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› [Phenyx Pro PTU-5000-4H 4-Channel UHF Wireless Microphone System User Manual](#)

Phenyx Pro PTU-5000-4H

Phenyx Pro PTU-5000-4H 4-Channel UHF Wireless Microphone System User Manual

Model: PTU-5000-4H

1. INTRODUCTION

This manual provides detailed instructions for the Phenyx Pro PTU-5000-4H 4-Channel UHF Wireless Microphone System. Please read this manual thoroughly before operating the system to ensure proper setup, optimal performance, and safe use. Retain this manual for future reference.



The Phenyx Pro PTU-5000-4H system includes one receiver unit and four handheld wireless microphones.

2. PRODUCT OVERVIEW

2.1 Box Contents

- 1 x 4-Channel UHF Wireless Receiver
- 4 x UHF Handheld Wireless Microphones
- 2 x Antennas
- 1 x Power Adapter
- 1 x 6.5 mm to 3.5 mm Cable Adapter
- 1 x 1/4" Audio Cable
- 1 x Users Manual
- 4 x Anti-rolling Rings
- 4 x Rubber Feet
- 8 x AA Batteries (for long hour operation)

WHAT YOU GET



PRODUCT LIST

2 x Antennas	1 x Users manual
1 x Power adapter	4 x Anti-rolling rings
1 x 1/4" audio cable	4 x Rubber feet
1 x 6.5mm to 3.5mm cable adapter	8 x AA batteries

EXTRA ACCESSORIES



The package includes the 4-channel UHF wireless receiver, four UHF handheld microphones, two antennas, a power adapter, a 6.5mm to 3.5mm cable adapter, a 1/4" audio cable, a user manual, four anti-rolling rings, four rubber feet, and eight AA batteries.

2.2 Key Features

- Exceptional Sound Quality:** Each microphone features a high-quality dynamic cardioid cartridge for precise sound capture and noise rejection.
- UHF Wireless Performance:** Fixed frequencies at 541.9 MHz, 546.3 MHz, 561.6 MHz, and 568.65 MHz ensure stable signal transmission with minimal distortion.
- Extended Range:** Offers up to 260 feet of operating range.
- Durable Construction:** All-metal receiver and microphone housing designed for heavy-duty use.
- User-Friendly Design:** Features an LCD screen, individual volume controls, memory switch, and snap-on BNC antennas.
- Wide Compatibility:** Connects to various audio equipment including amplifiers, mixers, PA systems, and karaoke machines.

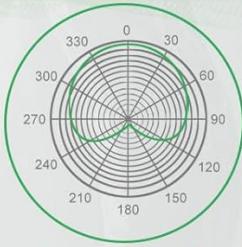
LOSSLESS PROFESSIONAL SOUND QUALITY

Selective Capsule To Render Your Crystal-Clear Audio



Replaceable Quality Capsule

Premium circuitry for crisp robust audio



Classic Cardioid Pickup

Effectively prevent ambient noises



Each microphone features a high-quality dynamic cardioid cartridge designed for precise sound capture and noise rejection, ensuring clear audio.

UHF HANDHELD TRANSMITTER



All-Metal Housing



Comfortable Grip



Button Life Tested



Sturdy Build

- Build like a tank with whole metal housing



Low Battery Indicator

- Screen will turn **RED** when the battery is low (NO physical battery indicator)



ON/OFF Switch

- Underpart placement to avoid inadvertently turning the mic off
- Rigorous button life tests

The handheld microphones are constructed with durable all-metal housing, feature a comfortable grip, and include a low battery indicator (screen turns red) and a recessed on/off switch to prevent accidental activation.

