



Fosi Audio TP-03 User Manual



Before using this product, Please be sure to read carefully this instruction manual and keep it safe for further reference

Introduction

Welcome to the Fosi Audio family and congratulations on your purchase of the Fosi Audio products.

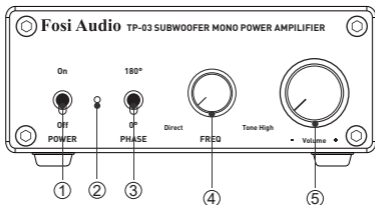
The Fosi Audio team is dedicated to bringing you the highest-quality listening experience and the Fosi Audio converters were designed with the same attention to detail and operational simplicity as all other Fosi Audio products. Our goal is to get you to your music as simply as possible without all the “gadget tinkering” many other products require. As with our past efforts, we thank our customers, distributors, and resellers for the inspiration to create another great product.

Product Parameter

- Mono Full-Frequency Amp
- Subwoofer Amplifier
- With Sub Frequency Control and Phase Set

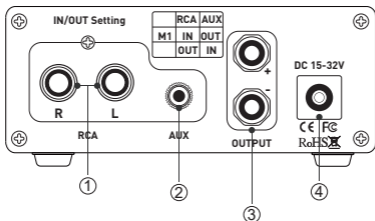
SNR:	≥ 106dB
THD:	≤0.03%
Input Sensitivity:	≤ 0.2mV
Output Power:	220 Watt
Power Supply:	24V 4.5A
Terminating Impedance:	4Ω
Full Frequency Response:	20Hz-20KHz(+3db)
Input Mode:	RCA and 3.5mm AUX in
Product Size:	5.12 x 3.54 x 1.57 mm
Product Weight:	650g

Product Overview



Front Panel

- ① Power Switch
- ② Power Light
- ③ Phase Adjustment
- ④ Subwoofer(FREQ adjust)& Full frequency output
- ⑤ Volume Adjustment



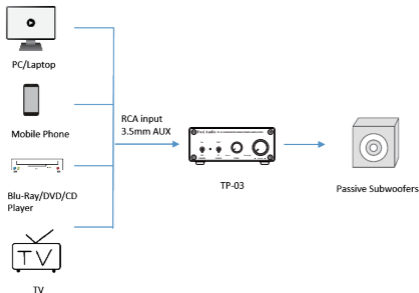
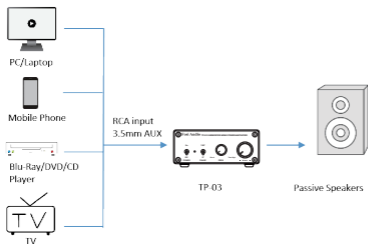
Back Panel

- ① RCA Input
- ② 3.5mm AUX Input
- ③ Speaker Output
- ④ DC Input

Package Includes

Fosi Audio TP-03 Subwoofer Amplifier/ Full-Frequency Amplifier
AC Power Cord
24V Power Supply
Instruction Manual

Quick Setup



Setup and Operation

How to use the TP-03 subwoofer amplifier?

Step 1: Connecting the Speaker Wire

TP-03 accept bare wire, banana plugs, spade lugs, or pin terminators. Please turn off the amplifier before connecting it to the speakers.

Preparing the Speaker Wire

- ① Separate the last 3" of each speaker wire conductor.
- ② Strip 1/2" of insulation from the end of each wire.
- ③ Twist the exposed copper strands with your fingers 3 or 4 times so the strands stay together.

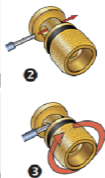
NOTE: As you make your connections, be sure to connect the positive (+) terminals on your amplifier to the positive (+) terminals on your speaker. Even if your wire does not have (+) or (-) markings, most 2-

Using Bare Wire

Most 2-conductor speaker wire has printing on one side to help you differentiate between the wire pairs. The 4 pictures show how to make banana connections as follows:



Banana Plugs Connection



Bare Wire Connection

- 1). Use your thumb and finger to unscrew the binding post connectors on the back of each speaker.
- 2). Insert each speaker wire into the holes on the side of the binding post connectors, observing proper polarity.
- 3). Retighten the binding posts with your fingers.
- 4). The stripped portion of the wire should be secured firmly in each connector.
- 5). Make sure that none of the speaker wire strands have come in contact with an adjoining terminal.
- 6). Repeat steps 1 and 5 to connect speaker wires to the amplifier.

Step 2: Connecting the Power Supply

Be sure that power switch on the front panel is in the OFF position and the VOL knob is turned to the minimum before connecting the power supply.

Connect the cable with the round end from the power supply to the rear panel power connector. Connect the AC power cable from the power supply to a power outlet and verify that the indicator light on the power supply is illuminated. We recommend using a high-quality surge suppressor and/or AC line later on all electronics equipment.

Step 3: Connecting Audio Sources

Using the appropriate audio cable (AUX cable) connect your audio source (computer, iPod, etc.) to amplifier audio inputs.

