



HAI Music Gateway Operation Manual

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Regulatory Compliance Statements

FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions;

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to 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.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

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Safety Precautions

Users are strongly advised to adhere to the directions and recommendations offered in this manual. Failure to do so may result in problems during operation.

Use the following safety guidelines to help protect yourself and the

- Do not attempt to service the Music Gateway yourself.
- Always follow installation instructions closely.
- Make sure the correct voltage is being supplied before turning the power on.
- Use only the AC adapter and power cord that are approved for use with this unit. Use of another type of AC adapter may cause risk of fire or explosion.
- If you use an extension cable with the AC adapter, ensure that the total ampere rating of the products plugged in to the extension cable does not exceed the ampere rating of the extension cable.
- Do not install with the power turned on. Doing so may cause an electric shock.
- Do not install in a very humid environment. Doing so may cause an electric shock.
- Do not install in an area exposed to sunlight or heat. Doing so may cause deformation or damage.
- When you move the Music Gateway between environments with very different temperature and/or humidity ranges, condensation may form on or within the Music Gateway. To avoid damaging the Music Gateway, allow sufficient time for the moisture to evaporate before using the Music Gateway.
- When you disconnect a cable, pull on its connector or on its strain relief loop, not on the cable itself. As you pull out the connector, keep it evenly aligned to avoid bending any connector pins. Also, before you connect a cable make sure both connectors are correctly oriented and aligned.
- Do not remove the product cover. Doing so may expose you to a hazard like electric shock.
- Do not use in areas containing flammable materials like propane gas and gasoline or in areas that generate dust. Doing so may cause an explosion or fire.
- Do not dismantle, repair, or modify the product. Doing so may cause damage or an electric shock. Refer all servicing to qualified personnel.
- Do not use water, thinner, or organic solvent for cleaning the product exterior. Doing so may cause damage or an electric shock. Use a dry cloth instead and turn off the power before cleaning.

Disclaimer

- While every effort has been made to ensure that the information contained in this guide is accurate and complete, no liability can be accepted for any errors or omissions.
- HAI reserves the right to change the specifications of the hardware and software described herein at any time without prior notice.
- No part of this guide may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without prior written permission of HAI.
- HAI makes no warranties for damages resulting from corrupted or lost data due to mistaken operation or malfunction of the Music Gateway, the software, personal computers, peripheral devices, or unapproved/unsupported devices.

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Chapter 1

Introducing the HAI Music Gateway

Thank you for purchasing the HAI Music Gateway. The HAI Music Gateway is a music server/renderer with three independent stereo channels which can stream music throughout your entire home when connected to an HAI Hi-Fi or other audio distribution system.

Using an HAI OmniTouch 5.7e, 10p, or 10pe Touchscreen, you can browse and make music selections by album, artist, track, genre, or playlist. Album art and other music metadata is displayed with each selection.



The HAI Music Gateway also features WL3, HAI's home control and IP camera integration software. WL3 allows you to control your entire home automation system from any PC with a web browser or using mobile devices such as an iPhone™, BlackBerry™, Windows® Phone, or Android phone.

WL3 lets you record and play videos from IP cameras based on system events including motion, alarm, door openings, and much more. The Music Gateway is the perfect access point for all your needs.

Entertainment is just as convenient. Easily set up and load music to the Music Gateway from a computer. Store thousands of song titles on the internal hard drive. Album cover art is automatically loaded. Control song selection using the IP-based OmniTouch 5.7e, 10p, or 10pe Touchscreens.

