

[manuals.plus](#) /› [Phenyx Pro](#) /› [Phenyx Pro UHF Mono Dual Wireless In-Ear Monitor System \(PTM-22\) Instruction Manual](#)

## Phenyx Pro PTM-22

# Phenyx Pro UHF Mono Dual Wireless In-Ear Monitor System (PTM-22) Instruction Manual

Model: PTM-22

## 1. INTRODUCTION

The Phenyx Pro PTM-22 is a UHF Mono Dual Wireless In-Ear Monitor System designed for reliable audio monitoring in various professional settings. This system provides clear mono audio, eliminating phase issues common in stereo systems, and offers consistent sound with simplified setup. It is suitable for applications such as stage performances, studio recording, and public speaking events.

## 2. WHAT'S IN THE Box

The PTM-22 system includes the following components:

- 1 x Dual Channel Wireless IEM Transmitter
- 2 x UHF Bodypack Receiver
- 2 x In-ear Earbuds
- 1 x Power Adapter
- 2 x Antennas
- 4 x AA Batteries (included)
- 1 x Rackmount Kit
- 1 x Carry Case
- 1 x User Manual

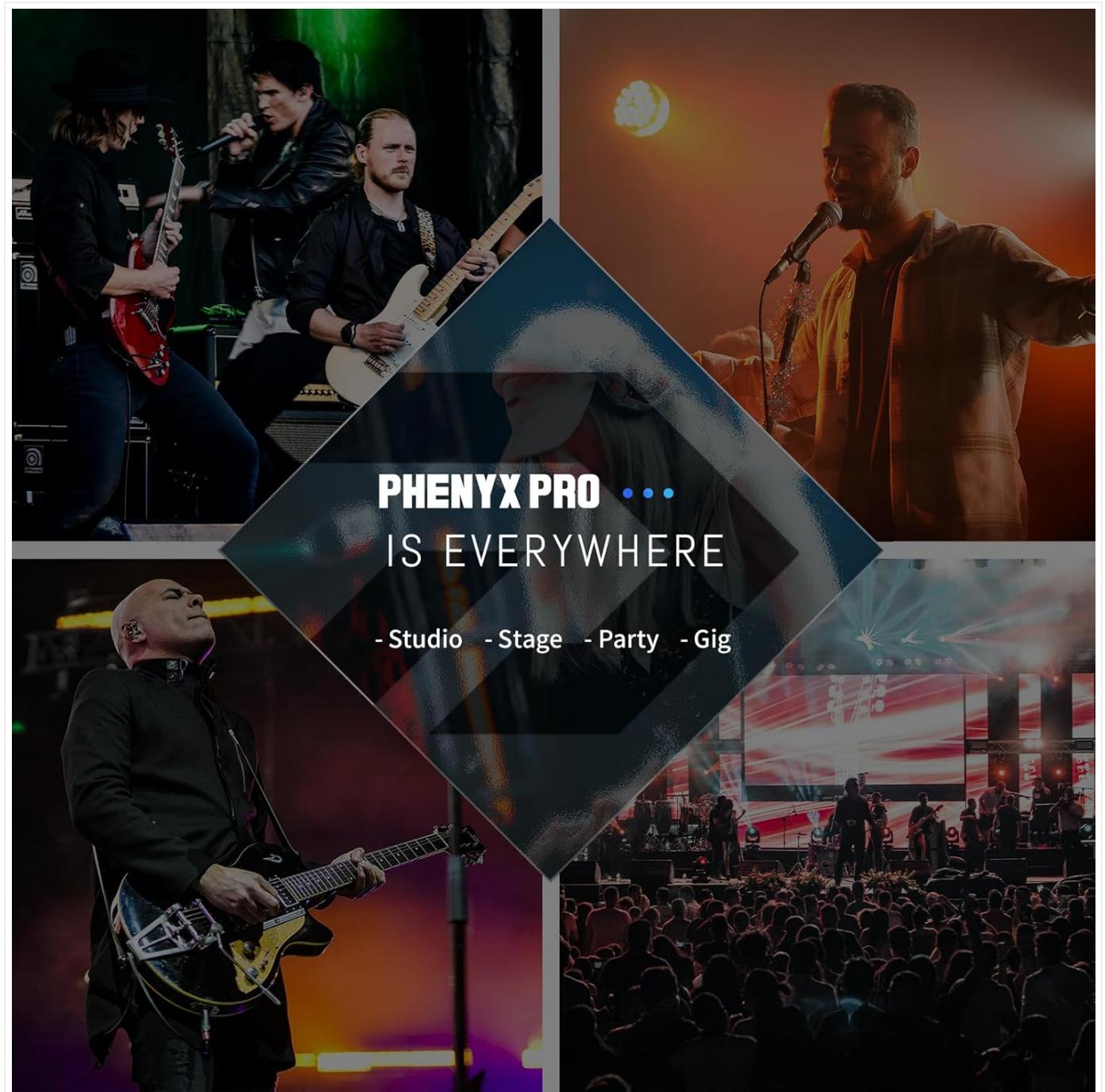


Figure 1: All components included in the PTM-22 package.

