



Using the Wireless Music Bridge

Stream music to a room in the home from your mobile devices

Now you can control and stream music from your handheld Apple®* iPod®, iPod touch®, iPhone®, iPad®; Bluetooth®; Windows®; or Android® smartphone to one or more rooms in a Control4® system. The Control4 Wireless Music Bridge lets you and your family play your favorite Internet radio stations and music services, such as Pandora®, Spotify®, Rhapsody®, and many more, through a single zone from a Wireless Music Bridge. Purchase a Wireless Music Bridge for each room in the home to bring separate streams of music to the whole house. The Wireless Music Bridge connects to a Control4 4-Zone Amplifier, Multi-Channel Amplifier (8-zone), or locally-powered speakers.

After your dealer installs or updates your system to OS 2.5.0 and installs the Wireless Music Bridge, settle into a comfortable chair in your bedroom and listen to an old-time radio show or the sounds of Beethoven's Ninth while reading your favorite novel. Use your smartphone to select music tracks, adjust the volume, or turn off the music whenever you feel like it...without even leaving your chair. The power of audio control is in your hands.

What you need

Before you use the Wireless Music Bridge, make sure you have these things:

- A single Control4 Wireless Music Bridge connected to a Control4 4-Zone Amplifier or Multi Channel Amplifier (8-zone) for each zone
- A device that supports AirPlay®, Bluetooth® (for Bluetooth devices), or that uses DLNA® (Digital Living Network Alliance, for Android and Windows smartphones)
- Control4 Controller
- Control4 OS 2.5.0 or later

*For supported Apple® devices, you must be on the same network. This product is made for iPod touch 2nd generation, 3rd generation, 4th generation, and 5th generation; iPhone 4, iPhone 4s, iPhone 5; iPad, iPad 2, iPad 3rd generation, iPad 4th generation; and iPad mini.

Control4™

- Control4 touch screens or the Control4 MyHome™ app on your smartphones
- Wireless Music Bridge ‘discovered’ in Composer and added to a room (your dealer can help)
- Your smartphone must be on the same wireless network as the Wireless Music Bridge (AirPlay and DLNA only)
- A few minutes to read this guide

If you are missing any of the items listed above, contact your Control4 Dealer.

What you can control

- **Connect your smartphone, tablet, or touch screen to the Control4 system**—No special code is required to connect to the Wireless Music Bridge.
- **Choose the audio app to listen to**—Choose to play music, podcasts, and more from the music service app on your smartphone or tablet through your room’s speakers.
- **Adjust the volume**—Change the volume on your smartphone, tablet, or touch screen.
- **Disconnect one smartphone and connect another**—Your kids are tired of listening to your classical music from your iPad, and they want to switch to hip-hop music on their iPhone. The **Disconnect** button on a touch screen lets you disconnect a device that’s currently playing (for example, an iPad) and connect a different device, such as an iPhone.

Here’s how

Perform the following steps on your smartphone, tablet, or touch screen (as applicable). If you have any questions or encounter challenges along the way, contact your dealer.

To connect your smartphone:



AirPlay—For iPod, iPhone, iPad and MacOS devices, you must be on the same network as your device (password and login is required). Tap the **AirPlay** icon in the lower-right corner, and then select the **Wireless Music Bridge** to play through.



Bluetooth—For Bluetooth devices, pair the smartphone within 10 meters of the Wireless Music Bridge using Simple Secure Pairing (no code is required). Pair the smartphone when the Wireless Music Bridge is *not* connected to another Bluetooth device.



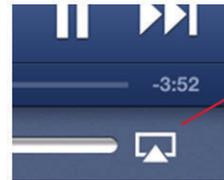
DLNA®—For Windows or Android-based phones, connect the phone using standard DLNA. The procedure is based on your DLNA-enabled device. See your dealer for specific instructions for your device.

After you connect, the Wireless Music Bridge icon is a source in **Listen** on your Navigators.

To play music stored on your iOS device (including iPhones, iPods, iPads):

- **AirPlay**

- 1 Be sure your iOS device is connected to the same network that your Wireless Music Bridge is on. Talk to your dealer for help or specific instructions.
- 2 Open the audio app you want to listen to (for example, Pandora, Spotify, or your stored music).
- 3 Start playing audio using the app you opened.
- 4 Tap the **AirPlay** icon in the lower-right corner of your screen.



Your Airplay icon is here. If you do NOT see this, you are not connected to your network. Check with your dealer.

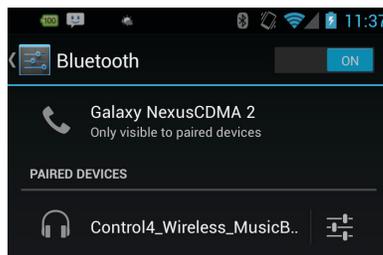
- 5 Select the Wireless Music Bridge's **name** (assigned by you and your dealer).
- 6 If your dealer set up the Wireless Music Bridge to automatically start, then you should start hearing music playing in the room/zone you've selected. Otherwise, you may need to go to the **Listen** menu on your Navigator and select the Wireless Music Bridge as a source to the room you are in.

