

USER MANUAL

PM-839

2 CHANNEL BLUETOOTH WALL AMPLIFIER WITH ANDROID



MAJORCOM:

Manual to download in PDF format on www.majorcom.fr

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1. PACKING LIST

- PM-839 in-wall amplifier X1 (including terminal blocks)
- Back box X1
- Screw X2
- User manual X1
- Remote control 1

2. COMMON TROUBLESHOOTING

Malfunction	Causes and solutions
Not booting	<ol style="list-style-type: none"> 1. If the panel is tightly closed, open the panel to clean it, and then close the panel. 2. Whether the surface of the panel is too dirty or there is water on the surface of the panel, clean it up and restart it.
No sound	<ol style="list-style-type: none"> 1. Check if the speaker cable is installed correctly. 2. Check if the remote control is muted.
Small volumn	Check the speaker, the constant pressure speaker is not matched, please use constant resistance 8 ohm speaker.
Button does not work	<ol style="list-style-type: none"> 1. If the panel is tightly closed, open the panel to clean it, and then close the panel. 2. Whether the surface of the panel is too dirty or there is water on the surface of the panel, clean it up and restart it.
Touch jump	<ol style="list-style-type: none"> 1. Turn off it and restart. 2. Press the reset button to reset.
The remote control doesn't work	<ol style="list-style-type: none"> 1. Is there enough power in the remote control battery? 2. Shorten the distance of the remote control and reduce obstacles in front of the remote control window.
Bluetooth connection is not available	<ol style="list-style-type: none"> 1. Is the host connected to another device? 2. Whether the Bluetooth mode is enabled on the mobile phone.
Bluetooth playback has no sound	<ol style="list-style-type: none"> 1. Whether the mobile phone has been selected for Bluetooth push (such as Android mobile phone can play, Apple mobile phone needs to choose Bluetooth device). 2. Whether the playback device such as mobile phone is set to mute. 3. Whether the network of the playback device such as mobile phone is stable, can play the downloaded song.

3. DESCRIPTION

This 2 channel small bluetooth audio system equipped with micro USB/TF can power 2 to 4 pieces of speakers. It uses a high-efficiency class-D amplifier for a maximum output of 2*25 watts and low-impedance speakers. The display shows relevant track music info. Plus, you can control everything seek, change tracks and adjust the volume using the included wireless infrared remote controller.

4. FUNCTION

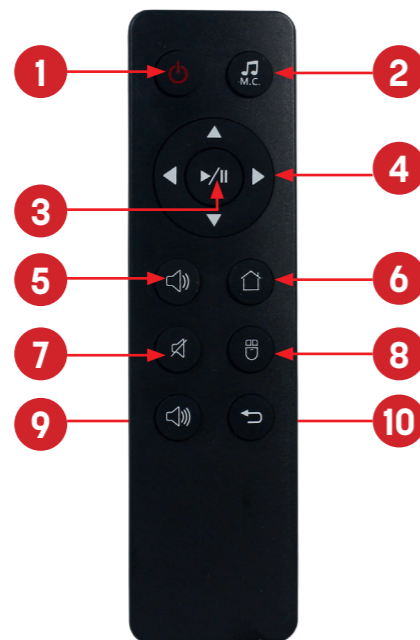
- Android 7.1 system, Cortex1.2G quad-core CPU
- 4-inch multi-touch capacitive screen, 480*480 IPS HD resolution display
- Remotely control cellphone app, with on-demand pushed content : music playback, storytelling, weather, jokes, words, books, financial news, comic essays, etc.
- With scene linkage, play music automatically, play music regularly
- The call function can be realized between multiple hosts, can specify the host and the group to call
- 2 channel output, can be connected to 2 to 4 speakers
- With the IoT module, can be used as a smart gateway
- Support external Bluetooth devices such as mobile phones to achieve audio playback, and can control the music of external Bluetooth devices in two directions. You can set Bluetooth to be turned on or off.
- With built-in WIFI wireless connection
- Support the function of triggering doorbell
- Support external devices to control the machine through 485
- Support linkage triggering boot
- Support audio input function
- Support audio output function
- Support timer switch, can set time arbitrarily and choose the specified song to play when boot
- Support TF card and MICRO-USB interface, USB can be connected to the hard disk
- Support infrared remote control
- Support TF card firmware upgrade

5. FEATURES

- With RJ45 interface for both hard cat 5 cable or WIFI connection
- Optional Tuya APP for smart control
- Adopt Bluetooth and WIFI wireless connection technology
- Standard 86 Mounted on the wall for easy control
- With wireless remote control
- Rs485 protocol for integration
- Download APP like Spotify, Pandora etc. to play music from Internet
- Support triggering doorbell function
- Support remote trigger power on/off
- Support program timer on/off function and programmed song play after power on
- Support audio input and output function with secure and fast connect phoenix connectors
- Support TF card and OTG 2.0USB interface, USB can be connected to the hard disk; with WIFI connection
- Suitable for commercial areas, classrooms, meeting and conference rooms, etc.