### 3. PRODUCT OVERVIEW

#### 3.1. Wireless Transmitter

The dual-channel transmitter features two groups of left/right inputs and loop outputs, allowing for diverse monitoring requirements. The LOOP OUT jacks enable daisy-chaining signals to additional channels, facilitating audio monitoring sharing among bandmates. The unit is rack-mountable and includes removable feet for flexible installation. It is constructed with durable metal for protection.

# WIRELESS TRANSMITTER

**UHF**

Delay-Free Circuitry

**2 x 50**

Selectable Frequencies



**164ft**

Rock-Firm Coverage

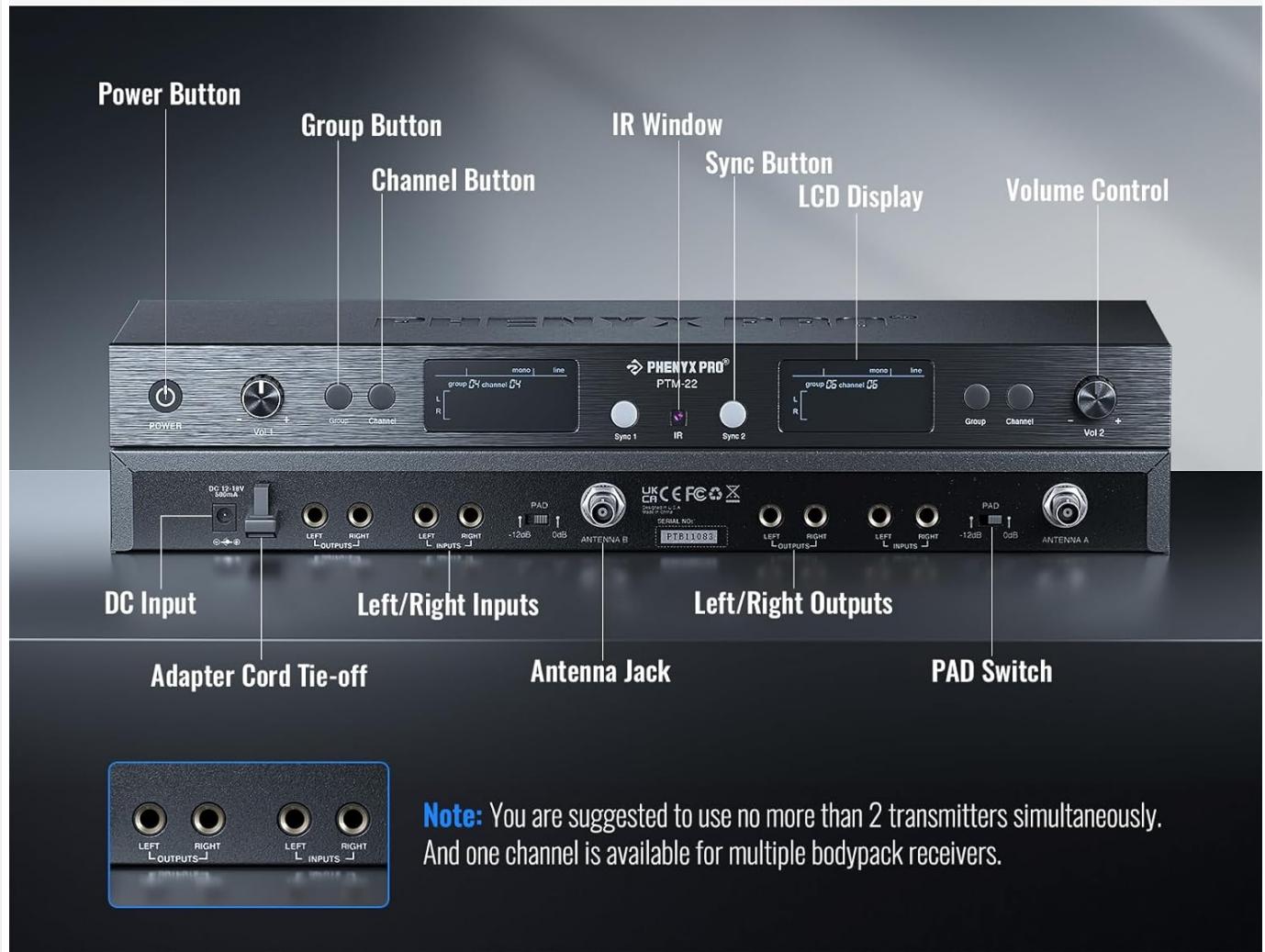


Figure 2: Detailed view of the PTM-22 Wireless Transmitter controls and connections.

