



Fosi Audio

Fosi Audio BT20A User Manual



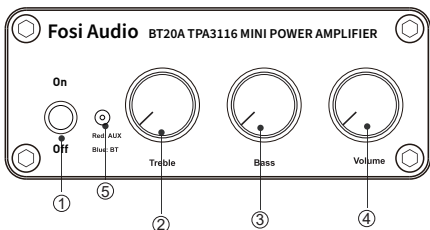
Thanks for choosing us!

Product Specifications

Fosi Audio BT20A is a Hi-Fi wireless stereo 2-channel amplifier that features 100W x 2 output, and Bluetooth 5.0 streaming range up to 50ft (15m), it is a mini power amp which is equipped with bass and treble control. Simple compact design but practical and powerful! Home Hi-Fi integrated amplifier designed for the customers who pursue Hi-Fi sound!

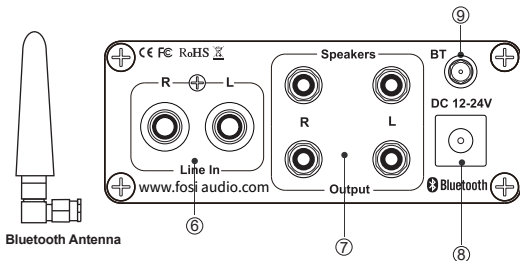
Audio Input:	Bluetooth / RCA
Bluetooth Version:	Bluetooth 5.0
Bluetooth Pair PIN Code:	0000 or 1234
SNR:	≥ 98dB
Input Sensitivity:	≤ 280mV
THD:	≤ 0.5%
Max Output Power:	100W + 100W
Power Supply:	24V 4.5A
DC Input Range:	12 - 24V
Terminating Impedance:	2Ω - 8Ω
Bluetooth Transmission Distance:	Up to 50 Ft
Frequency Range:	20Hz - 20kHz (±1 dB)
Input Mode:	Bluetooth and Analog
Product Size:	130 x 100 x 35 mm
Product Weight:	700g

Product Overview & Control Functions



Front Panel

- ① Power Switch
- ② Treble Control
- ③ Bass Control
- ④ Volume Control
- ⑤ Power Indicator Light



Back Panel

- ⑥ RCA Input
- ⑦ Speakers Output
- ⑧ DC 24V Input
- ⑨ Bluetooth Antenna

Package Contents

Fosi Audio BT20A Amplifier*1
AC Power Cord*1
24V Power Supply*1
Bluetooth Antenna*1
Instruction Manual*1

Quick Setup

Preparation

Prepare 1: BT20A, 24V power supply, passive speakers, speaker wires or banana plugs;

Prepare 2: Connect the BT20A to the passive speakers via the speaker wire or banana plugs;

Prepare 3: Connect the 24V power supply to the DC input;

Prepare 4: Toggle the power switch on the front panel upwards to turn on the BT20A amplifier.

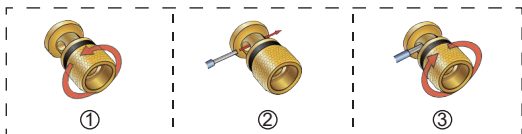
Note: Be sure that the volume/power switch is in the OFF position before connecting the power supply.

How to connect the speaker wire?

Method 1: Bare wire connection illustration

- ①: Release the horn terminals block terminals;
- ②: Insert the two ends of the speaker wire into the amplifier and speaker terminal holes;
- ③: Tighten the horn terminals;

Note: Please avoid the speaker wires being exposed and touching the amplifier casing, as this may cause a short circuit fault.



Method 2: Banana plugs connection illustration

- ①: Release the banana jacket;
- ②: Loosen the screw;
- ③: Insertion speaker wire and tighten the screw;
- ④: Tighten the banana jacket;
- ⑤: Insert the banana plug into the horn terminals of the speaker and amplifier.

Note: Please take care to avoid contact between the two banana plugs and causing a short circuit fault as some of the banana plugs are metal cased.



Bluetooth for example

Prepare your Bluetooth device (take a phone as an example)

Step 1: Install the Bluetooth antenna to the BT20A.

Step 2: Turn on the Bluetooth on your phone and search.

“ Fosi Audio”or “Fosi Audio BT20A”, after connecting to BT20A, the indicator light shows blue light.

Step 3: Open the audio application, play and enjoy!

RCA Input for example

Prepare: audio source (take a phone as an example), a RCA cable or a 3.5mm AUX to RCA cable (some devices will need)

Step 1: Connect your phone to BT20A via a 3.5mm to RCA cable;

Step 2: After connecting to BT20A, the indicator light shows red light;

Step 3: Open the audio application, play and enjoy!

Note: Please keep the BT20A away from other electric device. The BT20A can't use with a radio simultaneously.

Troubleshooting/QA

1: What type of speakers work best with BT20A Amplifier?

- Fosi Audio BT20A works great with any 2-8Ω passive speakers.

Note: please know that the BT20A amplifier is for passive speakers, not for powered speakers and subwoofer.

2: Why Bluetooth is intermittent?

- Use another Bluetooth device to have a try.
- Ensure that there is no interference from other electronic equipment between the BT20A and the audio source.
- Put your device close to the BT20A.
- Replug the power adapter.