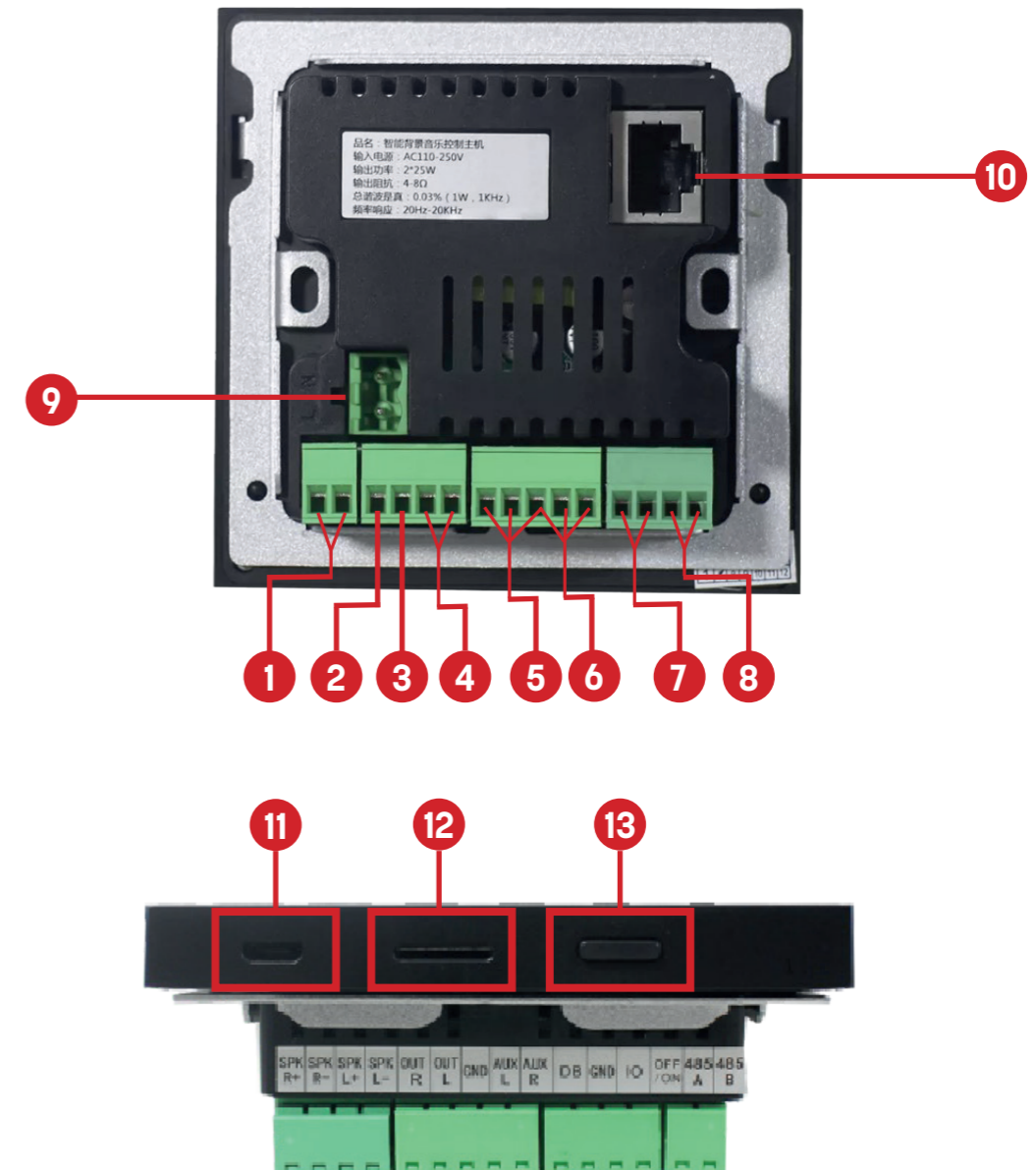
Model	PM-839
Output power	2 x 25W
Speaker Impedance	4/8Ω
System	Android 7.1
Body memory	1GB
Expand TF card memory	8GB, Scalable to 32G
Network	WIFI
CPU	Cortex 1.2G (Quad core)
Display	4inch capacitive touch screen
Resolution	480*480 IPS
Bluetooth wireless range	≤10M
USB	OTG USB
THD	0.03% (1W,1KHZ)
Frequency response	20 Hz-20 kHz (+/-2dB)
SNR	98dB
Music format	Mp3, WMA, WAV, AAC, WAW, APE, OGG, etc.
Video format	MPEG-1-2-3-4, RM/RMVB, WMV, MOV, MK, VOB, AVI, 3GP, H264, etc.
Power Requirements	110-250V AC
Dimension (L x H x P)	86 x 86 x 38 mm
Weight	0.7 kg

