

High-Performance Multi-Room Multi-Zone 2.1 System with Wi-Fi & Bluetooth

PSUB-10.2WB



Can I play music to multiple Speakers from Spotify at the same time?

You should be able to register multiple devices to your Spotify premium account but you can only stream Spotify from one device (or multi-room group) at a time. The Spotify App allows you to switch among different Spotify Connect clients. If you group multiple Speakers you'll only see the group master speaker on the Spotify App, but all speakers will play simultaneously.

What's the maximum number of Speakers that can stream music on the same wireless network?

You can have at most 6 in order to ensure a stable Wi-Fi connection.

Do the Speakers need to be on the same firmware version to stay in sync with one another?

Yes! Please keep the firmware in sync since we are still optimizing certain features that require the latest firmware.



User Manual

In The Box



Control Panel

Quick Start Guide (I'm Feeling Lucky)

1. Ensure the Speaker is off and the **AC Adapter** is unplugged
2. Plug in the **IR Receiver** to the **IR IN** port on the **Control Panel**
3. Install **Remote Control** Batteries on the back of the **Remote Control**
4. Plug in an **AUX Input** if desired to the **AUX IN** port on the **Control Panel**
5. Connect satellite speakers using the **Stereo Speaker Output** terminal
6. Turn the **Master Volume** and **Bass Volume** knobs on the **Control Panel** to 20% (9 o'clock)
7. Connect **AC Adapter** to an AC Outlet on one end, then to the **Control Panel** of the Speaker on the other
8. Turn on the unit by toggling the **Power Switch** on the **Control Panel**
9. Cycle through the inputs by pressing the **Mode Button** on the **Control Panel** and listen for the verbal identification of the current mode and stop at either **Bluetooth Mode** or **AUX Mode** (Wi-Fi Mode is covered in detail later)
10. For **Bluetooth Mode**, connect to the speaker with your Bluetooth-enabled device (the speaker will show up as "P-SUB10.2WB_XXXX")
11. Set the volume of your input device (Bluetooth or AUX) to its maximum level
12. Adjust **Master Volume** and **Bass Volume** on the **Control Panel** as desired
13. You may adjust the **Crossover Frequency** on the **Control Panel** to your preference (the default is 160 Hz)
14. Use the **Volume** and **Bass Volume** buttons on the Remote Control to adjust the volume an additional ± 6 dB when within line-of-sight of the **IR Receiver**
15. In **Bluetooth Mode**, you can use the media buttons (**Next**, **Previous**, **Play/Pause**) on the **Remote Control** to control your media playback

Thank you for purchasing the Pragmatic High Performance Multi-Room Multi-Zone 2.1 System with Wi-Fi & Bluetooth. Please carefully follow the instructions in this manual to ensure best results.

SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.

WARNINGS

When Installing the Unit

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not connect or disconnect satellite speakers, IR input, antennas, or ethernet cable while the Speaker is plugged in or turned on.
- Do not cut, kink, otherwise damage or modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, as doing so may result in fire or electric shock.
- Avoid installing or mounting the unit in unstable locations, such as on a rickety table or a slanted surface. Doing so may result in the unit falling down, causing personal injury and/or property damage.

When the Unit is in Use

- Should the following irregularity be found during use, immediately switch off the power, disconnect the power supply plug from the AC outlet and contact your nearest dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock.
 - If you detect smoke or a strange smell coming from the unit.
 - If the unit falls, or the unit case breaks.
 - If the power supply cord is damaged (exposure of the core, disconnection, etc.)
 - If it is malfunctioning (no tone sounds.)

DESCRIPTION & FEATURES



PSUB-10.2WB is an active 180W subwoofer with Wi-Fi, Bluetooth, USB and AUX inputs. What makes it so special is that it comes with 2 x 150W stereo speaker outputs, allowing you to connect with two passive speakers to easily build a powerful 2.1 audio system without additional amplifier. In addition, this device can be paired with other PSUB-10.2WB units via Wi-Fi connectivity and configured and controlled through an App available on both iOS and Android.

