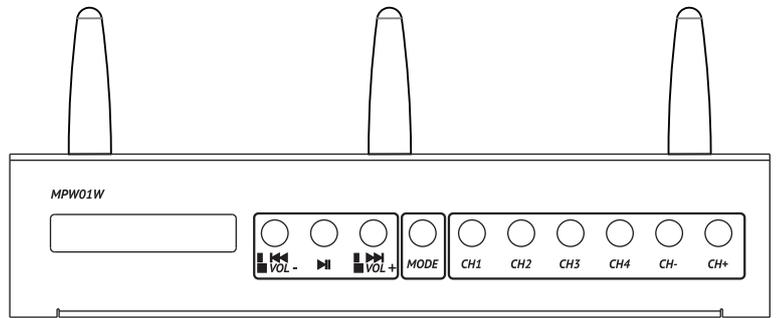


FREEDOM X

Wireless Transmitter User Manual



Specifications

Type: Multi-media wireless broadcast transmitter

Bluetooth broadcast output power (Conduction):
7 dBm

Frequency response: 20Hz-20kHz +/-2dB

Power supply: 12VDC@1A

Power consumption: 2.5W

Dimensions (HxWxD): 40x185x157.2mm

Weight: 0.7kg

Construction: Metal

Accessories included: 12VDC@1A adapter

Wireless Features

Built-in 2.4GHz Bluetooth transmitter with remote control and preamplifier output

Wifi connection for more audio resources

Player control through mobile devices

Wireless full CD audio quality

No interference or delays

4-bit addressing dip switch (channel switching)

Range: 20-30m depending on conditions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

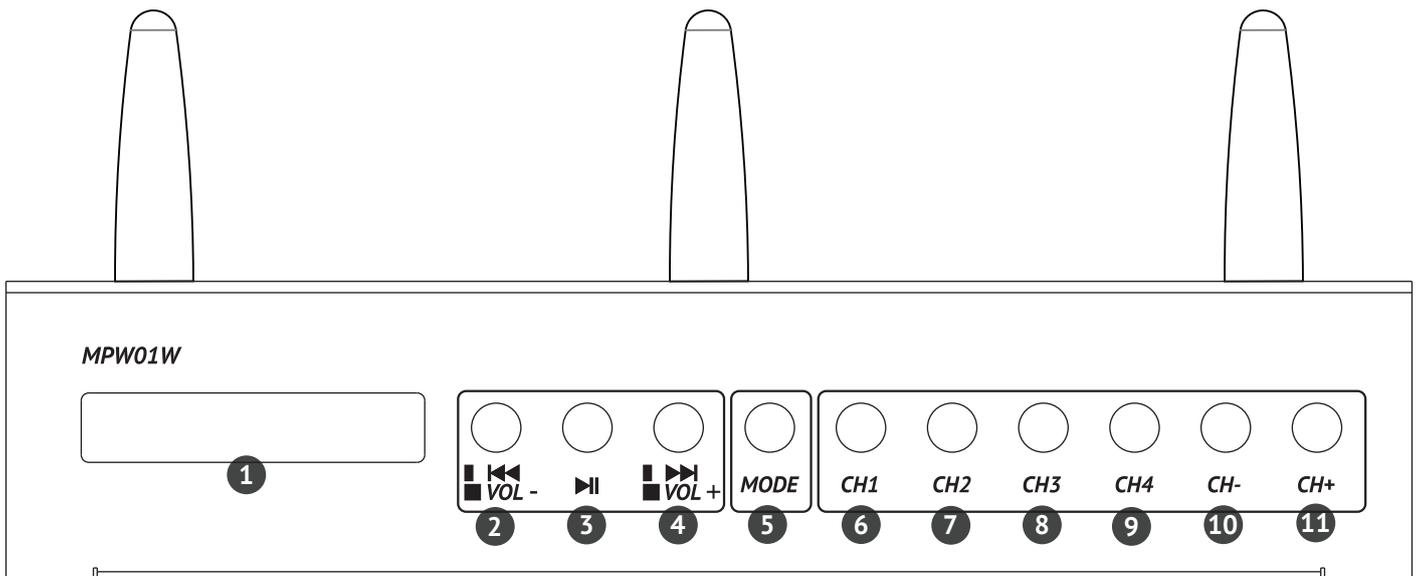
CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this appliance near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug this appliance during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the appliance, the appliance has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. Damage Requiring Service
Unplug the appliance from the wall outlet and refer servicing to qualified service personnel under three following conditions:
 - A. When the power-supply cord or plug is damaged,
 - B. If liquid has been spilled, or objects have fallen into the appliance,
 - C. If the appliance has been exposed to rain or water,
 - D. If the appliance 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 appliance to its normal operation,
 - E. If the appliance has been dropped or damaged in any way, and
 - F. When the appliance exhibits a distinct change in performance this indicates a need for service.
14. Object and Liquid Entry
Never push objects of any kind into the appliance through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. The appliance shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the appliance. Don't put candles or other burning objects on top of this unit.
15. Batteries
Always consider the environmental issues and follow local regulations when disposing of batteries.
16. The power supply and power cord for this appliance is intended for indoor use only.

