

Phenyx Pro PDP-2-2B

Phenyx Pro Dual Digital Wireless Microphone System (PDP-2-2B) User Manual

Model: PDP-2-2B

1. INTRODUCTION

This user manual provides comprehensive instructions for the Phenyx Pro Dual Digital Wireless Microphone System, model PDP-2-2B. This system is designed for clear, delay-free audio transmission using 48kHz/24Bit UHF digital circuitry, offering 2x15 tunable frequencies in the 902-928MHz range. It includes a portable mini receiver, two bodypack transmitters, and both headset and lapel microphones, making it suitable for various applications such as live performances, karaoke, and public speaking.

2. WHAT'S INCLUDED

The Phenyx Pro PDP-2-2B system comes with the following components:

- 1 x Receiver with a 6.35mm plug
- 2 x Bodypack Transmitters
- 2 x Headset Microphones
- 2 x Lapel/Lavalier Microphones
- 1 x USB-C Dual Charging Cable
- 1 x 6.35mm to 3.5mm Adapter
- 1 x Angle TS Male to 1/4" TS Female Adapter (to keep receiver antenna upward)
- 1 x User's Manual

UHF DIGITAL CIRCUITRY CREATES NEW SOUNDING EXPERIENCE

48kHz/24bit Sampling Rate | Negligible 2.5ms Delay

- 900MHz UHF Band: Resist crowded 500MHz and 2.4Ghz spectrum
- Digital Transmission: Achieve true pure sound with less signal loss



***Note: You are suggested to use it in the line-of-sight range as close as possible for better reception and fewer staccatos.**

Image: All components included in the Phenyx Pro PDP-2-2B package.

Frequent Q&A



Q: I turn on the product but there are crosstalking and cutoffs, what should I do?

A: Please try to tap the CH button on the transmitters to switch to other frequencies and give it another try. If this still does not work, change the location to determine if the interference comes from the operating environment.



Image: Detailed diagram showing each included item: user manual, USB-C triple charging cable, two lapel mics, 6.35mm to 3.5mm adapter, angle TS male to female adapter, two rechargeable bodypack transmitters, rechargeable wireless receiver, and two headset mics.

3. SETUP

3.1. Initial Charging

Before first use, ensure all components are fully charged. The receiver has a 1500mAh battery, and each bodypack transmitter has a 550mAh battery. Use the provided USB Type-C dual charging cable to charge the receiver and bodypack transmitters. A red indicator light will show during charging, turning off when fully charged.



Image: The receiver and bodypack transmitters being charged via USB-C. The receiver has a 1500mAh battery, providing up to 5.5 hours of working time with 3 hours fast charging. The bodypacks have 500mAh batteries.

Your browser does not support the video tag.

Video: A short video demonstrating the functions of the bodypack transmitter, including powering on, muting, and changing channels.

3.2. Connecting Microphones to Bodypack Transmitters

Connect either a headset microphone or a lapel microphone to the 3-pin mini XLR jack on each bodypack transmitter. Ensure a secure connection.