Package Contents

After opening the box, ensure the following items are present:

- HAI Music Gateway
- AC Power Adapter
- Power Cord
- Operation Manual

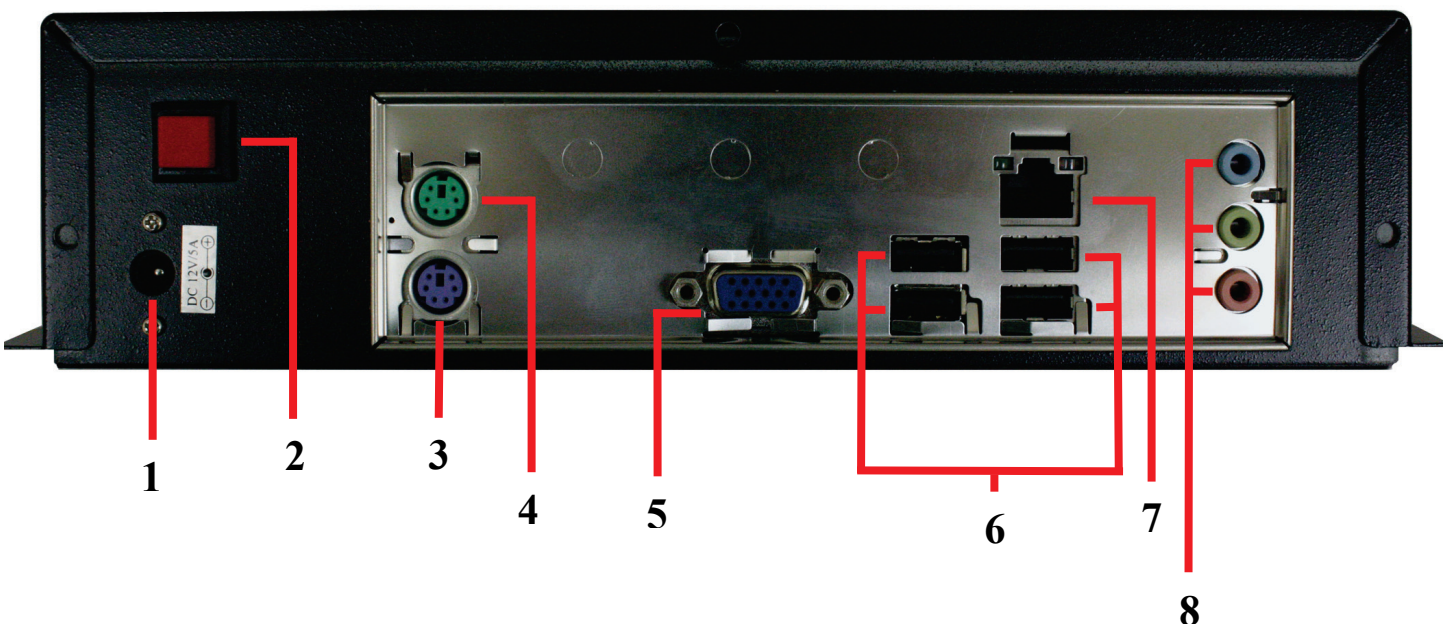
HAI Music Gateway Overview

This section describes the main components of the HAI Music Gateway.

Front View



Rear View



Front View Description

Number	Component	Description
1	Power LED	The Power LED is illuminated blue when the Music Gateway is powered up and running

Rear View Description

Number	Component	Description
1	Power Input Jack (DC)	Connect the supplied AC adapter to this jack to provide power to the Music Gateway
2	Power Button	Press this button to start (if currently off) or shutdown (if currently on) the Music Gateway
3	Keyboard Port	If necessary, connect a PS/2 keyboard to this port
4	Mouse Port	If necessary, connect a PS/2 mouse to this port
5	VGA Port	If necessary, connect a VGA external monitor to this VGA port
6	USB Ports (4)	If necessary, connect USB Type A peripheral devices, such as a USB keyboard and mouse, to the USB ports
7	Ethernet Port	Connect a standard network cable to the Ethernet Port and a port on the local network
8	Stereo Output Jacks	Connect a 3.5mm male stereo patch cable between each stereo output on the Music Gateway and an audio input on Hi-Fi or other audio distribution system  Channel 1  Channel 2  Channel 3

Connections to the Music Gateway

To operate the HAI Music Gateway, the following must be connected: Power, Audio Outputs, and a connection to the local network (LAN).

