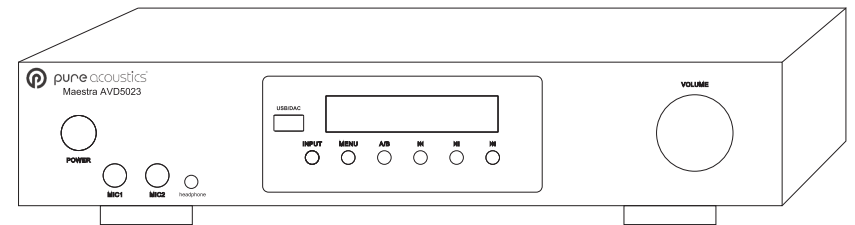




OPERATION MANUAL

2-ZONES 4-CH AMPLIFIER

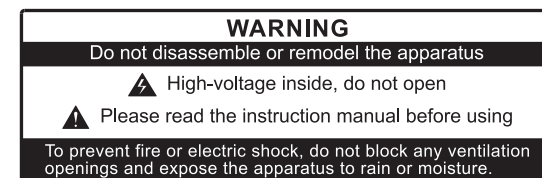
MODEL:Maestra AVD5023



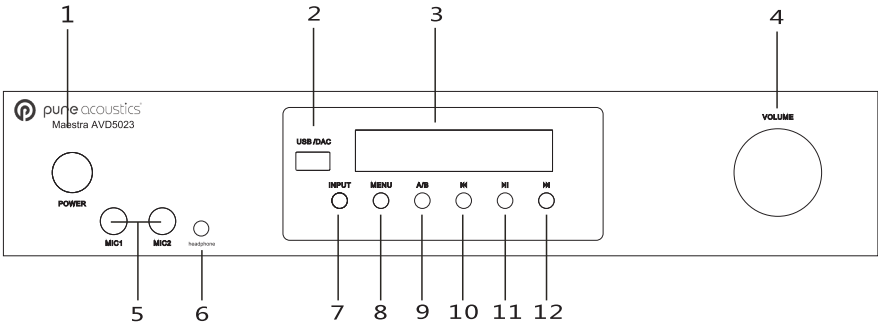
MODEL:Maestra AVD5023
2-ZONES 4-CH AMPLIFIER

Important Safeguards

1. All the safety and operating instructions should be read before the appliance is operated, and should be retained for future reference.
2. Heed Warning - All warnings on the appliance and in the operating instructions should be adhered to.
3. Power Source - The appliance should be connected to a power supply only of the type specified in the operating instructions or as marked on the appliance.
4. 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. Pay particular attention to cords at plugs, convenience receptacles and the point where they exit from the appliance.
5. Water and Moisture - The appliance should not be used near water (for example: near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.)
6. Ventilation - The appliance should be situated so that location or position does not interfere with its proper ventilation. Do not use the appliance on a bed, sofa, rug or similar surface that may block the ventilation openings.

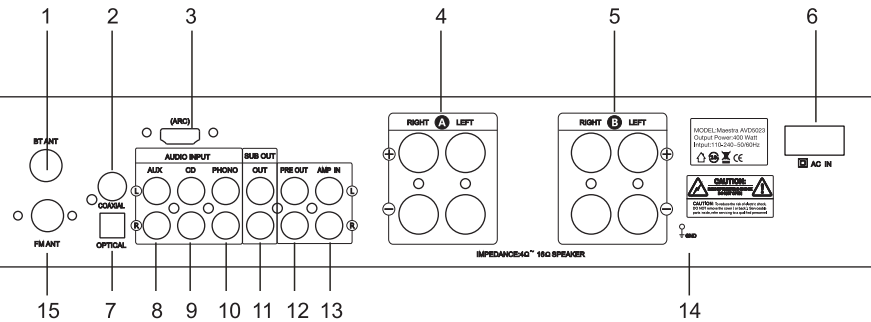


Front Panel Diagram



- 1.Power Button
- 2.USB Socket & DAC
- 3.LED display
- 4.Master Volume Control
- 5.Mic 1&2 Jack(Can connected with both wired and wireless mic)
- 6.Earphone input Jack
- 7.Input(can switch the mode with BT/USB/AUX/CD/PHONO/FM/COAXIAL/OPTICAL/ARC)
- 8.Menu(Treble/Bass/Master Vol control)
- 9.CH selection (can be switched with A/B/A+B)
- 10.Prev/Fast-reverse (only working under USB/BT/FM mode)
- 11.Play/Pause (only working under USB/BT/FM mode)
- 12.Next/Fast-forward (only working under USB/BT/FM mode)

