

## Phenyx Pro PTU-7000A

# Phenyx Pro Wireless Microphone System PTU-7000A User Manual

Comprehensive guide for setup, operation, and maintenance.

## INTRODUCTION

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Thank you for choosing the Phenyx Pro PTU-7000A Quad Channel Wireless Microphone System. This system is designed to provide reliable, high-quality audio performance for various applications including karaoke, church services, public speaking, and DJ gigs. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your new wireless microphone system to ensure you get the best possible experience.

## 1. SETUP INSTRUCTIONS

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### 1.1 Box Contents

The Phenyx Pro PTU-7000A system includes the following components:

- 1 x channel wireless metal receiver
- 4 x UHF wireless handheld mics
- 1 x 1/4" audio cable
- 1 x AC power adapter
- 4 x antennas
- 4 x anti-rolling rings
- 8 x AA batteries (for 16hrs long hour use)
- 1 x user manual

# WIDE COMPATIBILITY



Outdoor Speaker



PA Speaker System



Karaoke machine



Power Amplifier



Audio mixer

## HOW TO USE



**Step1:** Connect AC adapter to a wall outlet and install batteries into transmitters.

**Step2:** Select a frequency. Pair up the transmitter and receiver via IR synchronization.

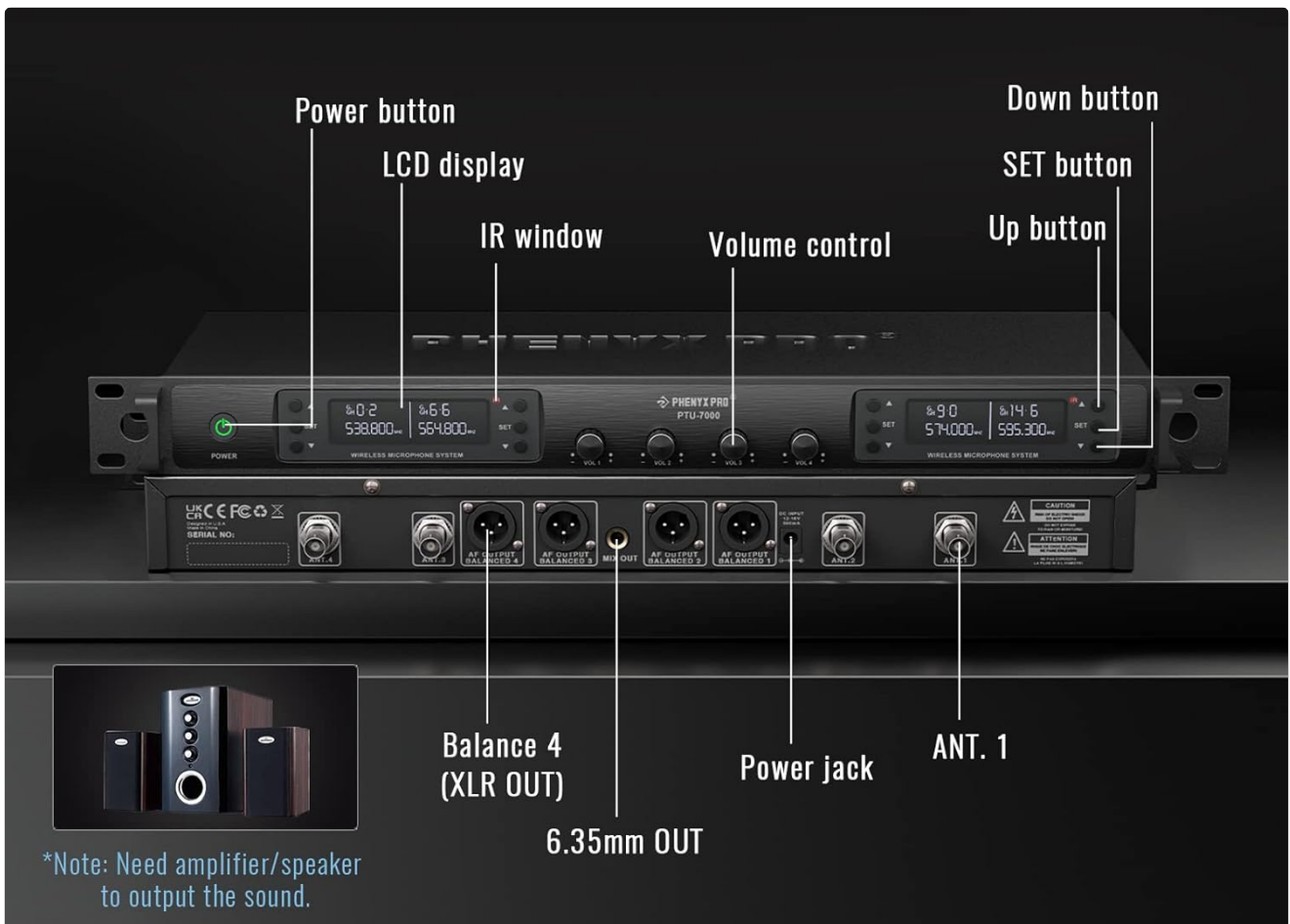
**Step3:** Connect the receiver to amp/speaker/next stage of system.

