POGOLAB M02973

POGOLAB Wireless XLR Transmitter-Receiver Adapter User Manual

Model: M02973

Introduction

Thank you for choosing the POGOLAB Wireless XLR Transmitter-Receiver Adapter. This device provides a reliable and high-quality wireless solution for your audio needs, offering freedom of movement and seamless connectivity for microphones and audio equipment. This manual will guide you through the setup, operation, and maintenance of your new wireless system.

Important Safety Information

- Read all instructions carefully before using the product.
- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the device to severe impacts.
- Use only the provided charging cable for charging.
- Do not attempt to disassemble or modify the device. This will void the warranty.
- Keep out of reach of children.

Package Contents

Please check the box for the following items:

- 1 x Wireless XLR Transmitter
- 1 x Wireless XLR Receiver
- 1 x USB Charging Cable
- 1 x User Manual

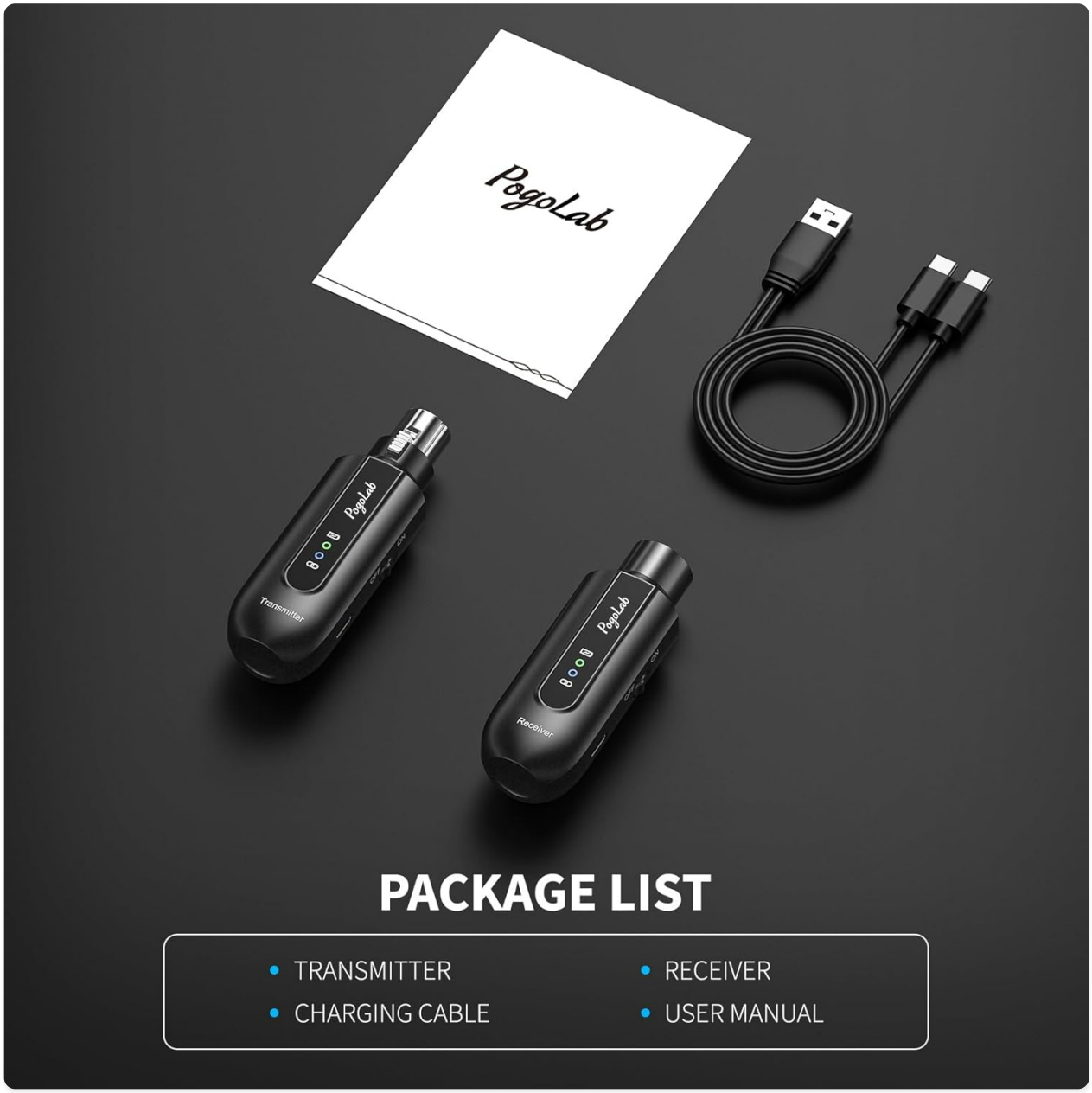

Image: Contents of the POGOLAB Wireless XLR Adapter package, showing the transmitter, receiver, charging cable, and user manual.

