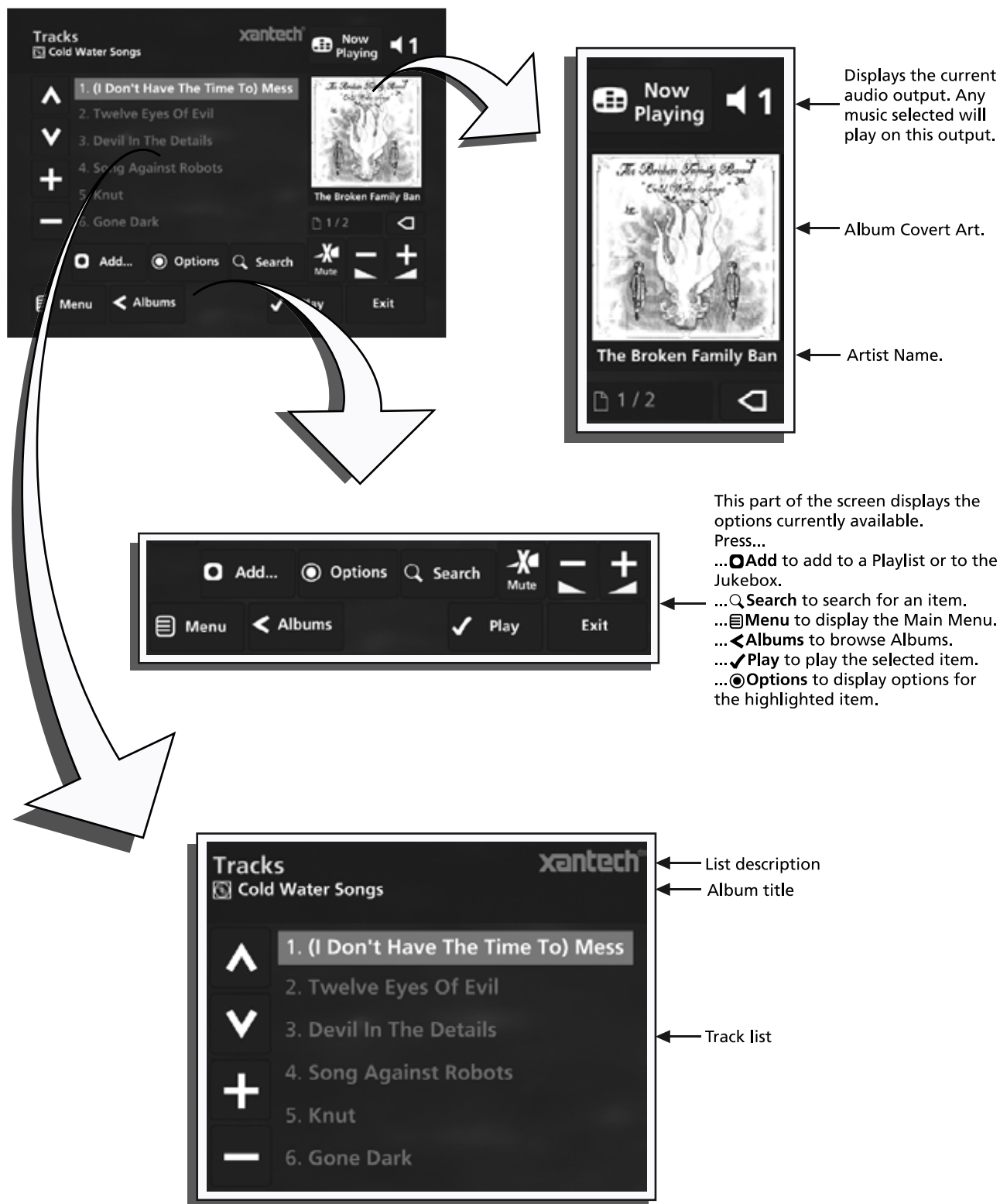**Note**: You cannot record a CD while playing from the CD tray.

# PLAYING MUSIC

This chapter explains how to play music that you have recorded on to your Audio Server. It also explains how to locate the music you wish to play in a number of different ways.

## The Library

The television user interface has been designed to allow easy navigation through the **Library** and therefore give quick and easy access to your complete music collection in a number of different ways. Each screen in the **Library** is carefully constructed to provide the most important information about the items you are viewing.

The illustration below shows how the **Library** screens are structured and describes each part of the screen, the information displayed and the functions available. The example shows the **Tracks** screen for the album *Cold Water Songs*, however all navigation screens in the **Library** are similar in construction.



Displays the current audio output. Any music selected will play on this output.

Album Covert Art.

Artist Name.

This part of the screen displays the options currently available.
Press...
...⬛Add to add to a Playlist or to the Jukebox.
...🔍Search to search for an item.
...▤Menu to display the Main Menu.
...◄Albums to browse Albums.
...✓Play to play the selected item.
...◉Options to display options for the highlighted item.

List description
Album title

Track list

## PLAYING MUSIC FROM THE LIBRARY

The following sections contains a detailed explanation about selecting items in the **Library** for playback.
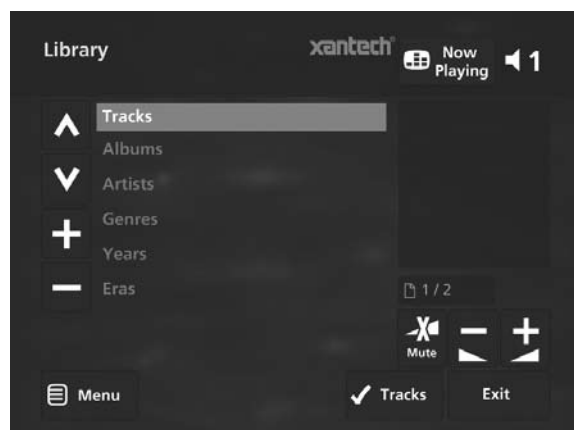
### Displaying the Library

Either:

• Press the ⮑**Library** key on your Audio Server remote control from any screen.

Or:

• Use the ⋀ or ⋁ keys on the **Main Menu** to highlight the **Library** option and press ✔**Select**.
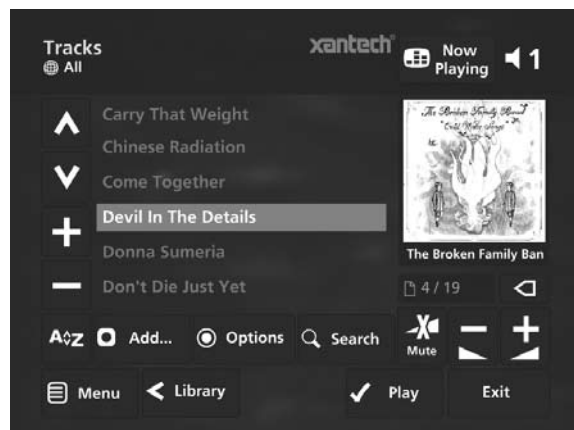
The **Library** screen is displayed:



### Browsing the Library by Track

• Use the ⋀ or ⋁ keys to highlight the **Tracks** option in the **Library** Menu.

• Press the ❯ key to display the **Tracks** screen.

The TV screen will display the tracks in your **Library**:



• Press the ⋀ or ⋁ keys to step between tracks, or press the appropriate letter on your Audio Server remote control to jump directly to that position in the list.

• Alternatively, press the 🔍**Search** button and select **Tracks** to list just those tracks that contain a particular word or group of letters.
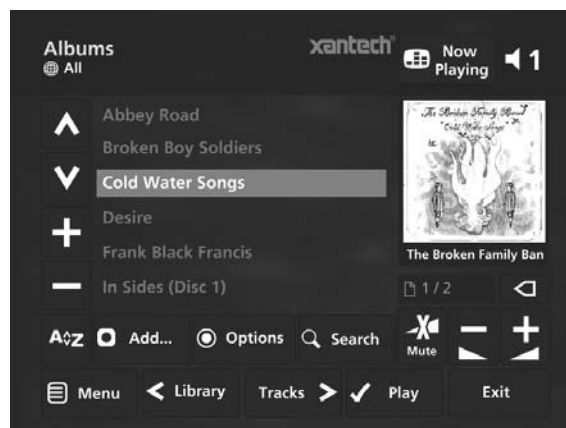
**To play a particular track:**

• Press the ✔**Play** key to begin playback immediately, or press the ⭕**Add** button to add this track to a playlist or the Jukebox.

• Press the ❮ key to return to the **Library**.

### Browsing the Library by Album

• Use the ⋀ or ⋁ keys to highlight the **Albums** option in the **Library** Menu.

• Press the ❯ key to display the **Albums** screen.

The TV screen will display the albums in your **Library**:



• Press the ⋀ or ⋁ keys to step between albums, or press the appropriate letter on your Audio Server remote control to jump directly to that position in the list.

• Alternatively, press the 🔍**Search** button and select **Albums** to list just those albums that contain a particular word or group of letters.

**To play the entire album:**

• Press the ✔**Play** key on your Audio Server remote control to begin playback immediately, or press the ⭕ **Add** button to add this album to the Jukebox.

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

• Press the ❯ key to open the album and display the tracks it contains.

• Use the ⋀ or ⋁ keys to step between tracks.

• Press the ✔**Play** key to begin playback immediately, or press the ⭕ **Add** button to add this track to a playlist or the Jukebox.

• Press the ❮ key to return to browsing by album.

### Browsing the Library by Artist

• Use the ⋀ or ⋁ keys to highlight the **Artists** option in the **Library** Menu.

• Press the ❯ key to display the **Artists** screen.

The TV screen will display the artists in your **Library**:



• Press the ⋀ or ⋁ keys to step between artists, or press the appropriate letter on your Audio Server remote control to jump directly to that position in the list.

- Alternatively, press the 🔍 **Search** button and select **Artists** to list just those artists that contain a particular word or group of letters.

**To play all albums by the selected artist:**

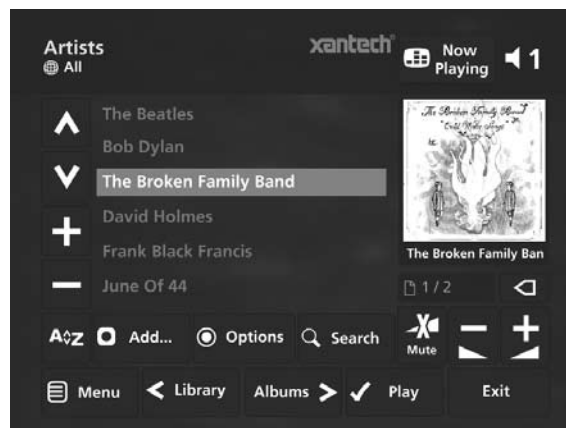- Press the ✔**Play** key on your Audio Server remote control to begin playback immediately, or press the ⬜**Add** button to add all albums by the selected artist to a playlist or the Jukebox.

