

[Manuals.plus](#) /

› [Phenyx Pro](#) /

› Phenyx Pro Dual Digital Wireless Microphone System User Manual

## Phenyx Pro PDP-2-1H1B

# Phenyx Pro Dual Digital Wireless Microphone System User Manual

Model: PDP-2-1H1B

## PRODUCT OVERVIEW

---

The Phenyx Pro PDP-2-1H1B is a versatile dual digital UHF wireless microphone system designed for clear and reliable audio transmission. It features a handheld dynamic microphone and a bodypack transmitter with options for a headset or lapel microphone, making it suitable for various applications from home karaoke to professional performances.

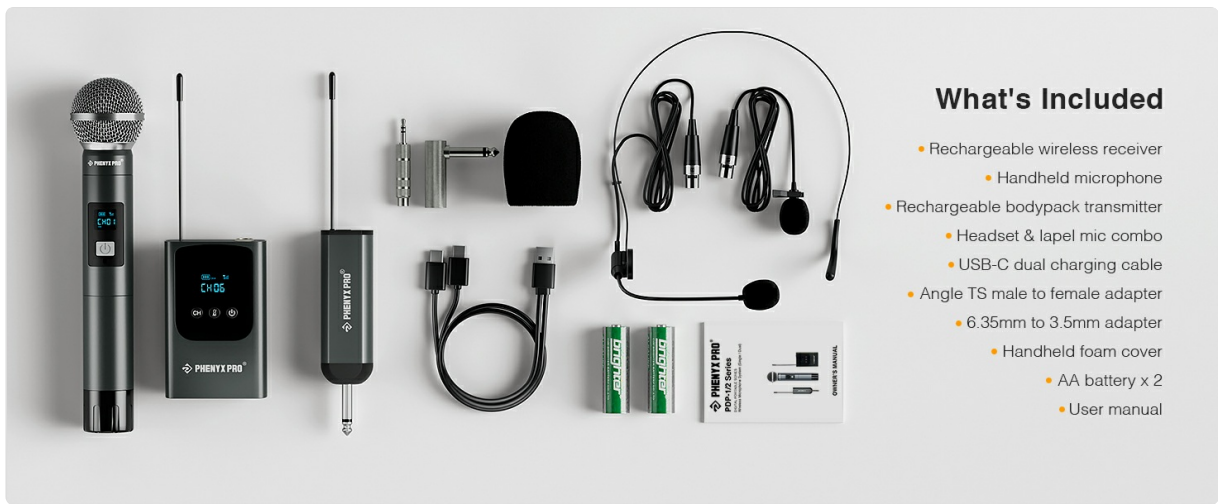


Figure 1: Complete Phenyx Pro PDP-2-1H1B Wireless Microphone System.

## WHAT'S INCLUDED

Your Phenyx Pro PDP-2-1H1B system package contains the following items:

- 1 x Receiver with a 6.35mm plug
- 1 x Portable Wireless Handheld Microphone
- 1 x Rechargeable Bodypack Transmitter
- 1 x Headset Microphone
- 1 x Lapel/Lavalier Microphone
- 1 x Handheld Foam Cover
- 2 x AA Batteries (for handheld mic)
- 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



### What's Included

- Rechargeable wireless receiver
  - Handheld microphone
- Rechargeable bodypack transmitter
  - Headset & lapel mic combo
  - USB-C dual charging cable
- Angle TS male to female adapter
  - 6.35mm to 3.5mm adapter
- Handheld foam cover
  - AA battery x 2
  - User manual

Figure 2: Contents of the product package.

## SETUP GUIDE

1. **Charge the Receiver and Bodypack:** Use the provided USB-C dual charging cable to fully charge the mini receiver (1500mAh battery) and the bodypack transmitter (550mAh battery). The receiver is rechargeable and offers up to 5.5 hours of working time with approximately 3 hours of fast charging.

# RECHARGEABLE, DURABLE, UNIVERSAL

One receiver streamline the battery life to work for two transmitter.



Universal USB Type-C port for quick easy charging anywhere anytime.



## 1500 mAh

BATTERY CAPACITY

## 5.5 h

BATTERY LIFE

## 3 h

FAST CHARGING TIME

Figure 3: Charging the mini receiver.

2. **Install Batteries in Handheld Microphone:** Open the battery compartment of the handheld microphone

and insert the 2 AA batteries provided.

- 3. Connect Receiver to Audio System:** Plug the 1/4" TS connector of the mini receiver into the microphone input of your karaoke machine, partybox, mixer, or audio interface. If needed, use the included angle TS male to 1/4" TS female adapter to ensure the receiver's antenna points upward for optimal signal reception.

## VERSATILE APPLICATIONS OUT OF THE BOX

1/4" TS connector

Compatible with more devices freely

Keep your receiver upward to avoid signal block

15 frequencies provide options for a cleaner signal and multiset hookup.