QUAD UHF WIRELESS RECEIVER



Rugged Metal Build

UHF

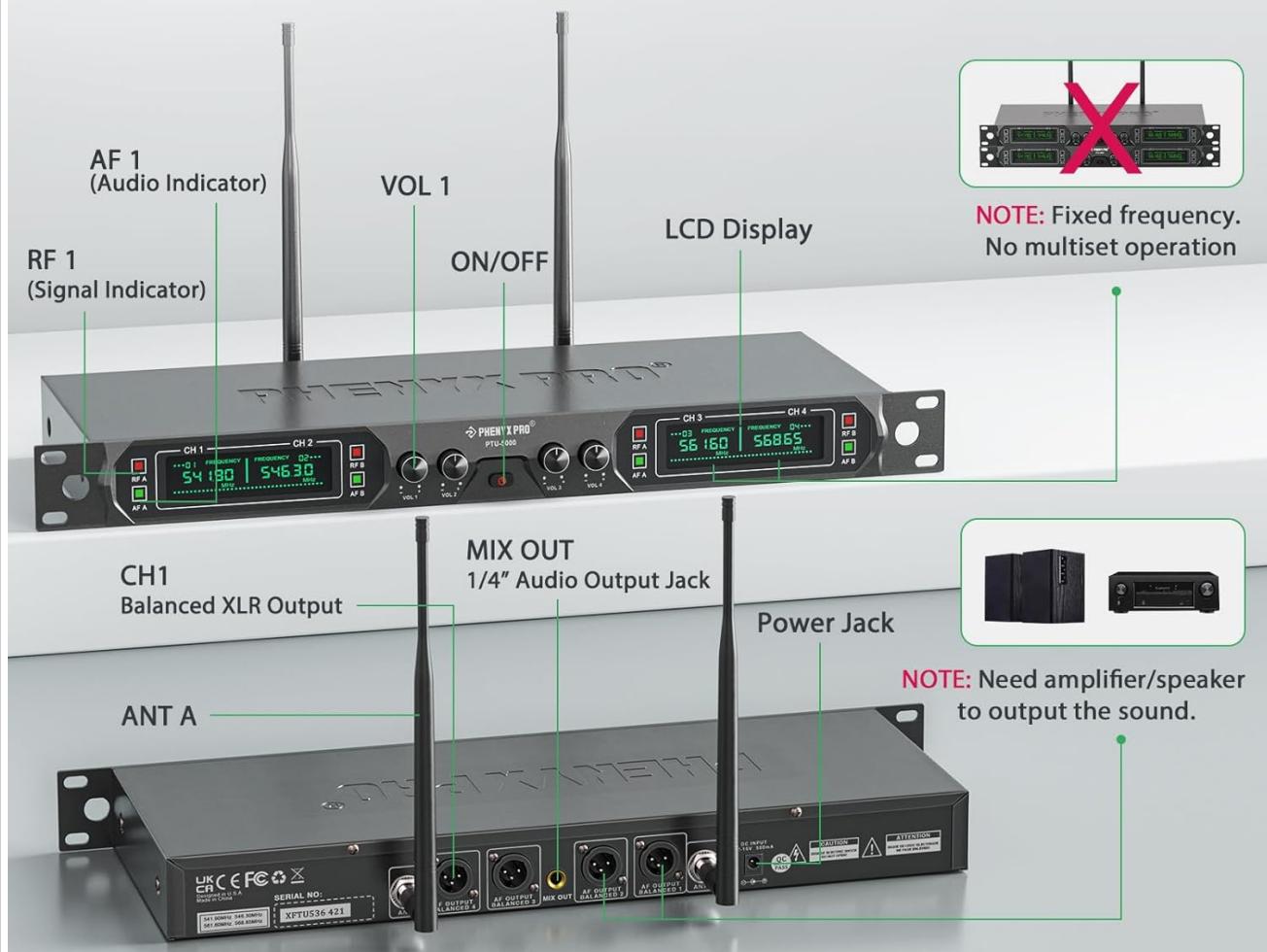
Fixed Frequency Design



Plug-and-go Operation



Individual Volume Control



The quad-channel UHF wireless receiver features an LCD screen displaying frequency, individual volume controls for each channel, and multiple output options including balanced XLR and a 1/4" audio jack. It requires an amplifier or speaker for sound output.