**To select a particular album by the selected artist:**

- Press the ❯ key to display all available albums by the selected artist.
- Use the ⋀ or ⋁ keys to step between albums.

Either:

- Press the ✔**Play** key to begin playback immediately, or press the ⬜**Add** button to add this album to a playlist.

Or:

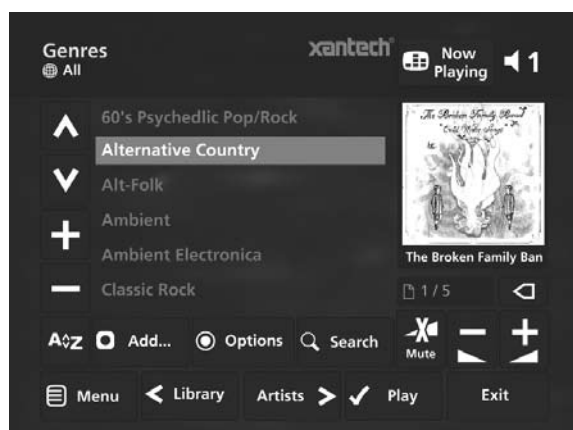- Press the ❯ key again to select a track from within the album.

Or:

- Press the ❮ key to return to browsing by artists.

### Browsing the Library by Genre

- Use the ⋀ or ⋁ keys to highlight the **Genres** option in the **Library** Menu.
- Press the ❯ key to display the **Genres** screen.

The TV screen will display the genres in your **Library**:



- Use the ⋀ or ⋁ keys to step between genres.
- Alternatively, press the 🔍 **Search** button and select **Genres** to list just those genres that contain a particular word or group of letters.

**To play all albums in the selected genre:**

- Press the ✔**Play** key on your Audio Server remote control to begin playback immediately, or press the ⬜**Add** button to add all albums in the selected genre to a playlist.

**To select a particular album in the selected genre:**

- Press the ❯ key to display all artists within the selected genre.
- Use the ⋀ or ⋁ keys to step between artists.
- Press the ❯ key again to display all albums by a particular artist.
- Use the ⋀ or ⋁ keys to step between albums.

Either:

- Press the ✔**Play** key to begin playback immediately, or press the ⬜**Add** button to add this album to a playlist or the Jukebox.

Or:

- Press the ❮ key to return to browsing by genres.

### Browsing the Library by Year

- Use the ⋀ or ⋁ keys to highlight the **Years** option in the **Library** Menu.
- Press the ❯ key to display the **Years** screen.

The TV screen will display the years available in your **Library**:
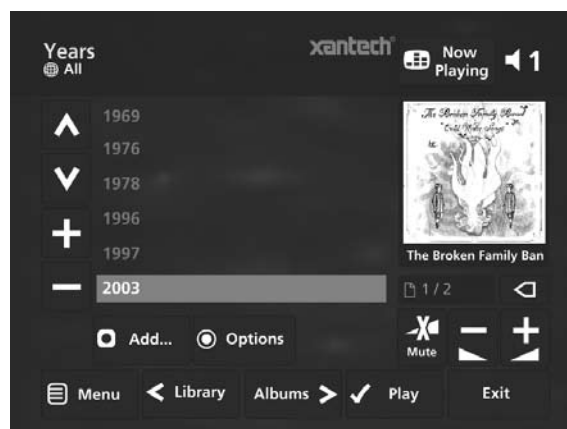


- Use the ⋀ or ⋁ keys to step between years, or press the appropriate key on the alphanumeric keypad to jump directly to that position in the list.

**To play all albums in the selected year:**

- Press the ✔**Play** key on your Audio Server remote control to begin playback immediately, or press the ⬜**Add** button to add all albums in the selected year to a playlist.

**To select a particular album in the selected year:**

- Press the ❯ key to display all albums within the selected year.
- Use the ⋀ or ⋁ keys to step between albums.

Either:

- Press the ✔**Play** key to begin playback immediately, or press the ⬜**Add** button to add this album to a playlist or the Jukebox.

Or:

- Press the ❮ key to return to browsing by years.

### Browsing the Library by Era

- Use the ⋀ or ⋁ keys to highlight the **Eras** option in the **Library** Menu.
- Press the ❯ key to display the **Eras** screen.

The TV screen will display the eras in your **Library**:
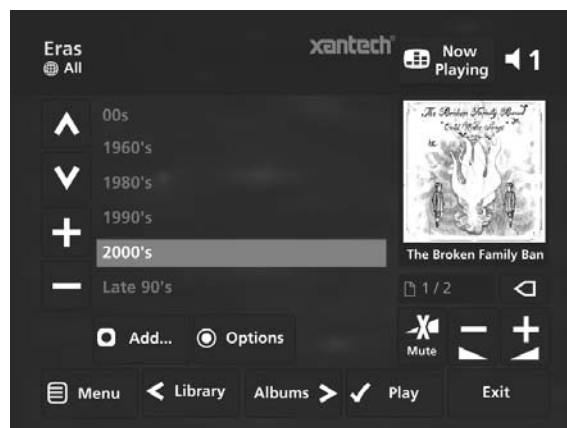
- Use the ∧ or ∨ keys to step between eras, or press the appropriate key on the alphanumeric keypad to jump directly to that position in the list.

**To play all albums in the selected era:**

- Press the ✔**Play** key on your Audio Server remote control to begin playback immediately, or press the **○Add** button to add all albums in the selected era to a playlist.

**To select a particular album in the selected era:**

- Press the ❯ key to display all albums within the selected era.

- Use the ∧ or ∨ keys to step between albums.

Either:

- Press the ✔**Play** key to begin playback immediately, or press the **○Add** button to add this album to a playlist or the Jukebox.

Or:

- Press the ❮ key to return to browsing by eras.

## Browsing Playlists in the Library

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 refer to **Creating a new Playlist** on page 23.

- Use the ∧ or ∨ keys to highlight the **Playlists** option in the **Library** Menu.

- Press the ❯ key to display the **Playlists** screen.

The TV screen will display the playlists in your **Library**:
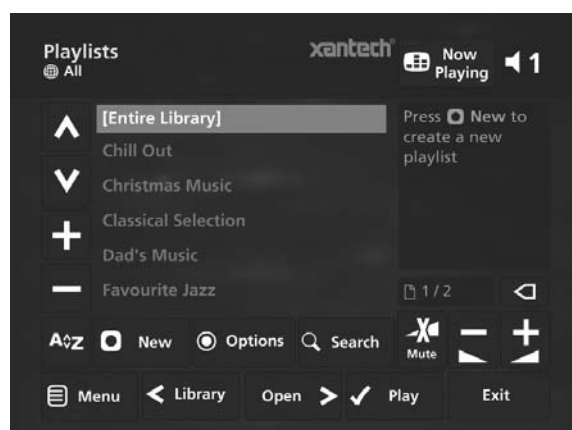


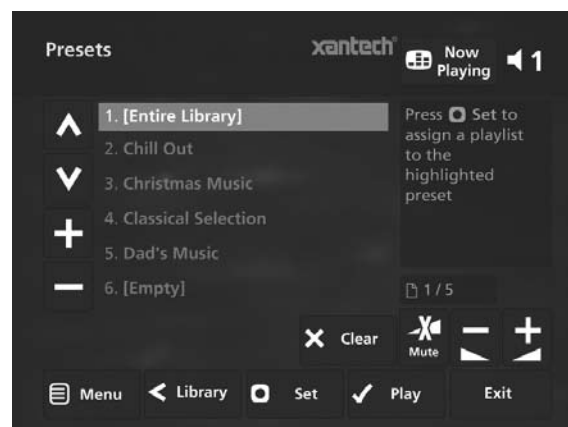**Note**: If you have not yet created any playlists the list will be empty.

- Press the ∧ or ∨ keys to step between playlists, or press the appropriate letter on your Audio Server remote control to jump directly to the item in the list beginning with that letter.

- Press the ✔**Play** key on your Audio Server remote control to begin playback immediately, or press the **○Add** key to add all tracks in the selected playlist to another playlist.

## Browsing Presets in the Library

Presets provide instant one-button playback from selected control systems. For more information about storing presets refer to **Storing a Preset** on page 24.

- Use the ∧ or ∨ keys to highlight the **Presets** option in the **Library** Menu.

- Press the ❯ key to display the **Presets** screen.

The TV screen will display the presets in your **Library**:



- Press the ∧ or ∨ keys to step between presets, or press the appropriate letter on your Audio Server remote control to jump directly to the item in the list beginning with that letter.

- Press the ✔**Play** key on your Audio Server remote control to begin playback

## Playing the Entire Library

In addition to the ability to select individual items in the **Library**, you can also choose to play your entire music collection with a single button press.

**To Play the entire Library**

- Press the ☰**Menu** key on your Audio Server remote control to display the **Main Menu** screen.

- Press the **○Play Library** key.

Initiating playback of your entire **Library** in this way will automatically enable shuffle and repeat.

Alternatively:

- Press the 📖**Library** key on your remote control to display the **Library** screen.

- Use the ∧ or ∨ keys to highlight the **Playlists** option and press ✔**Select**.

- Use the ∧ or ∨ keys again to highlight the playlist entitled **[Entire Library]** and press ✔**Play**.

Initiating playback of your entire **Library** in this way will not automatically enable shuffle and repeat.

## Selecting Items Directly Using Your Audio Server Remote Control

You can select an item from your **Library** directly by the first letter of its title using the alphanumeric keypad on your Audio Server remote control.

**To select a library item by name:**

- Display the appropriate **Library** screen for the item you want to find (e.g. **Artists**).

- Press the alphanumeric keypad key corresponding to the first letter of the item you want to select.

For example to find the artist *Santessa* navigate to the **Artists** screen, then press the **7** key four times because S is the fourth letter on the **7** key. The TV screen shows the first artist beginning with the letter S.

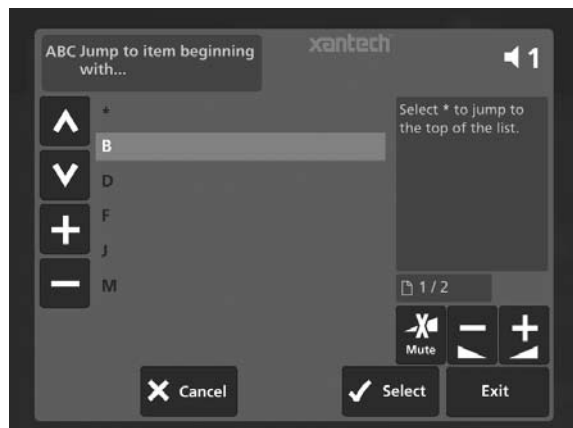If there are several artists beginning with the letter S press the ∨ key to step through until you find the artist for which you are looking.

- Press the **1** key to return to the top of the list.

Alternatively, you can use the ᴬ♭z function to select a library item by initial letter:

• Display the appropriate library menu for the item you want to find (e.g. **Artists**).

