



# ONE PLUS **PRO**

POWER AMPLIFIER



USER MANUAL

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## IMPORTANT SAFETY PRECAUTIONS

1. Please read the following instructions.
2. Heed all the warnings.
3. Follow all instructions.
4. **Warning:** To prevent fire or electric shock, do not expose this equipment to rain or moisture. Do not use this apparatus near water.
5. Clean only with a dry cloth.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. Use only attachments/accessories specified by Modern Acoustics.
8. Use only with hardware, brackets, stands, and components sold with the apparatus or by Modern Acoustics.
9. Unplug the apparatus during lightning storms or when unused for long periods of time.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this manual.

## INTRODUCTION

Thank you for purchasing a Modern Acoustics Power Amplifier. The One Plus Pro is a Bluetooth 5.2 power amplifiers, designed to produce the best possible results for a wide range of users. In most cases you can plug and play with no surprises, but for best results we recommend you review and observe the enclosed user guide before operating this equipment.

Please remove the Modern Acoustics Power Amplifier from its packaging. It is best to keep the carton in case the amplifier needs to be returned, at least until it has been tested. Check before initial operation to make sure that the device has not been visibly damaged during transport. If you detect any damage to the power cable or the casing, do not operate the device. Contact your local dealer.

## SUPPORT AND SERVICE

Modern Acoustics maintains a wide network of dealers and service centers. These local agencies will be able to answer your questions and take care of any problems.

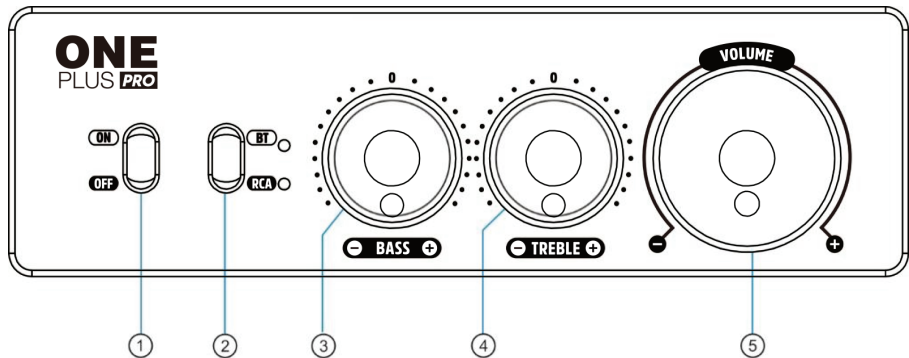
## WEBSITE

Our website, [www.modernacoustics.gr](http://www.modernacoustics.gr), is factory-maintained and supported in multiple languages. Visit frequently for new announcements, typical questions, and other user information.

## IMPORTANT SAFETY PRECAUTIONS

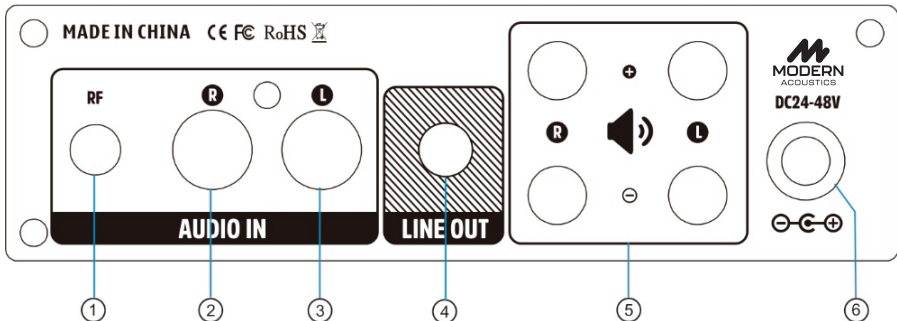
The products of Modern Acoustics are designed for safe operation, and have been certified by recognized product safety agencies to meet all normal standards for this type of product. However, dangerous voltages and power levels exist within the covers of this amplifier. The user is requested to study the precautions in this manual. If the product has been dropped, dented, soaked, or appears to have loose parts inside, the risk of shock is increased. Unplug the power supply, and take the product to qualified service personnel for inspection and repairs.

## FRONT PANEL DESCRIPTION



- ① ————— Power switch
- ② ————— Input selector switch; Up: Bluetooth; Down: RCA
- ③ ————— Bass adjustment knob
- ④ ————— Treble adjustment knob
- ⑤ ————— Volume adjustment knob

## REAR PANEL DESCRIPTION



- ① ————— Bluetooth antenna jack (please install the bluetooth antenna before use)
- ② ————— Right channel input jack
- ③ ————— Left channel input jack
- ④ ————— Line output jack (Cannot be used for earphones)
- ⑤ ————— Speaker output jacks (For Passive Speaker)
- ⑥ ————— Power input jack (Industrial power is not recommended)