6. REMOTE CONTROL



1. **On / Off** : press to turn on or shut down.
2. **Audio source** : press this button to switch the audio source.
3. **Play / Pause**
4. **Arrow button** : Direction, press this button to move the cursor up, down, left, and right.
5. **Volume -** : Press this button to decrease the volume.
6. **Home** : Press this button to return to the main interface.
7. **Mute**
8. **Mouse button** : Press this button to change the remote control to the fly mouse operating host.
9. **Volume +** : Press this button to increase the volume.
10. **Back button** : Press this button in the submenu to return to the previous menu.

7. CONNECTIONS

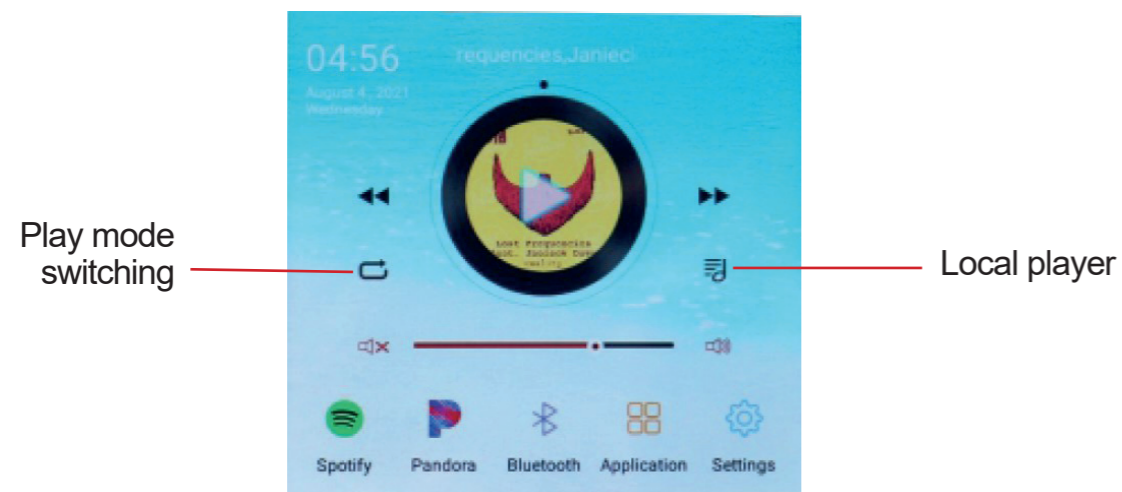


1. 485 interface (optional): 485A + 485B + GND
2. Trigger on/off
3. Input / Output
4. Trigger doorbell : Turn on GND+DB to trigger the doorbell
5. External audio input : AUX L + AUX R + GND
6. Audio output : OUT R +OUT L+GND, can be connected to other amplifiers
7. Speaker : SPK L+ SPK L-
8. Speaker : SPK R+ SPK R-
9. Power supply terminal : Connect AC110-250V power supply
10. RJ45 interface for both hard cat 5 cable or WIFI connection
11. Micro USB port
12. TF card port
13. Power switch : Long press 2 seconds to boot or shut down, short press to lock or unlock screen