PRODUCT OVERVIEW



FRONT PANEL

1. Display Screen

Show the current status of the transmitter.

2. Previous Track / Reduce Volume

Short press for previous track and long press to reduce the volume.

3. Play/Pause

Play or pause the current track.

4. Next Track / Increase Volume

Short press for next track and long press to increase the volume.

FRONT

5. Mode

Switch the player mode (Wifi, USB, or Bluetooth).

6. CH1

Play the preset content 1. No response if there is no preset.

7. CH2

Play the preset content 2. No response if there is no preset.

8. CH3

Play the preset content 3. No response if there is no preset.

9. CH4

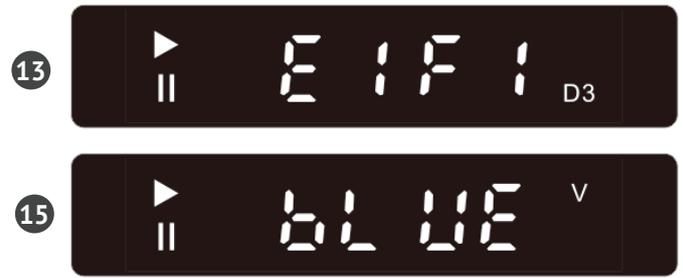
Play the preset content 4. No response if there is no preset.

10. CH-

Play the previous preset content.

11. CH+

Play the next preset content.



DISPLAY SCREEN

12. USB

Player is in USB mode. Note that it can only be switched to USB when the USB drive is plugged in on the rear panel. Supported files including mp3/ape/wav/flac/wma.