• Press the ᴬ♭z key on your Audio Server remote control.

The TV screen displays a list of letters which correspond to the starting letter of the items available in the chosen list:



• Use the ∧ or ∨ keys to step between the letters in the list and highlight the starting letter of the item you are trying to locate.

• Press the ✔**Select** key.

The TV screen will display 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 for which you are looking.

• Press the **1** key to return to the top of the list.

## THE SEARCH FUNCTION

The search function can be used from any **Library** screen to reduce the items in the current list to only those that contain a particular word or collection of characters.

To use the search function, press the ⚲**Search** key on your Audio Server remote control from any screen in the **Library**.



Use the alphanumeric keypad to enter text and press the ✔**OK** key. A list of items containing your search criteria will then be displayed.

## THE MARK FUNCTION

The mark function can be used to select multiple items within a list in the **Library**. You can then perform a single action to be applied to all of the marked items rather than performing the same action on each item individually.

For example:

**To delete multiple albums from the Library**

• Press the 📖**Library** key on your Audio Server remote control to display the **Library**.

• Press the ∧ or ∨ keys to highlight **Albums** and press the ✔**Select** key to display the **Albums** list.

• Use the ∧ or ∨ keys again to highlight an album you wish to delete.

• Press the ◁**Mark** key.

The mark symbol will appear next to the marked album:
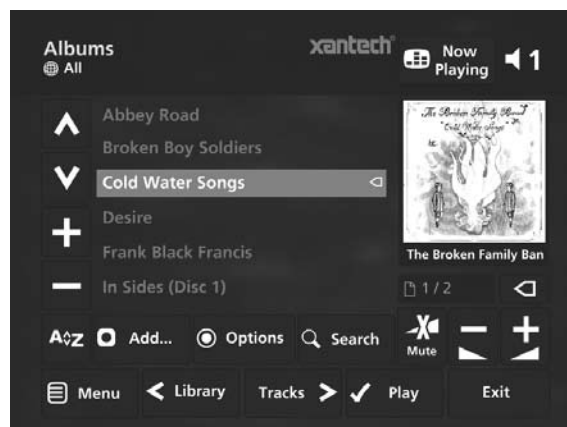


Place a mark symbol next to the other albums you wish to delete.

• Press the ◉**Options** key and highlight **Delete marked albums**.

• Press the ✔**Select** key.

If there are less than one hundred items in a list, you also have the option to mark all of the items in a list, without having to go through them individually.

For example:

**To delete all the albums by a particular artist**

• Press the 📖 **Library** key on your Audio Server remote control to display the **Library**.

• Press the ∧ or ∨ keys to highlight **Artists** and press the ✔**Select** key to display the **Artists** list.

• Use the ∧ or ∨ keys again to highlight an artist and press the ❯ key.

A list of all the albums by the chosen artist is displayed.

• Press the ◉**Options** key and choose **Mark all**.

• Press the ✔**Select** key.

• Press the ◉**Options** key again and choose **Delete marked albums**.

• Press the ✔**Select** key.

**Note**: If pressing the ◁**Mark** key has no effect, then the mark function is not available on the current screen.

## THE NOW PLAYING SCREEN

The illustration below shows the **Now Playing** screen. Whenever you select an item in the **Library** for playback, this screen is displayed. You can also choose to display this screen at any time by pressing the ⊞**Now Playing** key on your Audio Server remote control. When you make this selection, your Audio Server will display the **Now Playing** screen for the currently selected audio output. If your Audio Server has multiple audio outputs, you will also have multiple **Now Playing** screens which are selectable using the ◀**Output** key on your Audio Server remote control (refer to page 22 for more information).

The current audio output.

Cover Art for the track currently playing.

Artist name.

Shuffle status.

Repeat status.

This part of the screen displays the options currently available.
Press...
...◀**Browse** to browse the Audio Library.
...|◀ to skip backwards.
...|| to pause playback.
...▶| to skip forwards.
...⊟**Menu** to display the Main Menu.
...**Jukebox**❯ to display the Jukebox.
...■ to stop playback.
...▶ to restart playback.

Press...
...⇆**Shuffle** to randmise playback.
...↻**Repeat** to repeat a selection.
...◻**Add** to add the current track to a Playlist.
...◉**Options** to display Track Options.

Title of the current screen.

Title of the current track.

Track length and progress bar.

Time elapsed and remaining.

Album title.

Album position.

Jukebox position.

Next track.

## Switching Audio Outputs

Depending on the configuration you have purchased, your Audio Server may be capable of playing different music in several rooms simultaneously.  If you wish to play music in a particular room, you must first choose the correct audio output.

**To select an Audio Output**

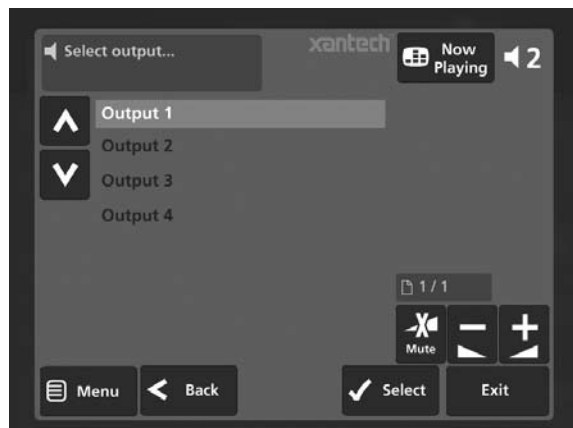- Press the ◀**Output** key on your Audio Server remote control.

The following screen is displayed:



- Use the ∧ or ∨ keys to select an audio output.
- Press the ✓**Select** key.

You are now in control of the audio output you have selected and items you select for playback in the **Library** will play on this audio output.

You can view the playback status of the currently selected output at any time by pressing the ⊞**Now Playing** key on your Audio Server remote control.

## 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 ❚❚ key on the front panel or your Audio Server remote control.

**To stop play**

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

**To resume play**

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

**To skip to the next or previous track**

- Press the ◀◀ ◀❚ or ❚▶ ▶▶ key on the front panel or your Audio 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 ◀◀ ◀❚ or ❚▶ ▶▶ key on the front panel or your Audio Server remote control.

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

### Shuffle and repeat playback

Your Audio Server lets you play selections from the **Library** in a shuffled order to add variety to your music. You can also play selections repeatedly.

**To shuffle the playback order**

- Press the ⇋ key on your Audio Server remote control to randomise the order of the selections in the Jukebox.
- Press the ⇋ key a second time to shuffle all of the tracks in the Jukebox.  This will also turn on repeat mode for continuous playback of all tracks.
- Press the ⇋ key a third time to disable shuffle.

**To repeat the current selection**

- Press the ↻ key on your Audio Server remote control to repeat the currently playing track.
- Press the ↻ key a second time to repeat the entire Jukebox.
- Press the ↻ key a third time to disable repeat.

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

## Now Playing Screen Options

There are a number of options available from the **Now Playing** screen.

- Press the ⊞**Now Playing** key on your Audio Server remote control to display the **Now Playing** screen.
- Press the ◉**Options** key.

The following screen is displayed:



**Jump to album**

- Use the ∧ or ∨ keys to select **Jump to album.**
- Press the ✓**Select** key.

The currently playing album will be displayed.

**Jump to artist**

- Use the ∧ or ∨ keys to select **Jump to artist.**
- Press the ✓**Select** key.

All albums by the currently playing artist will be displayed.

**Jump to genre**

- Use the ∧ or ∨ keys to select **Jump to genre.**
- Press the ✓**Select** key.

All artists in the same genre as the currently playing track will be displayed.

From this options screen, you also have the choice to edit album or track details.  For instructions regarding the use of these options, refer to the **Editing the Library** chapter on page 25.

**The Jukebox**

Any item in your **Library** can be selected for playback in one of two ways:

- Press the ✔**Play** key to begin playback immediately, ending playback of any current music selection.

- Press the ▢**Add** key and select the **[Jukebox]** option.

- Press the ◉**Add** key to add the selected item to the end of the Jukebox. For example, if you are currently playing an album, the item you have selected will not begin playing until the album has finished.

Alternatively:

- Press the ✔**Add & Show** key to add the selected item to the Jukebox and display the Jukebox screen.

**To display the Jukebox:**

- Display the **Now Playing** screen by pressing the ⊞**Now Playing** key **on** your Audio Server remote control.

- Press the ❯ key to display the Jukebox.



**To remove a selection from the Jukebox**

- Use the ⋀ or ⋁ keys to highlight the selection you would like to remove from the queue.

- Press the ✖**Delete** key.

**To clear the Jukebox**

- Press the ◉**Options** key and choose **Clear Jukebox**.

**To move a selection in the Jukebox**

- Press the ◁**Mark** key twice to place a ◀**Move** symbol next to the selection you wish to move.

- Use the ⋀ or ⋁ keys to move the selection to a new place in the Jukebox.

- Press the ◁**Mark** key again to remove the ◀**Move** symbol.

**To save a Jukebox as a playlist**

You can save a Jukebox as a playlist so that you can listen to the same collection of music at a later time.

- From the **Jukebox** screen press the ◉**Options** key on your Audio Server remote control.

- Choose **Save Jukebox as playlist...** and, in the screen that appears, enter a name for the play list using the alphanumeric keypad.

- Press the ✔**Ok** key.

Your current Jukebox will now be available as a playlist in the **Library**.

# ORGANISING YOUR MUSIC COLLECTION

This chapter describes the features built into your Audio Server to help you organize the music in your **Library**, including information about creating playlists of your favourite tracks, deleting albums or tracks you no longer want to store, and naming albums, tracks, and artists.
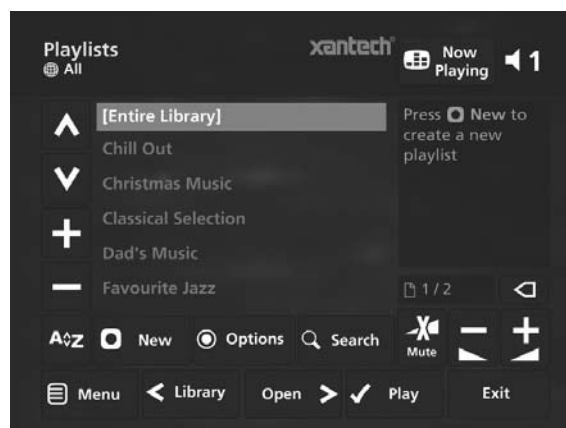
## PLAYLISTS

Your Audio Server allows you to create your own selections, 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 **Playlist** screen.

### Creating a New Playlist

- Display the **Library** by pressing the ▯**Library** key on your Audio Server remote control.

- Press the ⋀ or ⋁ keys to highlight the **Playlists** option and press the ✔**Select** key.

The following screen will be displayed, listing your existing playlists:



- Press the ▢**New** key on your Audio Server remote control.