Product Overview

The POGOLAB Wireless XLR system consists of a transmitter and a receiver, both designed for ease of use and robust performance.

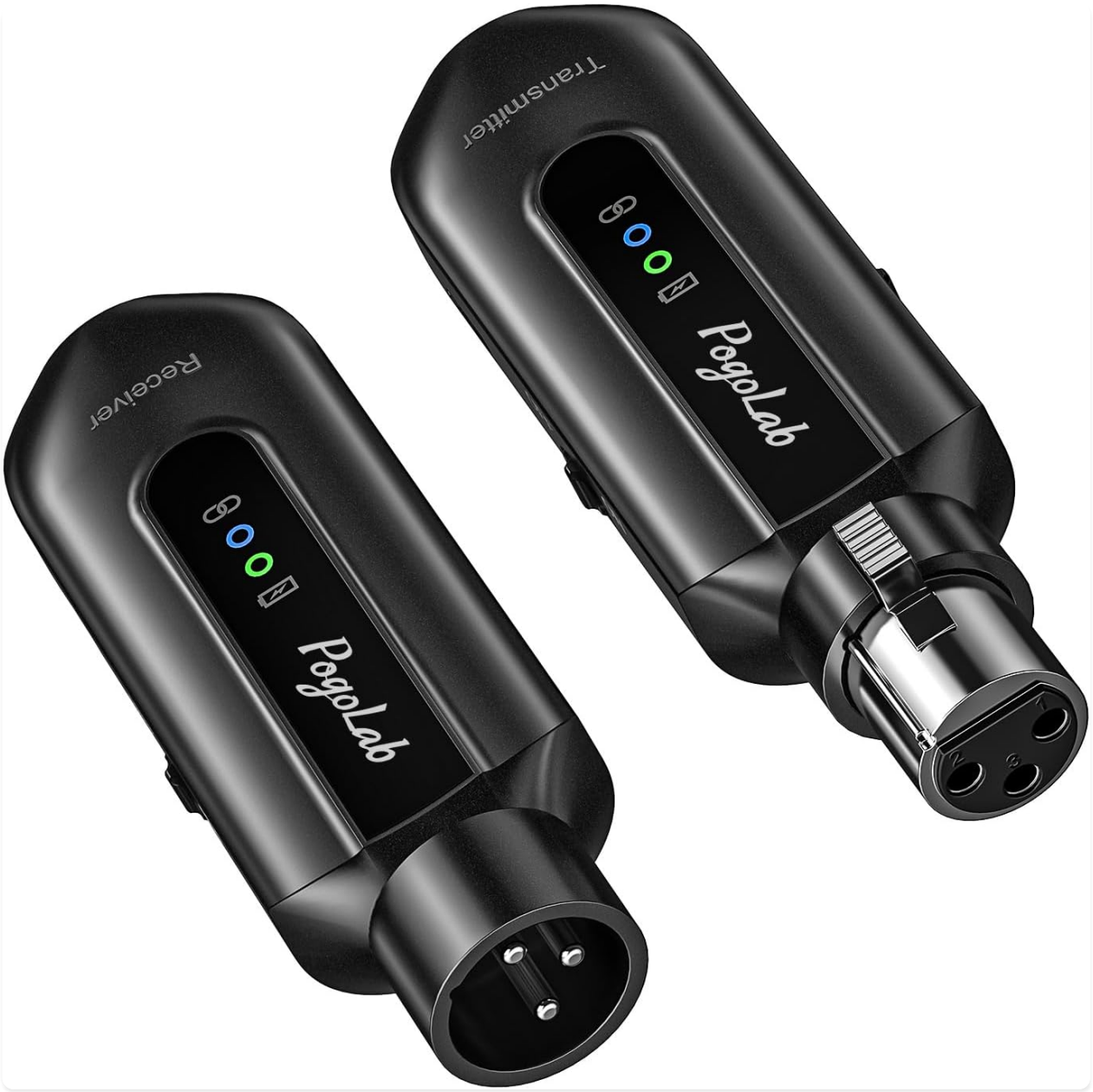

Image: The POGOLAB Wireless XLR Transmitter (right) and Receiver (left) units, showing their compact design and XLR connectors.

Transmitter (TX)

- **XLR Male Connector:** Connects to your microphone.
- **48V Phantom Power Switch:** Enables phantom power for condenser microphones.
- **Power/Pairing Button:** Turns the unit on/off and initiates pairing.
- **Status Indicators:** LEDs indicating power, battery, and connection status.

Receiver (RX)

- **XLR Female Connector:** Connects to your mixer, audio interface, or PA system.
- **Power/Pairing Button:** Turns the unit on/off and initiates pairing.
- **Status Indicators:** LEDs indicating power, battery, and connection status.