- **Bluetooth**

The Wireless Music Bridge uses a Bluetooth Class 2 radio using A2DP (Advanced Audio Distribution Profile) to give you the highest possible audio quality. While this standard is very common, you must ensure that your mobile device is capable of supporting this Bluetooth Profile. See your mobile device specifications for details.

Because there are various ways to configure Bluetooth on a specific device, work with your Control4 Dealer to learn how to listen to music from your Bluetooth device. In general, you should be able to connect your mobile device in the following manner:

- 1 Place your phone or tablet into Bluetooth discovery mode, also known as pairing mode.



- 2 If no user is connected to the Wireless Music Bridge via Bluetooth, it will automatically be in pairing mode.
 - Your Wireless Music Bridge will show up with the name (assigned by you and your dealer) and a **-BT** added to the end.
 - If you cannot find your Wireless Music Bridge in your list, try these steps:
 - a Using the Navigator screen, find the Wireless Music Bridge you are trying to pair to and select it as the device. Press the **disconnect** button to force the Wireless Music Bridge into pairing/discovery mode.
 - b Make sure you are within 10 meters line-of-sight of the Wireless Music Bridge.
 - c Make sure your dealer did NOT disable Bluetooth in your Wireless Music Bridge.
- 3 Once you have connected your mobile device to the Wireless Music Bridge, open the audio app you want to listen to (for example, Pandora, Spotify, or your stored music).
- 4 Start playing audio using the app you opened.
- 5 Depending on your mobile device, you may need to select the Wireless Music Bridge as the audio end-point. In general, this is automatic, but this is device dependent. Your dealer can help you troubleshoot if there is a problem.

- **Windows or Android (using DLNA)**

Because there are various ways to configure DLNA on a specific device, work with your Control4 Dealer to learn how to listen to music stored on the Windows server or Android mobile device that supports the DLNA standards for your Control4 system.

The Wireless Music Bridge can play music files also stored on another DLNA-compatible product over the network.

To browse the media, you'll need a DLNA control point application. Many applications are available from your Windows or Android devices. The Wireless Music Bridge will display under the Renderer Access Control list of your DLNA control point application.

- **iTunes on OSX (Apple) and Windows (Microsoft)**

The Wireless Music Bridge can work with your personal computer through the iTunes interface using AirPlay. The advantage of this function is that all the music stored on your PC can play seamlessly through the Wireless Music Bridge and your Control4 system, allowing you to control your music from your PC.



NOTE: Ensure that your PC is configured as discussed below to help provide the best possible experience.

- **AirPlay**

- 1 Be sure your computer is connected to the same network as your Wireless Music Bridge. Talk to your dealer for help or specific instructions.
- 2 Open the iTunes application.
- 3 From the menu bar, select **iTunes > Preferences** (or **file > preferences** on Windows).
 - a Select the **Devices** icon at the top of the menu.
 - b Make sure the **Allow iTunes audio control from remote speakers** is checked.

This allows control of your iTunes music from your Navigators.



c Select OK.

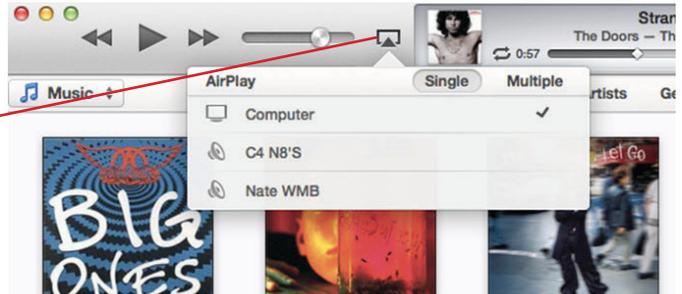
- 4 Tap the **AirPlay** icon next to the iTunes device controls (see the next figure).
Select the **Wireless Music Bridge** as the Audio End-Point.



NOTE: iTunes allows multiple end-points to be selected. Each Wireless Music Bridge can behave as a unique end-point and will have independent volume controls.

- 5 Select the Wireless Music Bridge's name (assigned by your dealer).

Your AirPlay icon is here. If you do not see this, you are not connected to your network. Check with your dealer.



- 6 If your dealer has set up the Wireless Music Bridge to automatically start, then you should start hearing music playing in the room/zone that was configured by your dealer. Otherwise, go to the **Listen** menu on your Navigator's screen and select the Wireless Music Bridge as a source in the room you are in.

- **Windows Media Player**

To stream music from a Windows PC using DLNA, the PC needs to be configured such that DLNA devices are recognized by the computer. The example below is taken from Microsoft's website on configuring Windows 7 for use with streaming (<http://windows.microsoft.com/en-US/windows7/Stream-your-media-to-devices-and-computers-using-Windows-Media-Player>).