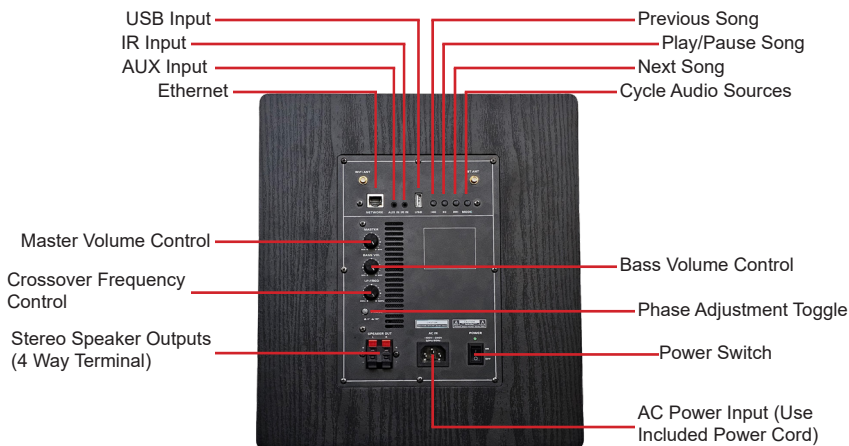
FEATURES

- Allows wireless music streaming via Wi-Fi or Bluetooth
- Has 2 x 150W stereo speaker outputs for a powerful 2.1 system
- Includes crossover and phase adjustments to perfectly blend with your speakers
- Includes USB reader and AUX input for more connectivity
- Supports online music, Internet radio, Airplay, and DLNA
- Convenient music management using the WIIM Home App

SPECIFICATIONS

Model	PSUB-10.2WB
Rated Output Power	For the subwoofer: 180W@4 Ohms For the speaker outputs: 2 x 150W@4 Ohms / 2 x 75W@8 Ohms
Impedance	4-8 Ohm
Direction	Front Firing
Driver Size	10"
Input Voltage	100-240v AC, 50/60 Hz
Frequency Range	40-300 Hz
Audio Inputs	Wi-Fi, Bluetooth, USB, AUX
Phase Adjustment	0° / 180°
Finish	Black Semi-Gloss Wood Grain
Product Size (L x W x H)	380mm x 310mm x 364mm / 15" x 12-1/4" x 14-3/8"
Weight	10 kg / 22 lbs

CONTROL PANEL



WIFI MODE SETUP

Our WiFi speaker uses the WIIM App for music management. You may download this APP from App Store or Google Play. The Wi-Fi speaker's Service Set Identifier(SSID) is: "PSUB-10.2WB_XXXX"

GETTING STARTED

TURNING ON THE ACTIVE MASTER SPEAKER

To turn this unit ON, plug in the power cord. When the unit turns on, you will hear the voice prompt. In order to connect this device to your Wi-Fi, you need to know your network credentials.

MINIMUM REQUIREMENTS

The APP is compatible with iPhone, iPod Touch and iPad devices running on iOS 6.0 or later and devices running Android 2.3.3 or later.

NETWORK REQUIREMENTS

To access music services, Internet radio, and any digital music stored on your smart device or DLNA enabled Network-Attached Storage (NAS) device, your network must meet the following requirements:

- If you are going to use the WIIM Home App on Android or iOS devices, a Wi-Fi Network will be required.
- You need to have your Wi-Fi network SSID and password.
- Your network configuration should not be in isolation mode.
- Our system only supports 2.4GHz Wi-Fi.

NOTE: If you want to stream music through built-in App features such as Spotify, you will need a high speed internet connection. (Playback experience may differ depending on your Internet connection speed.)

CONNECT YOUR WI-FI SPEAKER TO YOUR NETWORK VIA WIIM HOME APP.