13. Wifi

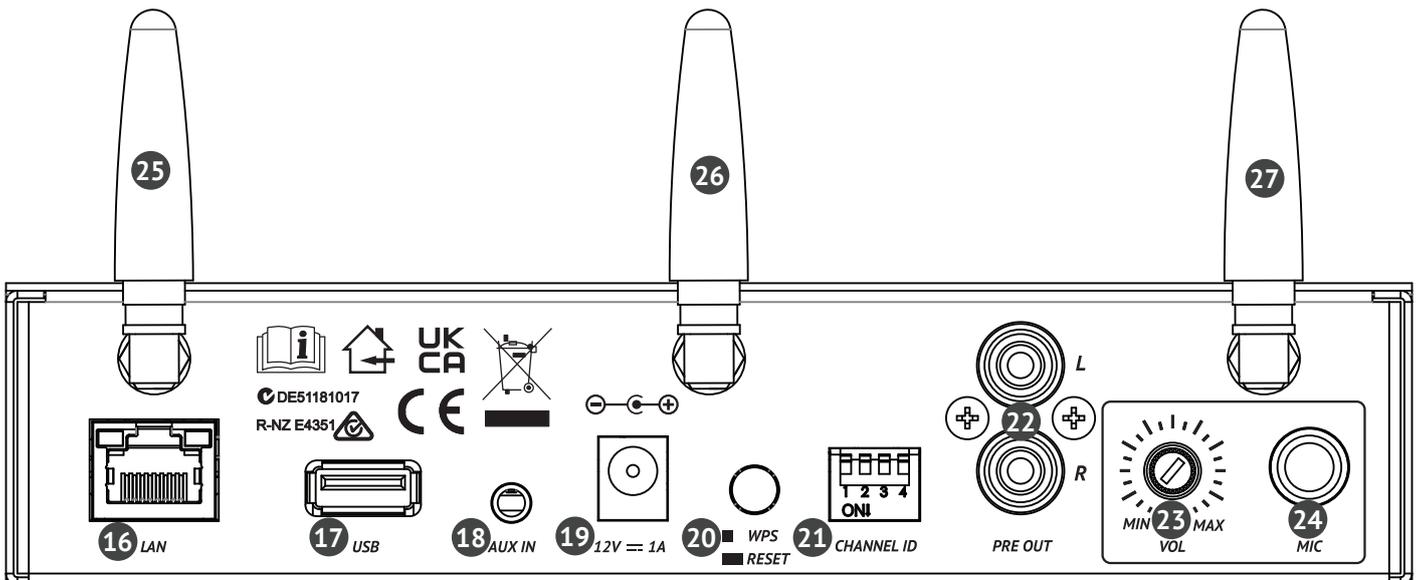
Player is in Wifi mode. Please refer to the mobile application (Legacy Player) section of this manual for more detail.

14. AUX

Player is in AUX mode. Note that it can only be switched to AUX when the AUX cable is plugged in on the rear panel.

15. Bluetooth

Player is in Bluetooth mode. Note that "V" will slowly blink if the transmitter is connected to a device and quickly blink if the transmitter is in Bluetooth pairing process. Please refer to the remote control section for more details on Bluetooth function.



REAR PANEL

16. LAN Port

Plug in the router network cable to set up the network.

17. USB Port

USB storage devices can be inserted to activate the USB mode of the player. Note that you will still need to press the mode button to switch to USB mode.

18. AUX In

A 3.5mm JACK cable can be inserted to activate the AUX mode of the player. Note that you will still need to press the mode button to switch to AUX mode.

19. Power Input

Connect to DC outlet 12V

REAR PANEL

20. WPS/RESET Button

Short press for WPS function.

NOTICE: The Wifi network can be configured within 5 minutes after the machine is powered on. After 5 minutes, the Wifi will automatically turn off, the network cannot be configured. In this case, you need to short press the WPS button to broadcast again to configure the network.

Long press for RESET function.

NOTICE: RESET is required in the following cases:

1. Wifi module has been replaced,
2. Wifi firmware has been upgraded,
3. The MCU software has been upgraded.
4. A functional pattern has been missing from the mobile application (Legacy Player).

21. Channel ID

Set transmitter channel ID. Whole system must use the same channel ID in order for other speakers (receivers) to connect with this device.

REMOTE CONTROL

28. Power

Press to turn on/off the power of the device.

29. Group

Press to switch between group and independent play.

NOTICE: There are more than two devices in a LAN.

30. EQ

Press to switch within 6 different EQ mode to adapt different music.

31. VOL+

Press to increase the volume level.

32. VOL-

Press to decrease the volume level.

33. Previous Track

Press to play the previous track.

34. Next Track

Press to play the next track.

35. Play/Pause

Press to play or pause the current track.

36. CH +/-

Press + to play the next preset content.

Press - to play the previous preset content.

37. BT

Short press to switch to Bluetooth mode ("V" is slowly blinking on the display screen).

Long press to pair a new device ("V" is quickly blinking on the display screen).

38. Wifi

Short press to switch to Wifi mode.

Long press for the RESET function.

39. Mode

Press to switch mode (Wifi, Bluetooth, USB, or AUX).

22. Pre Out

Connect to another power amplifier to extend the system. The output signal is controlled by this device.

