



PTG-11

Professional UHF Wireless
Guitar System
Simple Design, Elegant Sound,
Less Interference



PHENYX PRO[®]
www.phenylxusa.com

OWNER'S MANUAL

Technical Support & Warranty Information

Our Warranty to you:

Phenyx Technology ("Phenyx") warrants Phenyx products against evident defects in material and workmanship for a period of one year from the date of original purchase for use. This warranty is valid exclusively in the US and applies only to the original owner. If you discover a defect covered by this warranty, Phenyx will repair or replace the product at our sole discretion using new or refurbished components. Performance of repairs or replacements under this Warranty is subject to registration of your product at www.phenyxusa.com/registerproduct.

Product failures not covered by this warranty:

This warranty covers defects in manufacturing that arise from the correct use of the device. It is limited to defects in materials or workmanship and does not cover electrical or mechanical damage resulting from abuse, misuse, unauthorized modification, lack of reasonable care, extreme heat, cold, damage due to natural forces, or corrosive environments. This warranty does not cover the normal wear and tear on covers, housing, connectors, and accessories.

Limits of liability:

If your Phenyx product fails or does not perform as warranted, your sole recourse shall be to replace or repair it as described above. Phenyx will not be liable to you or anyone else for any damages that result from the failure of this product. These damages include, but are not limited to, the following: lost profits, lost savings, lost data, damage to other equipment, and incidental or consequential damages arising from the use of or inability to use this product. IN NO EVENT PHENYX SHALL BE LIABLE FOR MORE THAN THE AMOUNT OF YOUR PURCHASE PRICE, NOT TO EXCEED THE CURRENT LIST PRICE OF THE PRODUCT.

How to obtain service under this warranty:

Please contact us at service@phenyxusa.com with any questions or concerns about your products and a Phenyx representative will contact you to provide assistance. You can also reach us through Facebook page <https://www.facebook.com/phenyxusa/> or official website: www.phenyxusa.com.

Thank you for purchasing the PHENYX PRO PTG-11 UHF Professional Wireless Guitar System. This booklet includes a description of features and a step-by-step guide to operate this unit. Please read this manual carefully to ensure proper use and operation, and keep this for future reference.

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System Description

Box contents

- 1 x Metal wireless guitar receiver
- 1 x Rechargeable guitar transmitter
- 1 x Audio cable to recharge the transmitter
- 1 x Power adapter
- 2 x Antenna
- 1 x 1/4" Audio cable
- 1 x User manual

System Overview

Phenyx Pro PTG-11 wireless guitar system delivers superior sound quality and professional features. It is designed for a wide range of professional application with 100 selectable frequency channels, automatic frequency scanning, system lock function, and automatic transmitter pair up, ideal for professional setup in occasions like live shows, small gigs, weddings, DJs, studio recording etc. This unit delivers the original tone without compression or compromise, and there is no delay or distortion.

You can use up to 20 sets transmitters and receivers with multiple instruments in the same setting. Working distance is up to 165ft - 175ft in wide open space. For longer distance, please avoid metal blocks, multiple walls, and other electronics devices.

Specifications

• Wireless Receiver

Frequency range	902MHz - 927MHz
Frequency stability	<±30 ppm
Operating mode	True diversity
Number of channel	100 channels
Frequency response	50Hz - 18KHz ±3db
RF Sensitivity	≥-99dbm
Image rejection	>100dB
Spurious rejection	≥105dB
Audio Output	1x Balanced XLR output, 1x 1/4" mixed output, DC 13.5V, 500mA
Working Distance	165ft - 175ft

• Guitar Transmitter

Frequency Range	902MHz - 927MHz
Output Power	≤10mW
Modulation Mode	FM
Frequency Mode	Infrared frequency
Battery Requirement	Built-in rechargeable lithium battery
Working Hours	≥ 8 hours

Operating Instructions

Operation

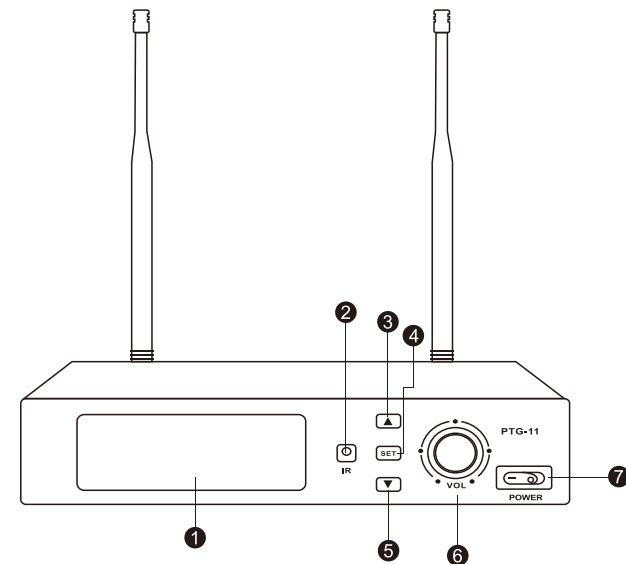
- 1 – The receiver antennas should be kept away from any metal surface.
- 2 – Before inserting the batteries, please make sure that they are inserted according to the correct polarity.
- 3 – For better result, keep the transmitters at least 2' away from the receiver but within the transmitter's range (165ft - 175ft). Keep the transmitters in a direct line of sight of the receiver whenever possible.
- 4 – Electronics devices such as mobile phones, radios, and other transmitting devices may interfere with the wireless system transmitters. Please keep transmitter and receiver away from those devices and other possible interfering sources.