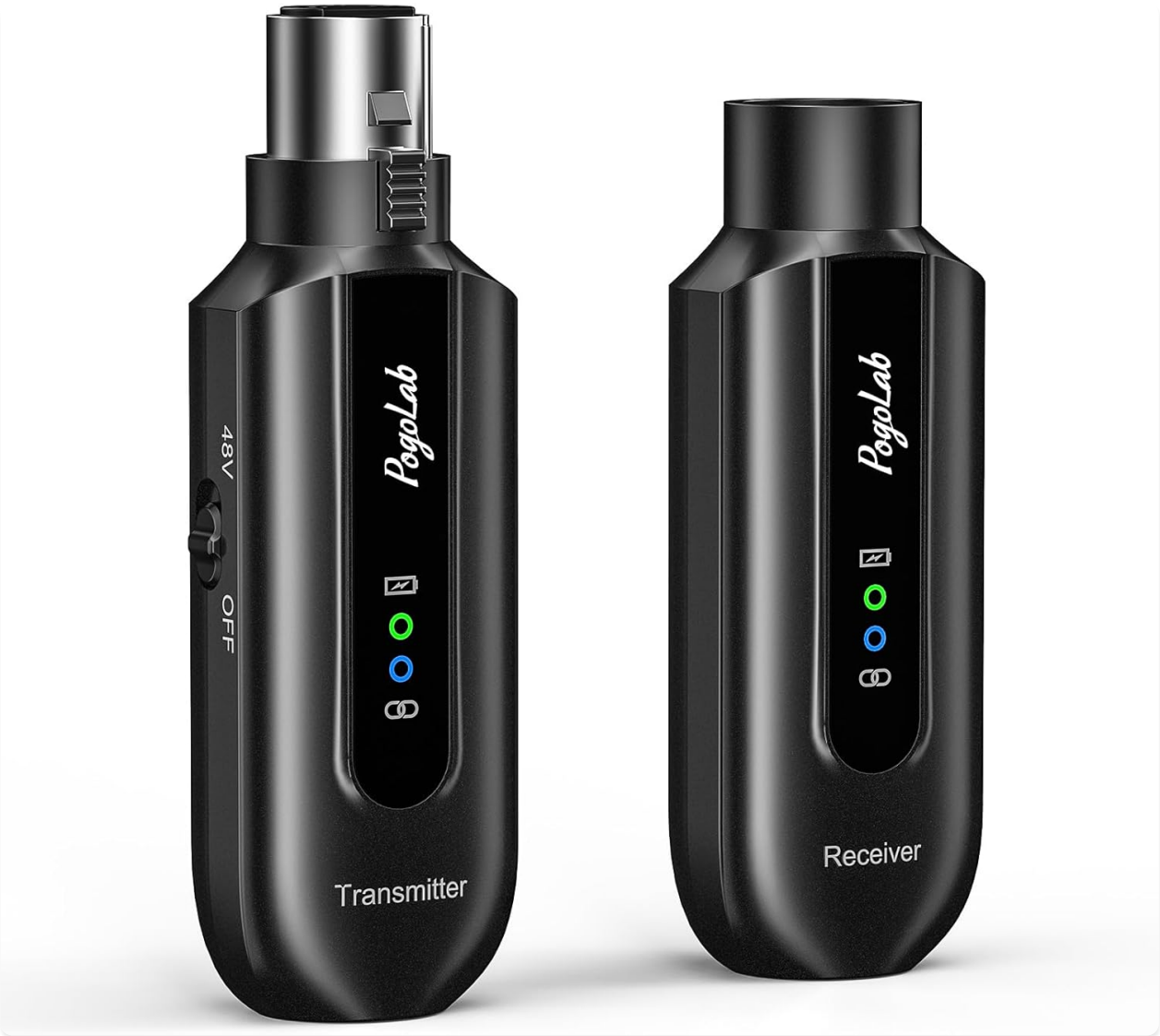

Image: Side view of the POGOLAB Wireless XLR Transmitter and Receiver, highlighting the 48V phantom power switch on the transmitter.

Setup Guide

1. Initial Charging

Before first use, ensure both the transmitter and receiver are fully charged. Use the provided USB charging cable to connect the units to a USB power adapter (not included) or a computer USB port. The charging time is approximately 1 to 2 hours for a full charge, providing up to 12 hours of continuous operation.