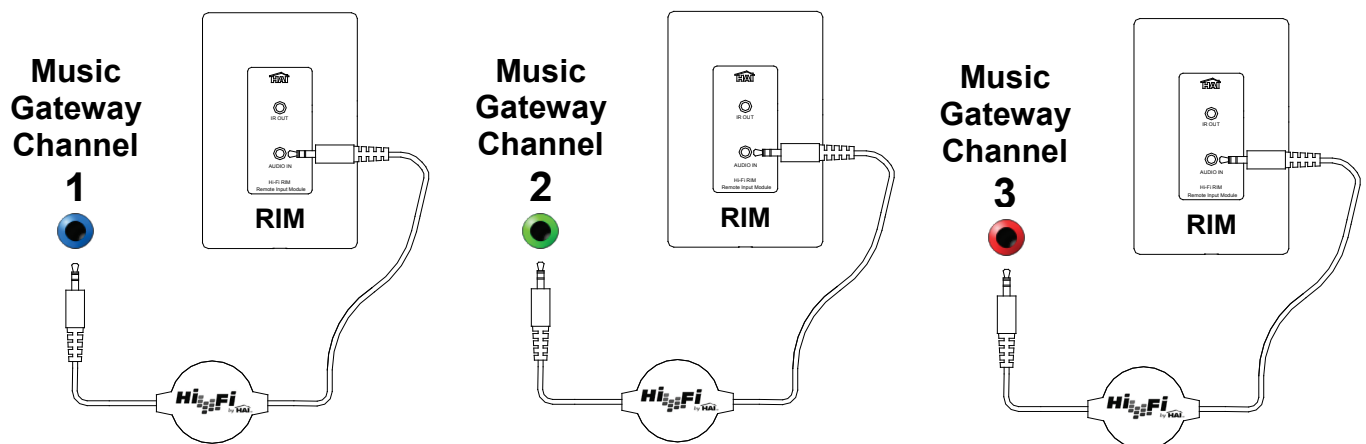
Connecting the Power

1. Plug the AC adapter cable into the Power Jack on the HAI Music Gateway.
2. Plug the power cable connector into the AC adapter.
3. Plug the AC adapter into an electrical outlet.

Connecting the Audio Outputs

1. Connect each output on the Music Gateway to an audio input (source input) on a Hi-Fi or other audio distribution system using a 3.5mm male stereo patch cable.

For example:



Connecting the Network

1. Connect a standard network patch cable between the Ethernet Port on the Music Gateway and a port (i.e. network switch, router, etc.) on your local network.

Chapter 2

Getting Started

A custom touchscreen design must be used to operate the HAI Music Gateway from an OmniTouch 5.7e, 10p, or 10pe Touchscreen. HAI Automation Studio must be used to enable and configure the HAI Music Gateway, assign each of the audio outputs to source inputs on the audio distribution system, and update each of the respective touchscreens with the new design.

Turning On

After installing and making all of the necessary connections to the HAI Music Gateway:

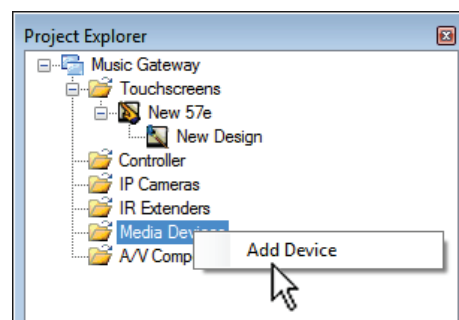
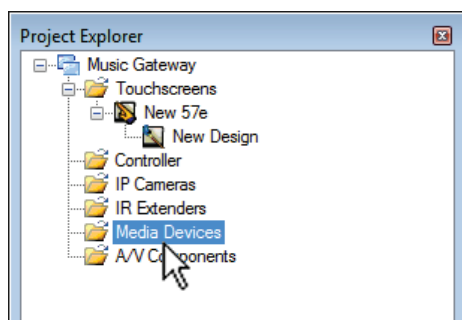
1. Turn on the Music Gateway by momentarily pressing the Power Button.
2. The Power LED should illuminate blue.
3. Wait about 1 minute while the Music Gateway boots up before trying to access it.