PHENYX PRO

PHENYX PRO

PHENYX PRO

Partybox

Audio Amplifier

Powered Speaker

PA System

Mixing Console

Camera

Figure 4: Connecting the receiver to an audio system.

- 4. Connect Headset or Lapel Mic to Bodypack (Optional):** If using the headset or lapel microphone, plug its 3-pin mini XLR jack into the bodypack transmitter.

# CONVENIENT, HANDS-FREE, RELIABLE



Figure 5: Bodypack transmitter with headset and lapel mic options.

5. **Power On:** Turn on the receiver, handheld microphone, and bodypack transmitter. The system should automatically pair.

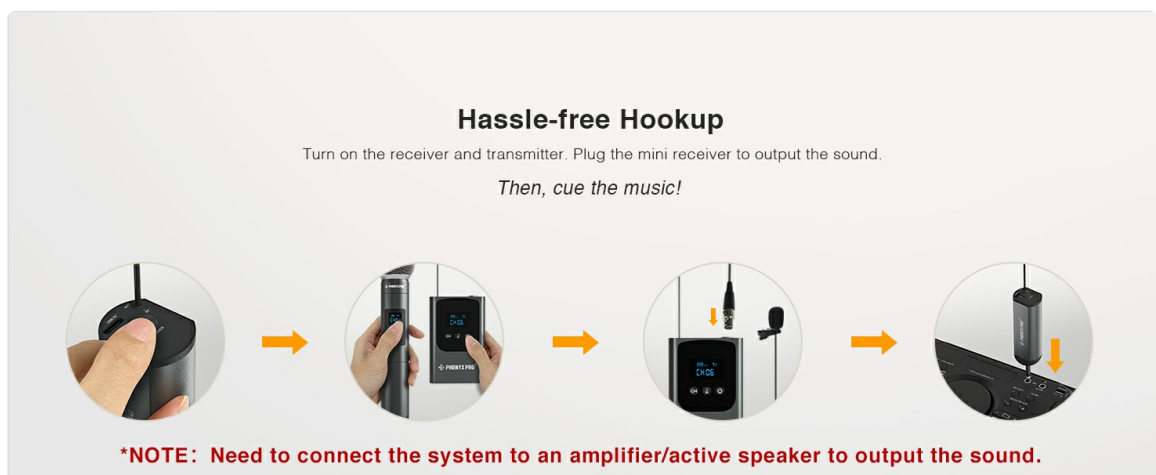


Figure 6: Hassle-free Hookup process.

## OPERATING INSTRUCTIONS

### Handheld Microphone Operation

- **Power On/Off:** Long press the power button on the microphone to turn it on or off.

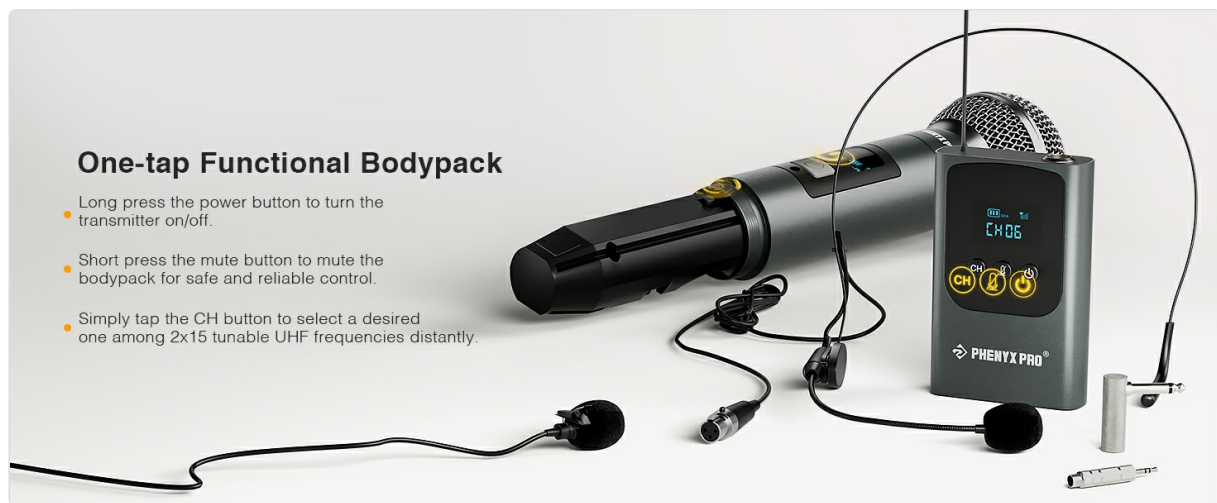
- **Mute Function:** Short press the power button to mute or unmute the microphone.
- **Frequency Selection:** The handheld microphone features a digital display showing channel number, battery life, and signal strength. Use the frequency selection button to change channels if interference occurs. The system offers 2x15 UHF tunable frequencies (902-928MHz).