Rear Panel

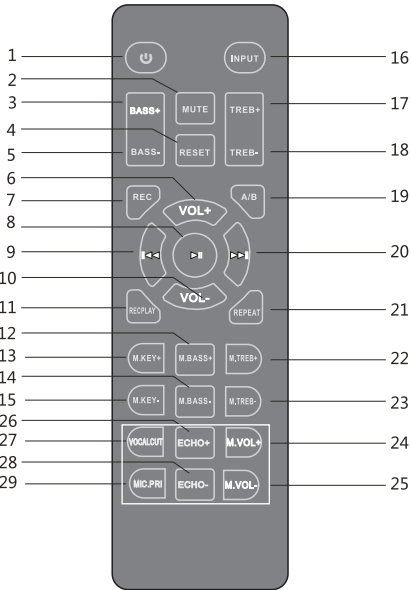
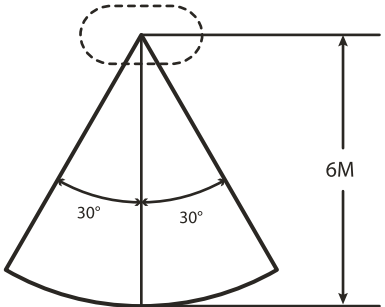


- 1. BT Antenna
- 2. Coaxial Input
- 3. HDMI ARC digital signal out
- 4. ZONE A Speaker Output
- 5. ZONE B Speaker Output
- 6. Power port
- 7. Optical Input
- 8. AUX RCA Input
- 9. CD RCA Input
- 10. PHONO stereo Input
- 11. SW OUT
- 12. Pre-amp signal out
- 13. Post-amp input
- 14. Ground wire input for Phono
- 15. FM Antenna

Technical Parameters

Input Power: AC110-240V 50/60Hz
Rated Power: 400W(4*100W)
S/N Ratio:≥78dB
THD: ≤0.1%(1W)
Frequency Response:20Hz-20KHz
Output Impedence: 4-8Ω
Dimensions (WDXH) : 360*230*70mm
Product Weight: (N.W. 2KG, G.W. 3KG)