23. Volume Control Knob

Adjust the volume to the desired level.

24. Mic Input

A microphone can be connected to this device as an audio input.

25. Wifi Antenna

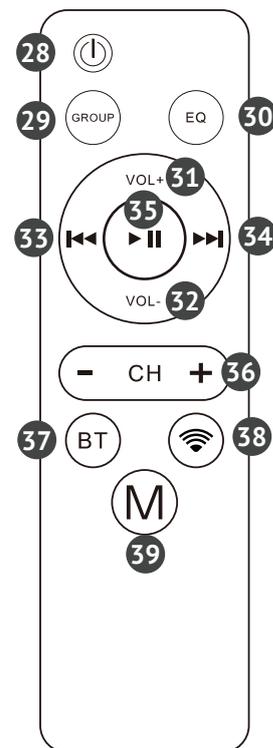
Please install the Wifi antenna before using the device to ensure the function works normally.

26. Bluetooth Antenna

Please install the Bluetooth antenna before using the device to ensure the function works normally.

27. Broadcast Antenna

Please install the broadcast antenna before using the device to ensure the function works normally.



Legacy Player - Mobile Application for MPW01W

The Legacy Player is the mobile app that seamlessly connects to the transmitter of our wireless broadcast system. This app is designed to enhance your control and customization of the audio experience. You can manage and change the audio setting, edit playlists, and synchronize multiple transmitters for synchronized audio which enhances the overall audio experience in your environment.

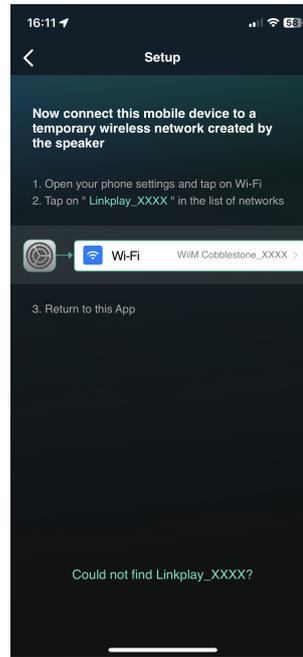
Download App

Please scan the QR code on the right to download the Legacy Player on your mobile devices



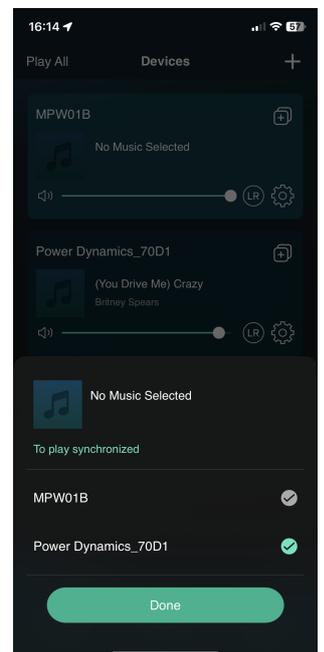
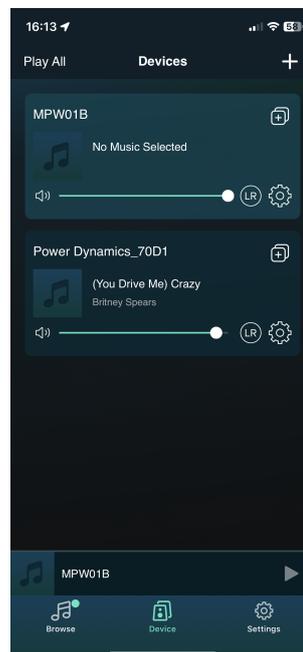
Add Devices

When you open the app, please tap on the "Device" button and check your connected device(s). To add devices, please tap on the "+" button on the top right corner and follow the instruction provided.