Receiver Menu

- 1 – "SQL -- 1": Squelch Level Function. Adjust the squelch level according to local environment to decrease white noises.
- 2 – "AUT - CH": Automatic Scan Function. Press up or down button to let the receiver find out best interference frequency available in local area.
- 3 – "LOC": Lock Function. Press up or down button to lock or unlock the receiver channel.

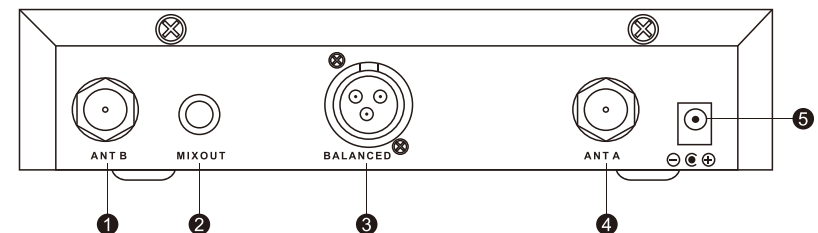
Receiver

Front Panel



- | | | |
|----------------|-----------------------------|------------------|
| ① LCD screen | ② IR synchronization window | ③ UP button |
| ④ SET button | ⑤ Down button | ⑥ Volume control |
| ⑦ Power switch | | |

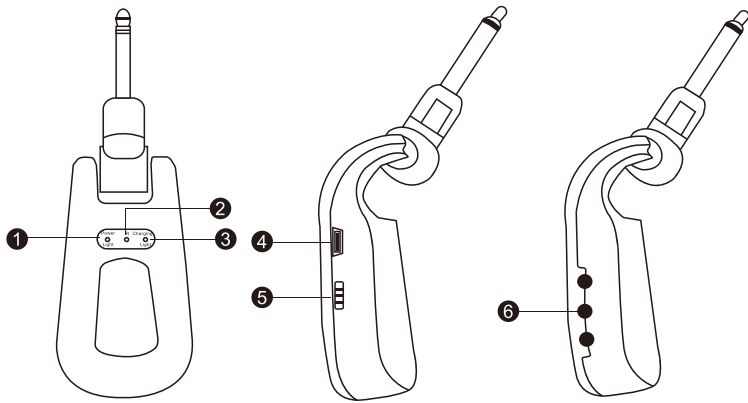
Back Panel



- | | | |
|-------------|---------------------|-----------------------|
| ① Antenna B | ② 1/4 "mixed output | ③ Balanced XLR output |
| ④ Antenna A | ⑤ Power jack | |

Transmitters

Handheld Microphone



- ① **POWER LIGHT**
Power will turn off when receiver is out of battery
- ② **INFRARED SYNCHRONIZATION**
- ③ **RF SIGNAL INDICATOR**
RF light will turn green when the transmitter pairs up with the receiver
- ④ **POWER RECHARGE**
Recharge the receiver with cable included
- ⑤ **ON/OFF SWITCH**
Slide right to turn on the receiver
- ⑥ **Frequency Sticker**

Operating Instructions

Set Up

- 1 – Install fresh batteries in the transmitters
- 2 – Connect the AC power adapter to a wall outlet and to the back of the receiver.
- 3 – Screw antenna A, B in, and position them 60 degrees apart from each other.
- 4 – Connect one of the two outputs available at the back panel to the next stage in your system. Typically, use the $\frac{1}{4}$ " output to connect to unbalanced equipment such as consumer level receivers, amplifiers, and mixers. Connect to professional equipment using the XLR output (cable not included)
- 5 – Make sure the volume of your speaker is off, turn on the receiver and the transmitters. Press SET button for menu selection. For auto scan feature, press SET button until "AUT - CH" shown on the LCD screen, the press UP button to confirm setting. The system will automatically select the least-interference best signal channel. For manual selection feature, press SET button until Group number next to "GP" flashes, then press UP or DOWN button to select desired group number. Press SET button again until the channel number next to "CH" flashes, press UP or DOWN button to select desired channel number. Phenyx Pro recommends using the auto scan function for optimal operation result.
- 6 – Press SET again after frequency selection, or press UP button after auto scan function shows up, and you will see LCD screen shows "IR —" status. Aim the transmitter's IR window at the receiver's IR window, and they will pair up automatically within several seconds. Once the pair up is completed, RF light on the transmitter will show green, which indicates that signal is transmitting well.
- 7 – You can use multiple receivers at the same time, and set all the transmitters to different channels. Theoretically, up to 50 receivers (100 channels) can be used at the same time. Phenyx Pro recommends no more than 20 receivers (100 channels) to be used together.