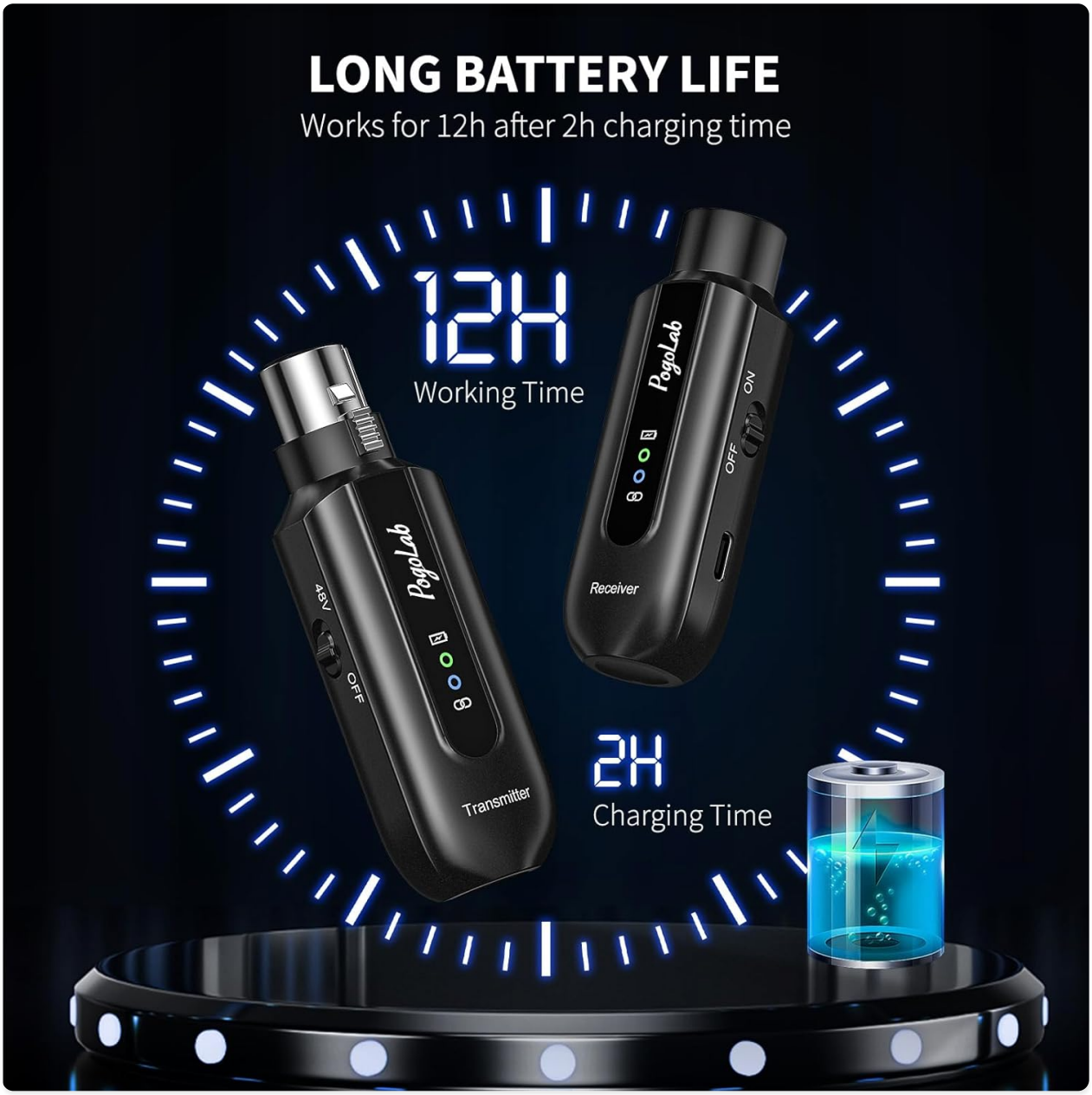

Image: Visual representation of the POGOLAB Wireless XLR system's battery life, indicating 12 hours of working time after 2 hours of charging.

2. Connecting the Transmitter

1. Connect the XLR male end of the **Transmitter** to the XLR output of your microphone.
2. If using a condenser microphone, slide the **48V Phantom Power Switch** on the transmitter to the ON position. For dynamic microphones, ensure it is in the OFF position.