8. MAIN INTERFACE FUNCTIONS

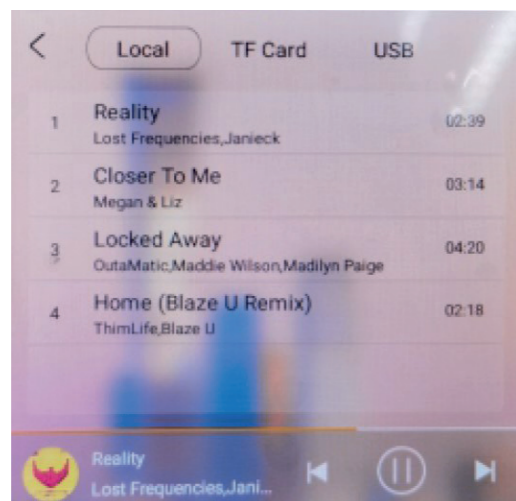
8.1 MAIN INTERFACE

After the host boots, it will directly enter in the main interface as shown picture below :



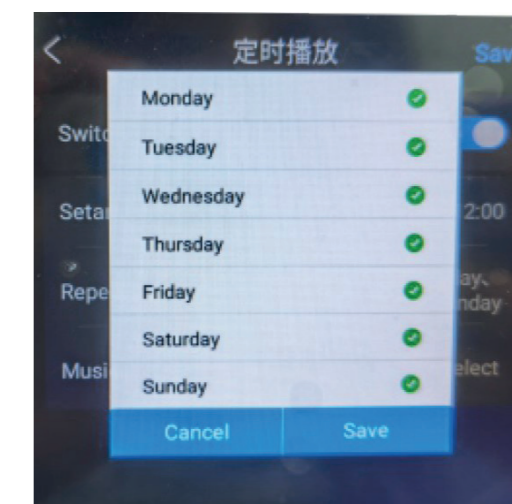
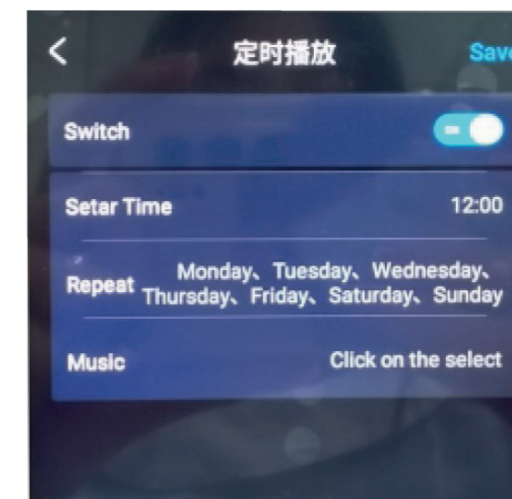
Press « Online Music », « Audio Content » icon for 3 seconds, you can replace the application.

8.2 LOCAL MUSIC PLAYER



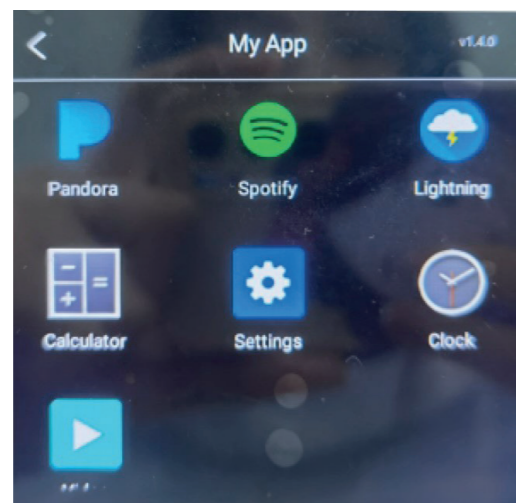
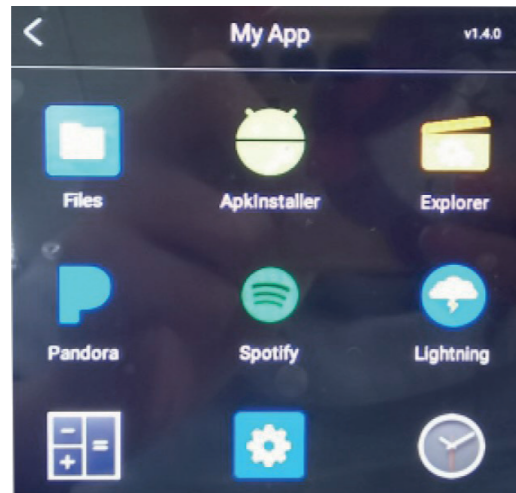
You can play music from U disk, local playback or TF card.