Built To Last

The entire system features an elegant and sleek design embellished with matte gloss and a graceful figure. The rugged receiver and microphones are fully metal built. You can enjoy a firm, comfortable hand feel.



The receiver provides four balanced XLR outputs for noise-free signal transmission and diversified mixing options.

Memory Switch

Retain the last operation status after unplugging the power cord. Enable the use of master switch.



Snap-on BNC antennas allow for quick and secure connections, facilitating easy setup and dismantling.

Four XLR Outputs

Balanced XLR connection for noise-free original signal transmission. Separate XLR outputs aim for more professional and diversified mixing than a single XLR output. Unlock more professional potential.



Color-coded anti-rolling rings are included to prevent microphones from rolling off surfaces and for easy identification.

3. SETUP INSTRUCTIONS

- Unpack Components:** Carefully remove all items from the packaging and verify that all listed components are present.
- Install Antennas:** Screw the two antennas onto the corresponding ANT A and ANT B connectors on the rear of the receiver. Ensure they are securely fastened and positioned for optimal reception.
- Power Connection:** Connect the power adapter to the receiver's power jack and then plug it into a suitable power outlet.
- Audio Output Connection:**
 - For individual microphone outputs, connect XLR cables from the receiver's balanced XLR outputs (AF OUTPUT 1-4) to your mixer or amplifier's input channels.
 - For a mixed output of all four microphones, connect the 1/4" audio cable from the receiver's MIX OUT jack to your mixer or amplifier's input.

Note: An amplifier or speaker is required to output sound from the system.

- Microphone Batteries:** Insert two AA batteries into each handheld microphone, ensuring correct polarity. The system includes 8 AA batteries.

6. **Power On:** Turn on the receiver using the ON/OFF button. Then, turn on each handheld microphone using its ON/OFF switch. The receiver's LCD screen will display the frequency and signal status.
7. **Volume Adjustment:** Adjust the individual volume controls (VOL 1-4) on the receiver to balance the audio levels of each microphone.

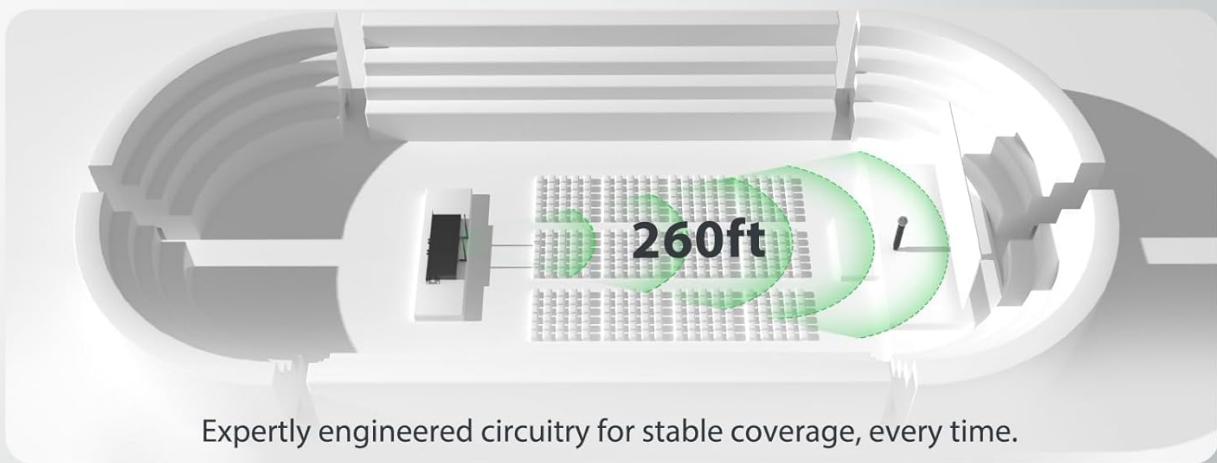
RELIABLE INSTANT WIRELESS



Stable Signal



Easy Recall



Expertly engineered circuitry for stable coverage, every time.



Memory switch to save and recall preset settings for quick setup.

