



SoundBridge HomeMusic

Powered by Roku

Instructions

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English

Welcome

Thank you for choosing SoundBridge HomeMusic!! The development of this product was a lot of fun for us, and we hope that you will have just as much fun in using it. With SoundBridge, you can play back your digital music saved on your computer any time and in any room you want. SoundBridge also gives you access to over a thousand free Internet radio stations. We are continually working on improving the software. SoundBridge has a menu option for automatically checking for and installing software updates. After you have installed and set up SoundBridge, use this option as quickly as possible to make sure that you are using the most current version of the software (for more information, refer to the section "Initial Steps"). We also recommend that you register your purchase at www.pinnaclesys.com so that we can let you know when new upgrades are available. Have fun!

Register your SoundBridge! It is quick and easy and lets you download the latest software updates for your SoundBridge. Of course, your personal information will be kept confidential and will not be shared with any third party.

Downloading the Current Operating Manual

As soon as the software version of your SoundBridge changes, you can download an updated operating manual from www.pinnaclesys.com as well as from www.rokulabs.com/pinnacle.

Support

If you need help with your SoundBridge, please check www.pinnaclesys.com and www.rokulabs.com/support.

INITIAL STEPS

To be able to use your SoundBridge, the following requirements must be met:

- Compatible music server software must be installed. Compatible music server software is contained in iTunes, Windows Media Connect, Rhapsody, Musicmatch and other programs. If you are using iTunes, please install the Firefly Media Server from the installation CD included in the package.
- 2. If SoundBridge is to be connected to a wireless network which uses WEP encryption, the WEP password needs to be entered here using the remote control.
- 3. SoundBridge needs to be connected to active speakers, a hi-fi receiver or an amplifier.
- 4. The power unit needs to be connected to SoundBridge and to the power supply system (there is no On/ Off switch).
- 5. The batteries must be inserted into the remote control.
- 6. Music sharing must be enabled in the music server software:
 - a. Windows Media Connect: Add SoundBridge to the authorized devices. Firefly Media Server: Always enabled.
 - b. **Real networks Rhapsody** (this service is not yet available in Europe): Select "Enable Music Server" and "UPnP" in the menu Options -> Settings.
 - c. **Musicmatch**: "Enable Music Server" and "UPnP" in the menu Options / Play / Settings.
- 7. A music library must be selected and connected.
- 8. Internet radio must be available.

I. Music Server Software Requirements

SoundBridge has been developed as a playback client for several different music libraries, for example, Windows Media Connect, Rhapsody, Musicmatch and iTunes. SoundBridge also plays back WMA and DRM WMA (copy-protected files). These types of files can be purchased online from many providers. (Note: Apple policies forbid SoundBridge from supporting protected AAC files.)

What is "Music Server Software"?

SoundBridge is a network – music – player. This means that it doesn't save music but plays back files that are stored on your computer/music server on your home network. (SoundBridge can play back Internet radio via a direct Internet connection without a computer having to be connected.) In order to play back music stored on your computer, SoundBridge must receive the music data from software that "serves" the data to SoundBridge. This kind of "music server software" plays back the music on SoundBridge.

The "music server software" also sends title lists and enables search queries in the music library.

Perhaps you already have music server software installed and haven't noticed. Microsoft has developed its own music server software: Windows Media Connect. There is no real standard for music server software and therefore all the currently available programs have different functions. One great advantage to SoundBridge is that all the popular programs are supported by an easy to operate interface. The most popular music server applications are iTunes, Windows Media Connect and Rhapsody. If you would like to use the PlaysForSure music service, you need to use Windows Media Connect. If you would like to play back AAC files, you need to use iTunes combined with the Firefly Media Server, and if you would like to use the Rhapsody music service, you need to use the Rhapsody music server software (check the availability of Real Networks Rhapsody in Europe under www.Rhapsody.com).

Note: In order to play back Internet radio from the "Radio Favorites" list, you don't need music server software since SoundBridge receives the data directly from the Internet.

Music Server Software	Recommended for	Note
Windows Media Connect (UPnP Windows Media DRM 10 protocols)	Windows XP with Service Pack 2	Free music server software from Microsoft. Works with any music jukebox, but is optimized for Windows Media Player 10.
		Supports the entire user interface incl. search and browsing.
		Supports: MP3, WMA, WMA DRM, WMA lossless and playlists that have been created in a jukebox such as Windows Media Player.
Firefly Media Server (support for Roku server protocol)	PC/Mac	This high quality "open source" media server will serve music in many formats (WMA, MP3, AAC, FLAC, Apple Lossless). It integrates directly with iTunes and can share your iTunes music library, or any music library. As with all non-Apple products, it does NOT support protected AAC files. It does not support protected WMA files. It does support SoundBridge's full Browse, Search and Display feature set as well as playlists and Smart Playlists created in iTunes.
Rhapsody (proprietary Rhapsody protocol)	Rhapsody subscribers	Music server software that is required for the Rhapsody music service.