8.3 SETTING INTERFACE

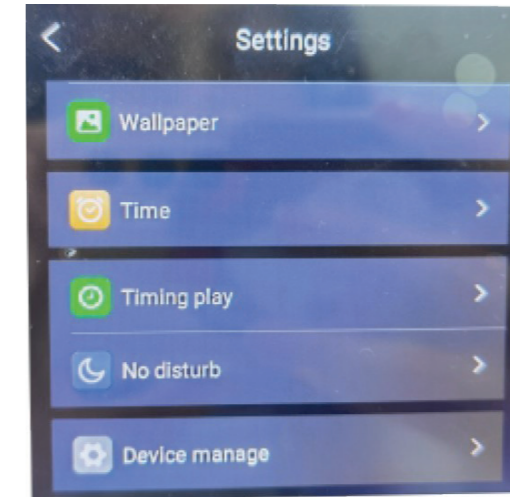
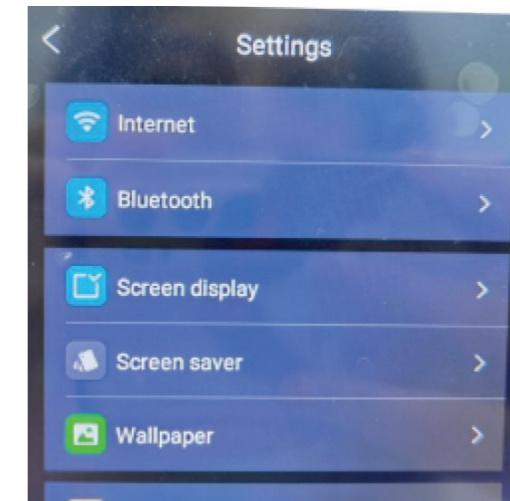


Scheduled playback

8.4 APPLICATION MANAGEMENT

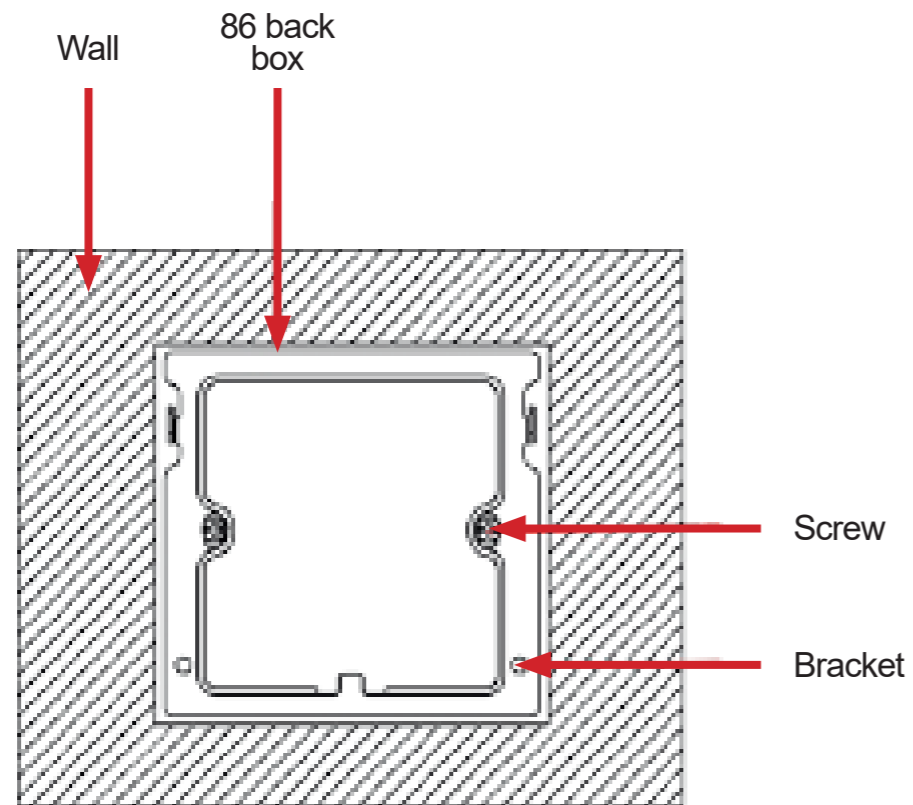


8.5 SYSTEM SETTING INTERFACE



- **Internet management** : set WIFI
- **Display management** : set auto lock screen time
- **Time management** : set time mode, 12h or 24h
- **Timing play** : scheduled playback
- **Device management** : check the version of host, information and update