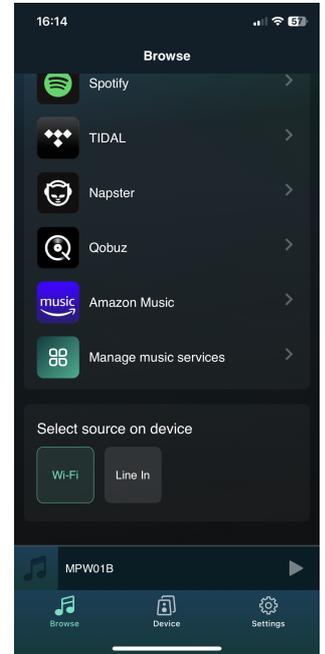
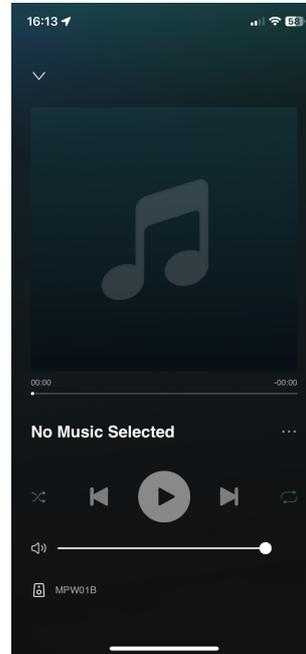
Sync Devices

To synchronize multiple devices, please tap the "+" button in the specific device section (not the "+" button on the top right corner). The app will prompt you to the next step. Select the devices you would like to sync for synchronized audio playback.



Browse Audio Sources

Currently, the Legacy Player supports several audio streaming platforms including: TuneIn, iHeartRadio, Spotify, TIDAL, Napster, Qobuz, Amazon Music, QQ Music, and QQ FM.



WIRELESS SYSTEM SETUP

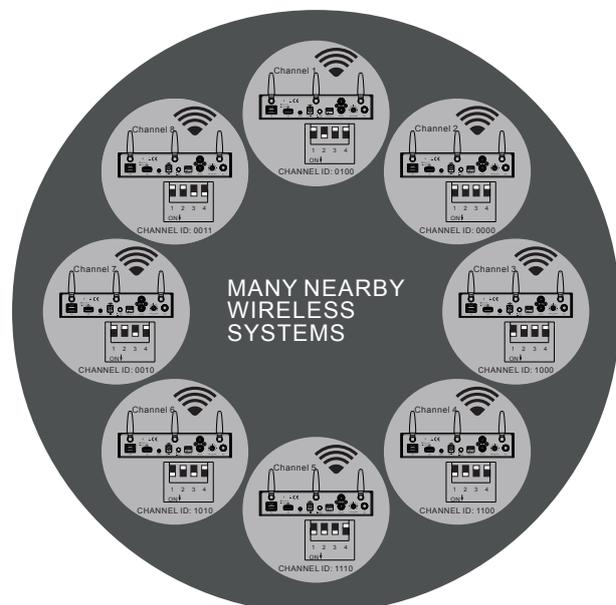
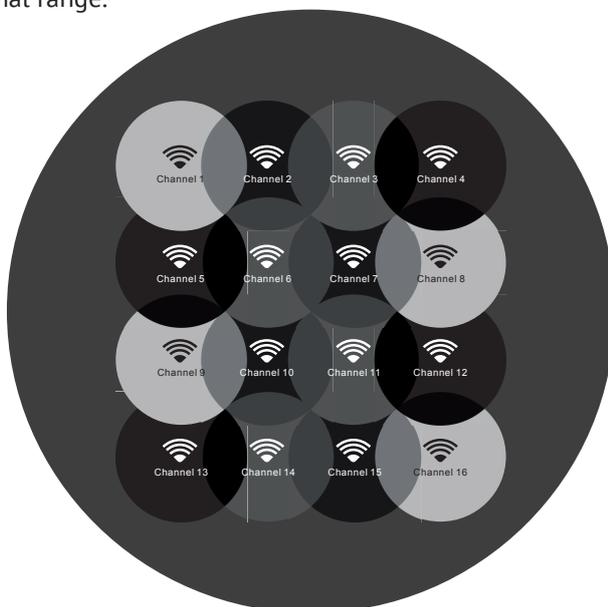
Features