**\*NOTE:** No Bluetooth Connection.

**Description:** This image displays all the components included in the Phenyx Pro PTU-7000A package, neatly arranged. It features the main receiver unit, four UHF wireless handheld microphones, four antennas, a 1/4" audio cable, a power adapter, four anti-rolling rings, eight AA batteries, and the user manual.

### 1.2 Connecting the Receiver

- 1. Attach Antennas:** Screw the four included antennas onto the corresponding ANT.A, ANT.B, ANT.C, and ANT.D connectors on the rear panel of the receiver. Ensure they are finger-tight.
- 2. Connect Power:** Plug the AC power adapter into the DC INPUT port on the receiver's rear panel, then connect the other end to a wall outlet. Press the POWER button on the front panel to turn on the receiver.



## UHF WIRELESS RECEIVER



METAL BUILT



AUTO SCAN

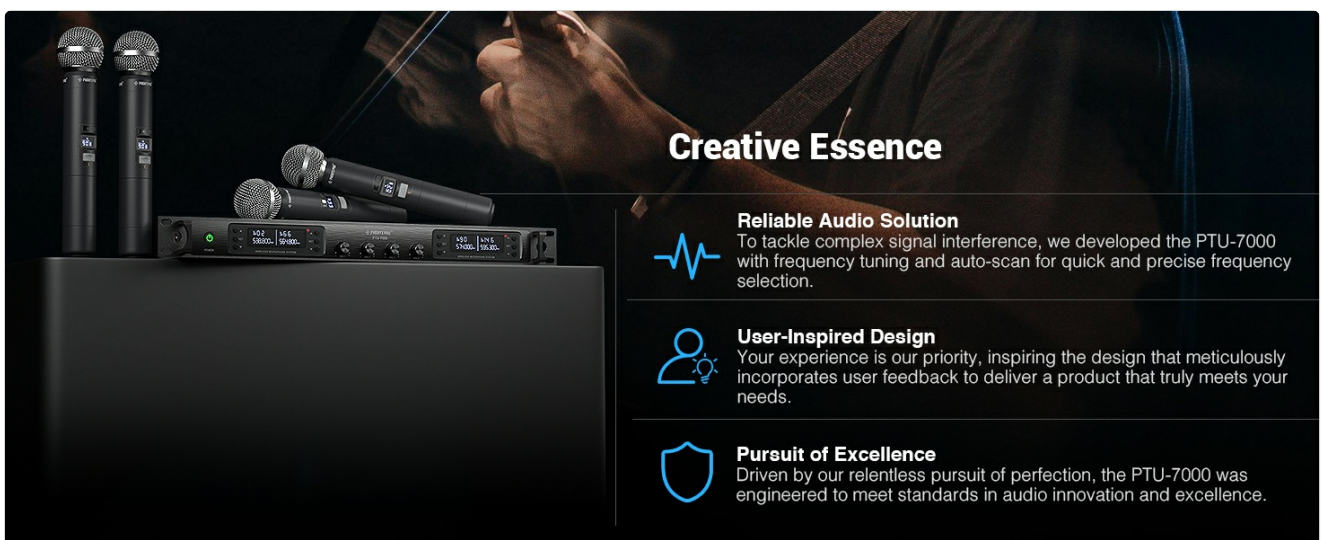


LOCK FUNCTION

4x40

FREQUENCY GROUPS

**Description:** This image provides a detailed diagram of the UHF wireless receiver, highlighting key components such as the power button, LCD display for channel and frequency information, IR window for synchronization, individual volume controls for each channel, 6.35mm mixed output, four XLR balanced outputs, power jack, and antenna connections.



**Description:** This image provides a detailed view of the receiver's rear panel, showing the XLR and 6.35mm outputs, antenna

connections, and power input. It also includes a step-by-step visual guide on how to initiate auto-scan and perform IR synchronization between the receiver and transmitters.

### 1.3 Installing Batteries in Handheld Microphones

1. Unscrew the bottom part of each handheld microphone.
2. Insert two AA batteries into each microphone, ensuring correct polarity (+/-).
3. Screw the bottom part back on securely.



## UHF HANDHELD TRANSMITTER



METAL BUILT

*PRO*

SOUND QUALITY



CARDIOID PATTERN

*328FT*

STABLE COVERAGE

**Description:** This image shows the UHF handheld transmitter with its lower section unscrewed, exposing the battery compartment for inserting AA batteries and highlighting the high-end capsule designed for optimal audio capture. A note advises keeping the microphone 1-2 inches (3-5 cm) from the mouth for best sound.

### 1.4 Setup Video Guide

**Description:** This official Phenyx Pro video demonstrates the unboxing and initial setup of the PTU-7000A wireless microphone system, including connecting antennas, powering on the receiver, installing batteries in the microphones, and performing auto-scan and IR synchronization.