- Install the WIIM Home App  to your Smartphone or Tablet
- Press the 'Mode' button on the Speaker to change device modes
 - Cycle through the modes until you hear the "Wi-Fi Mode" voice prompt
- Press and hold the 'Mode' button on the Speaker for 3-5 seconds to enter setup mode, accompanied by a voice prompt
- Connect your Smartphone or Tablet to the WiFi hotspot of the Speaker
 - The SSID will be in the format "PSUB-10.2WB_XXXX"
- Open the WIIM Home App and you will see the Search screen (Figure 1)
- When the device is connected, you will see the Device tab (Figure 2)
- Press the "+" button on the top left (Figure 3)
- Select the WiFi network of your choice, and enter the password if applicable
- The Speaker will then attempt to connect to the WiFi network and will give a verbal notification of whether or not it was successful

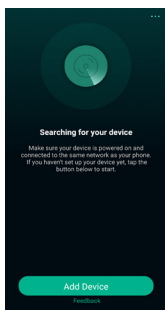


Figure 1

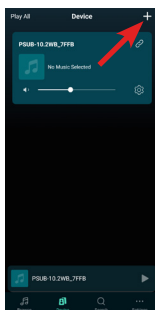


Figure 2

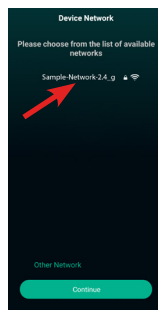


Figure 3

PLAYING MUSIC WITH THE WIIM APP

My Music

Through 'My Music', you can access the music that you have saved on your iOS or Android device's internal storage. You can also access music stored in music server. There are other options such as "recently played" and user created playlists etc. In iOS, only music synced from your iTunes is accessible by the WIIM player. It is grouped by artists, album, playlists, or track. In each category, it is in alphabetical order. On an Android device, all the music in the device is accessible, and it can be grouped by folder too.

Spotify

You can control music play through your Spotify app. Select the speaker from the list of devices in the Spotify App (Figure 4 & 5). Once you connect, you can stream Spotify to any Wi-Fi speakers. You will need a Spotify Premium account to connect to Wi-Fi speakers. You can only play to one speaker at a time, however in Multi-Zone mode, only the master speaker will show up, but music will play to all speakers paired to the master speaker.

iHeartRadio

iHeartRadio allows you to stream radio stations to your Wi-Fi speaker. Enter the menu and select 'iHeartRadio'. Select 'Genre' to choose the genre of radio you would like to listen to or select 'Country' and then the 'Region' to select localized radio stations.

AirPlay

You can play music through AirPlay on your iOS device. To do this you need to ensure that your iOS device and the WiFi speakers are connected to the same Wi-Fi network. Then, swipe up from the bottom of your iOS device and select 'AirPlay'. Select your Wi-Fi speaker and start playing your music. In Multi-Zone mode, only the master speaker will show up, but music will play to all speakers paired to the master speaker.

TIDAL

TIDAL is the perfect match for the Wi-Fi speaker, streaming music in lossless, high fidelity audio quality, ensuring the best sound experience possible. Add high definition music videos, curated editorials by music journalists, artists and experts, and so much more.

Many Others

The Wiim Home App supports many other music streaming and distribution sources, including Pandora, Amazon Music, BBC Radio, Napster, Deezer, TuneIn, Qobuz, and more. You can customize which music services to show in the list by selecting 'Manage' in the top right of the Music Services panel and toggling the desired services on or off (Figure 6 & 7).