Enabling the Music Gateway

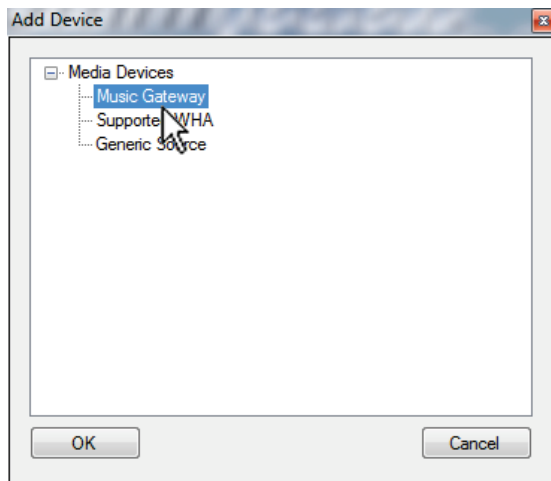
Using HAI Automation Studio, you must add the Music Gateway to your touchscreen design, add an audio distribution system, and assign the audio outputs of the Music Gateway to source inputs on the audio distribution system.

Adding the Music Gateway to the Touchscreen Design

1. Start HAI Automation Studio and create a new project.
2. Add a touchscreen design to the project.
3. In Project Explorer, right-click on Media Devices and select “Add Device” from the menu.

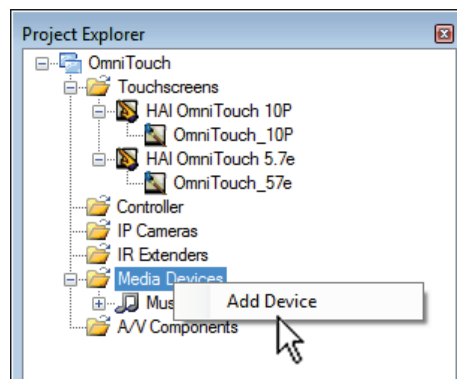
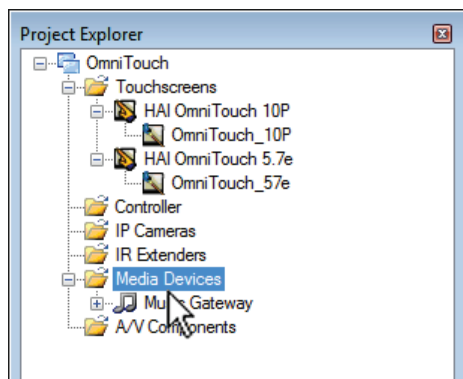