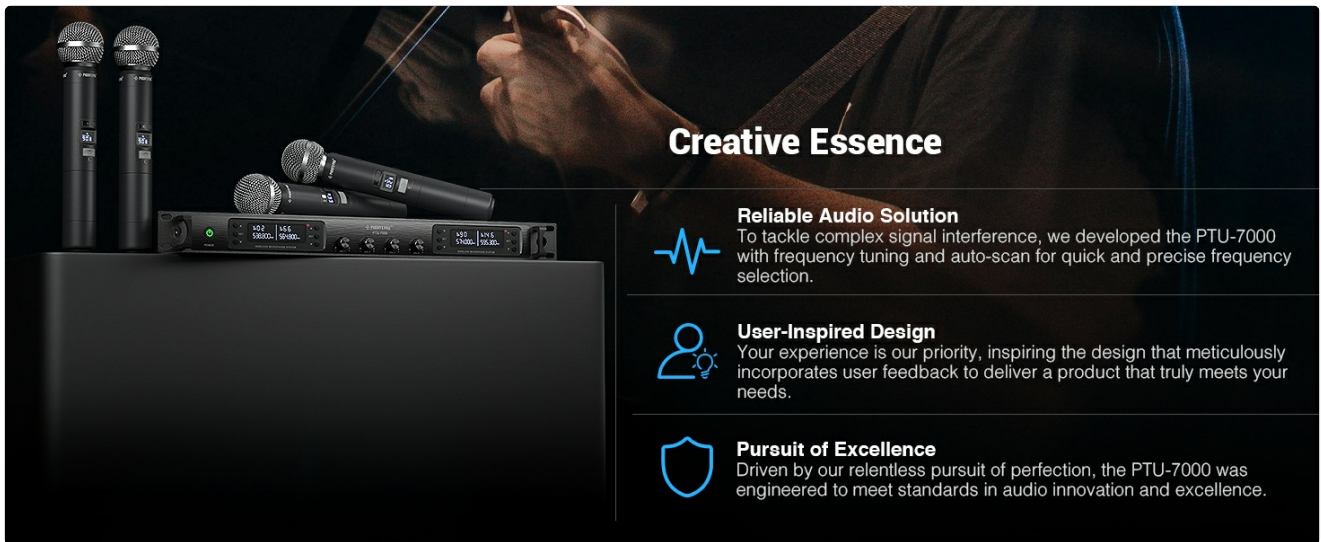
## 2. OPERATING INSTRUCTIONS

## 2.1 Auto Scan and IR Synchronization




1. **Initiate Auto Scan:** On the receiver, long press the SET button (2s) for the desired channel to initiate auto-scan. The system will automatically search for the least interference frequency.
2. **IR Sync:** Once a new frequency appears on the receiver's display, tap the SET button again. Vertically aim the IR window of the handheld microphone towards the IR sensor on the receiver to pair them up. The microphone's display will update to match the receiver's frequency.



**Description:** This diagram visually explains the auto-scan circuitry within the wireless receiver, demonstrating how it scans the RF environment to locate the least interference channel for reliable performance.



## Creative Essence

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**Reliable Audio Solution**  
 To tackle complex signal interference, we developed the PTU-7000 with frequency tuning and auto-scan for quick and precise frequency selection.
- 
**User-Inspired Design**  
 Your experience is our priority, inspiring the design that meticulously incorporates user feedback to deliver a product that truly meets your needs.
- 
**Pursuit of Excellence**  
 Driven by our relentless pursuit of perfection, the PTU-7000 was engineered to meet standards in audio innovation and excellence.

**Description:** This image provides a detailed view of the receiver's rear panel, showing the XLR and 6.35mm outputs, antenna connections, and power input. It also includes a step-by-step visual guide on how to initiate auto-scan and perform IR synchronization between the receiver and transmitters.

## 2.2 Lock Function

To prevent accidental changes during operation, you can lock the receiver's settings. Long press the UP button (2s) on the receiver to lock or unlock your settings.



### How to Set Up Auto Scan

Long press the SET button (2s) to initiate auto-scan

Wait until the new frequency appears