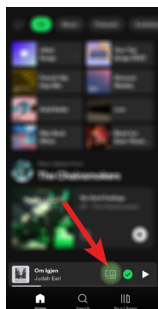


Figure 4

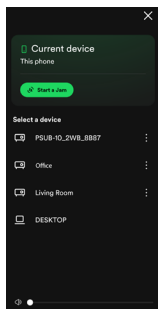


Figure 5

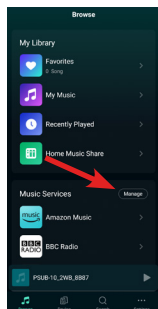


Figure 6

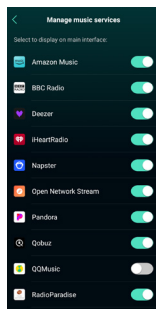


Figure 7

MULTI-ZONE / MULTI-ROOM SETUP

The PSUB-10.2WB is capable of forming Multi-Zone networks with other PSUB-10.2WB units. Using the WIIM Home App, multiple speakers in Wi-Fi mode can play from different sources, or simultaneously from one source. By setting up multiple speakers in different rooms, it is possible to create a hassle-free multi-room system that can be controlled from any smart device on the same Wi-Fi network.

- For individual play, setup speakers as normal, and multiple devices will show up in the Device tab of the WIIM Home App, where you can select sources and play music to each one individually (Figure 5).
- For simultaneous play, multiple speakers can be paired to one 'master' speaker.
 - To pair a speaker to a master speaker for simultaneous play, select the 'Link' icon in the top right of the speaker you want to be the 'master' speaker in the Device Menu (Figure 6)
 - Then select whichever speakers you want to play simultaneously with the master speaker and press 'Done' (Figure 7)
 - After a short delay, the speakers you selected will show up underneath the master speaker, and you will be able to control volume and more for the group (Figure 8)

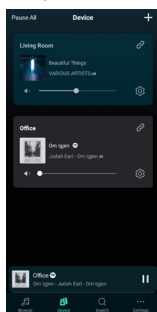


Figure 8

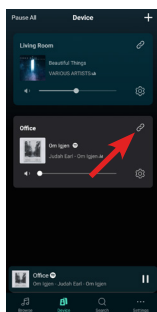


Figure 9

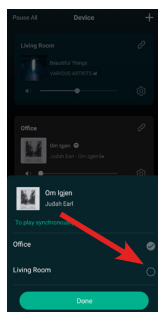


Figure 10

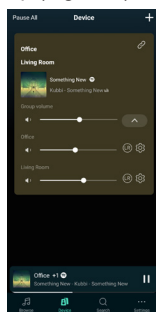


Figure 11

ADVANCED OPTIONS

CHANGE DEVICE NAME

The factory default device name is ex. "PSUB-10.2WB_XXXX", however you can click the 'Settings' gear icon on the Device tab (Figure 12), select 'Rename' (Figure 13), and enter the name of your choice or choose from the list of recommended names, then press 'Save' (Figure 14).

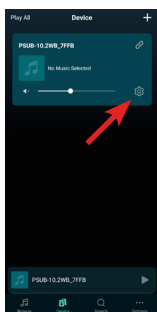


Figure 12

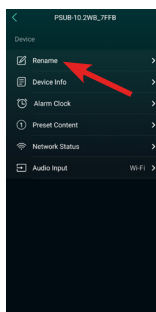


Figure 13

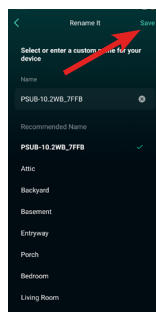


Figure 14

CHECK WI-FI STRENGTH

To achieve smooth streaming experience, your Wi-Fi Speaker should have good network connection with your connected router. When connected with Wi-Fi, please check the Wi-Fi strength when you have problem with streaming experience. The steps to check the Wi-Fi strength are as follows:

- Enter the 'Device List' tab
- Select the gear icon on the Wi-Fi speaker you want to check (Figure 15)
- Select "Speaker Info" to see if your Wi-Fi connection is good enough (Figure 16)

FACTORY RESET

If you want to restore factory settings, select the "Restore Factory Settings" at the bottom of 'Device Info' menu to confirm (Figure 17).

FIRMWARE UPDATE

If you see a "New" icon next to the setting button, it means a new firmware is available for your unit. In order to apply this firmware, tap on "New" and you will see a pop up message. Select upgrade and wait until the device upgrade process finishes (Figure 18).