Remote Control Range Diagram

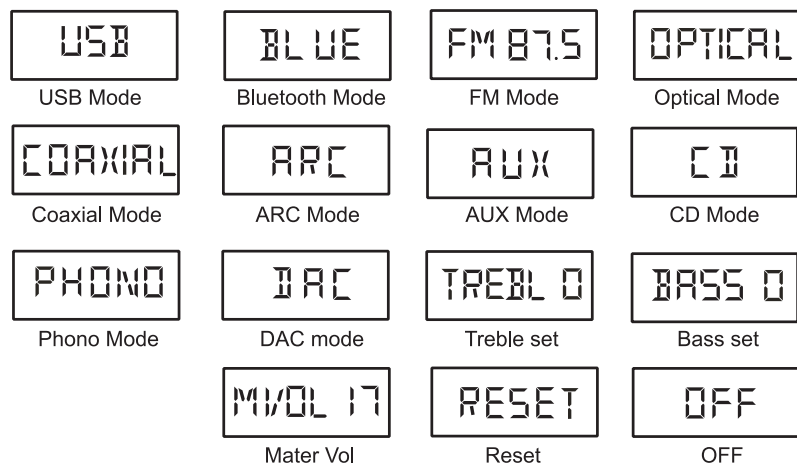


- 1.Power standby button
- 2.Mute
- 3.Bass vol+
- 4.Reset
- 5.Bass vol-
- 6.Master vol+
- 7.Record button
- 8.Play/Pause(FM auto scan)
- 9.Previous song (FM CH-)
- 10.Master vol-
- 11.Record play
- 12.Mic bass+
- 13.Mic Key control+
- 14.Mic bass-
- 15.Mic Key control-
- 16.Input signal selection
- 17.Treble vol+
- 18.Treble vol-
- 19.A+B ZONE control
- 20.Next song(Fm channel)
- 21.USB Repeat (only working under USB Mode,list cycle or single cycle)

- 22.Mic treble vol+
- 23.Mic treble vol-
- 24.Mic vol+
- 25.Mic vol-
- 26.Mic echo vol +
- 27.Vocal Cut
- 28.Mic echo vol-
- 29.Mic priority

Display Diagram

Since the display screen is made of DIGITAL DISPLAY, the display diagrams are somewhat different from the common letters. Thus, please follow below instructions to operate.



Using Operation for Amplifier Connection

Power on connection operation

1. Connect the power cable and amplifier's back panel power interface correctly, and ensure insert power-on socket properly.
2. Turn on the power switch, and the front display will appear "HI FI" and skip to BLUE or the input of memory.
3. The amplifier is powered on after above operation is completed.



Bluetooth Function

1. Select the input as BLUE by remote or control panel. When BLUE flashes, connect your phone or Bluetooth device, need pairing connection.
 - a) Please turn on the phone bluetooth or other devices and search for devices.
 - b) Device name "AVD5023" click to pair with it, no password is required for connection.
 - c) Connected successfully, there will be an audible prompt, and the BLUE icon will stop flashing, then connected.
 - d) After the connection, play a song on phone, the wireless distance is about 5-10 meters.
2. Remote control in Bluetooth mode, please refer to the remote control operation instructions.
3. The phone connected Bluetooth, speaker switch to Bluetooth mode next time, the device will be automatically match.
4. Multi devices turn on the Bluetooth at the same time, the machine will automatically match the played device last time. Please turn off the connected device Bluetooth, or the new device can't connect speaker Bluetooth.
5. Listening music under Bluetooth mode, and it is slightly noise, it's normal.

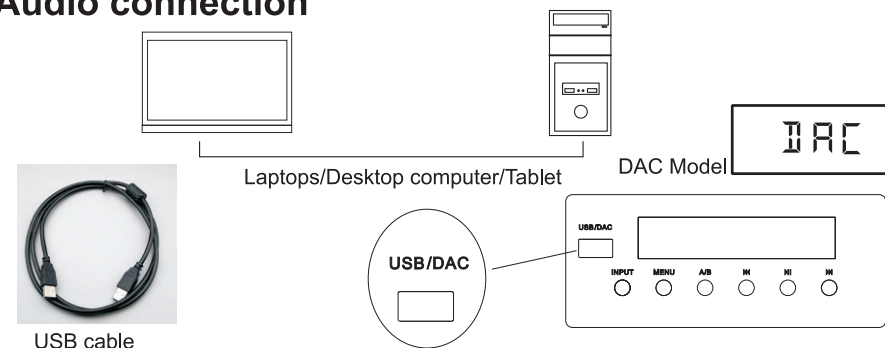


FM Connection

1. Insert the radio antenna into the FM port on the rear panel. In order to ensure the radio effect, please extend the FM antenna as far as possible out of the window.
2. Press the "Input" button on the front panel or the remote control, the number "87.5" will show on the LED display, indicating that the mode has been switched to FM mode.