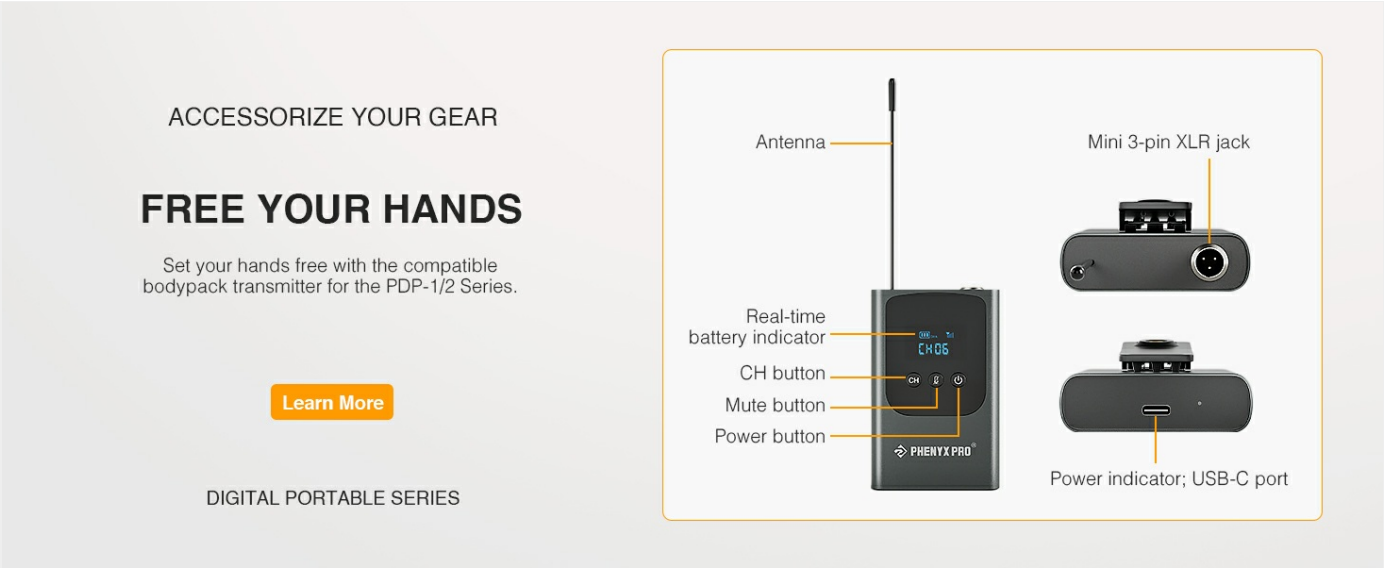
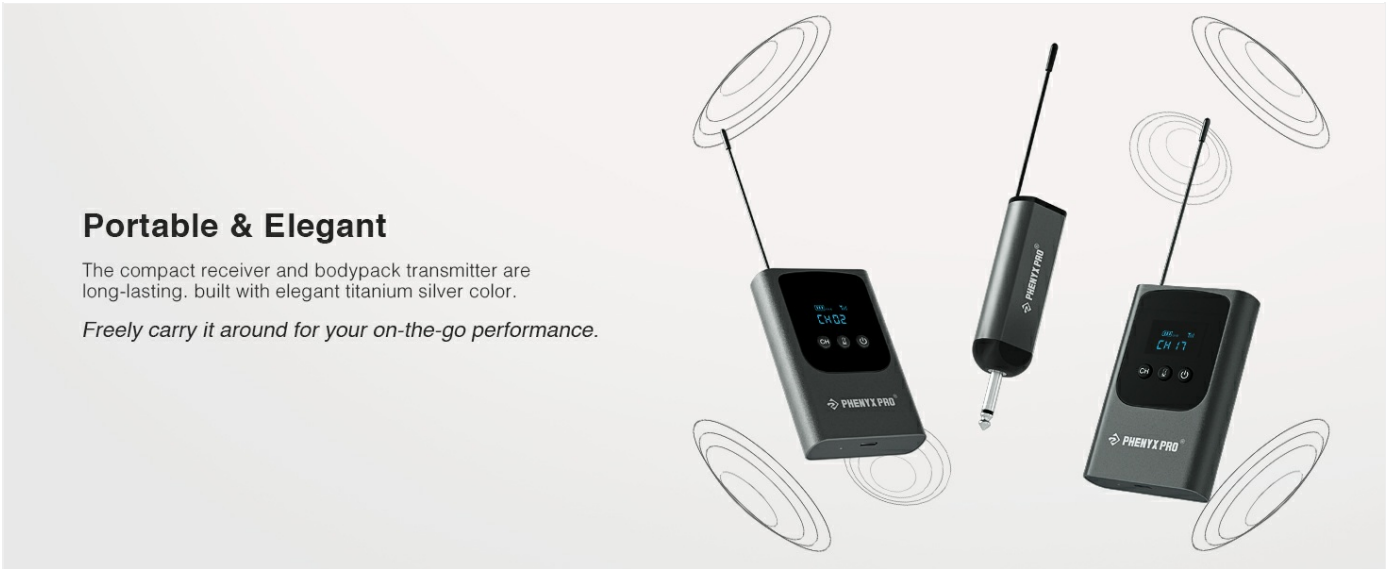


Image: A bodypack transmitter with a headset microphone connected via its 3-pin mini XLR jack.