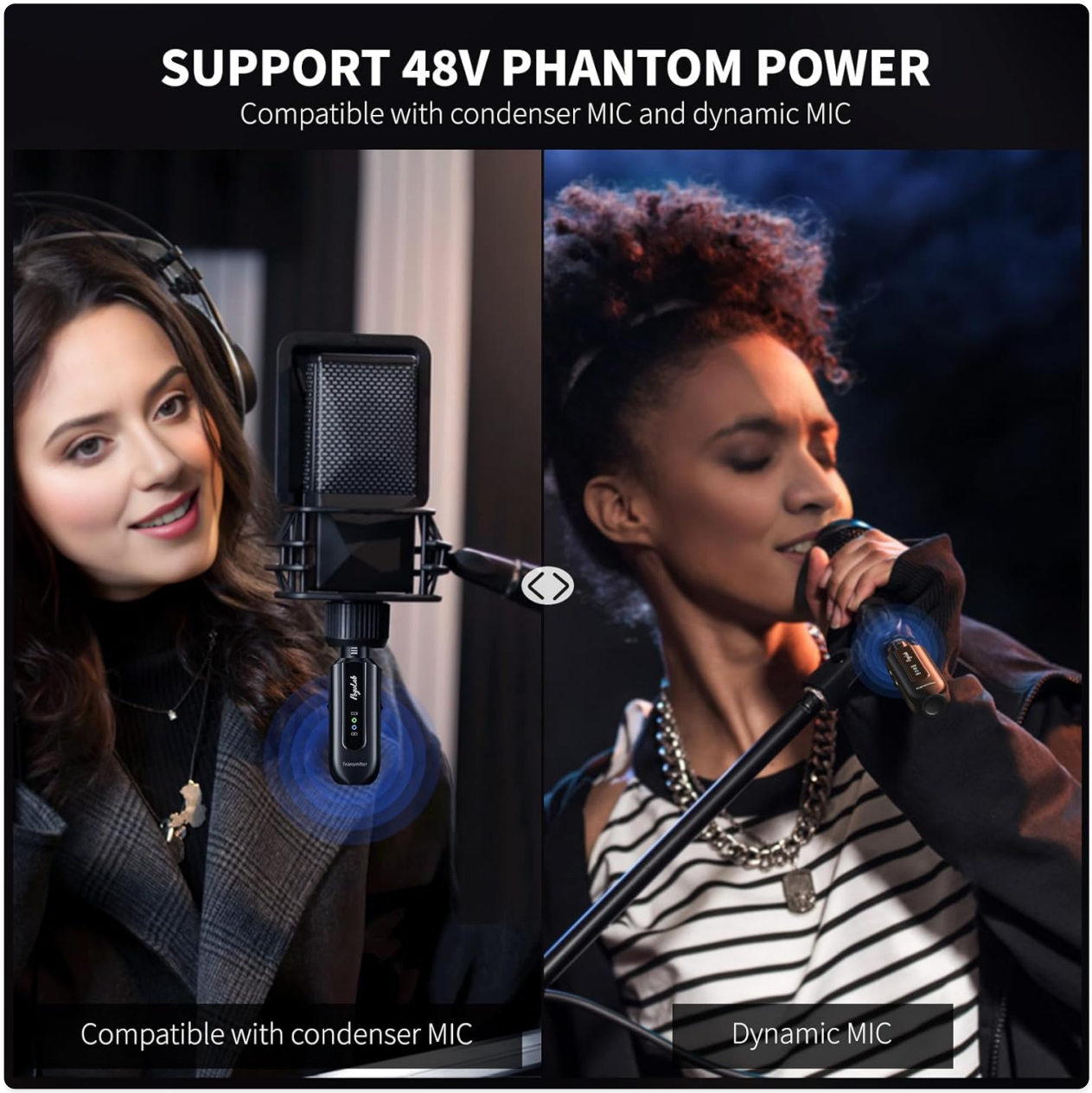

Image: The POGOLAB Wireless XLR system demonstrating compatibility with both condenser and dynamic microphones, emphasizing the 48V phantom power feature.

3. Connecting the Receiver

1. Connect the XLR female end of the **Receiver** to the XLR input of your mixer, audio interface, PA system, or amplifier.

4. Pairing the Units

The transmitter and receiver are designed for automatic one-to-one pairing. Follow these steps:

1. Press and hold the **Power/Pairing Button** on both the Transmitter and Receiver simultaneously for a few seconds until the status indicators begin to flash.
2. Release the buttons. The units will automatically search for each other and pair.
3. Once paired, the status indicators will turn solid blue, indicating a stable connection.

Note: The system uses locked IP pairing, ensuring a stable connection between your specific transmitter and receiver. While multiple pairs can be used simultaneously in the same environment, it is recommended not to exceed 3 groups to maintain optimal performance.