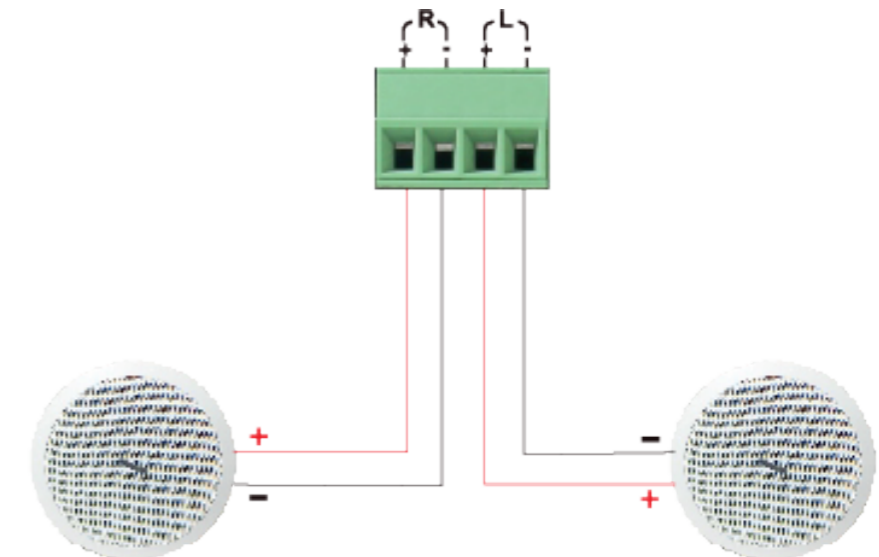
9. INSTALLATION



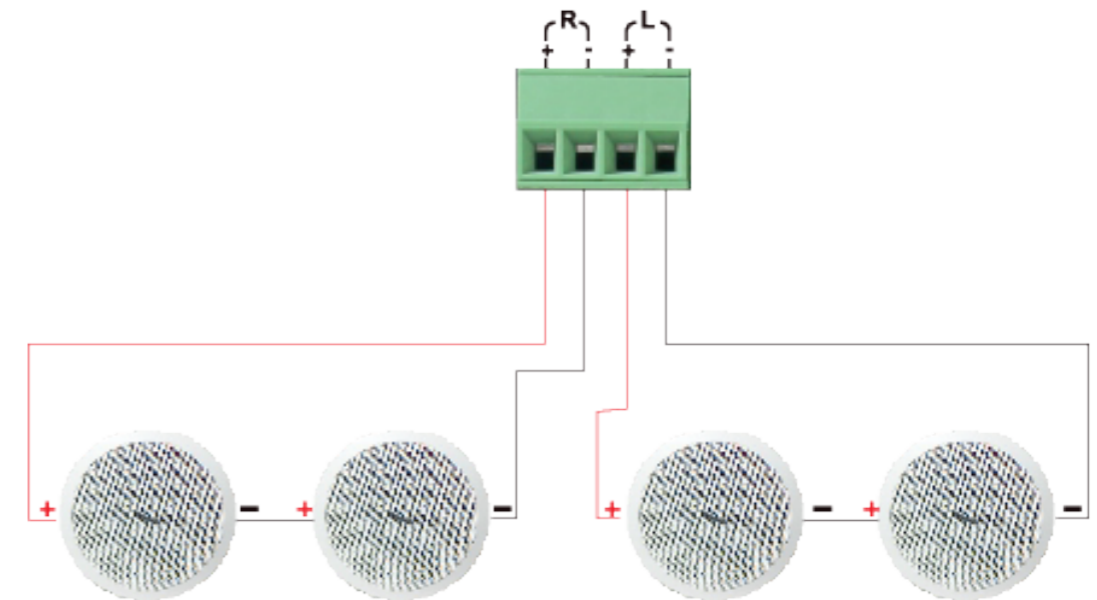
1. Put the provided standard 86 back box in the pre-buried area. Depth of the back box is 57mm.
2. Tighten the bracket with the bracket screw on the 86 cassette.
3. Tighten the wire inside the 86 cassette to the wiring of the corresponding function of the main unit, then insert the terminal into the terminal post.
4. Load the main unit into the hardware bracket, and then push down.

10. CONNECTION

**10.1 CONNECT WITH 1 PIECE OF 8 OHM SPEAKER IN ONE CHANNEL
TOTALLY 2 PIECES FOR PM-839**



**10.2 CONNECT WITH 2 PIECES OF 8 OHM SPEAKERS IN ONE CHANNEL SERIES CONNECTION
TOTALLY 4 PIECES FOR PM-839**



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