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## IDOLPRO UHF-X3

# IDOLPRO UHF-X3 Golden Phoenix Dual Wireless Microphone System

## USER MANUAL

Model: UHF-X3

### 1. Introduction

Thank you for choosing the IDOLPRO UHF-X3 Golden Phoenix Dual Wireless Microphone System. This system is designed to provide high-quality audio performance for various applications, including karaoke, live performances, and presentations. It features a 900 MHz frequency range for reliable signal transmission, an engraved handheld microphone design, and advanced functionalities like intelligent frequency scanning and vocal support technology. Please read this manual thoroughly to ensure proper setup, operation, and maintenance of your new wireless microphone system.

### 2. Safety Information

- **Power Supply:** Use only the specified power adapter for the receiver. Ensure the voltage matches the requirements.
- **Battery Safety:** Use only AA batteries for the microphones. Do not mix old and new batteries, or different types of batteries. Remove batteries if the microphones will not be used for an extended period.
- **Moisture and Heat:** Keep the system away from water, high humidity, and extreme temperatures. Do not expose to direct sunlight or heat sources.
- **Ventilation:** Ensure adequate ventilation for the receiver to prevent overheating. Do not block ventilation openings.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service

personnel.

- **Placement:** Place the receiver on a stable, flat surface. Avoid placing it near other electronic devices that may cause interference.

### 3. Package Contents

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Carefully unpack the box and ensure all items are present:

- 1 x UHF-X3 Wireless Receiver
- 2 x UHF-X3 Wireless Microphones (Golden Phoenix Engraved)
- 1 x Power Adapter for Receiver
- 1 x 1/4" TS Cable
- 4 x AA Batteries (2 for each microphone)

### 4. Product Overview

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#### 4.1. Wireless Receiver

The receiver unit processes the audio signals from the microphones and outputs them to your sound system.





Image: Rear view of the UHF-X3 wireless receiver, showing the DC power input, two antenna ports, CH B Balanced XLR output, CH A+B 1/4" audio output, and CH A Balanced XLR output.

- **Antennas:** For receiving wireless signals from the microphones.
- **Power Input (DC 12V):** Connects to the provided power adapter.
- **Audio Outputs:** Includes balanced XLR outputs for each channel (CH A, CH B) and a mixed 1/4" TS output (CH A+B) for connecting to an amplifier or karaoke machine.
- **Front Panel Display:** Transparent LCDs show important information like battery levels and signal strengths for each microphone.

#### 4.2. Wireless Microphones

The handheld microphones feature a durable design and an integrated display.



Image: A single IDOLPRO UHF-X3 wireless microphone, showcasing its golden finish, intricate phoenix engraving, and the LCD screen displaying channel and frequency information.

- **Microphone Head:** Features a cardioid polar pattern to minimize background noise and feedback.
- **LCD Display:** Shows channel, frequency, and battery status.
- **Power Button:** Turns the microphone on/off.
- **Battery Compartment:** Located at the bottom, holds two AA batteries.
- **Engraved Design:** The microphone body features a Golden Phoenix engraving, made from a premium iron shell with a scratch-resistant coating.

## 5. Setup Instructions

1. **Position the Receiver:** Place the UHF-X3 receiver on a stable surface, ensuring good line of sight to where the microphones will be used. Extend the antennas vertically.
2. **Connect Power:** Connect the provided power adapter to the DC 12V input on the rear of the receiver, then plug it into a power outlet.
3. **Connect Audio Output:**
  - For individual microphone control, use XLR cables (not included) to connect the CH A and CH B Balanced XLR outputs to your mixer or amplifier.
  - For a combined stereo signal, use the provided 1/4" TS cable to connect the CH A+B output to your mixer or amplifier.

4. **Install Microphone Batteries:** Unscrew the bottom cap of each microphone. Insert two AA batteries into each microphone, observing the correct polarity (+/-). Screw the cap back on securely.
5. **Power On:** Turn on the receiver using its power button. Then, turn on each microphone by pressing and holding its power button. The microphone's LCD display should illuminate.
6. **Frequency Scanning (Automatic Pairing):** The system is designed for intelligent frequency scanning. Upon powering on, the receiver and microphones will automatically scan for the best available channel and pair. Ensure the microphone's channel matches the receiver's display for that channel.
7. **Adjust Gain:** The receiver features adjustable gain controls for each microphone channel. Start with the gain set to a low level and gradually increase it during a sound check to achieve optimal audio levels without distortion or feedback.