Tap the SET button again to initiate IR sync

Vertically aim the IR window of a transmitter to that of the receiver to pair them up

**Description:** A close-up of the receiver's LCD display with the 'LO n' indicator, signifying that the lock function is active, securing the settings to prevent accidental changes.

## 2.3 Audio Output Connections

The PTU-7000A offers flexible audio output options:

- Mixed Output:** Use the 1/4" mixed output for combining all four microphone signals into a single output.
- Separate Outputs:** Use the four XLR separate outputs for individual control over each microphone channel, ideal for professional mixing.

The system is compatible with various devices including amplifiers, audio mixers, karaoke machines, speakers, and televisions.

## Frequent Q&A

PHENYX PRO

**Q:** Can I add more bodypacks to the system?  
Can I purchase extra handheld mics for backup?

**A:** Absolutely. We offer a range of accessories for backup and customization. Simply search the model number on the right-hand side on the marketplace to find what you need.

[Learn More](#)



**Description:** This diagram provides a visual guide for connecting the wireless microphone system to a home theater system for karaoke, showing the receiver connected to a TV via RCA cables (not included) and to speakers via XLR/6.35mm cables (not included), with a 1/4" audio cable included for receiver output.

## Frequent Q&A

PHENYX PRO

**Q:** Does this product come with a rack mount kit?  
If not, can I purchase one separately?

**A:** The product does not include a rack mount kit. However, you can purchase it separately. Featuring BNC connectors for front-mounting antennas and 50cm cables, this kit enhances reception and flexibility for your systems.

[Learn More](#)



**Description:** This diagram shows the connection setup for using the wireless microphone system with an amplifier mixer receiver for karaoke, detailing the receiver's connection to the amplifier and speakers.