3.3. Connecting the Receiver

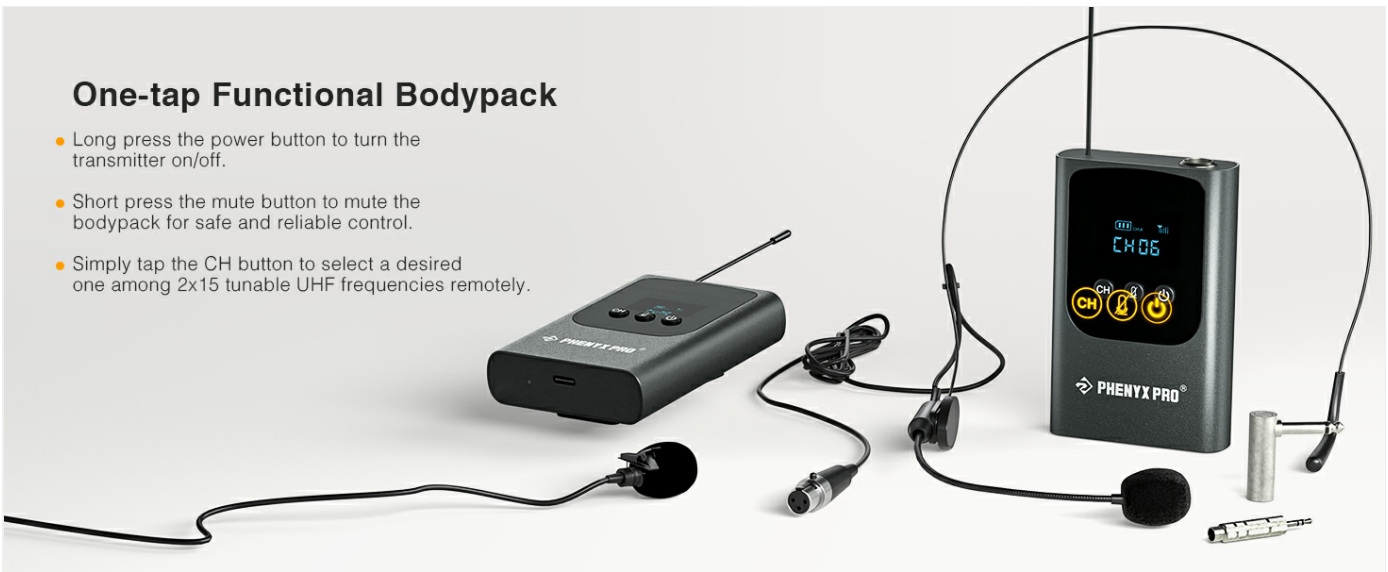
Plug the 1/4" TS connector of the receiver directly into your audio system (e.g., karaoke machine, partybox, mixer, audio interface, amplifier, or PA system). For optimal signal reception, use the included angle TS male to 1/4" TS female adapter to keep the receiver's antenna pointed upward.



Portable & Elegant

The compact receiver and bodypack transmitter are long-lasting, built with elegant titanium silver color. Freely carry it around for your on-the-go performance.

Image: The wireless receiver connected to a mixing console, demonstrating its portability and flexible connectivity options. The antenna is shown upright for better signal.



One-tap Functional Bodypack

- Long press the power button to turn the transmitter on/off.
- Short press the mute button to mute the bodypack for safe and reliable control.
- Simply tap the CH button to select a desired one among 2x15 tunable UHF frequencies remotely.

Image: A visual guide for quick setup: 1. Turn on the receiver. 2. Turn on the transmitter. 3. Connect the headset/lapel mic to the bodypack. 4. Plug the receiver into a partybox or audio system to output sound.

Your browser does not support the video tag.

Video: A short video demonstrating the unboxing and setup of the Phenyx Pro PDP-2-2B system, including connecting the receiver and bodypacks.

4. OPERATING INSTRUCTIONS

4.1. Powering On and Pairing

To power on the system, long-press the power button on both the receiver and the bodypack transmitters. The system is designed for automatic pairing. The receiver will display the channel (CH) and battery status. The bodypack transmitters will also show their channel and battery status.

One-tap Functional Bodypack

- Long press the power button to turn the transmitter on/off.
- Short press the mute button to mute the bodypack for safe and reliable control.
- Simply tap the CH button to select a desired one among 2x15 tunable UHF frequencies remotely.