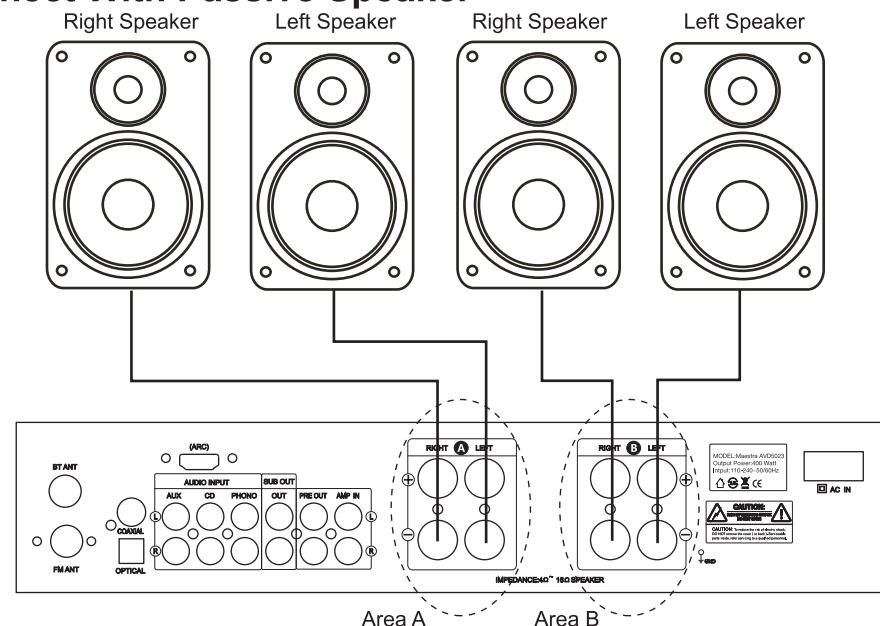
3. Press and hold the Scan button on the remote control for automatic channel search. At this time, you need to wait more than 5 minutes. The number of stations searched and the clarity of the signal will be different in different regions. The machine will automatically save the searched stations, in order: P01 / P02 / P03 / P04 ...
4. After searching, it will jump to the first saved radio station. Pls press the "◀" and "▶" on the front panel or remote control when you need to manually select the saved radio station.

DAC Audio connection



1. This amplifier is with DAC function, it can connect with the computer which has a built-in sound board.
2. Plug in the USB cable in both sides of computer and amplifier.
3. Press "INPUT" in panel or remote, until LED display shows "DAC", then increase the volume to play music.

Connect With Passive Speaker



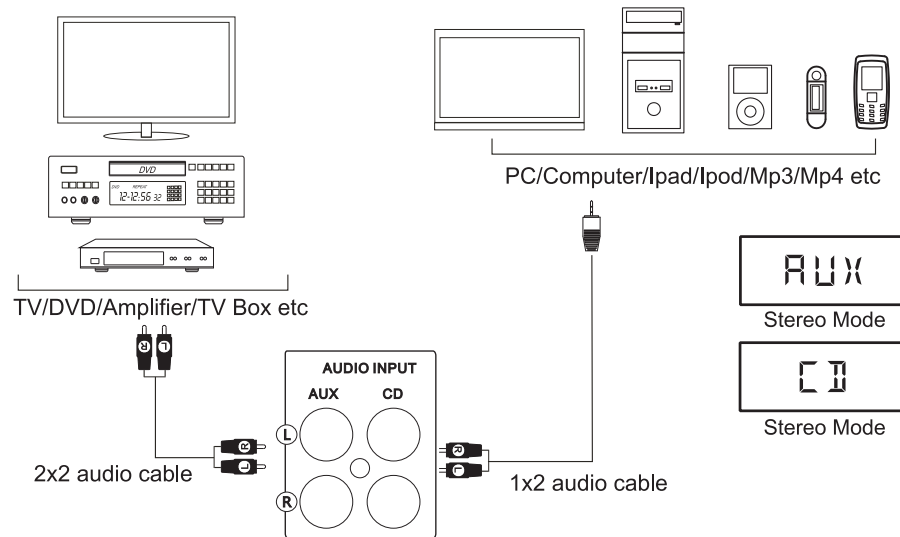
1. This amplifier can connect four speakers at the same time, divided into two groups A and B. The power amplifier can control A or B single-zone sound, or A+B sound at the same time. Make sure that the impedance of a single speaker is between 4~8 ohms.
2. The audio equipment and power amplifier need to wait for all audio cables to be connected before turning on the power button.