NOTE: Do not conduct any other operation via the phone or the speaker unit while the firmware update is in progress.

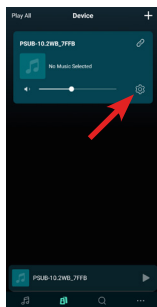


Figure 15

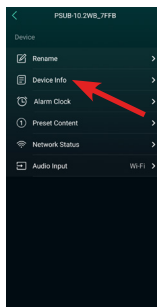


Figure 16



Figure 17

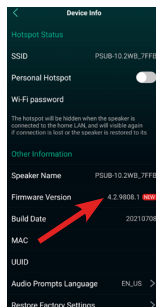


Figure 18

LANGUAGE SETUP

You can click the "Settings" tab to select the language you would like to use (Figure 19)

ALARM CLOCK

The alarm lets you wake up to your own music from the iTunes library or your subscribed music services. You can set several alarms and specify when they repeat and which playlist or songs to use (Figure 20 - 22).

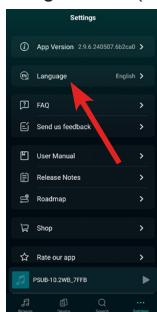


Figure 19

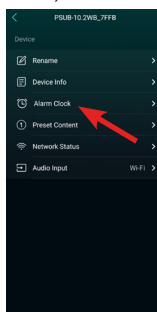


Figure 20

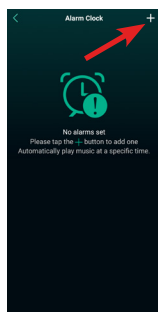


Figure 21

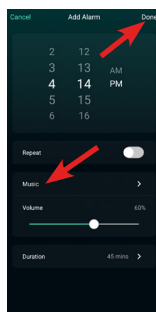


Figure 22

STREAMING FROM VLC MEDIA PLAYER

Using Wi-Fi Mode, you can stream directly from your computer using VLC Media Player on any platform. First, follow the previous Wi-Fi setup steps to ensure the speaker is connected to the network that your computer is connected to. Both the computer and the Speaker must be on the same network for VLC Player to properly stream media. Once the speaker or speakers are set up, follow these steps.

Step One: On the Computer

- Download and Install VLC Media Player
- Make sure your PC/Mac is connected to the same Wi-Fi network that the speaker and mobile device are
- Open VLC Player, Select 'Media', 'Stream', and follow the prompts (Figure 23)
 - Select your desired media in the 'File' or 'Disc' Tab, then press 'Stream' (Figure 24)
 - Press 'Next'
 - Then select the "New Destination" as 'HTTP' from the dropdown menu (Figure 25)
 - Make sure 'Display Locally' is deactivated
 - Press 'Add'
 - Next press 'Next' without changing anything in the menu
 - Then select the "Profile" as 'Audio - MP3' from the dropdown menu (Figure 26)
 - Make sure 'Active Transcoding' is deactivated
 - Press 'Next'
 - Make sure 'Stream all elementary streams' is activated, and press 'Stream'

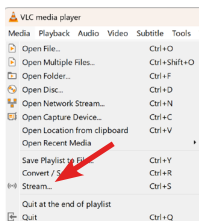


Figure 23

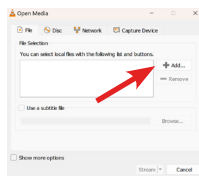


Figure 24

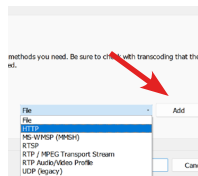


Figure 25

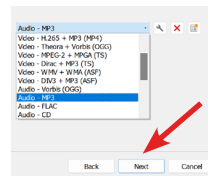


Figure 26

Step Two: On Android or iOS

- Run the normal setup steps for Wi-Fi setup if not already done
- Make sure both the mobile device and the speaker are connected to the same Wi-Fi network that the PC/Mac is
- Open the 'Browse' tab, scroll down and select 'Open Network Stream'
- Enter the IP address and port of your PC/Mac streaming device
 - I.E. with IP address 192.168.1.90 and port 8080, enter "http://192.168.1.90:8080"
- Then press 'Open stream'
- The stream may take 10-20 seconds to start playing