- Use the alphanumeric keypad to enter a name for the new playlist and press the ✔**Ok** key.

Your new playlist will now appear in the list.

### Adding Music to a Playlist

You can add music from your **Library** to a playlist from any library screen, by using the ▢**Add** key on your Audio Server remote control.

For example, to add an album to a playlist:

- Press the ▯**Library** key on your Audio Server remote control to display the **Library**.

- Press the ⋀ or ⋁ keys to highlight **Albums** and press the ✔**Select** key to display the albums list.

- Use the ⋀ or ⋁ keys to highlight the album you wish to add to a playlist.

- Press the ▢**Add to...** key.

The following screen is displayed:
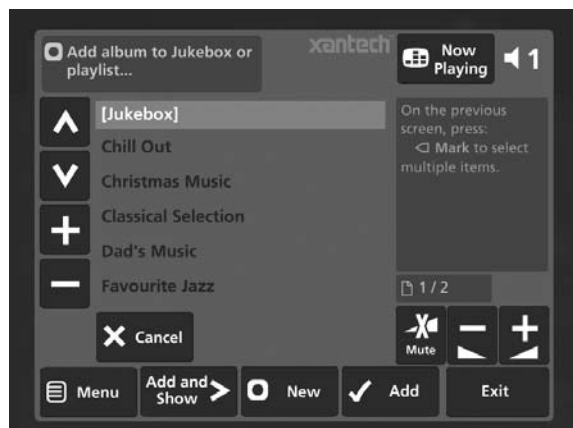


- Use the ∧ or ∨ keys to select the playlist to which you would like to add the selected album.

Alternatively, use the ◯**New** key to create a new playlist as described in the previous section.

- Press the ◉**Add** key to add the album to the playlist.

Alternatively:

- Press the ✔**Add & Show** key to add the album to the playlist and display the playlist's contents.

You can also use the ◁**Mark** key to mark multiple items in the **Library** and then add them to a playlist using the above method.

### Editing Playlists

**To edit a playlist name**

- From the **Playlists** screen, use the ∧ or ∨ keys to highlight the playlist you wish to edit.
- Press the ◉**Options** key and choose **Edit Playlist Name**.
- Use the alphanumeric keypad to edit the playlist name and then press the ✔**Ok** key.

**To remove an item from a playlist**

- Use the ∧ or ∨ keys to highlight the item you would like to remove from the playlist.
- Press the ✘**Delete** key.

To delete multiple items from a playlist use the ◁**Mark** key to mark the items you wish to remove and then follow the process described above.

**To move an item in a playlist**

- Use the ∧ or ∨ keys to highlight the item you would like to move in the playlist.
- Press the ◁**Mark** key twice to place a ◀**Move** symbol next to the item you wish to move.
- Use the ∧ or ∨ keys to move the selection to a new place in the playlist.
- Press the ◁**Mark** key again to remove the ◀**Move** symbol.

**To delete a playlist**

- From the **Playlists** screen, use the ∧ or ∨ keys to highlight the playlist you wish to delete.
- Press the ◉**Options** key and choose **Delete playlist.**
- **Press the ✔Yes** key to confirm the deletion.

To delete multiple playlists use the ◁**Mark** key to mark the playlists you wish to remove and then follow the process described above.
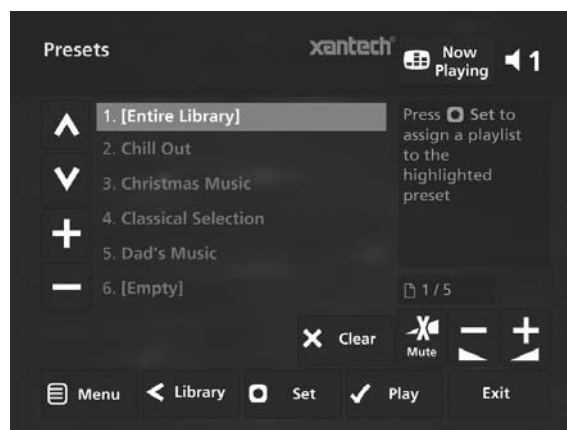
## PRESETS

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 **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 playlist must be assigned to that 'station':

### Storing a Preset

- Display the **Library** by pressing the ▶**Library** key on your Audio Server remote control.
- Press the ∧ or ∨ keys to select **Presets** and press the ❯ key.

The existing presets will be displayed:



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

- Press the ∧ or ∨ keys to select the **Preset** you would like to program and press the ◯**Set** key.

The following screen is displayed:
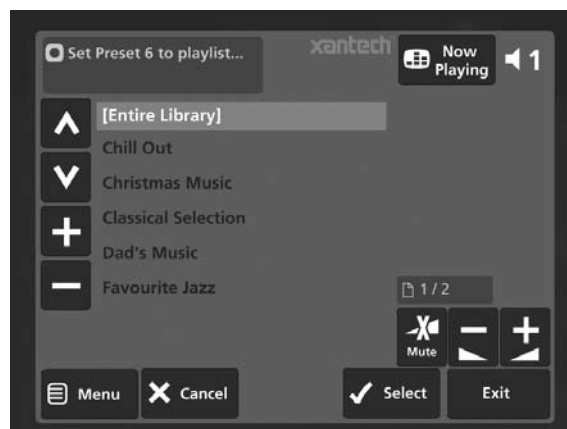


- Press the ∧ or ∨ keys to select the **Playlist** you would like to assign and press the ✔**Select** key.

The new preset will automatically be given the same name as the playlist assigned to it.

**To clear a preset**

- Use the ∧ or ∨ keys to highlight the preset you would like to clear.
- Press the ✘**Clear** key.
- Press the ✔**Yes** key to confirm.

## EDITING THE LIBRARY

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

### Editing Album Information

- Press the 📖**Library** key on your Audio Server remote control to display the **Library**.
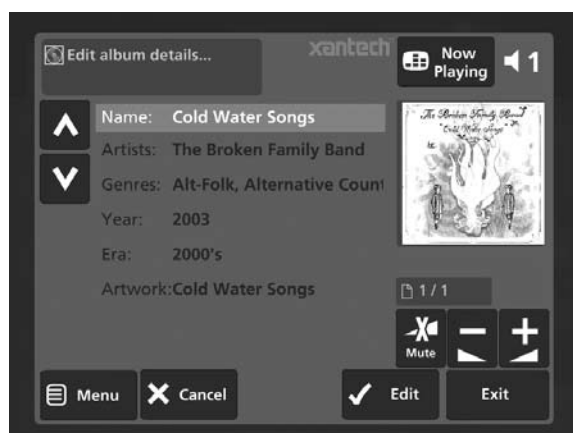- Press the ∧ or ∨ keys to select **Albums** and press the ➤ key.
- Use the ∧ or ∨ keys again to highlight the album you wish to edit.
- Press the ⊙**Options** key, choose **Edit Album Details** and press the ✔**Select** key

The following screen is displayed:



- Use the ∧ or ∨ keys to highlight either **Name, Artists, Genres, Year** or **Era**.
- Press the ✔**Edit** key.
- Use the alphanumeric keypad to edit the text and press the ✔**OK** key.

When you have finished making changes to an album's details make sure you press the ⬜**Save** key.

If, for example, multiple genres are applicable to an album these can be entered by pressing the **RETURN** key on the remote control between entries, while editing the genre field.

### Editing Track Information

- Press the 📖**Library** key on your Audio Server remote control to display the **Library**.
- Press the ∧ or ∨ keys to select **Tracks** and press the ➤ key.
- Use the ∧ or ∨ keys again to highlight the track you wish to edit.
- Press the ⊙**Options** key and choose **Edit Track Details**.

The following screen is displayed:



- Use the ∧ or ∨ keys to highlight either **Name, Artists, Genres, Year, Era** or **Artwork**.
- Press the ✔**Edit** key.
- Use the alphanumeric keypad to edit the title and press the ✔**OK** key.

When you have finished making changes to a track's details make sure you press the ⬜**Save** key.

### Editing Genre, Year and Era names

- Press the 📖**Library** key on your Audio Server remote control to display the **Library**.
- Press the ∧ or ∨ keys to select either **Genres, Years** or **Eras** and press the ➤ key.
- Use the ∧ or ∨ keys again to highlight the genre, year or era you wish to edit.
- Press the ⊙**Options** key and choose the **Edit name** option.
- Use the alphanumeric keypad to enter a new name for the genre, year or era.

### Selecting Album Artwork

Your Audio Server stores a number of generic cover art images that can be applied to albums in your **Library**. You can also choose to apply cover art that has been downloaded from the XiVA Online Service to any album in your library.

- Highlight the album in your **Library** to which you would like to apply a cover art image.
- Press the ⊙**Options** key.
- Use the ∧ and ∨ keys to select **Edit Album Details** and press the ✔**Select** key.
- Choose the **Artwork** option and press the ✔**Edit** key.

The following screen, listing all of the cover art images stored on your Audio Server, is displayed:
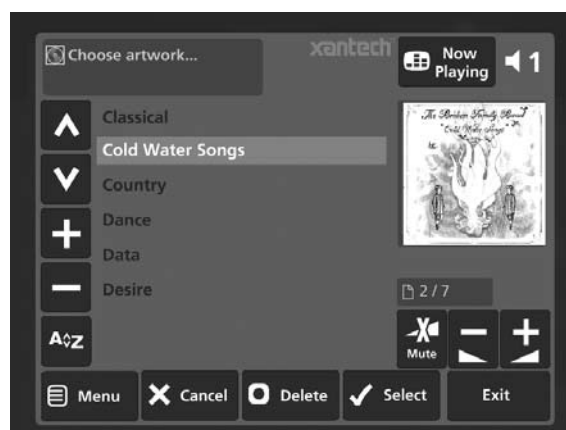
- Use the ∧ or ∨ keys to scroll through the cover art images.

- Press the ✔**Select** key to associate a piece of artwork with your chosen album.

It is also possible to upload images from your PC to your Audio Server and apply these to albums in your **Library**.  For more information, refer to the section titled **Importing Files To Your Audio Server** on page 35.

## Deleting Albums and Tracks

- Press the 📖**Library** key on your Audio Server remote control to display the **Library**.

- Press the ∧, ∨ and ❯ keys to navigate to the album or track you would like to delete.

- Press the ◉**Options** key and choose **Delete track** or **Delete album** where appropriate.

A confirmation screen will appear:
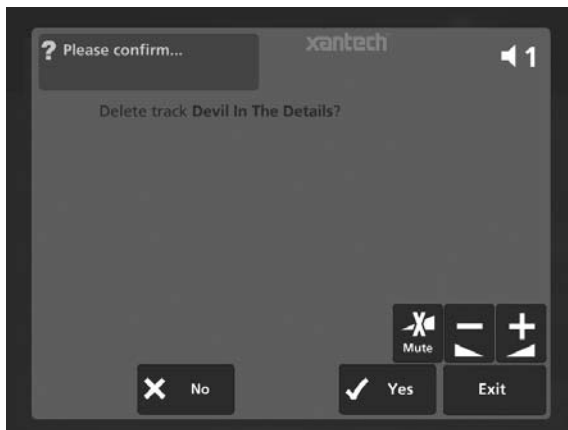


- Press the ✔**Yes** key to confirm deletion of the album or track.

