



## 100Wx2 Stereo Audio Amplifier with BT Receiver

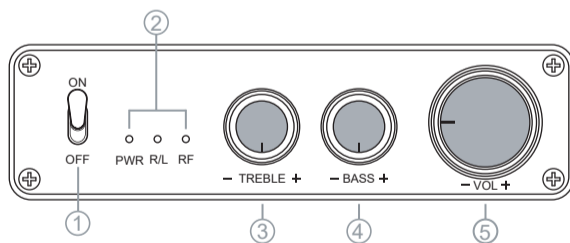
### User Manual

ARC-016B

#### Warning:

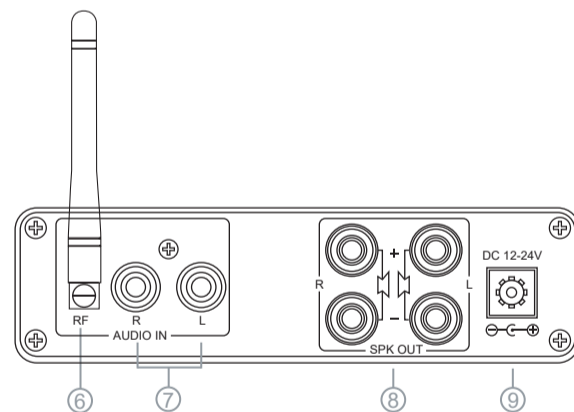
1. Please do not open the shell without permission. Improper operation may cause the danger of electric shock.
2. Please use the power supply of the regular manufacturer, otherwise it will damage the device.
3. Please do not use the device in a high temperature and humidity environment.

#### Front & back surface interface:



- ①.....Power NO/OFF
- ②.....LED indicator light
  - PWR – Power on LED indicator light
  - R/L – R/L input LED indicator light
  - RF – Bluetooth input LED indicator light
- ③.....Treble Knob (increase clockwise and decrease counterclockwise)
- ④.....Bass Knob (increase clockwise and decrease counterclockwise)
- ⑤.....VOL+/- (increase clockwise and decrease counterclockwise)

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- ⑥.....Bluetooth antenna
- ⑦.....Input interface of audio (Such as CD, DAC decoder, mobile phone, TV, etc., red to right channel input, white to left channel input)
- ⑧.....Speaker output (red to positive, black to negative, L to left speaker and R to right speaker)
- ⑨.....Power interface (DC 12V-24V)

#### NOTE:

Bluetooth pairing name: GVAUDIO

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**Specifications:**

Bluetooth version	V5.0
Bluetooth decoding mode	APT-X, AAC, SBC
Bluetooth protocol	A2DP V1.3.1, AVRCP V1.6 ,HFP V1.7, HSP V1.2
Bluetooth distance	>10M
Max power output	100W*2@4Ω load
Speaker matching impedance	4-8Ω
Working voltage	DC12-24V
Input sensitivity	0.2mV
Bass/Treble	±10dB
Frequency range	20Hz-20kHz(±3dB)
THD	OUTPUT=1W 0.01%
SNR	≥98dB
Bare weight	407g
Dimension(L*W*H)	134*135*35MM

**Operation Steps:**

1. Make sure the VOL button to the minimum.
2. Connect the left and right speakers according to the interface instruction of the rear surface, and pay attention to distinguish positive and negative.

3. Connect the sound source (input) that needs to be used (Use Bluetooth transmission to refer to the step 6)
4. Connect to power.
5. Turn on power switch.
6. The Bluetooth receiver will be on standby when you turn on the power (Bluetooth pairing name: GVAUDIO), but the amplifier will output the R/L(2RCA) input signal audio if you didn't pair with bluetooth devices, R/L indicator LED will be lighted. And it will change to Bluetooth audio after pairing successful or reconnect with your phone, the RF indicator LED light will be lighted. And it also will automatically change to R/L(2RCA) input signal when you disconnect or turn off the Bluetooth on your phone.
7. Turn the VOL button clockwise to select the desired volume.
8. With volume adjustment can choose reasonable EQ through rotating potentiometer

**Frequently Asked Questions:**

- Q: All cables are connected, but no sound output?
- A: 1. Check if the power indicator is on,if not,turn on the power,once the indicator light still doesn't light up when power is turned on,please connect another power(like laptop power)to check whether it's device failure or power failure
2. If the indicator light is on, check whether the VOL knob is in the minimum position. If so, turn clockwise to normal volume.
3. If both of the above are normal, check the input device if it is paused, muted, or the volume is minimized.
- Q: Why does the sound is cracking?

- A: When the output power exceeds the normal power of amplifier, there will be a large distortion. You can turn down the front volume or the power amplifier volume, then it is OK.
- Q: Why do loudspeakers make a lot of current noise?
- A: If you are not using the original factory standard power supply, please replace the power supply before testing. Many power adapters in the market have large interference coefficient, which will cause a lot of current sound.
- Q: Why connect the signal cable and no music playing there have interference sound?
- A: If you use unshielded signal cables, there will be interference signals entering the power amplifier. If you hate the sound, you are advised to use the shielded signal cables or unplug the signal cables.
- Q: Why does the amplifier stop working after a period of time? After a period of time off, it was working again
- A: Normally in this case, the amplifier is overheat protected, and the output power may have exceeded the designed power, so you can lower the volume a little and try again.
- Q: Why does the volume of the machine stay the same, while the sound of different audio sources (such as CDs and mobile phones) is different?
- A: The output range of different types of audio source devices is different, the mobile phone is usually 0.35mV, and the CD is 1V. The signal output amplitude of the sound source will directly influence the volume.
- Q: Why the sound of the power amplifier is not very good at the beginning, the high frequency is not clear, but after working for 8 hours the sound is normal?
- A: Speaker and amplifier are very sensitive devices,they also need to know each other and have matching process,usually the new power amplifier and speaker will work well after more than ten hours working.