## SPECIFICATIONS

<b>Chipset</b>	TPA3255+NE5532+QCC304X
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<b>Bluetooth</b>	Version 5.2
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<b>Distortion</b>	0.002%
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<b>Signal-to-noise ratio</b>	90dB
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<b>Frequency response</b>	bass $\pm 12$ dB; treble $\pm 10$ dB
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<b>Input Sensitivity</b>	0.84vRms
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<b>Speaker impedance</b>	4-8 $\Omega$
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<b>Output power</b>	300W*2/4 Ohm
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<b>Input mode</b>	Bluetooth, RCA
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<b>Output mode</b>	2.0 passive speaker + AUX
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<b>Working power supply</b>	DC24-48V, 5A or more
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<b>Packing size</b>	168 x 114 x 32mm
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## FAQ

### **Q: Does the volume knob control the Aux output as well?**

A: No, the Aux output is simply a pass-through for the signal. Volume does not effect the 3.5mm Aux output.

### **Q: Why does the amplifier stop working after use 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. And check to ensure the output power of the amplifier matches the speakers.

### **Q: One channel does not work?**

1. Check that the positive and negative poles of the speaker do not touch each other. If they are touch together, separate them and turn on again. Then shut down and restart it.
2. Please test whether the Bluetooth and RCA input have the same problem first. If the two modes have the same problem, swap the speaker cables of the left and right channels, or change another speaker, and then test whether this channel still does not work;
3. If only RCA or Bluetooth mode does not work, change the audio source, change the RCA cable and test again, and make sure that all the cables are completely pushed into the device
4. Check whether the positive and negative poles of the audio input line or audio input line of the amplifier are inverted. Fix and restart the amp.
5. Check whether the op amp chip inside is loose or detached when it is turned on. There may be loose components on the circuits, do not attempt to repair, contact us for support.

### **Q: All my wires are connected, but there is no sound?**

1. Check whether the machine is powered on, If there is no response after startup, you can find a power supply with the same voltage output (must be dc24v-48v) for test.
2. If the startup is normal and there is still no sound, check whether the input and output lines are correctly connected.
3. If the above two points are normal, check whether the playback device of the input sound source is suspended, muted or the volume is at the minimum state.
4. Finally confirm the input mode, please switched the correct input modes according to your connect.

## FAQ

### **Q: why is the sound distorted?**

The input signal amplitude may be too large. If the volume of the machine is adjusted to the maximum value and the volume of the input source is also adjusted to the maximum value, it is easy to be distorted. At this point, you only need to lower the volume of the input source or machine.

### **Q: Why does the volume of the machine remain the same, but the sound size of different sound sources (such as CD first and then mobile phone) is different?**

The output signal amplitude is different for different playback devices. For example, mobile phones are usually 0.35v, while CDs are 1V. The size of natural sound is different.

### **Q: why does the horn make a loud current sound?**

A: If you are not using the original standard power supply, please replace the power supply and test again. Many power sources in the market have a large disturbance coefficient, which will cause a large current sound.

### **Q: why do I not connect the sound source after I plug in the input line, and the speaker will have a great buzz?**

A: when the signal line without shielding is used, there will be interference signals entering the power amplifier for amplification. It is recommended that you replace the signal line with shielding or unplug the signal line.

### **Q: Can this machine be connected to a phonograph / record player?**

A: At present, this device does not support phonograph/ record player signal input, because the output level of phonograph/ record player is very small, need to add a phonograph amplifier.

### **Q: why does Bluetooth sound get stuck?**

A: when using Bluetooth to test the distance, it is normal that the sound does not get stuck or disconnected within 10 meters without any obstructions.(Note: the router will interfere with the Bluetooth signal. Try not to get close!)



## WARRANTY

### **Disclaimer**

MODERN ACOUSTICS, is not liable for any damage to amplifiers or any other equipment that is caused by negligence or improper installation and/or use of this loudspeaker product.

### **MODERN ACOUSTICS 2 Year Limited Warranty**

MODERN ACOUSTICS guarantees its products to be free from defective material and / or workmanship for a period of two (2) years max from date of sale, and will replace defective parts and repair malfunctioning products under this warranty when the defect occurs under normal installation and use - provided the unit is returned to one of our authorized service stations via prepaid transportation with a copy of proof of purchase (i.e., sales receipt). This warranty provides that the examination of the return product must indicate, in our judgment, a manufacturing defect. This warranty does not extend to any product which has been subjected to misuse, neglect, accident, improper installation, or where the date code has been removed or defaced. MODERN ACOUSTICS shall not be liable for incidental and/or consequential damages. This warranty gives you specific legal rights. This limited warranty is freely transferable during the term of the warranty period.

In the event that this product was manufactured for export and sale outside of the Greek Region, then this limited warranty shall not apply. Removal of the serial number on this product, or purchase of this product from an unauthorized dealer, will void this limited warranty. Periodically, this warranty is updated. To obtain the most recent version of Modern Acoustics' warranty statement, please visit [www.modernacoustics.gr](http://www.modernacoustics.gr) or contact your local dealer.

# ONE PLUS **PRO**

POWER AMPLIFIER



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