## 6. Operating Instructions

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### 6.1. Using the Microphones

- **Holding the Microphone:** Hold the microphone firmly, pointing the top (grille) towards the sound source. Avoid covering the grille with your hand, as this can affect sound quality and signal reception.
- **Cardioid Polar Pattern:** The microphones utilize a cardioid polar pattern, which is most sensitive to sound from the front and less sensitive to sound from the sides and rear. This helps to isolate the desired sound source and reduce background noise and feedback.
- **Vocal Support Technology:** This system incorporates vocal support technology to enhance vocal performances. Experiment with your vocal delivery to utilize this feature effectively.

### 6.2. System Features

- **Auto Sound Cut-off:** If a microphone is dropped, the system will automatically cut off the sound to prevent damage and loud thumps through the sound system.
- **ECO-MODE:** To conserve energy, the system will switch to a power-saving ECO-MODE after five minutes of microphone inactivity.
- **Automatic Shutdown:** If a microphone remains inactive for 30 minutes, it will automatically shut down to prevent overheating and further conserve battery life.
- **Transparent LCDs:** Monitor battery levels and signal strengths on both the microphone and receiver displays for optimal performance management.

## 7. Maintenance

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- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Do not use liquid cleaners or abrasive materials.
- **Battery Replacement:** Replace AA batteries in the microphones when the low battery indicator appears on the LCD. Always replace both batteries in a microphone simultaneously.

- **Storage:** When not in use for extended periods, remove batteries from the microphones and store the system in a cool, dry place away from direct sunlight.

## 8. Troubleshooting

Problem	Possible Cause	Solution
No sound from microphone	Microphone or receiver not powered on; low batteries; incorrect audio connection; microphone not paired.	Ensure all devices are powered on. Replace batteries. Check audio cable connections. Verify microphone and receiver are paired (check LCD displays).
Interference or static	Other wireless devices nearby; receiver too far from microphones; environmental obstacles.	Move receiver closer to microphones. Ensure clear line of sight. Avoid placing receiver near Wi-Fi routers or other strong signal sources. The system uses intelligent frequency scanning to find clear channels.
Low volume or distorted sound	Microphone gain set too low or too high; low microphone batteries; speaking too far from microphone.	Adjust the gain control on the receiver. Replace microphone batteries. Speak closer to the microphone head.
Microphone automatically shuts off	Inactivity for 30 minutes.	This is a normal power-saving feature. Turn the microphone back on if needed.
Microphone enters ECO-MODE	Inactivity for 5 minutes.	This is a normal power-saving feature. Resume use to exit ECO-MODE.

## 9. Specifications

<b>Model Name</b>	UHF-X3
<b>Brand</b>	IDOLPRO
<b>Frequency Range</b>	900 MHz
<b>Microphone Form Factor</b>	Handheld
<b>Number of Channels</b>	2
<b>Polar Pattern</b>	Unidirectional (Cardioid)

<b>Connectivity Technology</b>	XLR
<b>Connector Type</b>	XLR, 1/4" TS
<b>Microphone Power Source</b>	2 AA batteries per microphone
<b>Receiver Power Source</b>	Corded Electric (DC 12V)
<b>Microphone Material</b>	Aluminum (Premium Iron Shell)
<b>Signal-to-Noise Ratio</b>	60 dB
<b>Item Weight</b>	7 Pounds (Total System)
<b>Recommended Uses</b>	Karaoke
<b>Special Features</b>	Battery Indicator Light, Vocal Enhance, Intelligent Frequency Scanning, Auto Sound Cut-off, ECO-MODE, Automatic Shutdown

## 10. Warranty and Support

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This product comes with a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official IDOLPRO website. For technical support, troubleshooting assistance, or service inquiries, please contact IDOLPRO customer service through their official channels.