**Note**: Any items you choose to delete will be permanently erased from your Audio Server's hard disk.  Anything you delete by accident will need to be re-recorded.

## Configuring Setup Options

The configuration options available in the **Settings** menu of the television user interface are also available via the front panel user interface.

• Press the front panel action button corresponding to the **Setup** label on the LCD display.

The following screen is displayed:

```
Setup
^  Network Settings
v
                  Select
```

Use the ∧ and ∨ buttons on the front panel to scroll through the following **Set Up** options:

• Network Settings
• Current Ethernet Settings
• Static Ethernet Settings
• Modem Settings
• TV Settings
• System Information
• Software Update Settings
• Network Back Up Settings
• CD Record Settings
• Media Transfer Settings
• XiVALink Settings
• Remote Diagnostics
• Online Update

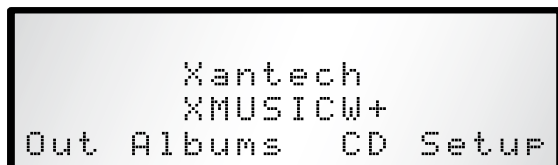Press the **Select** action button on the front panel to enter any of the above sections and configure settings as you would on the television user interface.

Where you are required to enter text, a screen will appear containing letters, numbers and symbols:

```
Xantech
^[+]a b c d e f g h
v  i j k l m n o p q
      Cancel OK Select
```
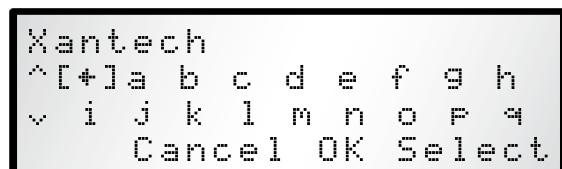
• Use the ∧, ∨, ❮ and ❯ buttons on the front panel to scroll down the list selecting characters to enter.
• Use the **Select** action key on the front panel to select a character.

As you select characters they will appear at the top of the LCD display.

• Press the **Ok** action key when you have finished entering text.

## Online Updates

The software used in the Audio Server is always being improved by Xantech and therefore, periodically, updates become available for download. The process is handled automatically and only a few button presses are required to check for and install the latest available updates.

• Use the ∧ and ∨ buttons on the front panel to select the **Online Update** option.
• Ensuring your Internet connection is present, press the **Select** action button.

Follow the prompts to check for and install online updates. When the process is complete, your Audio Server will automatically restart with the new software installed.

**Note**: To perform an online update your Audio Server must have an Internet connection present.

# SYSTEM SETTINGS

This chapter describes the advanced settings that you can access from your Audio Server's **Settings** menu.

To access the **Settings** menu:

- Press the ▤**Menu** key on your remote control to display the **Main Menu**.
- Use the ∧ and ∨ keys to highlight the **Set Up** option.
- Press the ✔**Select** key.
- Use the ∧ and ∨ keys again to highlight the **Settings** option.
- Press the ✔**Select** key.

The following screen is displayed:



The following sections describe each of the options available from the **Settings** menu.

## CONNECTION SETTINGS

This section allows you to specify how your Audio Server accesses the Internet.



Edit **Internet Access** to choose between **Ethernet**, **Modem** or **None** as the connection type and press the ⭘**Save** key to commit any changes you make.

### Edit Ethernet Settings

If you have selected **Ethernet** as your chosen **Internet Access** method, you will need to choose between **DHCP** and **Static** as the Ethernet **Mode**. Select **Edit Ethernet Settings** and specify **DHCP** as the **Mode** if your Audio Server is connected to a network with a DHCP server present, and the Ethernet settings should be assigned automatically. Alternatively, select **Static** as the **Mode** and a number of extra fields will appear on the **Ethernet Settings** screen:
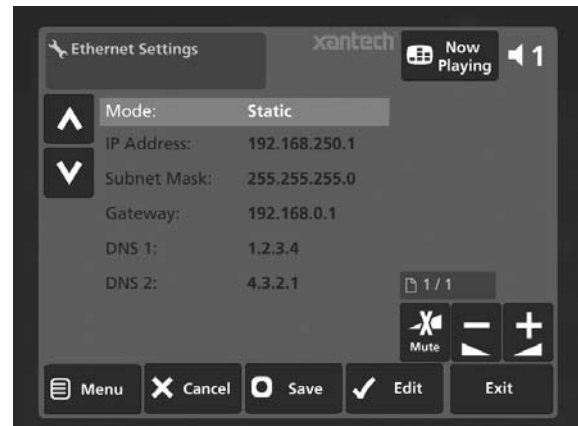


Enter your own Ethernet details in the **IP Address**, **Subnet Mask**, **Gateway** and **DNS** fields. Press the ⭘**Save** key to commit any changes you make.

### Assigned Ethernet Settings

Select **View Assigned Ethernet Settings** to see the current configuration of your Audio Server.
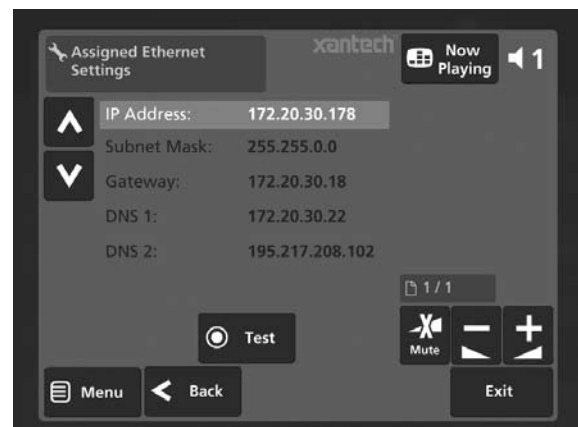


If you are experiencing difficulties connecting via Ethernet, or are prompted to do so by a member of the Xantech Technical Support Team, press the ◉**Test** key to perform a series of quick tests that may help diagnose network connectivity problems.

## Modem Settings

If you select **Modem** as your **Internet Connection** type you must then input your Internet Service Provider's details on the **Edit Modem Settings** screen.

**Note**: After making changes to any of the **Connection Settings** screens, you may be prompted to restart your Audio Server in order for the new settings to take effect.

## TV SETTINGS

This section is used to specify if your Audio Server is configured for PAL or NTSC use.

**Note**: your Audio Server will be set to **NTSC** by default. You may need to amend this setting if the TV user interface is not displayed, or displayed incorrectly on your television screen.

## USER INTERFACE SETTINGS

The options on this menu allow you to change the settings that affect the way the user interface is displayed.

Use this screen to select the language of the television user interface.

**Note**: The language of the front panel user interface cannot be changed.

This screen also allows you to enable or disable the hints that appear at the bottom of some of the screens in the user interface.

### The Screensaver

The Audio Server is equipped with a screensaver which will activate when the unit remains idle for a specified period of time. On this screen, you may choose to disable the screen saver or alter the time delay before it activates.

**Note**: It is strongly recommended that you leave the screensaver enabled if you are using a plasma or rear projection television to display the user interface.

## SYSTEM INFORMATION

The **System Information** screen displays information about the configuration of your Audio Server, such as the serial number and the version number of the software currently running.

You may need to quote this information if you contact your dealer or installer for technical support.

On this screen there is a also a **Reset System** option available by pressing the ⬜ key on the remote control. Select this option and press the ✔**Reset Defaults** key to return your Audio Server to its default factory settings. You can also choose the ⬜**Clear Content** option to remove all the music from your **Library**.

If you choose to clear all the content from your **Library** you will be asked to enter a password to confirm your action. The password is *ResetMyMusic*.

**Note**: If you perform either of the above two actions, you will not be able to reverse their effects.

## SOFTWARE UPDATE SETTINGS

In the unlikely event that a software update attempt fails, you may need to amend these settings. If this scenario arises, contact your dealer or installer for more information.
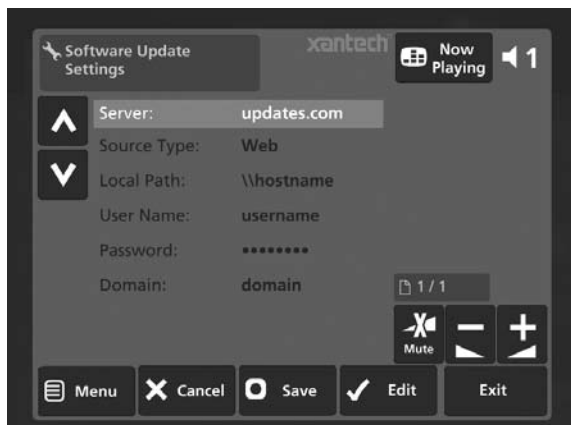
## NETWORK BACK UP SETTINGS

This screen allows you to specify **Username**, **Password** and **Network Location** for performing a Back Up operation.
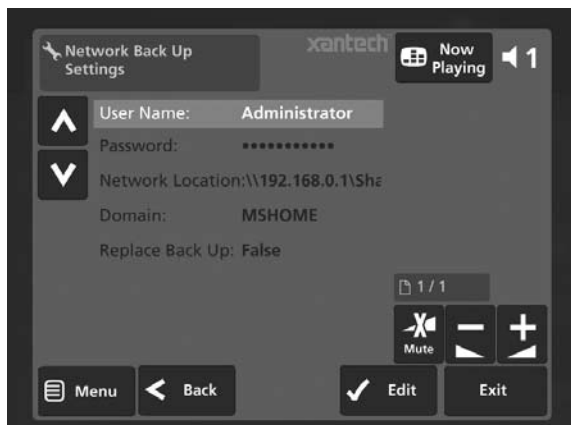
For more information about the use of these settings, refer to the section titled **Network Back Up And Restore**, on page 36.

## CD RECORD SETTINGS

On this screen you have the option to change the way in which your Audio Server records CDs.

Selecting **Maximum** as the **Drive Speed** will record your CDs at high speed. If you find this setting makes your Audio Server too noisy, select **Standard** for quieter but slower operation.

Choose between **Uncompressed WAV, Very High Quality MP3 (320k CBR), High Quality MP3 (192k VBR), Standard Quality MP3 (128k VBR), High Quality WMA (128k CBR)** and **Standard Quality WMA (96k CBR)** as the **Default Recording Quality** used by both the TV and front panel user interfaces when recording a CD.

The **Quick Record** option allows you to specify if your Audio Server displays the **Recording Quality** options each time a CD is recorded. By default this option is **enabled**. If you prefer to select the record quality each time you record a CD, change it to **disabled**.