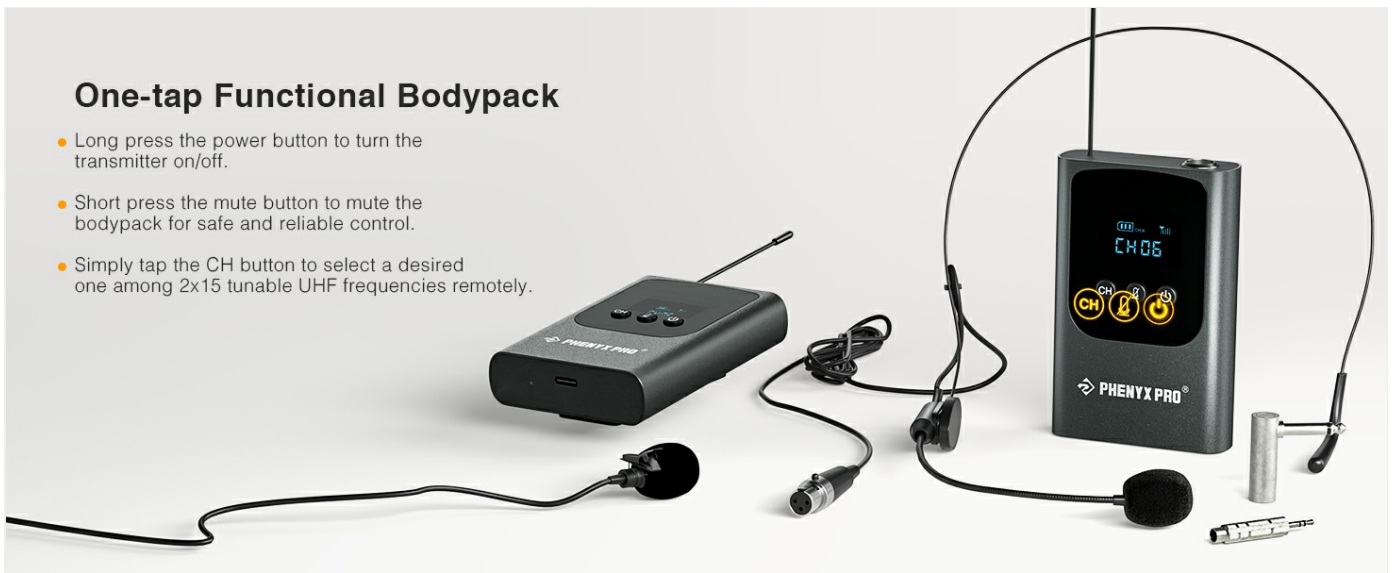


Image: A visual guide for quick setup: 1. Turn on the receiver. 2. Turn on the transmitter. 3. Connect the headset/lapel mic to the bodypack. 4. Plug the receiver into a partybox or audio system to output sound.

4.2. Transmitter Functions

Each bodypack transmitter features a display showing channel and battery status, along with three buttons:

- **Power Button:** Long press to turn the transmitter on/off.
- **Mute Button:** Short press to mute or unmute the microphone. The display will flash when muted.
- **CH (Channel) Button:** Tap to cycle through the 2x15 UHF tunable frequencies to select a desired channel remotely.



True Pure Sound

- The headset/lapel mic and the dynamic cardioid microphone render great reliability and freedom for live performance.
- 3-pin mini XLR connection ensures stable and high-quality sound transmission.
- The digital circuitry effectively receives encrypted signals with the least signal loss and interference to reproduce crisp and pure sound.

Image: The bodypack transmitter showing its display and control buttons. It features a real-time battery indicator, instant remote frequency selection, one-tap mute function, and a 3-pin mini XLR connection for microphones.

Your browser does not support the video tag.

Video: A short video demonstrating the functions of the bodypack transmitter, including powering on, muting, and changing channels.

4.3. Receiver Indicators

The receiver has a power button, USB-C charging port, antenna, battery indicator, and RF indicator. The RF indicator will light up when a signal is received from a paired transmitter.

ACCESSORIZE YOUR GEAR

RELIABLE RECEIVER

Ensure seamless performance with our durable receiver. Compact and versatile, it effortlessly fits into your gear lineup.