4. From the Add Device dialog, select “Music Gateway” from the Media Devices list.

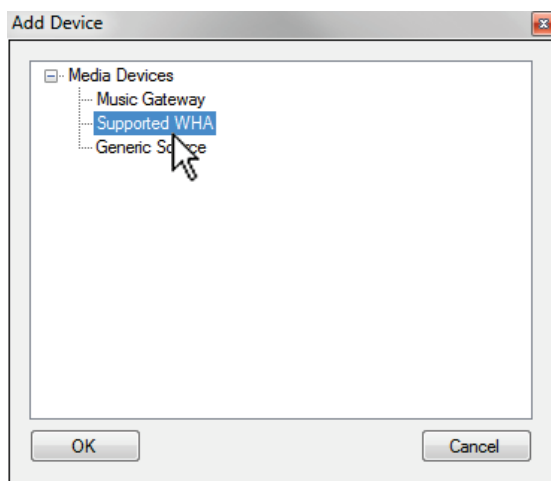


Adding an Audio System to the Touchscreen Design

1. In Project Explorer, right-click on Media Devices and select “Add Device” from the menu.



2. From the Add Device dialog, select “Supported WHA” from the Media Devices list.

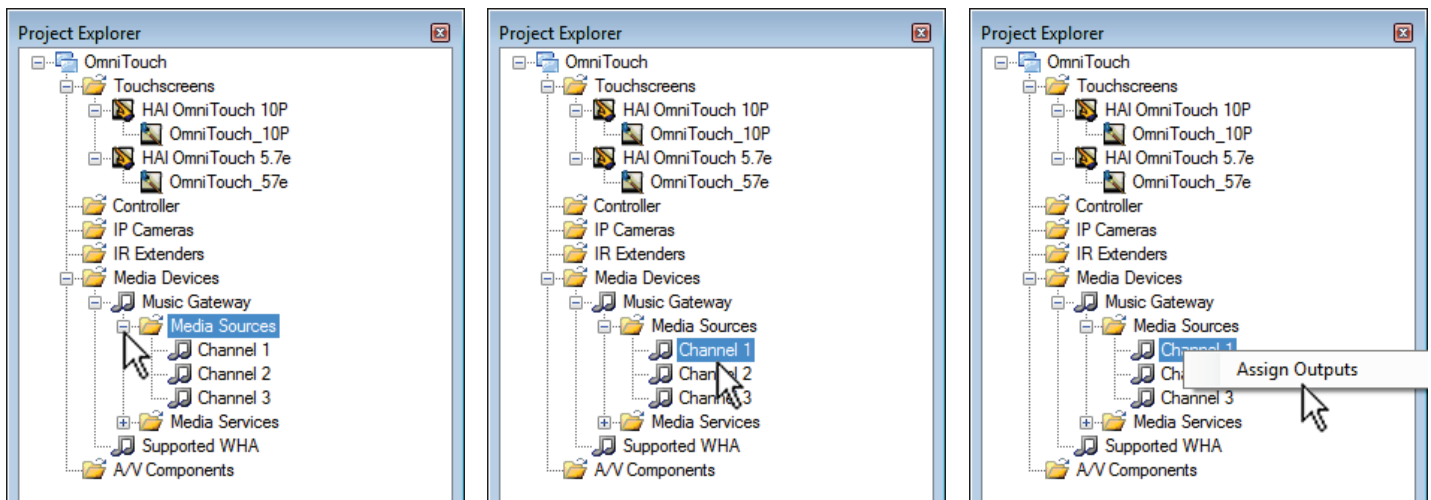


Assigning Audio Outputs

When a Music Gateway is added to the touchscreen design, two folders are automatically added:

- **Media Sources:** this is the audio outputs on the Music Gateway
- **Media Services:** this is the type of media available to the Music Gateway