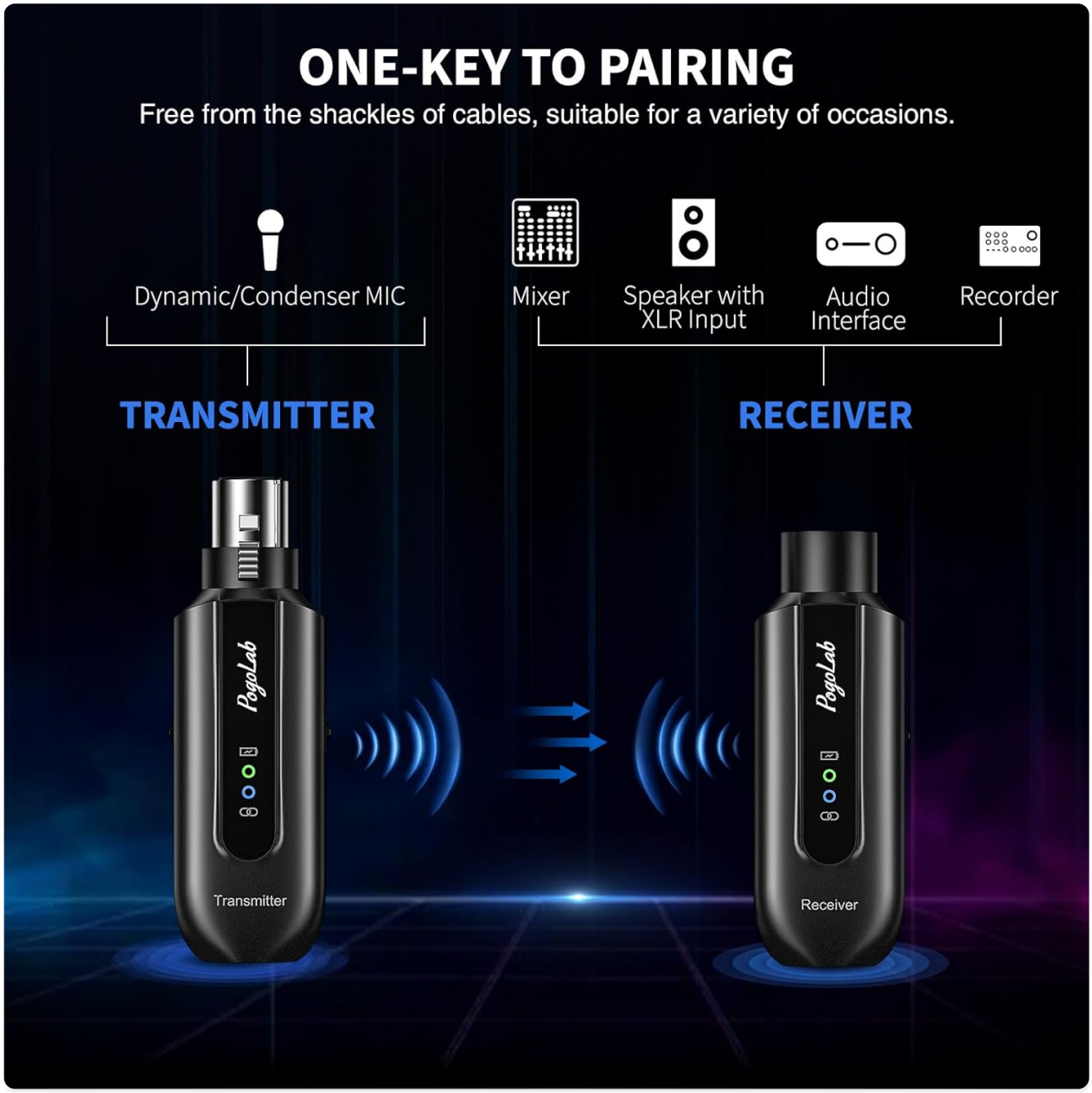

Image: Illustration of the one-key pairing process for the POGOLAB Wireless XLR system, demonstrating its compatibility with various audio devices such as mixers, speakers with XLR input, audio interfaces, and recorders.

Operating Instructions

Powering On/Off

- To turn on: Press and hold the **Power/Pairing Button** on each unit until the status indicators light up.
- To turn off: Press and hold the **Power/Pairing Button** on each unit until the status indicators turn off.

Using the System

1. Ensure both the transmitter and receiver are powered on and successfully paired.
2. Position the transmitter and receiver within the optimal operating range of 45 meters (approximately 150 feet) for best performance.
3. Adjust the volume levels on your mixer or audio interface as needed.
4. The system operates on the 2.4 GHz ISM band, providing stable and low-latency audio transmission.