Step 4: Operation

If you use the TP-03 as a subwoofer amplifier, turn the FREQ knob clockwise in the direct position. You can adjust the frequency of the subwoofer by the FREQ knob. (Normal subwoofers do not need phase setting, so put the PHASE switch in the 0° position.)

Then turn on the TP-03 power switch, set the volume control to an initial set of about 12 o'clock. Turn on your audio input source and adjust the volume and SUB frequency to your desired listening level.

If you use the TP-03 as a mono full-frequency power amplifier, turn the **FREQ** knob counterclockwise in the **FREQ** position.

Then turn on the TP-03 power switch, set the volume control to an initial set of about 12 o'clock. Turn on your audio input source and adjust the volume to your desired listening level.

Troubleshooting Tips

1: Power Supply Indicator is not Illuminated.

- 1). Check to see that the AC power cord is securely connected to the power supply and to an AC power outlet.
- 2). Check that the AC power outlet is supplying power, make sure the power LED on the power supply will stay on.
- 3). If you make sure the power supply is defective, please contact us for exchange.

2: If the Power Supply Light is on But You Are Experiencing an Audio-Related Issue, Try These Tips.

- 1). Verify that the volume/power control on the front panel is not turned all the way down or powered off (we recommend setting the volume to at least the 12 o'clock position).
- 2). Check that the volume level of your audio source component or device is not set to minimum volume or powered off.
- 3). Check speaker wire connections from the amp to the speakers by removing the speaker wire from each speaker and then reconnecting. Also, check the speaker wire polarity by verifying that the wires are going to the same terminals on both speakers.
- 4). Check that the cables from your audio sources to the amplifier are properly connected. Confirm this by unplugging the audio cables and then reconnecting.



- 5). Try decreasing the volume of the input audio source and increase the volume of the amp.
- 6). Try using different audio input sources and/or devices to see if the problem follows.
- 7). Try swapping your left and right speaker to see if the issue remains on the same channel or if it follows the speaker.
- 8). If you are using a computer connected to the amplifier, make sure the volume is up on your media player, internet radio, master control, device volume, etc. and that the balance control is centered.
- 9). If you are using a wireless adapter, preamp, or an external DAC with your amplifier, remove these (temporarily) and connect the audio source directly to the amplifier then to speakers.
- 10). If your input source has its own EQ, please make sure the low end is at a moderate level, as having too much bass in your signal can obviously cause some unwanted distortion.
- 11). Move your amplifier and speakers to a different location to see if something is causing interference in the current setup. Something as simple as a wireless internet router, cordless or mobile phone, or halogen lamp nearby can cause interference.

3: No Sound.

- 1). Recheck speaker wire connections from the amplifier to each speaker.
- 2). Verify that the amplifier and your source components are turned on.
- 3). Check that the AC wall outlet is on and working.
- 4). Check that the cable from the power supply is connected to the amp and the power supply indicator is on.
- 5). Check that the volume/power knob on the front panel is turned on and not set to the minimum volume.

- 6). Check that your audio source(iPad, computer, etc.) are turned on and not set to the minimum volume, please change the audio source if you can.
- 7). Check that the cables from your audio sources are working and are properly connected.
- 8). Please sure the “Power” LED on the amp is on when you switch on.

4: Lack of Bass or Poor Imaging.

- 1). Check the polarity of the speaker wires on the amplifier and both speakers.
- 2). Check the EQ or sound settings on your audio source.
- 3). Make sure the bass control on the amplifier has set up.

5: Sound Distorted.

- 1). Decrease the volume of the input audio source and increase the volume of the amplifier.
- 2). Please make sure your speakers are passive speakers, not active speakers.
- 3). Please unplug the RCA input, connect this amp to your speakers, then connect it to power supply, switch on and volume up, to hear whether noise or hum remain, if yes, the issue may from the amplifier or your speakers, if not, the issue may from your RCA cable or audio source, please change the audio source and audio cable to try again.
- 4). Please make sure all the cable completely pushed into the device, incompletely connections will create distorted.
- 5). Please make sure the TP-03 have enough power to drive your speakers, check the specs of your speakers, and if you need more power, you can use a more powerful power supply, such as 24V 8A, 24V 10A.

6: Lack of Bass or Poor Imaging.

- 1). Check the polarity of the speaker wires on the amplifier and both speakers.
- 2). Check the EQ or sound settings on your audio source.
- 3). Make sure the bass control on the amplifier has set up.

7: Low Volume.

- 1). Recheck the volume on your audio source and this amplifier is turned up and not set to minimum volume.
- 2). Please make sure your audio source needs a pre-amp or not.
- 3). If you are using the turntable, please make sure that if your turntable needs an phono preamp or not, some turntable built-in phono preamp, some are not.

8: Hum Noise.

Adding a new component such as your BT10A amplifier can bring out hum or buzz that may not have existed before. Your first assumption may be that something is wrong with the component but this is generally caused by a “ground-loop” in your system.