Music Server Software	Recommended for	Note
Musicmatch Jukebox (UPnP AV protocol)	Windows 98SE/ ME/XP/2000 (as of Service Pack 3)	Very popular music jukebox and music server software with integrated UPnP AV server that is supported by SoundBridge. Windows Media Connect in combination with Musicmatch can also be used - this extends the functionality. Supports: MP3, WMA,WAV, WMA DRM only in conjunction with Windows Media Connect.
SlimServer (SlimServer protocol)	PC/Mac	Compatible with SoundBridge, but is not supported by ROKU. Requires downloading the SlimServer software.

SoundBridge has two user interfaces. In order to use the entire SoundBridge user interface, which offers a search function and many browsing options, you need to use the Firefly Media Server or Windows Media Connect.

The other programs do not have the entire range of functions necessary to provide SoundBridge the data for the user interface, for example, some music servers do not support the search function. Software 2.x provides SoundBridge many ways to connect to a music library.

A. Instructions for installing Windows Media Connect and enabling music sharing:

- 1. If it is not yet installed, download and install the free Windows XP Service Pack 2 from Microsoft or use the Windows Updater to perform the update.
- 2. If it is not yet installed, download and install the latest version of the free Windows Media Player 10 from Microsoft or use the Windows Updater to perform the update.
- 3. Download and install the free music server software Windows Media Connect from Microsoft.
- 4. Then follow the instructions in Section II ("Connecting the Hardware").

Music sharing: Authorize SoundBridge as an allowed client for the Windows Media Player with the music server software Windows Media Connect. Click the system icon next to the clock to the bottom right. A list of all available clients is displayed. In the wizard window that now appears, click "ADD" to add SoundBridge; confirm this with OK. To make sure that SoundBridge appears in the list of authorized clients, check this again. Then exit the program.

B. Installing the Firefly Media Server and enabling music sharing

- 1. Install the Firefly Media Server from the installation CD included in the package or download the Firefly Media Server from www.fireflymediaserver.com.
- 2. Continue with the menu item "Enable Firefly Media Server".

Music sharing: It is not necessary to enable the Firefly Media Server for music sharing. However, the program must be running to be able to play back music from your SoundBridge.

C. Instructions for installing Rhapsody and enabling music sharing

- 1. If it is not yet installed, download and install the Real Networks Rhapsody client (download from www.rhapsody.com)
- 2. Then follow the instructions in Section II ("Connecting the Hardware")

Music sharing: Start the Rhapsody program. In the menu item OPTION, select the sub-item USER SETTINGS and click the UPnP tab. Click START to start the UPnP server. The "Start UPnP server once logged in" option automatically starts the UPnP music server as soon as Rhapsody is opened.

D. Instructions for installing Musicmatch Jukebox and enabling music sharing

- 1. If it is not yet installed, download and install the Musicmatch Jukebox from www.musicmatch.com.
- 2. Then follow the instructions in Section II ("Connecting the Hardware").

II. Connecting to the Hardware to Your Home Network

Example: SoundBridge HomeMusic

Wireless connection: No additional hardware needs to be installed. The connection can only be made via a router or access point (network mode).

Note that not all wireless access points and routers are compatible with SoundBridge. The Web sites http://www.pinnaclesys/support and www.rokulabs.com/support provide a list of all supported wireless CF adaptors.

III. Connecting SoundBridge to Loud Speakers or a Stereo System

There are several ways of establishing an audio connection to SoundBridge.

1. SoundBridge HomeMusic cabling with active loud speakers:

Connect to active boxes using the audio cable included in the package (3.5 mm jack), or via the 3.5 mm audio connection on the active loud speakers:



2. SoundBridge HomeMusic cabling with stereo system

Connect to the AUX jack or another "Line IN" jack using the cinch (white/red) audio cable included in the package:



IV. Connecting SoundBridge to the Wall Socket

Insert the power plug into the SoundBridge socket; insert the other end into a power socket. **Note:** SoundBridge does not have an On/Off switch. After you connect the power cable, you see the welcome window for "SoundBridge" after a short time. If not, cancel the operation and make sure the power supply is correctly connected at both ends. Please make sure that the power supply (remove the power plug from the socket outlet) is disconnected before connecting the cable or wireless adaptor. In order to avoid disturbances due to static buildup, make sure that both covers are snapped in as soon as SoundBridge is connected to the socket outlet.