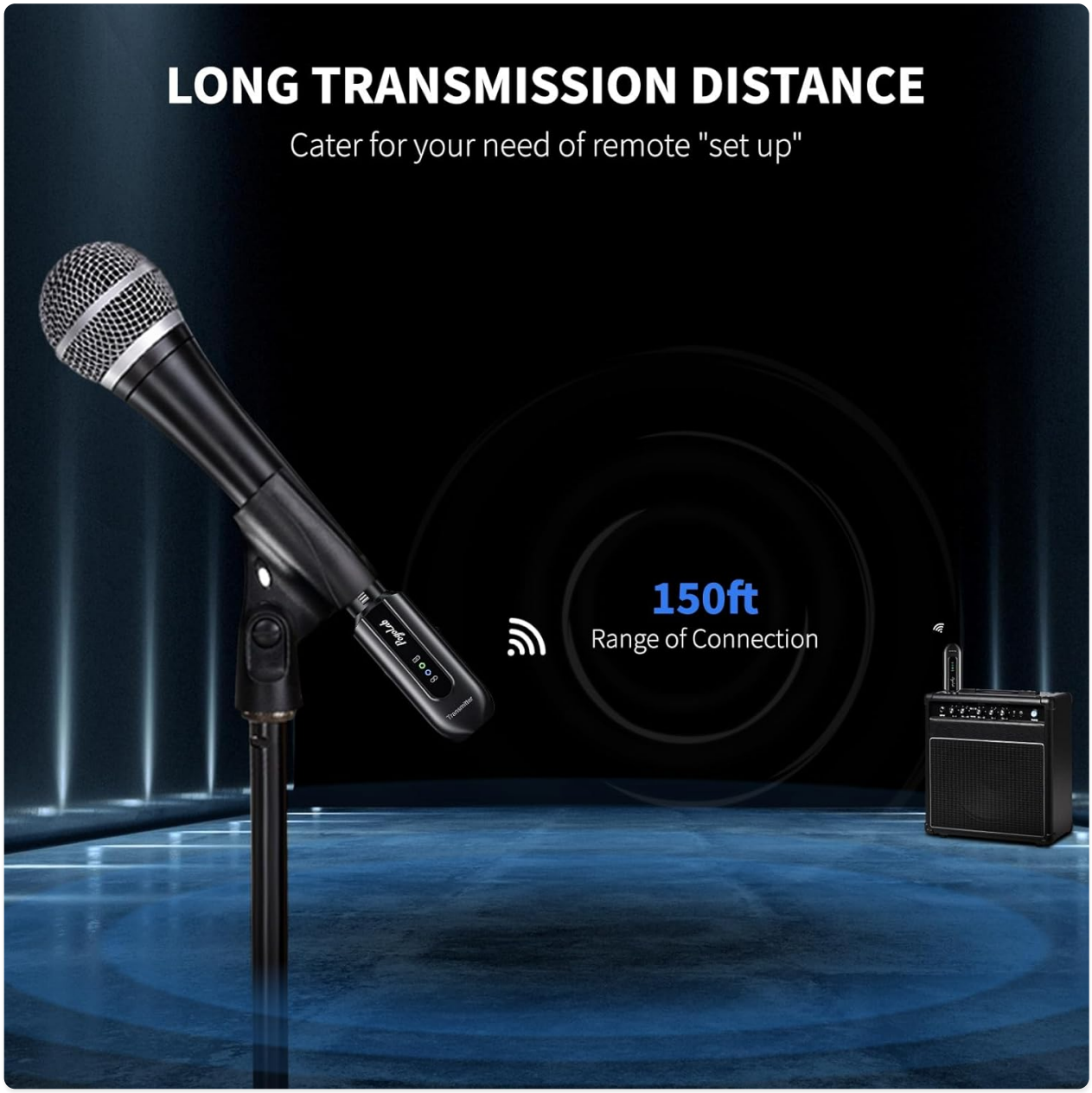

Image: The POGOLAB Wireless XLR system in action, illustrating the long transmission distance of 150 feet (45 meters) between the microphone-connected transmitter and the amplifier-connected receiver.