Consider these tips for possible solutions:

- 1). First, try moving all components to the same electrical circuit or AC outlet.
- 2). If the hum or buzz is still present, power off all gear and remove the mini-jack and/or RCA audio cables to and from the BT10A amplifier.
- 3). Turn the TP-03 back on and check for hum. If the noise is still audible try plugging the power supply power cable into a different AC outlet.

- 4). If the hum goes away while the audio cables are still disconnected, the noise is likely coming from another component in your system. Connect each component back one at a time and the one that causes the system to hum is likely the culprit.
- 5). A common ground-loop source is from cable TV or satellite cables. If the hum or buzz persists after trying the previous tips, disconnect the audio cable from your cable box, TV, or DVR and if the hum goes away the cable is the cause. In this case, you can get a ground-loop isolator from your local electronics store. These are inexpensive and easy to connect inline with your video cable.
- 6). Sometimes something as simple as a portable heater or dehumidifier will add noise into your wall wiring that could be picked up by your audio gear. A dimmer switch on a halogen lamp, a wireless internet router, or wireless phone near the amplifier, for example, could also all be possible culprits. The best overall solutions are to use an AC line filter, plug the unit into a different AC circuit, or in the case of noise introduced by a wireless router, for example, move it further away from your audio gear.

Troubleshooting Tips

1: What Type of Speakers Work Best with TP-03 amp?

- TP-03 amp works great with any 2, 4, 6 or 8-ohm passive speakers and subwoofers. But Please know that the amplifier is for passive speakers or subwoofers, not for powered speakers and subwoofers.

2: Can I Connet a Turntable to My Amp,Why is the Volume is Extremely Low?

- Some Turntable may not have a built-in preamp and you would need to add an external phono preamp to bring the instrument-level signal of the turntable to line-level. Some turntables may have a built-in preamp but have a switch on the back for either “line” or “phono”, such as the Music Hall USB-1 or the Audio Technica AT-LP120, the switch would need to be selected to “line” in order to work directly with the speakers.

3: Can I Take My Amp to Another Country with a Different Voltage?

- Fosi Audio amps come with a power supply that accepts AC110V-240V, it will automatically convert to different voltage when plugged in. The power cable is also detachable which makes it convenient to replace the AC plug with a different type if you don't want to use an adapter plug.

4: Can I Leave the Fosi Audio Amps Power on all the Time? Does it safe?

- Sure, the Fosi Audio amps are class d amplifiers, will cost very low power when nothing playing through it, and it's safe and you can leave it on all the time.

5: Can I exchange the power supply come with the amplifier and to get more power?

- The TP-03 come with 24V 4.5A power supply, it's enough for most bookshelf speakers, but if you want to get more power, you can exchange the power supply, the voltage range is DC12-24V, you can use 24V 8A, or 24V 10A power supply.

Comparison

Model	BT20A	BT10A	TB10A	V1.0G	TDA7498E
Channel	2.0CH	2.0CH	2.0CH	2.0CH	2.0CH
Bluetooth Version	5.0	5.0	-	-	-
Max Output Power Per Channel	100watt	50watt	100watt	50watt	160watt
Bass and Treble Control	YES	NO	YES	NO	NO
With BT and AUX selector	Auto Switch	Auto Switch	-	-	-
Input ways	RCA + BT	AUX + BT	AUX	AUX	AUX
Output to	Passive speakers	Passive speakers	Passive speakers	Passive speakers	Passive speakers
Power Supply	24V	19V	24V	19V	24V
Additional Features	Best seller	Simple but Powerful	Best seller	Really clean sound quality	Powerful and great sound quality
Size	130*100*35 mm	107*87*30 mm	130*100*35 mm	130*100*35 mm	130*100*35 mm

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.

Note: After-sale service email
support@fosiaudio.com

What Is Covered?

- All defective parts or faulty workmanship.

What Is Not Covered?

- The warranty doesn't cover damage caused by accident, misuse, abuse, neglect, excessive moisture, lightning, power surges, other acts of nature, unauthorized product modification or repairs, or failure to follow the instructions outlined in this guide.

What We Will Do?

- We will repair or replace any defective parts, at our option, within a reasonable amount of time and free of charge any time during the warranty period.

What We Ask From You?

- You will be responsible for shipping charges to Fosi Audio or to an authorized dealer. We recommend and you keep the original shipping materials to prevent shipping damage if service is need. Fosi Audio cannot be responsible for any damages incurred during shipping due to poor packing, so please pack well and make sure to insure your shipment.

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 creating them!

Cleaning

- The home audio amplifier components are not water-resistant, so it's important that they should be kept free of moisture. You should clean only with a dry cloth or tissue and no liquid cleaners or solvents should be used.

Contact us

Our website: www.fosiaudio.com

Amazon store: www.amazon.com/fosiaudio

Our Youtube channel: [Fosi Audio](#)

Our Facebook page: [Fosi Audio](#)

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