- Full CD quality transmission
- RF band 2.4GHz
- Sample rate 48KHz
- Range 20-30m
- 16 Channel IDs
- Multiple receiving devices can be configured within the same channel
- Supports network streaming, Bluetooth, USB, and AUX audio sources
- One microphone input channel

Wireless System Overview

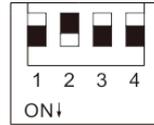
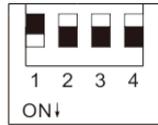
The transmitter broadcasts the audio signal wirelessly at 2.4GHz, allowing all receivers within the signal coverage range to receive and play the music. However, when there are more than two sets of transmitters within the signal range, receivers might connect incorrectly, leading to music interference. To address this, the wireless broadcasting system utilizes a method of setting a Channel ID to ensure no interference between adjacent wireless systems.

This is an encryption method where only when the Channel ID of the receiver matches the Channel ID of the transmitter, it can receive the signal from the transmitter. Both the transmitter and the receiver have a 4-digit encoding switch for setting the Channel ID. It can support up to 16 different combinations, allowing a maximum of 16 wireless systems to coexist within the signal range.



Channel IDs and 4-bit Addressing Dip Switch

The transmitter and receiver are equipped with a 4-digit broadcast channel DIP switch. The ON position on the DIP switch represents "1," while the OFF position represents "0." For instance, if the first switch is turned ON, and the second, third, and fourth switches are OFF, it signifies that the broadcast channel is set to "1000." Similarly, if the second switch is turned ON and the others are OFF, the channel broadcast address would be "0100." This arrangement of combinations can support a maximum of 16 different broadcast channels.

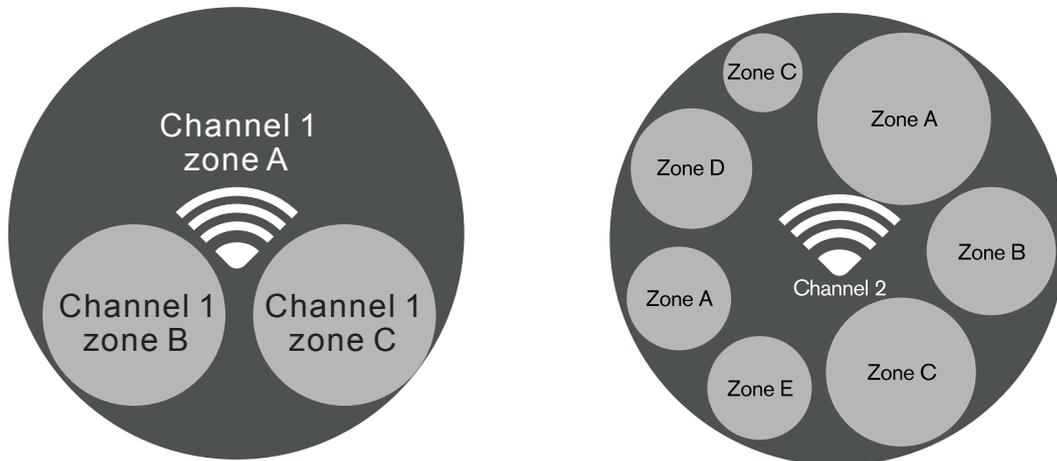


Please note that the transmitter and receiver must be on the same broadcast channel to establish a network broadcast.

After setting the channel address, restart both the transmitter and the receiver. This completes the configuration of the wireless transmission and reception network.

Volume Configurations

Each receiver can independently adjust its volume, allowing different volumes to be set in various zones. The transmitter also features volume control; however, it only adjusts the volume of the transmitted audio source. As a result, the volumes of all receivers on the same channel ID will synchronize changes based on their originally set individual volumes.



Wireless Setup

1. Set all speakers to WIRELESS input
2. Set all units (transmitter and receivers) to same wireless channel ID
3. Adjust volume on each device for the best performance