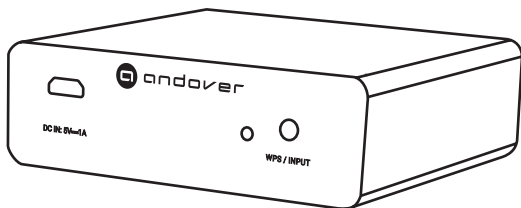


SONGBIRD

INTERNET MUSIC STREAMER



Introduction

Thank you for choosing Songbird to access the world of audio entertainment available from the Internet.

Songbird delivers high-resolution audio streams from some of the best Internet music sources such as Qobuz, Tidal, Amazon Music, and Spotify. As more services become available, they will be added through updates. In addition, thousands of Internet radio stations may be enjoyed via I-Heart Radio and Tune-in.

Songbird can also access content from any DLNA or AirPlay compatible device on your network, such as computers, servers, or network storage devices. You can also play content directly from your phone or tablet using AirPlay or Bluetooth. Although some content is free, you will be required to purchase a subscription from the content supplier for specific premium services or advanced features. Configuration of your DLNA device to allow sharing may be required.

System Requirements

- A WiFi router supporting the 2.4GHz 802.11b/g bands.
- A Smartphone or Tablet connected to the WiFi network running iOS 9.0 or Android 6.0 or newer.
- An audio system or powered speaker that accepts line level analog (Aux) or Optical (TOSLINK) digital input.

Setup


1. Download the **Songbird Control** app on the App Store for Apple iOS devices, or Google Play for Android.
2. Plug the OPTICAL OUT or AUX OUT from Songbird into the appropriate input of your audio system.
3. Connect Songbird to the 5V DC power adapter using the USB to Mini USB cable. Plug the Power adapter into a wall outlet.
4. Switch your audio system to the input you used for Songbird and choose a moderate volume in order to hear the voice prompts. Repeatedly press the WPS/INPUT button briefly until the LED next to the button is white.
5. Press and hold the WPS/INPUT button for 5-7 seconds until the LED flashes quickly. The voice prompt will say "ENTERING SETUP MODE". If no action is taken after 35 Seconds, the LED will

- flash slowly and the action will need to be repeated.
6. Open your Smartphone's WiFi menu and look for "Songbird-XXXX". Select this as your WiFi Network.
 7. Open the Songbird app and when prompted choose "ADD DEVICE". Follow the prompts from within the app to complete setup.
 8. When setup is complete, your phone will return to your original WiFi network settings and Songbird will be ready for use. You do not have to repeat the setup procedure each time.
 9. If you have difficulty with any of these steps, press and hold the WPS/INPUT button for approximately 45 seconds until you hear "Restoring Factory Settings". Release the button, wait until you hear "Entering Setup Mode" and try again.

Basic Operation

Now that Songbird is set up and connected to your network, it will appear in the DEVICE LIST page of the app.

1. Touch the device icon to enter the CONTROL PAGE for that device.
2. Touch the upper left corner of the CONTROL PAGE to enter the SOURCE PAGE. Your available sources will appear on this page. Select your source and follow the instructions for that source.
3. For SPOTIFY, Songbird may be accessed directly from within the Spotify app. Select "Devices Available", then touch the Available

Devices icon  on the lower left corner. Select the name you choose during setup on the next page.

Bluetooth Playback

1. Select "Bluetooth" within the Songbird app, or press the WPS/Input button on Songbird repeatedly until the LED turns Blue.
2. Go to the Bluetooth menu on your device and choose "Songbird-XXXX". The device will display "Connected" if successful. Once connected you can play from your device as you would with any Bluetooth speaker.

If you subsequently wish to connect to a different device, you must first disconnect the original device from Songbird from within that device's menu.

Multi-Mode Playback

Two or more Songbirds may be linked for synchronized play from Internet sources. Local sources such as Aux or Bluetooth can also be linked to other Songbirds in multi-mode, but they will not be time synchronized due to the inherent delay of WiFi.

Multi-mode linking instructions appear on the DEVICE LIST page within the app. Pairing and synchronization may take up to 30 seconds, depending on the speed of your local network. The number of devices in a group is limited by the performance of your network, and will vary with individual network utilization. Typical networks will support up to a maximum of 5 units. Inconsistent performance in Multi-mode operation may be caused by a weak WiFi signal, noise or interference to the signal, or excessive WiFi traffic from other high-traffic activities such as video streaming or gaming.

Computer Playback

Apple devices will easily communicate with Songbird using AirPlay. Once connected to your network, Songbird will appear as an output source in the "Sound" menu of your computer's operating system. Once you select Songbird here, it will appear as an airplay device within supported apps and may be selected as you would any AirPlay device.

Windows communicates with Songbird as a DLNA device. Certain apps such as Spotify or Audirvana will allow you to connect easily with Songbird from within the app. Other apps may require third-party DLNA server apps to communicate. Music files may be played from within File Explorer by right-clicking the file and selecting Songbird as your "Cast to" device. Your firewall and router settings must be configured to allow DLNA sharing.

You may also play back files from your computer, or another network share, by using the Songbird app on your phone under "My Music>Home Music Share" on the SOURCE PAGE. Your computer must be on, with your music library shared, and DLNA compatible music server software active on your computer.

Advanced Features

We believe that you will find the app intuitive and simple for most common operations. Refer to the Andover Audio website at www.andoveraudio.com to see additional instructions for advanced features.

Compliance Statements

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, 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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

IC Warning:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements FCC établies pour un environnement non contrôlé. Cet équipement doit être installé et exploité avec une distance minimale de 20cm entre le radiateur et votre corps.

Andover Audio, L.L.C.
15 High Street North Andover, Massachusetts 01845
www.andoveraudio.com
support@andoveraudio.com | 978.775.3670

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