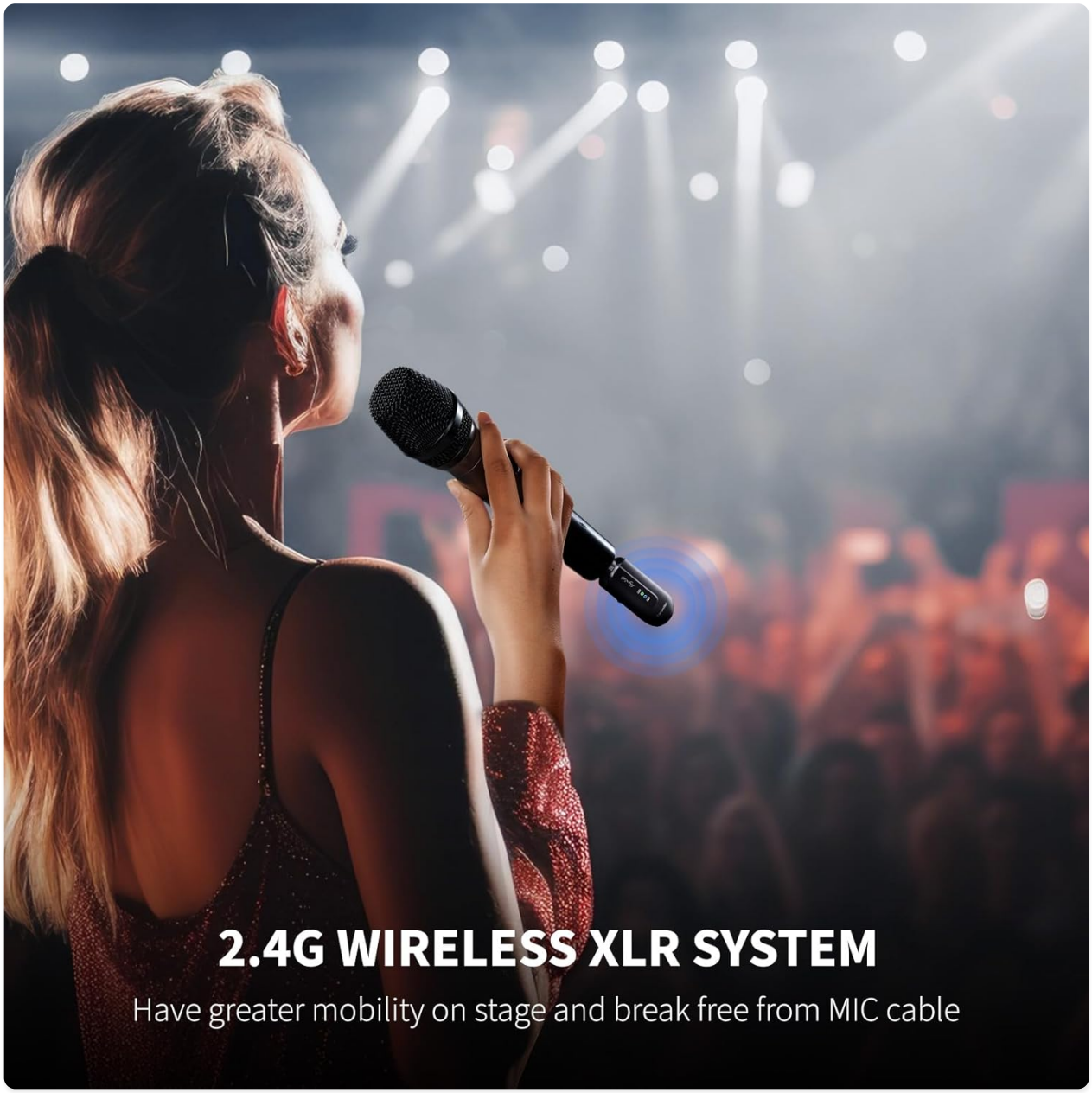

Image: A performer using the POGOLAB 2.4G Wireless XLR System on stage, demonstrating the freedom of movement provided by the wireless setup.

Maintenance

- **Cleaning:** Wipe the units with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the units in a cool, dry place away from direct sunlight.
- **Battery Care:** To prolong battery life, avoid fully discharging the units frequently. Charge them regularly, even if not in constant use.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound output.	Units not powered on or not paired. Low battery. Incorrect 48V phantom power setting. Microphone or audio device issue.	Ensure both transmitter and receiver are powered on and paired (solid blue indicator). Charge both units fully. Verify 48V switch setting matches microphone type. Test microphone and audio device with a wired connection.
Intermittent audio or signal dropouts.	Units are out of range. Interference from other 2.4 GHz devices. Obstructions between units.	Reduce distance between transmitter and receiver. Move away from Wi-Fi routers, cordless phones, or other 2.4 GHz devices. Ensure a clear line of sight between units.
Units not pairing.	Incorrect pairing procedure. Low battery.	Ensure both units are fully charged. Power off both units, then power them on simultaneously by holding the pairing button until they flash and then turn solid.
Short battery life.	Units not fully charged. Aging battery.	Ensure units are charged for 1-2 hours until full. Battery performance may degrade over time.

Technical Specifications

Model Number	M02973
Frequency Response Range	2400-2483.5 MHz (2.4 GHz ISM Band)
Operating Distance	Up to 45 meters (150 feet)
Battery Life	Up to 12 hours (continuous operation)
Charging Time	1-2 hours
Battery Capacity	1000 mAh (Lithium-polymer)
Sampling Rate	24-bit/48 kbps Audio
Dynamic Range	110 dB
Signal-to-Noise Ratio (SNR)	110 dB
Impedance	600 ohms

Connectors	XLR Male (Transmitter), XLR Female (Receiver)
Material	Plastic
Dimensions (approx.)	Transmitter: 11.5 cm, Receiver: 11 cm
Weight (approx.)	200 g

Warranty and Support

POGOLAB products are designed for reliability and performance. For warranty information and technical support, please refer to the contact details provided on the product packaging or visit the official POGOLAB website. Please retain your proof of purchase for warranty claims.
For further assistance, please contact our customer support team.

Related Documents

	PogoLab M6 Wireless System: User Manual and Operation Guide Comprehensive guide to the PogoLab M6 Wireless System, covering system specifications, basic operation, pairing, channel selection, charging, and regulatory compliance.