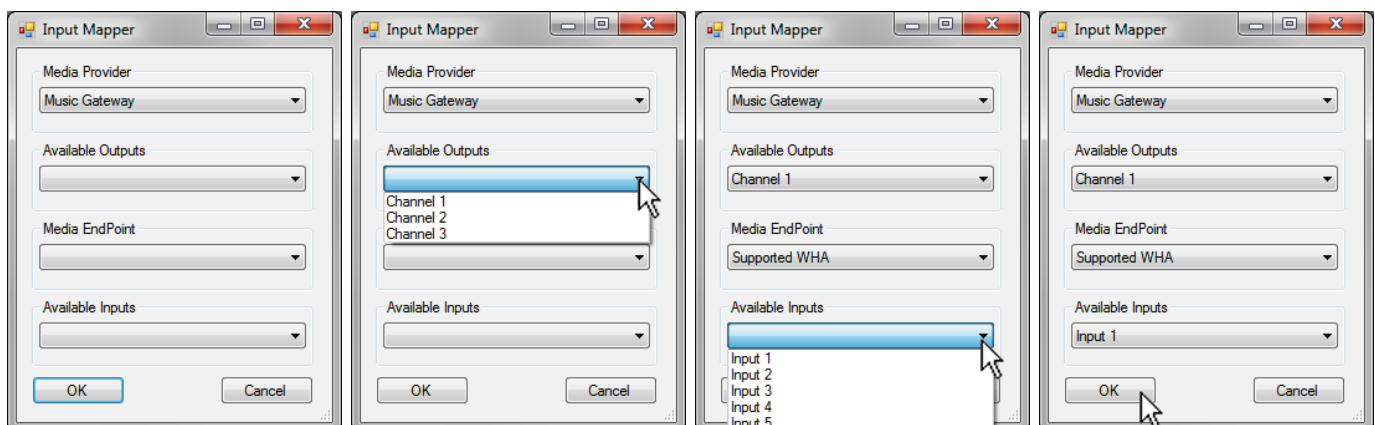
1. In Project Explorer, expand the Music Gateway device to display the Media Sources folder.
2. Expand the Media Sources folder to display the available audio outputs (channels).



3. Right-click on one of the channels and select “Assign Outputs”

4. From the Input Mapper dialog:

- a. Select the audio output that will be assigned (Channel 1, 2, or 3)
- b. Select the Media Endpoint (the audio distribution system)
- c. Select the source on the audio distribution system where the audio will be routed



5. When complete, press the “OK” button.

Chapter 3

Using the Interface

Using an HAI OmniTouch 5.7e, 10p, or 10pe Touchscreen, you can browse and make music selections by album, artist, track, genre, or playlist.

Accessing Your Music

From the Menu Bar on an OmniTouch 5.7e, 10p, or 10pe Touchscreen, select the “Media” icon.



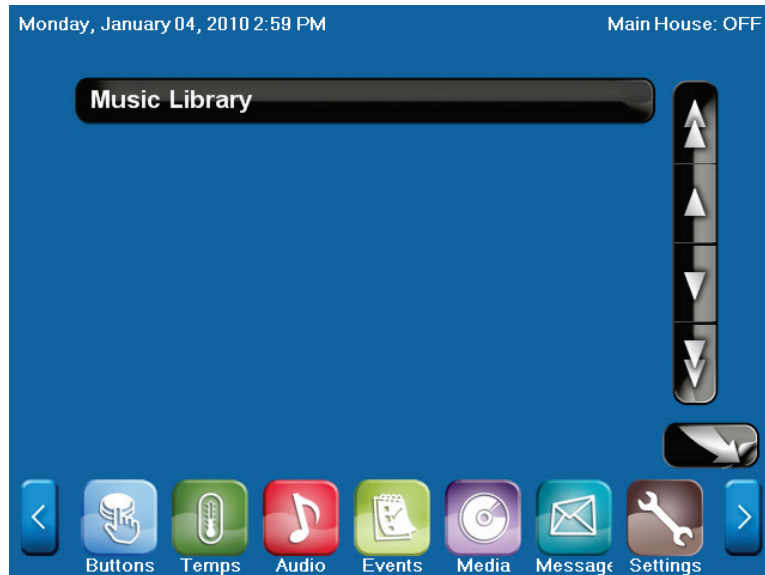
When the media button is selected, the Music Gateway media page is displayed:



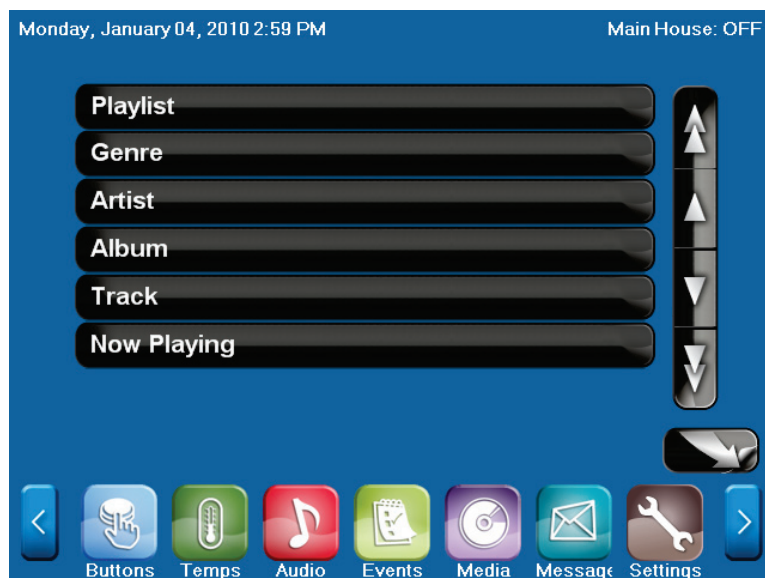
Browse the Media Library

To play music in your audio zone, select the music from the music library. To browse the Media Library for music:

1. Press the Browse button  to display the available media services:



2. Select the desired media service from the list. Once the media service is selected, you will be able to browse the available media.
3. At any time, you can press the back button  to return to the previous menu.
4. If the Media Library is selected, you will be able to browse your media my playlist, genre, artist, album, track, and Now Playing.



5. Select the desired method to browse the media.

For example, if Album was selected, a list of albums will be displayed.

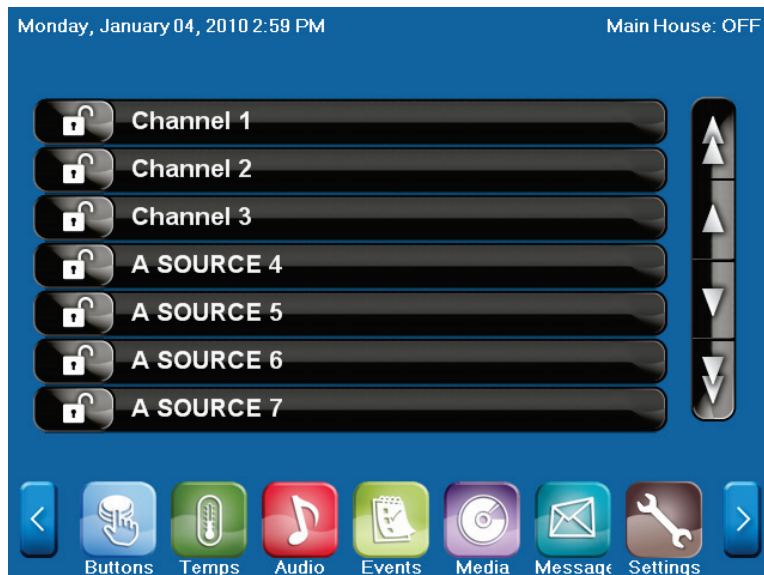


6. Select the album from the list to play the album immediately, or press the plus “+” sign to add the album to the Now Playing queue.

Selecting a new Music Source

To select a new music source for your audio zone:

1. Press the Source button  to display the available music sources:

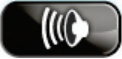


2. Select the audio output (Channel 1, 2, or 3) from the Music Gateway that you want to listen to or select from one of the other available sources.

3. Press the unlock icon to lock the source so that no one else changes the media for the locked channel. If you see a lock next to the source, you should not change the Now Playing media.
4. To unlock a source, simply press the lock icon.

Selecting a New Audio Zone

To select a new audio zone to control with the touchscreen:

1. Press the Zone button  to display the available music sources:



2. Select the audio zone that you want to control with the touchscreen.