Use USB device

1. Insert USB into front port or insert directly in other modes to automatically read the music.
2. Press INPUT button on panel or USB button on remote control, the 00:00 countdown is displayed, the files is being read.
3. The machine automatically read the music files, please make sure the audio files are stored in USB. Do not to create the root directory, and do not to save other format such as video files. it still cannot be read normally, please try to format the USB and copy the music files again. Note that the maximum USB capacity should not exceed 32G.
4. Last/next songs, play/pause, volume level, etc. can be pressed through the control buttons on the panel or the remote control.
5. This machine with power-off memory function, support audio format MP3/WMA/FLAC/APE

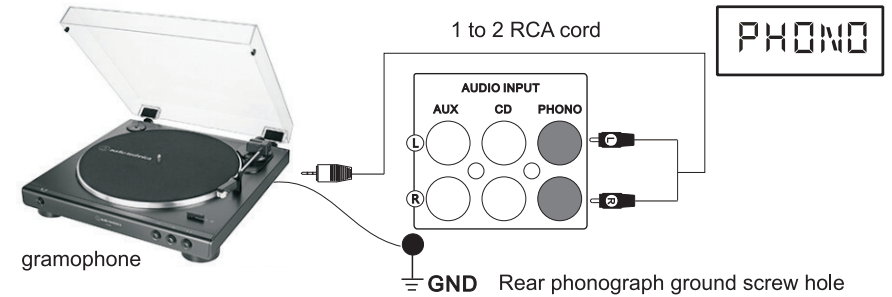


AUX Connection



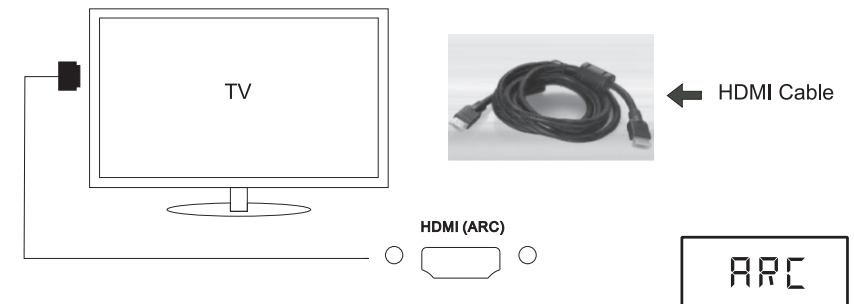
- Currently the playback devices which support AUX signal is including: TV, Projector, TV box, DVD, amplifier, phone, MP3 etc.
 - There are two types of AUX audio output interface:
 - a. 2x2 audio connect cable, L/R channel red/white stereo interface
 - b. 1x2 audio connect cable, 3.5mm headphone common stereo interface
1. Press "Input" till "AUX" shows on the display. Please note that this unit has two AUX signals for selection, and pay attention to whether it is the first port or the second port.
 2. Connect the amplifier with playback device by RCA cable properly.
 3. Adjust the amplifier volume up to 17, and play audio file.

Connect Turntable with Phono input



1. The Turntables on the market are usually with headphone output port. When connecting it, please use a 1 to 2 audio cable to connect to the PHONO port of the machine (as shown in the figure above). Please note that if the AUX or CD audio cable is also connected, to the unplug it to avoid crosstalk. Also when the Turntable is not in use, please unplug the PHONO port cable.
2. Press the "INPUT" button on the panel or remote, until "PHONO" is displayed, it indicate that the current signal has been switched to the phono mode.
3. The Phono ground wire need to connect with amplifier GND screw, it can help to reduce noise
4. After confirming that all cables are set correctly, turn up the volume of the machine and play audio on the Turntables.