Figure 7: Handheld Microphone Controls and Display.

### Bodypack Transmitter Operation

- **Power On/Off:** Long press the power button on the bodypack to turn it on or off.
- **Mute Function:** Short press the mute button for safe and reliable control during performances.
- **Frequency Selection:** Simply tap the CH button to select a desired frequency among the 2x15 tunable UHF frequencies. The receiver automatically switches to the new channel.



## 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 instantly.

Figure 8: Bodypack Transmitter Controls.

## General Usage Tips

- **Line-of-Sight:** For optimal performance and range (160-200ft), maintain a clear line-of-sight between the transmitters and the receiver. Avoid placing metal or glass objects directly in the signal path.
- **Antenna Position:** Keep the receiver antenna pointed upward. Use the included angle adapter if necessary to achieve this orientation when plugging into rear ports.
- **Microphone Handling:** When using the handheld microphone, avoid covering the bottom of the transmitter where the signal is sent with your hands to prevent signal blockage.
- **Wearing Headset/Lapel Mic:** Ensure the headset or lapel microphone is positioned correctly to capture your voice clearly.

### Wireless Microphone Tips

**Hold Your Mic Properly**  
Do not cover the bottom of the transmitter where the signal is sent with your hands to avoid the signal block.

**Wear Your Mic Properly**  
Wear your headset or lapel mic properly to capture your sound clearly.

**Place the Antenna Correctly**  
Keep the receiver antenna upward. Insert the receiver to the angle TS male to female adapter firmly if needed.

**Ensure Line of Sight**  
Use the transmitter directly to the receiver in the proper range for better reception and fewer staccatos. Clean up metals in the line of sight.

Figure 9: Wireless Microphone Usage Tips.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microphones, transmitter, and receiver. Do not use liquid cleaners or solvents.
- **Battery Care:** For the handheld microphone, remove AA batteries if the unit will not be used for an extended period to prevent leakage. Rechargeable components (receiver, bodypack) should be charged regularly to maintain battery health.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle all components with care to avoid physical damage, especially the antennas and microphone capsules.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound / Weak Sound	<ul style="list-style-type: none"><li>Low battery on transmitter/receiver.</li><li>Incorrect frequency pairing.</li><li>Microphone/bodypack muted.</li><li>Receiver not properly connected to audio system.</li><li>Obstruction in line-of-sight.</li></ul>	<ul style="list-style-type: none"><li>Charge/replace batteries.</li><li>Re-pair transmitter and receiver (refer to user manual for specific pairing steps).</li><li>Unmute microphone/bodypack.</li><li>Ensure receiver is fully plugged into a powered microphone input.</li><li>Remove obstructions; ensure antenna is upright.</li></ul>
Interference / Static Noise	<ul style="list-style-type: none"><li>Other wireless devices on same frequency.</li><li>Weak signal due to distance or obstructions.</li></ul>	<ul style="list-style-type: none"><li>Change to a different frequency channel on both transmitter and receiver.</li><li>Reduce distance between transmitter and receiver; ensure clear line-of-sight.</li></ul>
Humming Noise	<ul style="list-style-type: none"><li>Ground loop issue or electrical interference.</li></ul>	<ul style="list-style-type: none"><li>Ensure all audio equipment is properly grounded.</li><li>Try plugging into a different power outlet.</li><li>Reduce gain settings on your audio mixer/karaoke machine if possible.</li></ul>

## SPECIFICATIONS

Feature	Detail
Model Number	PDP-2-1H1B
Microphone Form Factor	Microphone System
Frequency Range	902 - 928MHz
Number of Channels	2 (2x15 UHF Frequencies)
Sampling Rate	48kHz/24Bit
Signal-to-Noise Ratio	96 dB
Handheld Mic Type	Dynamic, Cardioid
Headset/Lapel Mic Type	Condenser, Omni
Receiver Battery Capacity	1500mAh
Bodypack Battery Capacity	550mAh
Charging Interface	USB-C
Working Time	Up to 5.5 hours (approx.)
Material	Metal (microphones)
Connectivity Technology	Auxiliary (6.35mm Jack, XLR)
Compatible Devices	Party box, PA System, Audio Mixer, Camera, Amplifier

## WARRANTY AND SUPPORT

---

Phenyx Pro products are crafted with premium components and precision engineering, ensuring trusted quality and lasting reliability. The manufacturer stands firmly behind every product they make.

For detailed warranty information, technical support, or further assistance, please refer to the official user manual provided with your product or visit the Phenyx Pro website.

You can also access the User Manual (PDF) online: [Phenyx Pro User Manual PDF](#)