V. Using the Remote Control

First insert the two AAA batteries (micro-cells, included in the package) into the remote control. Then point the remote control at SoundBridge (make sure that the receiver is not covered).

Remote Control Functions

Button	Name	Function
$\wedge \uparrow$	Up / Down	Navigates through available selections in the list.
\leftrightarrow	Left/Right	"FastBrowse." When browsing for an artist alphabetically, you skip from one letter of the alphabet to another.
1	Select	Selects any item shown on the SoundBridge display. Pressing Select is like clicking your mouse on a highlighted item.
•	Play	Begins playing current selection.
II	Pause	Pauses currently playing song.
+	Add	Adds current selection to your Song Queue.
♠	Home	Takes you to the Source or Home Menu.
Q	Search	Displays text based search options.
0	Browse	Browse through songs by title, artist, album, composer or genre.
t	Exit	Takes you one step backward and works like the Back button on your Internet browser. Pressing Exit repeatedly displays information about the song currently playing.

	Standby	Stops playing the current selection and puts SoundBridge Radio in standby mode.
	Adjust Display	Adjusts brightness and size of display information when used with Up/Down and Left/Right buttons.
∢))	Volume	Adjusts the volume.
>> 44	Next/Previous Track	Moves you forward or backward in your Song Queue, one song at a time.
×	Shuffle	Plays Song Queue in random order.
ŝ	Repeat	Continuously plays back your Song Queue.
(i))	Internet Radio	Searches for Internet radio stations.
	Server	Returns you to the last music server accessed.

VI. Establishing a Network Connection

Wireless (Wi-Fi) Network

If your home network is a wireless network and no WEP security keys have been set, the connection to your wireless network is established automatically. If your SoundBridge finds more than one wireless network, you will be prompted to select the SSID (network ID).

If you have a security key, you need to manually enter your WEP key into SoundBridge. This is the same key that you entered in your access point and your computer. Your display should show something similar to the following:

No music libraries found (why?)

System Configuration

Use the arrow to move the contents of the window on the screen upwards until the system configuration is highlighted and then press **Select** on the remote control. The following screen is then displayed:

Software version & updates Show Ethernet status Show Wi-Fi status

Select Wi-Fi SSID & password

Go down to "Select Wi-Fi SSID & password" and select the name and password of your wireless network.

Personal Firewall

If you have problems establishing a connection and a firewall is installed on your computer, the firewall must be configured in such a way that your music server can access and play back your audio files.

VII. Select Music Library

Once SoundBridge is successfully connected to your network and your server's music sharing options are enabled, SoundBridge will automatically find any supported music libraries on the network. You will be prompted to choose the library you would like to access from a screen that looks something like the one on the left:



Navigate to your preferred library (in this example, "Joe's Music") and press **Select**. You will then see the "Home Menu" (see above at right), where you can begin browsing and playing your music.

To change to a different library, or to play Internet radio, select the "Change Library or Configuration" option located at the bottom of SoundBridge's Home Menu (accessible by pressing the **Home Menu**.

Hint: SoundBridge will automatically connect to the last library you were connected to when awakened from Standby. Use the "Change Library or Configuration" option to select a different library.

Remote Control Quick Reference

Use these commands on your remote control to select and play music:

- Use the Up and Down arrow buttons to take you through a list item by item. Use the Select button to take you one level down into the highlighted item (think of it as doubleclicking a selected item).
- Use the **Left and Right** arrow buttons to "fast browse" a list of music options by skipping to the next or previous letter of the alphabet, or if your list is not arranged alphabetically, by about 5% of your list at a time. Then use the **Select** button to choose an item to play.
- Use the **Back** button to go one step backward while browsing, much like the Back button on your Internet browser. (Pressing Back repeatedly displays the "Now Playing" screen, with information about the song currently playing.)
- The **Search** button takes you to your text-based search options (if supported by your music server).
- When you find a selection you want to play, you can use the **Play** button to play it, or the **Add** button to add your current selection to the end of your Song Queue.
- The **Pause** button pauses playback of audio currently playing; pressing again resumes playback.
- The **Next Track** and **Previous Track** buttons advance or retreat playback of your Song Queue (or Internet Radio menu) one song at a time.
- Press the Home Menu button at any point to return to the beginning menu.