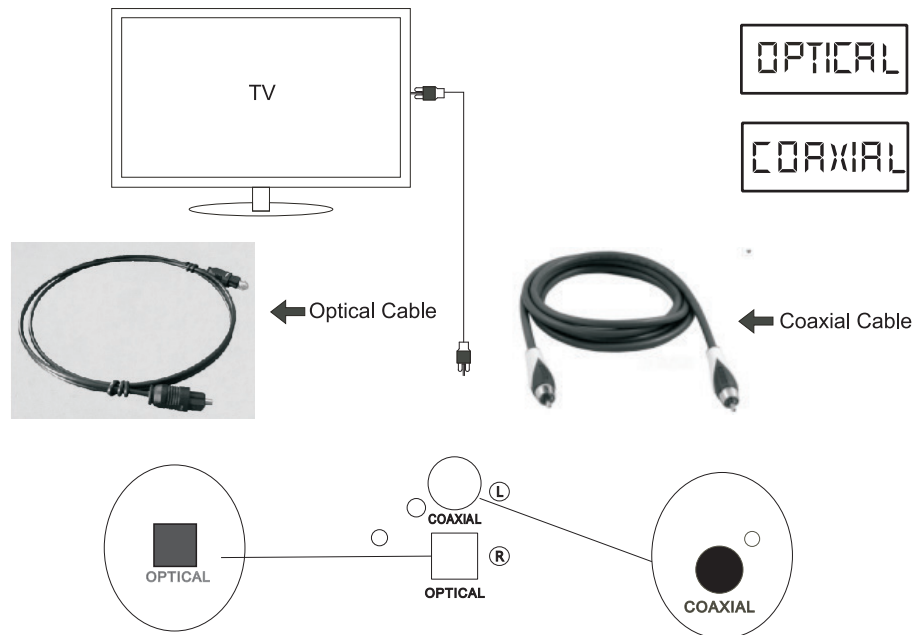
Digital ARC function



This amplifier support ARC (Audio Return Channel) function, to use this function please make sure your TV, Projector, XBOX have ARC function too.

1. Amplifier: Press "INPUT" on panel or remote to select "ARC"
- TV: set Audio output as ARC, and Audio format as PCM
2. Use version 1.4 HDMI cable (better length less than 5M) to connect AV source equipment and this amplifier, make sure the cable was fixed tightly.
3. Increase the volume both in AV source equipment and amplifier to play

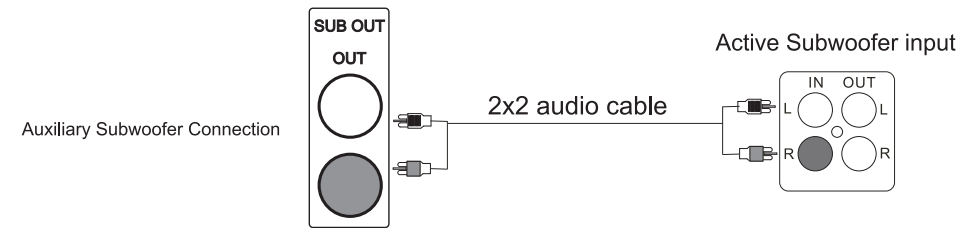
Digital Audio Connection (Optical or Coaxial)



- Optical and Coaxial are digital signal. Be different with AUX analog signal, the sound effect is much clearer through built-in decoder.
- Currently the playback devices which support “SPIDF”, “Optical”, “Coaxial” digital signal is including: TV, Projector, TV box, DVD, etc

1. Press “Input” button from panel or remote control till “OPTICAL” or “COAXIAL” shows on the display.
2. Select the adapted signal cable to connect the amplifier to the playback device.
3. Increasing the system volume of the playback device and amplifier moderately.
4. If all of above connections are correct, but the speaker still no sound and noise, please enter the playback device system settings menu as follow:
 - A. System setting --Sound setting--Select output device (TV/Optical or Coaxial/HDMI ARC/Bluetooth).
 - B. Sound setting--Audio output format (Automatic/PCM), Please select PCM.
 - C. Different brands of playback devices have textual differences in the settings menu, but they are all similar, depending on the situation.