3: Why does the BT20A make serious noise when used together with a radio?

- common feature of Class D power amplifiers is that they can cause serious noise when used with a radio, so we do not recommend using the BT20A with a radio or too close to it.

4: Can I connect a turntable to BT20A amp, why is the volume is extremely Low?

- As for the turntables do not have a built-in preamp, you need to add an external phono preamp before connecting BT20A.
- As for the turntables which have a built-in preamp, you need to switch the preamp on before connecting BT20A.

5: Why does my power indicator not light up?

- Please check that the AC power cord is securely connected to the power supply and to an AC power outlet.
- Please check that the AC power outlet is supplying power, make sure the power LED on the power supply will stay on.
- Please replace another power supply and try it again. 12-24V DC power supply are suitable.
- If you make sure the power supply is defective, please contact us for exchange.

6: Why does the sound is cracking or make a lot of electric noise?

- Please make sure all the cables completely pushed into the devices, incompletely connection will cause this cracking.
- Please remove all the inputs then check whether cracking noise disappear or not, the cracking maybe from the audio source or input cables.
- If you are not using the original factory standard power supply, please replace the power supply before testing. Many power supply in the market have large interference coefficient, which will cause a lot of current sound.



7: Can I use headphone with this product?

- No, the BT20A cannot be connected to headphones and only supports passive speakers.

8: How can I switch between Bluetooth input and RCA input?

- You can connect this amp via Bluetooth as well as wired input. But if Bluetooth connects, playback from the RCA input is interrupted. You need to turn off the Bluetooth from your device if you use RCA input when Bluetooth pairing.

Input priority: Bluetooth input > RCA input

9: Why there is no voice from my amplifier?

- Please check whether the cable of power supply is connected to BT20A and whether the power indicator is on.
- Make sure the BT20A's indicator light is on when the power is turned on.
- Please check that the BT20A and your source components are turned on and not set to minimum volume, if possible replace your source and test again.
- Check that the wire connections from the audio source to each speaker in the amplifier are connected correctly.
- Please check that the cable is not loose, damaged. Incomplete connection is one of the main reasons for no sound.
- Please make sure the Bluetooth is paired, if Bluetooth is connected, the playback of RCA input will be interrupted. If you want to connect this amplifier with a RCA cable, you need to interrupt the Bluetooth first.

10: My Bluetooth device cannot pair with BT20A?

- Make sure that BT20A is powered on.

- Make sure that BT20A is not paired with other devices.
- Make sure that the distance between your device and BT20A is not too long, close your device to BT20A to have a try.
- Make sure there are no obstacles between your device and BT20A, obstacles will affect the Bluetooth operation distance.
- Please try to change another Bluetooth audio source to test.
- Please reconnect the power supply to the BT20A, and move the BT20A to another room to have a try.
- Restart the BT20A and then try to connect again, try to use another Bluetooth device.

11: How much power does this use in standby mode? Can this amp be left on all the time?

- This is the class D amplifier, it will cost very low power when it is in standby mode. It can be connected all the time and it is safe without power consumption.

12: Sound quality is not good?

- Make sure all the cables are fully connected.
- Adjust the treble and bass control of the power amplifier to achieve the right tone.
- Please try to change the sound source and cables to test.

13: Should I unplug the power cord?

- If the item will not be used for a long time, please unplug the power plug to prevent the item from being burnt due to lightning strike.

14: Can I bridge channel 1 and channel 2 to get 200watts?

- NO, this amplifier can't be bridged.

15: How can I connect BT20A to TV?

- Because the BT20A has an RCA input, it can be connected to a TV.

16: Can BT20A accept signal from a Bluetooth microphone?

- If your Bluetooth microphone is a Bluetooth transmitter, then yes. This amplifier is the Bluetooth receiver amplifier.

17: Why the sound cut in and cut out?

- Try to reduce the sound of the sound source.
- Try to change the audio source to test.
- Reduce the volume of the treble and bass knob on the BT20A.
- Ensure that the positive and negative poles of the speaker output do not touch together. Some relatively large banana plugs are easy to touch together and cause a short circuit.

18: What is the difference between BT20A and BT10A?

- Fosi Audio BT20A has 100 Watts*2 MAX power output, the Fosi Audio BT10A has 50 Watts*2 MAX power output.

19: Can I take the BT20A to other countries?

- Yes, the wide voltage AC 110-240V for power input can be used in any country. You only need to match the power cord adapter of the corresponding country.

Any problems please leave a message to the customer support email address: support@fosiaudio.com

Warranty Information

- All Fosi Audio products have an 18-month limited warranty on parts and labor from the date of purchase. Please contact us if you have any problems.

About Fosi Audio

- Fosi Audio designs and builds innovative audio products with all your music in mind. Great sound, simple but elegant designs, high-quality materials, and truly useful features are what Fosi Audio is about. We sincerely hope you get as much enjoyment from our products as we've had to create them!

Our website: www.fosiaudio.com

Amazon store: www.amazon.com/fosiaudio

Our Youtube channel: Fosi Audio

Our Facebook page: Fosi Audio

After-sale Service and Technical Support Email:

support@fosiaudio.com

fosiaudio@hotmail.com



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