To turn on Home Media Streaming:

If media sharing isn't already turned on, follow these steps:

- 1 Click the **Start** button.
- 2 Click **All Programs**, and then click **Windows Media Player**. If the Player is currently open and you're in Now Playing mode, click the **Switch to Library** button in the upper-right corner of the Player.
- 3 Click **Stream**, and then click **Turn on home media streaming**. The Turn on home media streaming option won't be available on the Stream menu if streaming is already on.
- 4 On the Media streaming options page, click **Turn on media streaming**. If you're prompted for an administrator password or confirmation, type the password or provide confirmation.
- 5 Click **OK**.



NOTES:

- (1) If your computer is on a public network, you will be prompted to change the network location before you can stream media. For more information about network locations, see "Choosing a network location" in Support at microsoft.com.
- (2) If you have set up a homegroup, you might be prompted to share your media libraries with your homegroup before you can stream media. For more information about sharing libraries with a homegroup, see "Share libraries with your homegroup" in Support at microsoft.com.

To stream media to a device using Play To:

You can use Windows Media Player to stream media, or play to, another computer or media device on your network.



For example, if you have a digital media receiver connected to your home network, Windows will automatically detect it and allow you to play music on it using Windows Media Player.

To play to another computer or device:

- 1 Click the **Start** button.
- 2 Click **All Programs**, and then click **Windows Media Player**. If the Player is currently open and you're in Now Playing mode, click the **Switch to Library** button in the upper-right corner of the player.
- 3 If the list pane is closed or if the Burn or Sync tabs are exposed, click the **Play** tab.
- 4 Find the items that you want to play in the Player Library, and then drag those items from the **details** pane into the **list** pane.
- 5 Click the **Play To** button at the top of the list pane, and then click the device on the network that will receive the media.
- 6 In the Play To dialog box, use the playback controls to play, pause, or stop the media stream, or to change to the next or previous item in the list.

For more information about the Play tab, the list pane, and playback controls, see *Getting started with Windows Media Player*. For more information about Play To, see 'Using the Play To feature to stream media' in Support at microsoft.com.



NOTE: When you stream music to a digital media receiver, you may not be able to switch tracks using the device controls or the remote control that came with the device.

Control4 device control functionality:

The Wireless Music Bridge provides commonly-used device controls, including Play/Pause, Skip/Next, Previous/Last, as well as Volume control. The device controls availability is dependent on the application being used, the device the application is running on, and whether AirPlay, Bluetooth or DLNA are being used. For DLNA, the Wireless Music Bridge acts as a digital media renderer (DMR), and therefore only has Play/Pause and volume control functions.

- **Volume control**

Use your device's slider or a Control4 touch screen to adjust the volume. In most cases, the Wireless Music Bridge should be configured with an amplifier or Audio Matrix Switch as an end-point. This allows independent control of the device volume and the room volume. Be sure to have both the device volume and room volume adjusted to appropriate levels when playing music. Your dealer can set the room volume to an appropriate level such that volume control from your device can act as the main volume control.

In general, adjust the device volume first. A nominal level, approximately 50-75%, should be appropriate, but this is dependent on the device type. Next, adjust the volume of your room to a comfortable listening level. At this point, you can now simply adjust the device volume and achieve an audible range that should be pleasing.

- **Play/Pause**

In most cases, Play/Pause can be passed between the device and the Control4 system. Always start the music from the device. It is NOT possible to start a music session from the Control4 system without initial startup/connection from a device. Once a session starts, the Control4 system can Play/Pause the current song. When a Pause command is received, the Wireless Music Bridge will remain connected to the device unless the device goes out of range of the Bluetooth/WiFi access points or the Auto-Off timer expires. The Auto-off timer is set by your installer.

- **Last/Previous and Skip/Next**

DLNA does NOT have this functionality due to limitations in DLNA technology as a Digital Media Renderer. AirPlay and Bluetooth commands should behave as expected, as long as the application allows these commands to be used.

To disconnect your smartphone:

- 1** To switch smartphones, go to a touch screen and tap **Disconnect** (right side). This disconnects the currently playing smartphone, or you can disconnect from the Wireless Music Bridge by disconnecting the music on your smartphone.
- 2** To add a different smartphone, connect the smartphone to the Wireless Music Bridge as described earlier in “To play music stored on your iOS device.”



NOTE: As with all WiFi products, Bluetooth performance and range varies based on environmental conditions. The Wireless Music Bridge uses a Class 2 Bluetooth transceiver, which provides up to 10m (33 feet) of range. Microwaves, other wireless signals such as 802.11 and ZigBee, and building structures can adversely affect signal strength and distance by which a wireless signal can be received.

Care should be taken when installing the Wireless Music Bridge to make sure location is taken into consideration, such that performance is optimized. The installer should work with the consumer to find a suitable location that best fits the consumer’s needs.

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