VIII. Internet Radio

You can listen to Internet radio in one of two ways. First, you can listen to SoundBridge's builtin set of radio stations located in the "Internet Radio" Library. Your computer does not need to be on - all you need is an active Internet connection on your home network. Second, you can enter a URL of a radio station playlist on the Internet Radio tab of the SoundBridge web page. The easiest way to play Internet radio on SoundBridge is through the "Internet Radio" Library, where you can access a large and growing number of Internet radio stations, browseable by Name, Genre, Language, and Location. To navigate to the "Internet Radio" Library, follow these steps:

- 1. Press Home Menu. Navigate down to "Change Library or Configuration" and press Select.
- 2. Your available music libraries will be displayed, including the one named "Internet Radio." Select that library and you will see a list of Internet radio stations. These are your Presets, and they are pre-loaded when your SoundBridge is first set up. See below for more information on how to edit these Presets.
- Scroll to the station you want to play and press Play. (Alternatively, you can press Select Select and choose "Get Station Info" to view the genre/format of the station, its language and location.)

When the station is playing, the "Now Playing" screen looks similar to this:

Michelle Shocked — Black Widow

http://www.radioparadise.com

RadioParadise.com

The song and artist information is provided by each Internet radio station. Therefore, it may not be available for every Internet radio station, or it may look slightly different.

Browsing Internet Radio Stations

You can browse SoundBridge's built-in stations by Name, Genre, Language or Location. From anywhere in the Internet Radio Library, press **Home Menu**. You will see the following options:

My Favorites Browse Play Preset Show Now Playing

Select "Browse" and choose the method of browsing that you prefer:

Browse Names Browse Genres Browse Locations (by country of origin) Browse Languages

Hint: You can "Fast Browse" a list of results by pressing the **Left/Right** arrows on your remote; your results will skip to the next letter of the alphabet.

Choose your desired browse option and press **Select**. Scroll down to the station you would like to hear and press **Play** (or **Select** twice) to begin playback.

Customizing Favorites and Presets for Internet Radio

There are two ways to save Internet radio stations for easy playback.

The first way has already been discussed, and that is to save the station as a Preset. Whether the station was found by browsing SoundBridge's built-in Internet Radio Library, by playing it from music server on your computer, or by entering it manually on the web page, it can be stored in a Preset slot and played back easily via the "Play Preset" command.

The second way is to mark a station from the built-in Internet Radio Library as a favorite. When a station is marked as a favorite, it appears in the "My Favorites" list in the Internet Radio library, but does not use up one of the 18 Preset slots.

Note: If a station is saved as a Preset, then it is assumed to also be a "favorite", and will always appear at the front of the "My Favorites" list.

There are several important differences between Presets and My Favorites:

- Presets are accessible from any Library, while My Favorites only appear in the Internet Radio Library.
- My Favorites may only contain stations found by browsing the Internet Radio Library. Presets may contain stations from the built-in library or entered via the web page.
- Presets can recall content other than Internet radio stations, like playlists or selections that you have browsed to from SoundBridge (such as all songs by a particular artist, etc). My Favorites include only Internet radio stations.
- When displaying My Favorites, Internet radio station Presets are also included at the beginning of the list.
- Presets can be programmed and played from the preset web page Presets can be programmed as discrete commands on a custom remote control. (For more information about customizing your remote for SoundBridge control and a pronto CCF file, please visit the Support section of our web site.)

To save an Internet radio station to My Favorites:

- 1. From the "Internet Radio" Library, Scroll down to the "Browse" menu item. Navigate to the station you would like to save.
- 2. Press Select, then press the Down arrow to display these options:

Play [Station name] Get Station Info Add Station to My Favorites

 Scroll down to the option "Add Station to My Favorites" and press Select. You will see the message "Station added to your favorites". Next time you view My Favorites, you will see that station displayed in the list. You can also save a station to My Favorites while it is playing. Simply press **Select** to display these options:

Get info for "[Station name]" Play Preset... Save Preset: [Station name] Add Station to My Favorites Stop Select the option "Add Station to My Favorites" and press **Select**.

Note: Only stations that you have accessed via the browse feature in the Internet Radio Library can be saved to your Favorites. Stations that are played from a URL manually entered as a Preset cannot be saved to your Favorites.

To save an Internet radio station to your Presets:

Play a radio station and press Select. You will see the following list of options:

Get info for "[Station name]" Play Preset... (this displays a list of your 18 presets) Save Preset: [Station name] Add Station to My Favorites Stop

Select the option "Save Preset: [Station name]" and press **Select**. Scroll down to the position you want to replace and press **Select**. Next time you view Presets, you will see that station displayed in the position you have chosen. You will also see Presets displayed first in the list of My Favorites.