With the **Auto Record** feature enabled, each time you insert a CD into the CD drive it will begin recording automatically. In addition, enable the **Auto Record Eject** function to have the CD automatically ejected when it has finished recording.

## MEDIA TRANSFER SETTINGS

Here you can enable or disable the media transfer function.

This option is enabled by default.

## XIVALINK SETTINGS

Your Audio Server uses a protocol called XiVALink to communicate with compatible devices and controllers.
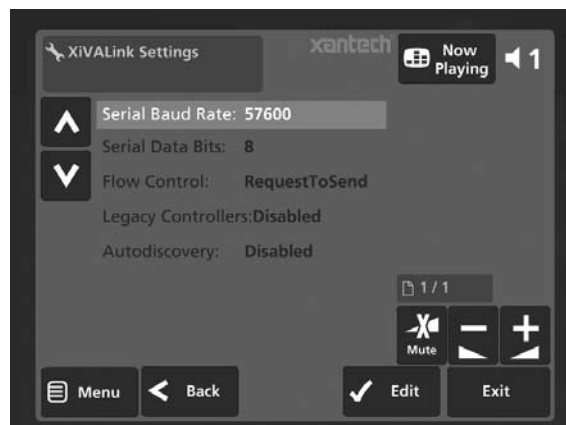
It is recommended that you do not attempt to edit these settings unless you are instructed to do so by your installer, or a member of the Xantech Technical Support Team.

## REMOTE DIAGNOSTICS

Your Audio Server is equipped with the ability to upload important diagnostic information to Xantech to assist in the event of a technical issue.
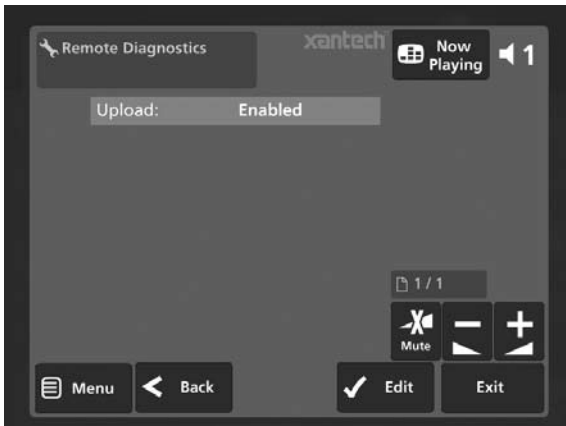
It is recommended that you do not attempt to edit this setting unless you are instructed to do so by your installer, or a member of the Xantech Technical Support Team.

# USING YOUR AUDIO SERVER WITH A HOME COMPUTER

Your Audio Server has a number of advanced features which can be accessed via a computer connected to your home network.

## THE REMOTE USER INTERFACE

Your Audio Server's television user interface is accessible via a PC running on your home network.  This gives you complete control of your Audio Server using a keyboard and mouse as opposed to a remote control.  This can help make editing items in the **Library** easier and quicker and also allows you to control your Audio Server from any computer running on your home network.

### Accessing the Remote User Interface

- Connect your Audio Server to your home network and power it on.  If no DHCP address is available, your Audio Server will automatically assign itself an IP address and become accessible on the network.

- Navigate to the **Current Ethernet Settings** screen in the front panel **Set Up** menu on the Audio Server and note the IP address.  If you are using DHCP this address will be in the same range as the other computers on your network; if not, this address will be in the range 169.254.0.1 - 169.254.255.254.

- Next, using a computer on the network, type the IP address or host name of your Audio Server into the address bar of a web browser (e.g. http://192.168.0.1 or http://<hostname>).  If you are not using DHCP you may need to reconfigure your computer's network settings before you can access the Remote User Interface.

If you experience any difficulties with the above configuration, contact your network administrator.

### Supported Software

Currently, the operating systems and web browsers supported are as follows:

On the Apple Macintosh:

- Mac OS X 10.4.2
- Safari 2.0.1

On the PC:

- Microsoft Windows XP (Service Pack 2)
- Microsoft Internet Explorer 6.0.2

**Note:** Other operating systems and web browsers, or earlier versions of the above, may not display the Remote User Interface correctly.

### Navigating the Remote User Interface

You will notice that the Remote User Interface is identical to the television user interface, but for the addition of some buttons.  These buttons have been added to allow you to perform actions normally executed with the Audio Server remote control, using a standard computer mouse.

When you first connect to the Remote User Interface, you will recognize the **Main Menu** screen:
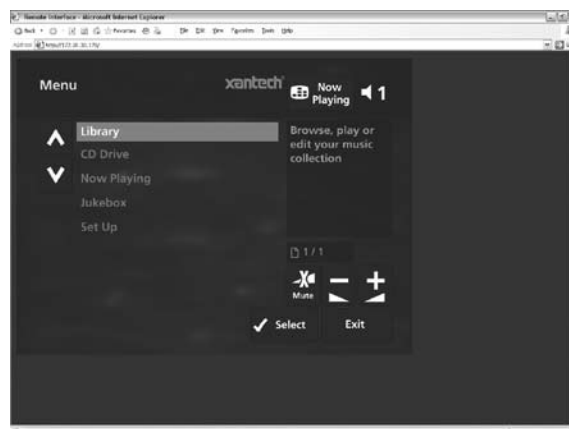


The screens of the Remote User Interface are identical to those of the television user interface but for the following differences:

- The ∧ and ∨ buttons now appear wherever there is a list that can scrolled.  You can use your mouse to press these buttons when you would usually use the ∧ and ∨ buttons on the Audio Server remote control.

- The functions of the main action keys on your Audio Server remote control, such as ▤**Menu**, ◉**Options**, ▯**Library** and ⊞**Now Playing** have been replaced by buttons on the screen.

- When required to edit or enter text, the Remote User Interface will display the text entry screen just as the television user interface does.  However, instead of using the alphanumeric keypad on your Audio Server remote control, you can use your computer keyboard to enter text.

You will also notice that playback transport controls are available on the left hand side of the **Now Playing** screen:



You can initiate and control playback from the Remote User Interface using these controls.

**Note:** If you make any changes to the **Connection Settings** via the Remote User Interface, such as changing the IP Address, you may need to reconnect using the new connection details.

## MEDIA TRANSFER

In addition to recording directly from the CD tray, it is also possible to transfer music and cover art images to and from your Audio Server, using a computer on your home network.  This feature allows you to transfer music files from your Audio Server to a portable device (for example, an Apple® iPod®) to allow you to listen to your music collection while you are away from home.

**Note**: In some countries the copying of material protected by copyright law may require permission of the copyright owners.

### Accessing Media Transfer

The illustration below shows a typical home network set up.  Connect your Audio Server to your home network as described in the section entitled **Accessing the Remote User Interface** on the previous page.

**Enabling Media Transfer**

• Press the ☰**Menu** key on your Audio Server remote control to display the **Main Menu**.

• Use the ⋀ and ⋁ keys to highlight **Set Up** and press the ✔**Select** key.

• Use the ⋀ and ⋁ keys again and choose the **Settings** option and then highlight **Media Transfer Settings** and press the ✔**Select** key.

The following screen is displayed:

This setting should be set to **Enabled** by default.  However, if necessary, press the ✔**Edit** key and select **Enabled** to activate media transfer.  Use the ⬤**Save** key to save this setting.

Provided that your Audio Server is connected correctly it should now be accessible by browsing the network from your computer.  Alternatively, open Windows Explorer and type the IP address of your Audio Server into the Address bar (e.g. \\<IP ADDRESS>).  When you attempt to access your Audio Server on your home network, you will be asked to enter a username and password.  These are as follows:

• Username - *Xmusic*

• Password - *Xmusic*

**Note:** The above username and password are case sensitive.

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 Server on the network and double-click the appropriate icon.

• If your Audio Server does not appear in the browse window return to the **Connect to Server** window and enter: smb://<WORKGROUP><Audio Server_NAME> (e.g. smb://MSHOME;Audio Server) into the **Server Address** box, then click the **Connect button**.

**Note**: Both the Workgroup and Audio Server Name should be in upper case.

• In the **SMB Mount** window click the **OK** button.

• In the **SMB/CIFS Filesystem Authentication** window enter the username *<username>* and the password *<password>* and then click the **OK** button.

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

At the top level of the media transfer directory structure are two folders entitled **MusicShare** and **Import**.

Internet          Portable Player

Computer

Router          Audio Server

Ethernet Connection

HOME NETWORK          Ethernet Connection
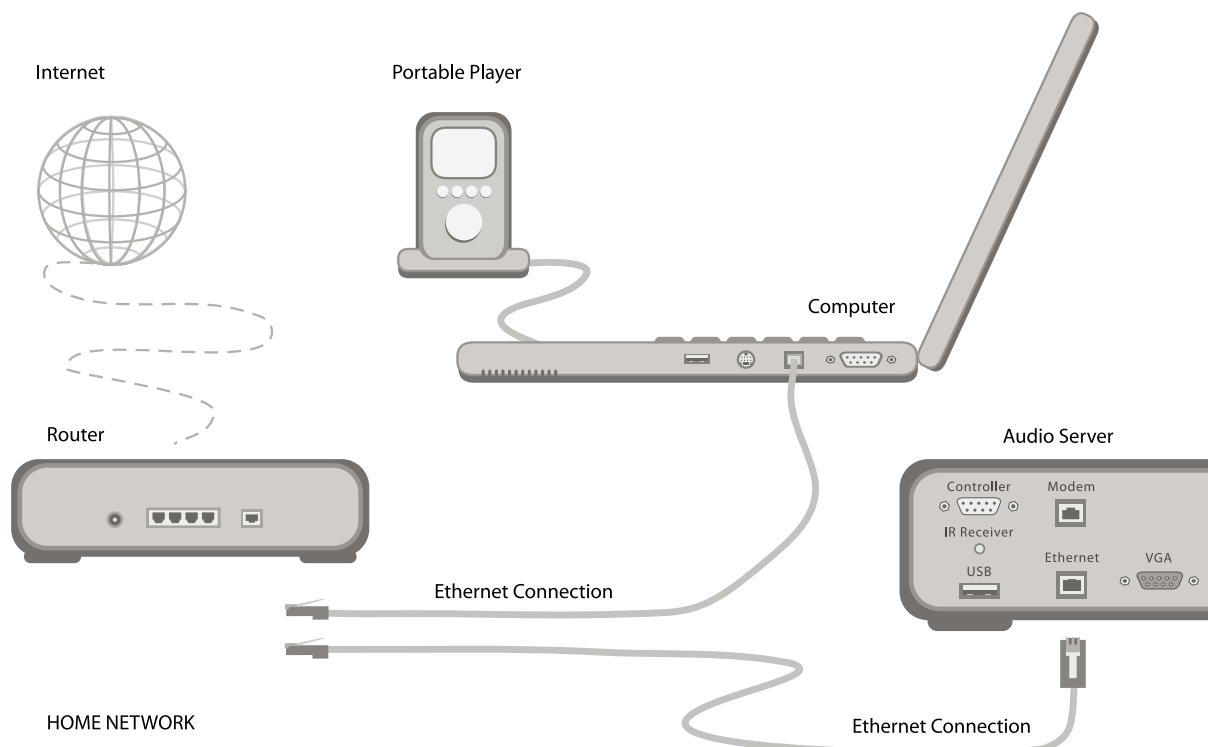
## Importing Files to your Audio Server

- Double click on the folder entitled **Import**.  An empty folder window will be displayed.