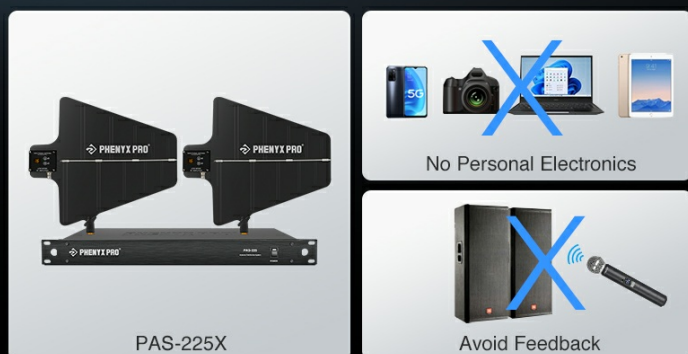
## Frequent Q&A

PHENYX PRO

**Q:** What should I do if I want to extend the operating range?

**A:** To extend the operating range, we recommend using the PAS-225X antenna distribution system. It enhances signal strength and coverage, allowing for greater distance and more reliable performance.

[Learn More](#)



**Description:** A diagram depicting a professional audio setup, showing the wireless receiver connected to an audio mixer, which then feeds into an audio amplifier and speakers, using XLR and RCA cables (not included).

## 2.4 Operation Video Guide

**Description:** An official Phenyx Pro video showcasing the key features and operational aspects of the PTU-7000A Quad Channel Wireless Microphone System, including its multi-channel capabilities, auto-scan, IR sync, and robust build quality.

### 3. MAINTENANCE

- **Battery Replacement:** The handheld microphones use 2x AA batteries each, providing up to 16 hours of use. Replace batteries when the indicator shows low power.
- **Microphone Handling:** For optimal sound capture and to prevent feedback, keep the microphone about 1-2 inches (3-5 cm) away from your mouth.
- **Cleaning:** Regularly clean the microphone grilles and receiver surfaces with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.

### 4. TROUBLESHOOTING

#### 4.1 Common Issues & Solutions

- **Cutoffs and Static Noises:** If you experience cutoffs or static noises, it might be due to a complex signal environment. Use the auto-scan function to find a clear frequency. For persistent issues, consider upgrading to a True Diversity wireless microphone system (e.g., PTU-1U or PTAU-2) for stronger interference resistance.
- **Extending Operating Range:** To extend the operating range beyond 328ft, we recommend using the PAS-225X antenna distribution system. It enhances signal strength and coverage. Avoid placing personal electronics near the receiver and ensure proper microphone placement to prevent feedback.
- **Computer Connection:** To connect the wireless system to a computer, first connect the system to a mixer, and then connect the mixer to your computer via its USB port. Select the mixer as the audio input device on your computer.



**Description:** This FAQ explains that cutoffs and static noises might be due to a complex signal environment and recommends upgrading to True Diversity wireless microphone systems like PTU-1U or PTAU-2 for stronger interference resistance.

### 5. SPECIFICATIONS

<b>Model Name</b>	PTU-7000A
<b>Connectivity Technology</b>	UHF

<b>Number of Channels</b>	4 (4x40 selectable frequencies)
<b>Frequency Response</b>	Channel 1: 538.3 - 550Mhz, Channel 2: 554.8 - 566.5MHz, Channel 3: 571.3 - 583MHz, Channel 4: 587.8 - 599.5MHz
<b>Operating Range</b>	290ft – 328ft line of sight
<b>Microphone Form Factor</b>	Handheld
<b>Polar Pattern</b>	Unidirectional (Cardioid)
<b>Power Source</b>	Battery Powered (8 AA batteries included)
<b>Battery Life</b>	Up to 16 hours
<b>Connector Type</b>	6.35 mm Jack, XLR
<b>Material</b>	Metal (Receiver and Microphones)
<b>Signal-to-Noise Ratio</b>	27 dB
<b>Audible Noise</b>	25 Decibels
<b>Item Dimensions</b>	10.15 x 11.5 x 20.66 inches

## 6. WARRANTY

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Phenyx Pro products are crafted with premium components and precision engineering, ensuring trusted quality and lasting reliability. We stand firmly behind every product we make.

## 7. SUPPORT

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Phenyx Pro is committed to providing excellent customer support. We maintain a close connection with our users and constantly innovate our products in line with their needs to provide better and easier sound solutions.

For further assistance or inquiries, please refer to the contact information provided in your user manual or visit the official Phenyx Pro website.