The system is designed for instant wireless operation with a memory switch that saves your last settings for quick recall.

WIDE COMPATIBILITY



Power amplifier



Outdoor speaker



PA speaker system



Mixer



Karaoke machine

NOTE: This wireless microphone system is used to transmit sound wirelessly, users will need a speaker to output the sound.

The system offers wide compatibility with various audio output devices.

4. OPERATING INSTRUCTIONS

4.1 Microphone Usage

- Hold the microphone approximately 2-6 inches from your mouth for optimal sound pickup.
- Avoid covering the microphone grille with your hand, as this can affect sound quality and signal.
- The microphone's screen will turn red when the battery level is low, indicating it's time to replace the AA batteries.
- Utilize the included anti-rolling rings to prevent microphones from rolling off flat surfaces.

4.2 Receiver Operation

- The LCD display on the receiver shows the active frequency and signal strength for each channel.
- Adjust the individual volume knobs (VOL 1-4) on the receiver to control the output level of each microphone independently.
- The memory switch feature allows the receiver to retain its last operational settings even after being

unplugged, enabling quick power-on without re-configuration.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Replacement:** Replace AA batteries in the microphones promptly when the low battery indicator appears to ensure uninterrupted performance.
- **Storage:** When not in use for extended periods, store the system in a dry, cool place, away from direct sunlight and extreme temperatures. Remove batteries from microphones before long-term storage.
- **Antenna Care:** Handle antennas carefully to prevent bending or damage. Ensure they are properly connected for optimal signal.

6. TROUBLESHOOTING

Common Issues and Solutions

- **No Sound Output:**

- Ensure the receiver is powered on and connected to an amplifier/speaker.
- Check that microphones are powered on and have fresh batteries.
- Verify all audio cables are securely connected between the receiver and the output device.
- Adjust the volume controls on both the receiver and the connected audio device.

- **Cutoffs or Static Noise:**

- **Interference:** Avoid using multiple personal electronic devices (e.g., cell phones, laptops) simultaneously near the system, as they can cause interference.
- **Feedback:** Avoid pointing microphones directly at speakers. Adjust microphone and speaker placement to minimize feedback.
- **Range:** Ensure the microphones are within the 260ft operating range of the receiver. Obstacles can reduce effective range.
- **Antennas:** Check that antennas are properly installed and positioned.

- **Microphone Not Connecting:**

- Ensure the microphone has fresh batteries and is powered on.
- Verify the receiver is powered on.
- Since this system uses fixed frequencies, ensure no other wireless devices are operating on the same frequencies.

- **Multiple Systems Operation:**

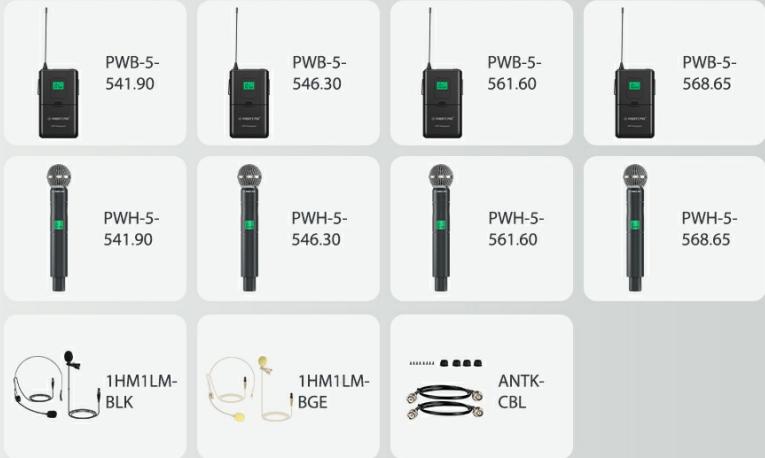
- The UHF fixed frequency series is designed for single-system operation (4 channels at a time). For multiple systems, consider Phenyx Pro models with adjustable frequencies (e.g., PTU-5200 series).