**To Import Music Files**

- Navigate to the location of the music files on your computer.
- Use your mouse to select the files you wish to import and drag them into the **Import** window.

The files will appear briefly in the **Import** window but after a few seconds will disappear.  These files should now be accessible in the **Library** of your Audio Server.

**Note:** The currently supported audio file types for import are **WAV**, **WMA** and **MP3** (WMA Lossless and DRM protected files are not supported).  Any files of an unsupported type that are dropped into the **Import** folder will not be imported.

**To Import Cover Art Files**

- Navigate to the location of the cover art files on your computer.
- Use your mouse to select the files you wish to import and drag them into the **Import** window.

The files will appear briefly in the **Import** window but after a few seconds will disappear.  These files will now be available when selecting cover art for an album in the **Library**.

**Note:** The currently supported image file types are **BMP** and **JPEG**.  Files will be resized automatically.  Any files of an unsupported type that are dropped into the **Import** folder will not be imported.

## Exporting Files from your Audio Server

- Double click on the folder entitled **MusicShare**.  A folder window will be displayed containing a folder for each artist present in the **Library** of your Audio Server.
- Double click on the folder for an artist.  A folder window will be displayed containing a folder for each album by the chosen artist present in the **Library**.
- Double click on the folder for an album.  A folder window will be displayed containing all the tracks within the album and a JPEG file containing the cover art for the album.

You now have read only access to these files and can drag and drop them to a location on your PC.  You are now also able to copy music from your Audio Server directly to your portable player.

## Transferring Music to your Portable Player using iTunes

The iTunes Media Player application is specifically designed to simplify the process of synchronizing 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 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.
- Making sure you have **Library** displayed in iTunes, navigate to your Audio Server on the network.
- Select the music you wish to transfer; you can transfer entire albums, or all the music by a particular artist, by dragging the relevant folder into the iTunes **Library** and releasing the mouse button.  To transfer the entire contents of your **Library**, drag the folder entitled **Albums By Artist** into the iTunes **Library**.

**Note**: the import process may take some time depending on the number of albums and the speed of your computer.

Once the iTunes **Library** source has been updated with the music from your Audio 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 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 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 Server hard disk will be grouped together using the label *<-Audio Server_NAME* (e.g. *<-XantechXMUSIC-1234*).
- 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 Server information.

**Note**: iTunes does not support WMA files.

## Transferring Music to your Portable Player using Windows Media Player

It is also possible to use Windows Media Player to transfer music from your Audio Server to your portable device.

- Firstly, make sure you can navigate to your Audio Server and view the music in your **MusicShare** folder.
- Display the **File** drop down menu and select **Add to Library**, followed by **Add Folder**.  In the Explorer window that appears navigate to your Audio Server on the network and select the music you wish to transfer; you can transfer entire albums, or all the music by a particular artist by selecting the relevant folder and clicking **OK**.  To transfer the entire contents of your **Library**, select the folder entitled **MusicShare**.

**Note**: the import process may take some time depending on the number of albums and the speed of your computer.

Once your **Media Library** has been updated with the music from your Audio 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.

## NETWORK BACK UP AND RESTORE

In the unlikely even that your Audio Server develops a fault or, for example, should you one day choose to upgrade to a larger hard disk, you have the option to back up the contents of your Audio Server's hard disk to a selected location on your home network and then restore this information at a later date.

In order to use **Network Back Up and Restore**, it is first necessary to configure the appropriate settings on your Audio Server.

•  Press the ▤**Menu** key on your Audio Server remote control to display the **Main Menu**.

•  Use the ⋀ and ⋁ keys to highlight **Set Up** and press the ✔**Select** key.

•  Use the ⋀ and ⋁ keys again to choose **Settings** and press the ✔**Select** key.

•  Use the ⋀ and ⋁ keys a third time to highlight **Network Back Up Settings** and press the ✔**Select** key.

The following screen is displayed:
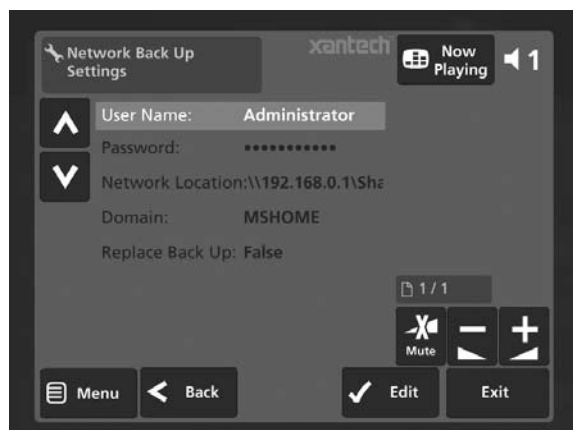


In the **Remote Location** field, enter the location on the network to which you wish to back up your **Library** (e.g. *\\192.168.0.1\Share*).  Enter **Username**, **Password** and **Domain** where appropriate to access your home network.

The **Replace Back Up** option can be set to **True** to overwrite any existing back up information in the specified location.

## Network Back Up

•  Press the ▤**Menu** key on your Audio Server remote control to display the **Main Menu**.

•  Use the ⋀ and ⋁ keys to highlight **Settings** and press the ✔**Select** key.

•  Use the ⋀ and ⋁ keys again to highlight **Network Back Up and Restore** and press the ✔**Select** key.

The following screen is displayed:



•  Press the ✔**Back Up** key.

## Network Restore

Prior to performing a **Network Restore**, it is necessary to clear all of the content from your **Library**, using the **Clear Content** function.

•  Navigate to the Settings menu and use the ⋀ and ⋁ keys to choose **System Information**.

•  Press the ◻**Reset System** key.

•  Press the ◻**Clear Content** key and confirm your intention by pressing the ✔**Yes** key.

•  Enter the password *ResetMyMusic* and press the ✔**Yes** key.

Your Audio Server will now automatically shut down and restart, erasing the contents of your **Library** in the process.  You are now in a position to perform a **Network Restore**.

•  Press the ▤**Menu** key on your Audio Server remote control to display the **Main Menu**.

•  Use the ⋀ and ⋁ keys to highlight **Settings** and press the ✔**Select** key.

•  Use the ⋀ and ⋁ keys again to highlight **Network Back Up and Restore** and press the ✔**Select** key.

•  Press the ◻**Restore** key.

•  Confirm that you wish to delete all of the existing music in your **Library** by pressing the ✔**Yes** key and entering the password *ResetMyMusic.*

**Note**:  When performing a back up, always ensure there is enough space available at the destination for the quantity of media being transferred.  In the event that there is not enough hard disk space, the back up will not complete successfully and the partially backed up files should not be used.

# APPENDIX A

## HDD AUDIO

| | |
|---|---|
| RC5 Control | 000 |
| Output 1 | 001 |
| Output 2 | 002 |
| Output 3 | 003 |
| Output 4 | 004 |

## TV

| | |
|---|---|
| ADMIRAL | 157, 146, 010, 125 |
| ADYSON | 111 |
| AIWA | 059 |
| AKAI | 001, 002, 003, 004, 005, 006, 007, 008, 151, 016, 009, 010, 011, 012, 013, 014, 015 |
| AKURA | 001, 002, 003, 004, 005, 006, 007, 008, 086, 018, 009, 010, 017, 013, 014, 015, 016 |
| ALBA | 017, 151 |
| ALBIRAL | 033 |
| AMSTRAD | 098, 105, 010, 047 |
| ANITECH | 001, 002, 003, 004, 005, 006, 007, 111, 008, 009, 013, 014, 015, 016 |
| ARC EN CIEL | 135, 139, 042 |
| ARISTONA | 031, 007, 146, 109, 154, 099 |
| ARTHUR MARTIN | 021, 118, 010, 120, 161, 011, 012, 121 |
| ASA | 157, 149, 146, 020, 022, 023, 095, 125, 132 |
| ASORA | 018 |
| ATLANTIC | 031, 041, 109, 119 |
| AUCHAN | 010 |
| AUDIOSONIC | 008, 086 |
| AUSIND | 021 |
| AUTOVOX | 031, 041, 020, 109, 074, 147, 022, 012 |
| BAIRD | 061, 036 |
| BEKO | 060, 001, 002, 003, 004, 005, 006, 007, 009, 013, 068, 014, 015, 016, 086 |
| BESTAR | 010, 086 |
| BLAUPUNKT | 085, 138, 143, 141, 087, 090, 091, 142, 119, 096 |
| BOSCH | 143 |
| BRANDT | 135, 107, 139, 042 |
| BRANDT ELECTRONIQUE | 107, 042 |
| BRION VEGA | 146, 147, 029, 148 |
| BROTHER | 008 |
| BRUNS | 108, 146 |
| BSR | 010, 158 |
| BUSH | 055, 010, 026, 158 |
| CENTURY | 146, 048, 097 |
| CGE | 138, 024, 010, 048, 158, 097, 077 |

| | |
|---|---|
| CIE | 098, 001, 002, 003, 004, 005, 006, 007, 009, 013, 014, 015, 016, 079 |
| CIHAN | 009 |
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Your next-generation XiVA™ home media appliance (your Audio Server) is powered by XiVA™ Software brought to you by Imerge Limited ("Imerge"). This agreement explains the terms and conditions that will apply to your use of XiVA™ Software.

### Definitions in this Agreement

"Imerge" or "we" means Imerge Limited (company registration number 03360764) whose registered office is at Bar Hill Business Park, Saxon Way, Bar Hill, Cambridge CB3 8SL England, United Kingdom;

"Software" means the XiVA™ Software on your Audio Server and related XiVA™ accessory software.

"Service" means the use of XiVA™ Software related services provided to you by Imerge, for example the registration service via the Internet.

"You", "your" and "yourself" means you, the person entering into this agreement with Imerge;

"Registration Data" means your name, address, postcode and telephone number (optional) or email address (optional).

### Service Charges

You will be responsible for the interoperability between your XiVA™ home media appliance (your Audio Server), your TV set and the public telephone service and all related charges.

### XiVA Software Privacy Policy

Imerge respects the privacy of your information and will handle any personal information you might supply to us when you register your Audio Server in accordance with the XiVA™ Software Privacy Policy. A copy of this Privacy Policy is included as a part of this document and forms part of these terms and conditions. Please read it carefully.