Subwoofer Connection



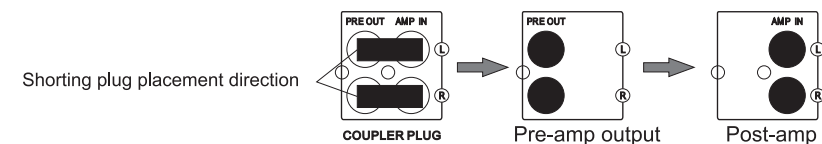
1. This interface is mainly for an upgrade configuration for individual users with higher bass requirements.
2. Connect the playback device to the amplifier by selecting the appropriate audio cable for the SW port.
3. After confirming the connection, the external active subwoofer can work regardless of any signal mode.
4. Please note that the external subwoofer must be active and equipped with a 10-inch subwoofer with RMS above 120W.
5. If the subwoofer has no sound, please increase the button Bass + sound of the remote control, and increase the volume of the subwoofer.

Earphone output sockets



1. Set volume down before using earphone
2. Connect with use 3.5mm earphone cable, make sure the plug fix tightly to avoid noise
3. When using this socket, the external speaker will stop giving sound until plug out the earphone

Pre-Amp and Post-Amp independent utility



1. This amplifier designed with independent utility for Pre-amp and Post-amp, such function will help to use with other unused amplifier. If you no need such function, please must keep the Shorting plug tightly fixed as instruction, wrong operation may cause the amp no sound.
2. If you want to use this amplifier's Pre-amp, please unplug those Shorting plug, use RCA cable to connect with PRE OUT L&R with other amplifier. The volume can controlled by this amplifier's volume setting.
3. If want to use this amplifier's Post-amp, please unplug those shorting plug, use RCA cable to connect with AMP IN L&R with other audio sources playback equipment. Under this condition, the volume could not control by this amplifier, only can controlled by audio signal giving side.

Mic Connection

6.5mm Microphone cable

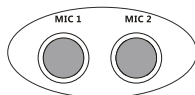


Wireless Microphone Receiver



6.5mm Wired Microphone

2 Mic Input

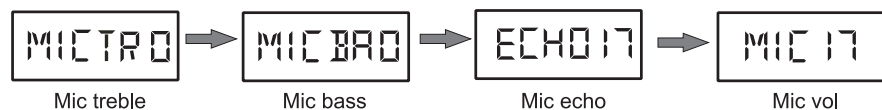


1. This unit can connect both wired and wireless microphone at the same time. Depending on the user's preference, wired and wireless mic can simply plug the 6.5 audio cable into the amplifier's single mic interface.
2. Please pay attention to the methods when using the microphone as follow:
 - a. Don't put the microphone too close to the speaker to avoid howling. Also remember not to pat the microphone and try to blow it.
 - b. The microphone should not be too close to the mouth.
 - c. If you are using a wired mic, be careful not to trip over the cable. If the wireless microphone is not used for a long time, please remove battery.
3. Regarding the microphone sound effect, it depends on the volume setting of the speaker, as well as the sound quality of the microphone and the live environment.

Microphone Volume setting

1. This amplifier has rich Mic setting menu, it can adjust Mic treble/mic bass/mic vol/echo/key
2. MENU is a compound key, please operate it as below instruction
3. Long press M.KEY+ or M.KEY- can set tone in middle
4. When Mic priority function on, the back ground music volume will down, otherwise it will be in same volume level
5. Set vocal cut function on, the back ground music will be accompanying music
6. Mic priority and Vocal cut function could not be remembered, when the amplifier power off, these two function will be off too.