FREQUENT Q&A

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](#)

To prevent cutoffs and static, avoid using personal electronics near the system and prevent microphones from pointing directly at speakers.

7. SPECIFICATIONS

BNC Antenna

Snap-on lock design and it can connect and disconnect more easily than TNC antenna. Considerate design to facilitate rack mount procedures.



Detailed dimensions and technical specifications are provided in the image above.

Category	Specification
Model Number	PTU-5000-4H (PTU-5000A base model)
Brand	Phenyx Pro
Microphone Form Factor	Handheld
Number of Channels	4
Fixed Frequencies	541.9 MHz, 546.3 MHz, 561.6 MHz, 568.65 MHz
Connectivity Technology	UHF, 6.35 mm Jack, XLR
Operating Range	Up to 260 ft (80 meters)
Material	Metal (Receiver and Microphones)

Category	Specification
Power Source	Battery Powered (Microphones), AC Adapter (Receiver)
Microphone Batteries	2 AA batteries per microphone (included)
Battery Life	At least 8 hours with original batteries
Polar Pattern	Unidirectional (Cardioid)
Frequency Response	50 Hz - 18 kHz
Signal-to-Noise Ratio	105 dB
Receiver Dimensions	20.6 x 4.52 x 10.15 inches (approx. 48cm x 11.5cm x 25.8cm)
Item Weight	8.86 Pounds
Compatible Devices	Amplifier, Audio Mixer, Karaoke Machine, PA System, Speaker

8. WARRANTY AND SUPPORT

Phenyx Pro products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official Phenyx Pro website.

If you encounter any issues or require technical assistance, please contact Phenyx Pro customer support. Contact details can typically be found on the product packaging, the official website, or through your retailer.

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Related Documents - PTU-5000-4H

	<u>Phenyx Pro PTU-5000 4-Channel UHF Wireless Microphone System User Manual</u> User manual for the Phenyx Pro PTU-5000 4-Channel UHF Fixed Frequency Wireless Microphone System. Includes system description, operating instructions, troubleshooting, specifications, and warranty information.
	<u>Phenyx Pro PTU-5000 4-Channel UHF Wireless Microphone System Owner's Manual</u> Detailed owner's manual for the Phenyx Pro PTU-5000 4-Channel UHF Fixed Frequency Wireless Microphone System. Includes system overview, specifications, setup and operation instructions, troubleshooting guide, and warranty information.
	<u>Phenyx Pro PTU-71/7000/6000 Series Wireless Microphone System Owner's Manual</u> Owner's manual for the Phenyx Pro PTU-71/7000/6000 Series of selectable UHF frequency dual, quad, and eight-channel wireless microphone systems. Includes system overview, features, components, setup, operation, troubleshooting, specifications, and warranty information.
	<u>Phenyx Pro PTU-5200 4-Channel UHF Wireless Microphone System Owner's Manual</u> This manual provides a comprehensive guide to the Phenyx Pro PTU-5200 4-Channel UHF Wireless Microphone System, covering system description, setup, operation, and technical specifications. Learn how to use and maintain your wireless microphone system for optimal performance.

 PTU-71 OWNER'S MANUAL	<p>Phenyx Pro PTU-71 Dual UHF Wireless Microphone System Owner's Manual</p> <p>Owner's manual for the Phenyx Pro PTU-71 Dual UHF Wireless Microphone System, covering setup, operation, troubleshooting, specifications, and warranty information.</p>
 PTU-51/5000/4000 Series Fixed UHF Frequency Dual / Quad / Eight-Channel Wireless Microphone System  USER MANUAL	<p>Phenyx Pro PTU-51/5000/4000 Series Wireless Microphone System User Manual</p> <p>Comprehensive user manual for the Phenyx Pro PTU-51/5000/4000 Series Fixed UHF Frequency Dual/Quad/Eight-Channel Wireless Microphone System. Provides detailed information on system overview, features, components, functions of parts, operation guidance, wireless tips, troubleshooting, specifications, and warranty information.</p>