## 3.2. Portable Bodypack Receiver

The sturdy bodypack receiver provides crisp mono audio monitoring. It operates in the UHF 900MHz band with minimal latency and offers 2x50 selectable frequencies. The system allows for free movement within a 164 ft operating range. Each bodypack features an informative LCD display showing RF signal, audio signal, and battery indicators.

# PORTRABLE RECEIVER

- MONO**  
Beginner-Friendly Mode
- IR**  
Smooth Synchronization
- Headphones**  
Lossless Monitoring
- Individual Adjustment**



Figure 3: Close-up of the PTM-22 Portable Bodypack Receiver.

## 4. SETUP

Follow these steps for initial setup of your PTM-22 system:

- Connect Antennas:** Screw the two included antennas into the ANTENNA A and ANTENNA B ports on the rear of the transmitter.
- Power On Transmitter:** Connect the power adapter to the DC input on the transmitter and plug it into a wall outlet. Press the POWER button to turn on the system.
- Install Batteries in Bodypack:** Open the battery compartment of each bodypack receiver and insert two AA batteries (included), ensuring correct polarity.
- Connect Earphones:** Plug your in-ear earphones into the 3.5mm PHONES jack on the bodypack receiver.
- Select Frequency:** On the transmitter, use the GROUP and CHANNEL buttons to select your desired frequency.
- Synchronize Bodypack:** Turn on the bodypack receiver. Align the IR window of the bodypack with the IR sensor on the transmitter. Press the SYNC button on the transmitter. The bodypack will automatically synchronize with the selected frequency.

Video 1: Official setup guide for the Phenyx Pro PTM-22 system, demonstrating antenna connection, power-up, and bodypack synchronization.

## 5. OPERATING INSTRUCTIONS

### 5.1. Mono Monitoring

The PTM-22 system is designed for mono monitoring, which provides a focused and clear audio output by eliminating potential phase issues. This ensures consistent sound for performers and speakers.

### 5.2. Daisy Chain Connection

Utilize the LOOP OUT left/right jacks on the transmitter to daisy-chain the audio signal to additional channels or other monitoring devices. This allows for seamless sharing of the audio mix among multiple users or for routing to a soundboard/speaker for original sound monitoring.



Figure 4: The integrated monitor station with loop outputs and inputs.

### 5.3. Adjusting Volume

Adjust the volume of your in-ear monitors using the VOL knob on the bodypack receiver. The transmitter also has individual volume controls

(Vol 1, Vol 2) for each channel.

## 6. MAINTENANCE

To ensure optimal performance and longevity of your system:

- **Battery Replacement:** Replace batteries for the bodypack receiver when the battery indicator shows low power to protect the system and ensure uninterrupted operation.
- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the transmitter and bodypack receivers. Avoid using liquid cleaners or solvents.
- **Storage:** Store the system in its carry case in a cool, dry place when not in use to protect it from dust and physical damage.

## 7. TROUBLESHOOTING

If you experience issues with your PTM-22 system, consider the following:

- **No Sound/Intermittent Sound:**
  - Check battery levels in the bodypack receiver.
  - Ensure the bodypack and transmitter are synchronized to the same group and channel.
  - Verify all cables (audio inputs, power) are securely connected.
  - Check the volume levels on both the bodypack and the transmitter.
  - Ensure the antennas on the transmitter are properly attached and positioned.
- **Static/Interference:**
  - Change the operating frequency on the transmitter and re-sync the bodypack to avoid interference from other wireless devices.
  - Ensure the transmitter and receiver are within the optimal operating range (up to 164 ft line-of-sight).
  - Minimize obstructions (walls, large metal objects) between the transmitter and receiver.
- **Poor Audio Quality:**
  - Check the audio source connected to the transmitter for any issues.
  - Ensure the PAD switch on the transmitter's rear panel is set correctly (0dB for normal input, -12dB for hot signals to prevent distortion).

## 8. SPECIFICATIONS

<b>Model Name</b>	PTM-22
<b>Wireless Communication Technology</b>	UHF
<b>Frequency Response</b>	50 Hz - 16 KHz
<b>Operating Range</b>	Up to 164 ft (50m)
<b>Selectable Frequencies</b>	2x50
<b>Headphones Jack</b>	3.5 mm Jack
<b>Material</b>	Metal
<b>Item Weight</b>	5.28 pounds (2.4 Kilograms)
<b>Product Dimensions</b>	13.19 x 2.56 x 18.5 inches
<b>Power Source</b>	Power Adapter (Transmitter), 4 AA batteries (Receivers)

Noise Control

Active Noise Cancellation

## 9. SAFETY INFORMATION

Replace batteries for the bodypack receiver when the battery is low to protect the system from potential damage or malfunction.

## 10. WARRANTY AND SUPPORT

Phenyx Pro products are designed for trusted quality and lasting reliability. The manufacturer stands firmly behind every product. For specific warranty details or technical support, please refer to the official Phenyx Pro website or contact their customer service.

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