### Conditions of Use

You agree not to use the Software and/or Service in a way that may reasonably be expected to interrupt, disturb or impair the working of the XiVA™ Software Service. You will not insert or knowingly or recklessly transmit, distribute, upload or otherwise make available emails, software, data or files that contain a virus or corrupt data; seek unauthorized entry into back office; hack into any aspect of the Software or Service; knowingly corrupt data; circumvent, or attempt to seek to circumvent, any of the security safeguards of Imerge or any of its suppliers; make any business use of the Service; or assist any third party to do any of these things. By registering, you agree to these terms and conditions.

### Title to Software and Intellectual Property

Imerge retains title to and ownership of all the XiVA™ Software and intellectual property rights in Imerge authorised products and XiVA™ home media appliances and the Service. Imerge also retains ownership of all Imerge copyrights and trademarks. Except as expressly authorised by Imerge, you agree not to copy, modify, reverse engineer, rent, lease, loan, sell, distribute, sublicense, or create derivative works based on the XiVA™ Software, in whole or in part.

You agree not to access the XiVA™ Software Service by any means other than through the interface provided by Imerge or an Imerge Business Partner for use in accessing the Service.

### Indemnity

Neither Imerge nor any of its directors, employees or other representatives will be liable for damages arising out of or in connection with the use of the Software. Save in respect of liability for death or personal injury arising out of negligence, Imerge hereby disclaim and exclude to the fullest extent permitted by law all liability for any loss or damage whatsoever and howsoever incurred including any consequential, special, secondary or indirect loss or damage or any damage to goodwill or profits or any loss of anticipated savings incurred by you, whether arising in tort, contract or otherwise, and arising out of or in relation to or in connection with your access to or use of or inability to use the Service or any software or content supplied to you in connection with the Service, or in connection with any failure of performance, error, omission, interruption, defect, delay in operation or transmission, computer virus or line or system failure even if Imerge or its employees or agents are advised of the possibility of such damages, losses or expenses.

### Limitations of Imerge's Liability

In no event will Imerge or its suppliers be liable to you or any third party for any loss of profits, loss of data, loss of revenue, loss of or loss of use of software, loss of or loss of use of equipment, to which the Audio Server is connected, business interruption, or other indirect, consequential, special, or incidental damages of any nature arising from or relating to your use of the Software, even if Imerge has been advised of the possibility of such damages.  You understand that these limitations of Imerge's and Imerge's suppliers' liability are a fundamental term of this agreement.

### Changes to the XiVA™ Software Service

Imerge reserves the right in its absolute discretion at any time and without notice to users of the Software to add, remove, amend or vary features of the Software or Service, temporarily or permanently, or on notice to all users to discontinue the Service altogether at any time in its discretion. You agree that Imerge shall not be liable to you or to any third party for any modification, suspension or discontinuance of the Service.

Imerge also reserves the right to change the terms and conditions of this agreement. Such changes shall be effective upon notification by Imerge. You are responsible for viewing any new terms and continued use after notification will confirm acceptance of such changes.

### Invalidity

If any part of these terms and conditions are unenforceable (including any provision in which we exclude our liability to you) the enforceability of any other part of these terms and conditions will not be affected.

### Governing Law

These terms and conditions shall be governed by and interpreted in accordance with the laws of England and Wales whose courts shall have jurisdiction to resolve any disputes between us. The official text of this agreement shall be in English. In the event any dispute concerning the construction or meaning of this agreement, reference shall be made only to this agreement as written in English and not to any translation into another language.  If any provision of these terms and conditions is held by a court of competent jurisdiction to be contrary to the law then such provisions shall be construed as far as possible to reflect the intention of the parties and the other provisions shall remain in full force and effect.

### Entire Agreement

These terms and conditions set out the whole of the agreement relating to our supply of the Software and Service and shall supersede any prior agreements or representations in respect thereof. These terms and conditions cannot be varied except in writing, which can be delivered by electronic mail by Imerge. In particular nothing said by any sales person on behalf of Imerge or an Imerge Business Partner should be understood as a variation of these terms and conditions or an authorised representation about the Service or the nature and quality of items displayed thereon. Imerge shall have no liability for any such representation being untrue or misleading.

No person other than the parties to this agreement shall have the right to enforce any of its terms under the Contracts (Rights of Third Parties) Act, 1999.

These terms do not relate to your purchase of the XiVA™ home media appliance itself, which is governed by a separate warranty agreement provided by Imerge's Business Partner or their agent.

### Assignment

You shall not assign any of your rights or obligations under these terms and conditions without Imerge's prior written consent. Imerge shall have the right to assign or otherwise delegate all or any of its rights or obligations under these terms and conditions on notification to you.

### Waiver

Imerge's failure to exercise or enforce any of its rights under these terms and conditions shall not constitute a waiver of any such right.

**Notices**

Any and all notices to be given by either Imerge or you to the other under these terms and conditions shall be deemed sufficiently given when sent by email or facsimile transmission in each case addressed to you at the email address or facsimile number you have given us or to Imerge at the email address or facsimile number displayed at www.xiva.com

BY USING THE SERVICE, I CONFIRM THAT I HAVE READ AND UNDERSTOOD THIS ENTIRE AGREEMENT AND I AGREE TO ALL THE TERMS OF THIS AGREEMENT AS STATED ABOVE.

## XiVA™ Software Service Privacy Policy

Please read the following to learn more about our XiVA™ Software Service privacy policy and data-protection practices.

Imerge values the privacy of its registered users. We are strongly committed to protecting the privacy of users of our interactive products and services as well as to respecting the Data Protection Act 1998. Imerge will only collect and use personal information about you as specified below in accordance with this Policy.

The XiVA™ Software Service Privacy Policy discloses our privacy practices and contains detailed information about exactly how your personal information will be treated:

- Who are we?
- What information of yours do we collect?
- What do we do with the information we collect?
- Will Imerge share any of your personal information?
- How you can learn what personal information we have?
- What is the opt-out policy?
- What types of security procedures are in place to protect your information?
- Will Imerge change its policy?

**Who are we?**

Imerge Limited (Imerge) welcomes you as a XiVA™ Software user. We developed your home media appliance (your Audio Server) and it is 'powered' by our XiVA™ Software. Our company headquarters are located in Cambridge, United Kingdom and full details of how you can contact us can be found at the end of this document. The provision of goods, services and information to you may also involve our business partners and other carefully selected third party companies.

**What information of yours do we collect?**

When you register with Imerge, we need certain information – such as your name, address, postcode, and telephone number or email address - in order to provide service to you. Once you register with Imerge you are not anonymous to us. By submitting your information you agree to the use of that information as set out in this Policy. We may also use that information to let you know of additional products and services about which you might be interested.

In addition to the information you voluntarily provide by registering, Imerge will also collect technical information from your Audio Server on a regular basis, so that, in the event that you contact technical support, we will have information available to help diagnose technical issues. The file upload will take place no more frequently than once every seven days and will include the transfer of a number of small files pertaining to your system's performance. At no point will we gather any personal information, and the information we do gather will identify you to Imerge only, through the unique serial number of your Audio Server. This information will be stored on our secure server and will at no stage be made available to any third parties.

Please note that sending and receiving this information will necessitate sending small amounts of data over your internet connection. If you prefer to opt out of using this service, you can do so by altering the relevant setting in the software user interface.

**What do we do with the information we collect?**

We may use personal information collected about you to let you know about new goods, services or offers that you might find interesting; or functionality changes and enhancements to the Service, i.e. feature upgrades; or changes to our terms and conditions of use.

**Will Imerge share any of your personal information?**

Personal data will be collected, processed by Imerge and forwarded to the relevant Imerge Business Partner for the purpose of providing related services, as described earlier. However, Imerge will not trade, sell or rent your personal information (such as name, address, phone number, or email address) to third parties world-wide for targeted services or marketing purposes without your consent. And, we also protect your privacy by limiting employee access to the use of customer data. We may provide aggregate statistics about our sales, customers, music tastes, usage patterns and other site information to reputable third parties, but these statistics will not include any information that could personally identify you unless we have your consent.

Imerge reserves the right to access and disclose individually identifiable information to comply with applicable laws and lawful government requests, to operate its systems properly, or to protect itself or its users.

**How you can learn what personal information we have?**

You may send us email at: support@xiva.com or write to us at our headquarters address given at the end of this document. A nominal fee may apply to this request.

**What is the opt-out policy?**

You will be given an opportunity to select a level of privacy associated with your use of the Service during the registration process, to determine whether and under what conditions information entered during the registration process or collected subsequently may be shared with third parties. You can modify your selection at a later date by revisiting the relevant page, accessed via the menu screen – your changes will normally take effect within 60 days of your re-registration – alternatively you may send your request in writing to us at the address given at the end of this document.

**What types of security procedures are in place to protect your information?**

Imerge is committed to protecting the privacy of its customers and we have taken extensive measures to ensure that the information we gather from you will be secure and confidential. While we recognize that the Internet is not a completely secure medium of communication, Imerge has taken steps to safeguard the security of any information we collect from your XiVA™ home media appliance by using Pretty Good Privacy (PGP) technology which encrypts the information you input on your system before it is transmitted to us. In addition, we have strict security procedures covering the storage and disclosure of your information in order to prevent unauthorized access and to comply with the Data Protection Act 1998. This means that sometimes we may ask you for proof of identity before disclosing any personal information to you.

**Will Imerge change its policy?**

When you supply your registration data you consent to the collection and use of your information by Imerge as described in this policy. If we alter our Privacy Policy in any way we will notify you and will post those changes on our website: www.xiva-net. com so you can be aware of anything that may affect you in the way we collect, use or share information with others. If you do not agree to the changes in the Policy, in such event you should contact us promptly, in the absence of which the changes will be deemed accepted by you. You will be responsible for viewing any alterations to our Privacy Policy - a written copy can be requested from any of our Imerge offices.

**Contacting us**

If you have any questions or concerns about this Privacy Policy or the operation of the Service, you can contact us by email at: support@xiva.com, or by writing to the: XiVA™ Software Administrator, Imerge Limited, Unit 6, Bar Hill Business Park, Saxon Way, Bar Hill, Cambridge CB3 8SL, England, United Kingdom.

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- Separation of Components. The SOFTWARE is licensed as a single product. Its component parts may not be separated for use on more than one computer.

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- Product Support. Product support for the SOFTWARE is not provided by MS, Microsoft Corporation, or their affiliates or subsidiaries. For product support, please refer to Imerge Ltd. support number provided in the documentation for the DEVICE. Should you have any questions concerning this EULA, or if you desire to contact Imerge Ltd. for any other reason, please refer to the address provided in the documentation for the DEVICE.

- Termination. Without prejudice to any other rights, Imerge Ltd. may terminate this EULA if you fail to comply with the terms and conditions of this EULA. In such event, you must destroy all copies of the SOFTWARE and all of its component parts.

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