Playing Stations Saved as "My Favorites" or "Presets"

From anywhere in the Internet Radio Library, press the **Home Menu**. Choose the "My Favorites" option. You will see a list of your Internet radio Presets followed by your Favorites. Navigate to the station you would like to play and press **Select**. You will have the option to play it, get station info, or "Remove station from My Favorites".

You can also just press the **Down** arrow on the Now Playing screen of an Internet radio station. Since there is no Song Queue when listening to Internet radio, this shortcut takes you directly to My Favorites. If the currently-playing station appears in My Favorites, it will be marked with the speaker icon.

To play your Presets, you can also choose the Play Preset option from the Home Menu of any music library (not just the Internet Radio Library). Choose the station you would like to play, then press **Select**.

Playback Limitations of Internet Radio Streams

SoundBridge currently supports MP3 and WMA Internet radio stations. RealAudio and AACplus stations are not supported at this time. However, stay tuned for additional formats that may be supported in future software releases.

Unfortunately, there are few standards in Internet radio (especially for MP3 stations), and sometimes a station will do something out of the ordinary that will prevent SoundBridge from being able to play it. See our online document at www.rokulabs.com/support/internetradio.php for more information.

Discovering More Internet Radio Stations

Our online user forums have an active discussion dedicated to helping SoundBridge users find good Internet radio stations in a variety of genres. Visit our Forums (accessible from www.rokulabs.com/support) and look for the discussion topics related to Internet radio stations if you would like to find more stations in a particular genre or would like to suggest a station or offer help to others on this topic.

APPENDIX 1: END USER SOFTWARE LICENCE AGREEMENT

IMPORTANT — READ CAREFULLY: By using the software in your SoundBridge, you agree to be bound by the license terms and conditions below. If you do not agree to these terms and conditions, you must immediately return your SoundBridge in its original condition and packaging to the point of purchase for a refund of your purchase price (after inspection).

Roku Software License

Subject to these terms and conditions, ROKU grants you a non-exclusive license, with no right to sublicense, to execute the software included with the SoundBridge or subsequently provided to you by ROKU (together, the "Software") on your SoundBridge solely for your personal use of the intended features and functions of the SoundBridge. The license may be transferred only with the transfer of the SoundBridge on which ROKU has installed the software; any transferee will be subject to the terms and conditions of this license. This license will terminate automatically, without notice, if you fail to comply with the terms and conditions, including the restrictions, of this license.

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Third Party License Information

Soundbridge includes AES code Copyright © 2003, Dr. Brian Gladman, Worcester, UK.

This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.

APPENDIX 2: PROCEDURES AND SAFETY

Important Safety Instructions

- 1. **Read Instructions.** All the safety and operating instructions should be read before the product is operated.
- 2. Retain Instructions. The safety and operating instructions should be retained for future reference.
- **3.** Heed Warnings. All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow Instructions. All operating and use instructions should be followed.
- **5. Cleaning.** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6. Water and Moisture. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. 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.
- **7. 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. 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.

- 8. Power Sources. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- **9. Grounding or Polarization.** This product may be equipped with a polarized alternatingcurrent line plug (a plug having one blade wider than the other). This plug will fit into the power 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 should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- **10.** Power Cord Protection. Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the product.
- **11. Overloading.** Do not overload wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 12. 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.
- **13. 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.
- **14. Damage Requiring Service.** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power-supply cord or plug is damaged,
 - If liquid has been spilled or objects have fallen into the product,

- If the product has been exposed to rain or water,
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
- If the product has been dropped or damaged in any way, and
- When the product exhibits a distinct change in performance, this indicates a need for service.
- **15. Heat.** The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

Comments on Copyright:

Intellectual property, including music, is subject to worldwide copyright protection. In most countries, it is permitted to make personal copies of legally acquired sound media (for example, CDs) or music files (for example, from the Internet). In any case, the following applies: It is not permitted to sell or give these copies to a third party. Be careful when downloading MP3 files from the Internet: Please make sure that the files are properly licensed, in other words, that the supplier also has rights to the titles offered.

Declaration of Conformity:

Pinnacle Systems herewith declares that this device is in accordance with the basic requirements and the other applicable regulations described in the Directive 89/336/EWG. The declarations for EC and FCC conformity as well as the statement of type equality are available at http://www.pinnaclesys.com/compliance.