[Learn More](#)

DIGITAL PORTABLE SERIES

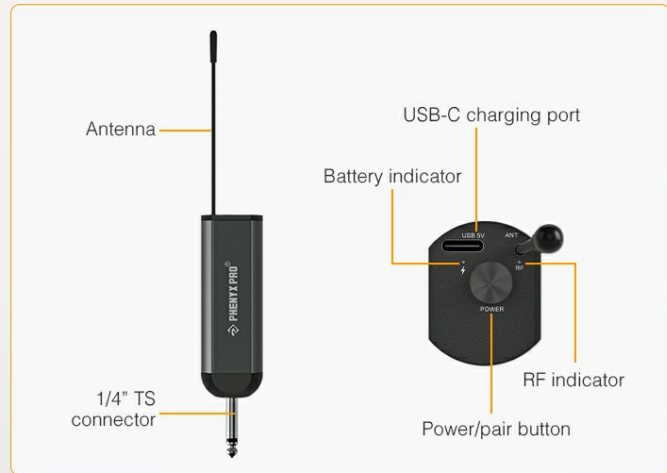


Image: The portable wireless receiver highlighting its 1/4" TS connector, antenna, USB-C charging port, battery indicator, RF indicator, and power/pair button.

5. MAINTENANCE

- Keep the system clean by wiping with a soft, dry cloth. Avoid liquid cleaners.
- Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- Ensure the USB-C charging ports are free from dust and debris.
- Handle microphones and cables with care to prevent damage.

6. TROUBLESHOOTING

6.1. Crosstalk or Cutoffs

If you experience crosstalk or signal cutoffs:

- Tap the CH button on the transmitters to switch to other frequencies.
- Change the location of the receiver and transmitters to determine if interference is from the operating environment.
- Ensure the receiver antenna is pointed upward and avoid metal or glass obstructions in the line of sight.

Frequent Q&A

 **PHENIX PRO**

- Q:** I cannot charge my receiver. What should I do?
- A:** Please try another charging cable. It is possible that the included cable is defective. If the issue still persists, please reach out to us for a replacement.



Image: Visual guide on optimizing reception: insert the receiver into the angle TS male to female adapter firmly to keep its antenna upward.

Avoid metal/glass obstructions in the line of sight.

6.2. No Sound Output

This wireless system requires an active speaker or amplifier to output sound. Ensure the receiver is correctly connected to an appropriate audio input device.

Frequent Q&A

Q: How can I optimize the reception of my wireless microphone system?

A: Please insert the receiver to the angle TS male to female adapter firmly keep its antenna upward. Otherwise, Use the transmitter directly to the receiver in the proper range and clean up metals in the line of sight.

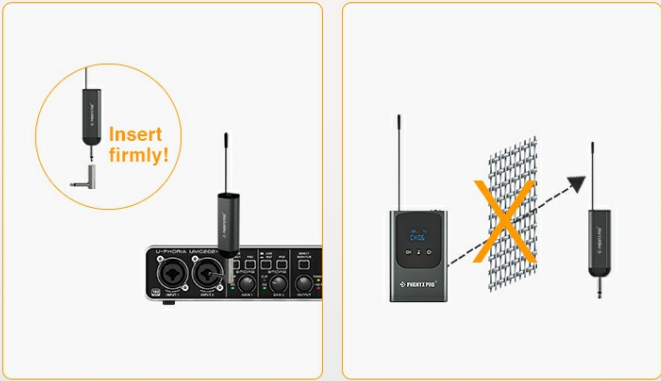




Image: The wireless receiver connected to a partybox, illustrating that an active speaker is required for sound output.

6.3. Charging Issues

If the receiver or transmitters are not charging, try using a different USB-C charging cable. If the issue persists, contact customer support for a replacement.

6.4. Optimal Sound Capture

For the clearest sound, properly wear your headset or lapel mic and keep the microphone about 1-2 inches (3-5cm) away from your mouth.



Image: Proper wearing of headset and lapel microphones for optimal sound capture, positioned 1-2 inches from the mouth.

7. SPECIFICATIONS

Model Name	PDP-2-2B
Brand	Phenyx Pro
Connectivity Technology	UHF, USB, Wireless, XLR
Frequency Range	902 - 928MHz
Number of Channels	15 (2x15 tunable frequencies)
Microphone Form Factor	Headset, Lavalier
Power Source	Battery Powered (3 Lithium Ion batteries included)
Receiver Battery Capacity	1500mAh

Bodypack Battery Capacity	550mAh
Signal-to-Noise Ratio	96 dB
Audible Noise	50 Decibels
Item Weight	0.45 Kilograms
Item Dimensions	9.45 x 6.1 x 3.43 inches
Enclosure Material	Metal

8. WARRANTY AND SUPPORT

Phenyx Pro audio products come with a 12-month manufacturer warranty and lifetime supportive customer service. For troubleshooting or replacements for discontinuous/defective parts, please contact Phenyx Pro customer support. Contact information can typically be found on the product packaging or the official Phenyx Pro website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question