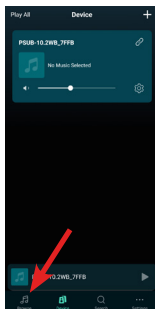


Figure 27

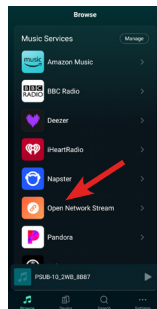


Figure 28

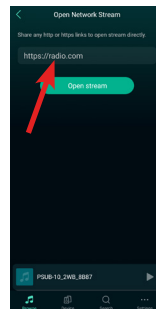


Figure 29

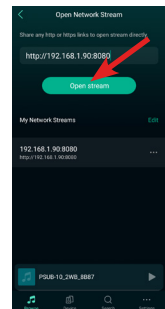


Figure 30

WIRED ETHERNET

A wired Ethernet connection can be used instead of the standard App-Based Wi-Fi setup that will facilitate all the same functionality as the normal Wiim Home App. To use a wired Ethernet connection to play media over Wi-Fi, first power the unit off. Then, connect your Ethernet cable to the Ethernet port on the Control Panel of the speaker. Once the connection is secure, turn on the speaker, and press the 'Mode' button and cycle through until you hear "Wi-Fi Mode". Wait approximately 20 seconds, and you should hear a tone indicating a successful connection. After the tone plays, you can use the Wi-Fi functionality of the speaker as before.

Note: The speaker MUST BE POWERED OFF when connecting or disconnecting an Ethernet cable. Once connected, devices must be on the same Wi-Fi network as the wired Ethernet connection to be able to configure and play media to the speaker.

BLUETOOTH MODE

To engage Bluetooth Mode, press the 'Mode' button on the speaker and cycle through until you hear the "Bluetooth Mode" voice prompt. When the speaker is first switched to Bluetooth Mode, it will automatically enter Pairing Setup, where the device will be visible to other Bluetooth devices for discovery. Open the Bluetooth Pairing Screen on any Bluetooth capable device, and select the speaker. The device name will be in the format "PSUB-10.2WB_XXXX". Once connected, you will hear a tone from the speaker letting you know it is connected. You can now play music to the speaker over Bluetooth. The speaker can only connect to one Bluetooth device at a time. Volume levels can be adjusted using the Bluetooth Device, but only to the maximum volume set on the physical Master Volume Knob on the Control Panel of the speaker.

AUX MODE

To engage AUX Mode, press the 'Mode' button on the speaker and cycle through until you hear the "AUX MODE" voice prompt. In AUX Mode, the Speaker will not be discoverable through its Wi-Fi hotspot or via Bluetooth, and any Bluetooth or Wi-Fi connections will be disconnected. AUX Mode allows the Speaker to play from a wired TRS 1/8" (3.5mm) AUX port on the Control Panel of the speaker. Connect an AUX extension or adapter to any audio source and adjust volume settings as desired. Devices playing media in AUX Mode cannot be controlled by the media buttons on the speaker Control Panel or Remote.

IR RECEIVER AND REMOTE

You can also control the speaker in any mode through the use of the IR Receiver (Figure 31) and Remote Control (Figure 32). When the Remote is in direct line-of-sight of the IR Receiver, users have access to media buttons, can control volume levels, and cycle between modes. The Volume and Bass Volume buttons give users ± 6 dB of control, unlocking higher volume levels than with the knobs on the Control Panel alone. *Note: The speaker MUST BE POWERED OFF when connecting or disconnecting the IR Receiver to the Control Panel.*



Figure 31



Figure 32