Mic treble/bass/echo/vol setting



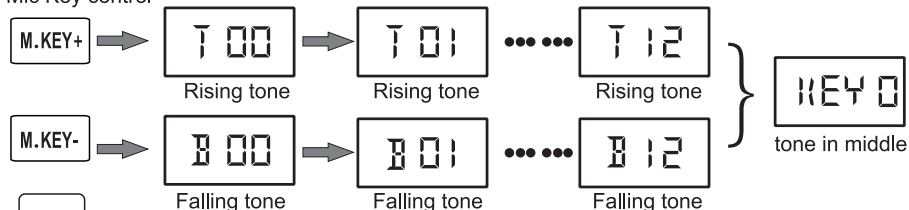
Mic treble

Mic bass

Mic echo

Mic vol

Mic Key control



Rising tone

Rising tone

Rising tone

Falling tone

Falling tone

Falling tone

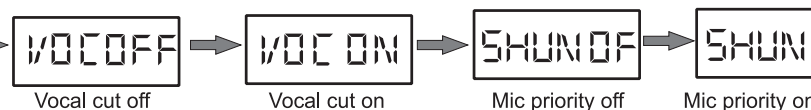
tone in middle

VOCAL OUT

VOCAL CUT

MIC.PRI

MIC PRIORITY



Vocal cut off

Vocal cut on

Mic priority off

Mic priority on

Record Function Setting



Remote printing

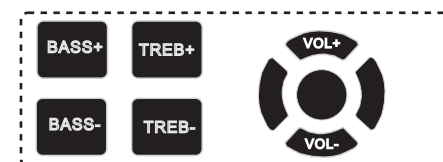
REC

Record function can do external audio record under all the input selection (except USB).

1. The process: plug in USB flash disk, to play the audio from this amplifier (any input except USB) or the external audio source, press "REC" button, LED will show "REC" when time start going, means record is going, press "REC" again for stop.
2. To play the record audio file will be same as playing USB audio file.
3. If want to review the recording effect, can press "REPLAY". The delete function only can be operated in PC.

Volume setting

A. Bass/Treble/Volume control



Remote control

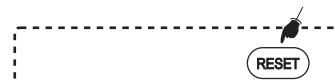
TREBL 0

BASS 0

MV017

1. This amplifier treble and bass setting can be set by remote with TREB +/TREB- and BASS+/BASS-, the default volume is 0, the max gain is 6
2. For panel button control, please press MENU to find BASS and TREBLE, and turn the volume button to adjust the volume
3. For master volume, just press Vol+ or Vol- in remote, the default is 16, max gain is 32

B. Reset and Memory function



Remote control

RESET

1. This amplifier volume had been set as the best state, if you don't satisfied with subsequent setting, just put RESET to factory default.
2. This amplifier have power off memory function, can remember previous input mode and volume setting.

C. Power off settings



Remote control

OFF

1. After press the power standby button of the remote control, the screen will appear OFF for 5 seconds, then the display will not light up. At this time, the machine is in a soft shutdown state. At this time, if you want to turn on the machine, you need to press this button again. It can work normally until the screen lights up.
2. If the machine is not used for a long time, it is recommended to turn off the power button on the panel or unplug the power cord to prolong its service life.

Package Contains

1.Amplifier*1 2.Remote Control*1 3.Power Cord*1 4.BT/FM Antenna*1 5.Operation Manual*1

Trouble Shooting

Problems	Cause	Modified methods
Screen displays disorder or malfunction	●Influenced by the outside element.Computer has problem.	●Turn off the set, pull out the wire, reinsert it then start the set again
No sound	●The speaker terminal connects improper ●The sound frequency in terminal wrong connects or improper ●The power plus connects with the socket improper ●The volume is too low ●Press the MUTE key on the panel ●The speaker terminal is short-circuited ●Shorting plug unconnected or poor contact	●Connect tightly ●Check and connect the sound frequency in terminal properly ●Connect the power correctly ●Turn the volume to the suitable position ●Press down MUTE key ●Cut off the power and connect the speaker well. then start the power again. ●connect shorting plug firmly as right direction
Sound distortion	●The amplifier input terminal wrong connects ●The volume is too loud	●Connect properly ●Properly adjust the volume of the corresponding channel
The Sound doesn't continue and replays has "Di-DA" noise	●Using the speaker with the impedance less then 8 Ω ●The Volume is too loud ●The speaker terminal is short-circuited or connected improperly	●Using the speaker with the impedance 8Ω ●Adjust the volume to the suitable position ●Cut off the power and connect the speaker correctly, Then turn on the power