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Aveek PRO-06

Aveek PRO-06 Wireless Microphone System Instruction Manual

Model: PRO-06

1. Introduction

Thank you for choosing the Aveek PRO-06 Wireless Microphone System. This system is designed to provide clear, reliable audio for various applications, including karaoke, singing, speeches, church services, stage performances, weddings, and DJ events. Please read this manual thoroughly before operating the system to ensure proper setup and optimal performance.

2. Package Contents

Verify that all items listed below are included in your package:

- 1x Wireless Receiver Unit
- 4x Dynamic Handheld Microphones (each with built-in rechargeable battery)
- 1x Power Adapter
- 2x Type-C Charging Cables
- 4x Non-Slip Grip Rings
- 1x Comprehensive User Manual



Figure 1: Aveek PRO-06 Wireless Microphone System components including receiver, four microphones, power adapter, charging cables,

audio cable, and anti-slip rings.

3. Setup Guide

3.1 Receiver Setup

1. **Position the Receiver:** Place the wireless receiver unit on a stable, flat surface. Ensure the antennas are upright for optimal signal reception.
2. **Connect Power:** Plug the included power adapter into the receiver's DC IN port and then into a wall outlet.
3. **Connect to Audio System:**
    - **For Powered Speakers:** Use the included 1/4 inch audio cable to connect the receiver's MIX OUT port to the input of your powered speaker.
    - **For Mixers:** Use XLR cables (not included) to connect the receiver's XLR balanced outputs (A and B) to the corresponding input channels on your audio mixer.



Figure 2: Front and rear view of the Aveek PRO-06 wireless receiver unit, showing volume controls, RF indicators, antennas, 1/4 inch mixed output, power jack, and XLR balanced outputs.

3.2 Microphone Setup

1. **Insert Batteries:** Unscrew the bottom part of each microphone and insert the provided rechargeable batteries, ensuring correct polarity. Re-attach the bottom part securely.
2. **Charge Microphones:** Connect the microphones to the Type-C charging cables and plug them into a USB power source (power adapter included). A full charge takes approximately 3 hours and provides up to 40 hours of working time.
3. **Attach Non-Slip Rings:** Slide the non-slip grip rings onto the microphones to prevent them from rolling on flat surfaces.



Figure 3: Aveek wireless microphones showing the rechargeable battery compartment and Type-C charging port, with charging cables.

3.3 Initial Pairing and Connection

1. **Power On Receiver:** Turn on the power switch on the wireless receiver. The RF indicators (RF A, RF B, RF C, RF D) will flash, indicating they are not yet paired with a microphone.
2. **Power On Microphones:** Press and hold the power button on each microphone for 2 seconds to turn it on. The microphone's screen will flash while it connects to the receiver.
3. **Automatic Pairing:** The microphones will automatically pair with the receiver. Once paired, the corresponding RF indicator on the receiver will stop flashing and remain steadily lit, and the microphone screen will display its channel. The system is now ready for use.

3.4 Connection Demonstrations

This video provides a step-by-step guide on how to connect the Aveek PRO-06 wireless receiver to powered speakers using the included 1/4 inch audio cable.

A tutorial video demonstrating the process of connecting the Aveek PRO-06 wireless receiver to an audio mixer using XLR cables (not included in the standard package).

4. Operating Instructions

4.1 Power On/Off

- **Receiver:** Press the 'POWER' button on the receiver to turn it on or off.
- **Microphones:** Press and hold the power button on each microphone for 2 seconds to turn it on or off.

4.2 Volume Adjustment

The receiver features individual volume control knobs for each microphone channel (VOL.A, VOL.B, VOL.C, VOL.D). Adjust these knobs to achieve the desired audio level for each microphone.

4.3 Optimal Performance

- **Wireless Range:** The system offers a reliable wireless range of up to 262 feet (80 meters). For best performance, maintain a clear line of sight between the microphones and the receiver.
- **Sound Quality:** The dynamic microphones feature a cardioid pickup pattern, 24-bit/48kHz sampling rate, and special EQ tuning for clear and natural vocal reproduction.
- **Battery Life:** Each microphone provides up to 40 hours of continuous use on a full charge. Monitor the battery indicator on the microphone screen.

Figure 4: Diagram illustrating the 262ft (80m) wireless transmission range of the Aveek microphone system, showing anti-interference and no audio delay.



Figure 5: Graphic illustrating the sound quality features of the Aveek dynamic microphone, including -52dB sensitivity, EQ tuning, 24-bit/48kHz sampling rate, and cardioid pickup pattern.

5. Maintenance

5.1 Charging

Recharge the microphone batteries using the provided Type-C charging cables. It is recommended to fully charge the batteries before each extended use. The charging indicator on the microphone will show charging status.

5.2 Cleaning

Wipe the microphones and receiver with a soft, dry cloth. Do not use liquid cleaners or solvents, as these may damage the components.

5.3 Storage

When not in use, store the system in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from microphones if storing for extended periods.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound from microphone	Microphone or receiver not powered on; low battery; microphone not paired; incorrect audio connection.	Ensure both microphone and receiver are powered on. Check microphone battery level. Re-pair microphone if RF indicator is flashing. Verify audio cables are correctly connected to the audio system. Adjust volume knobs on receiver and audio system.
Interference or static noise	Too far from receiver; obstacles blocking signal; other wireless devices nearby.	Reduce distance between microphone and receiver. Ensure clear line of sight. Move away from other electronic devices that may cause interference.
Microphone not pairing	Microphone not in pairing mode; receiver not ready.	Ensure receiver is powered on and RF indicators are flashing. Press and hold the microphone power button for 2 seconds until its screen flashes, indicating it's searching for the receiver.
Short battery life	Batteries not fully charged; old batteries.	Ensure batteries are fully charged (approx. 3 hours). Consider replacing batteries if they no longer hold a charge effectively.

7. Specifications

- **Model Number:** PRO-06
- **Connectivity Technology:** 6.35 mm Jack, UHF, XLR
- **Connector Type:** 6.35 mm Jack, XLR
- **Recommended Uses:** Church, Cordless microphone for speaking, wireless mic for teaching, wireless microphone for karaoke, wireless professional microphone for DJ, DJ gigs, Karaoke, Outdoor Event, Singing, Speech, Stage, Streaming, Video Conference, Wedding
- **Compatible Devices:** Active Speakers, Amplifier, Audio Mixer, Karaoke Machine, PA System
- **Color:** Black
- **Polar Pattern:** Unidirectional (Cardioid)
- **Item Weight:** 1.5 Kilograms (Total system)
- **Impedance:** 600 Ohms
- **Microphone Form Factor:** Handheld
- **Power Source:** Battery Powered (Rechargeable)
- **Number of Batteries:** 4 AA batteries required (included, rechargeable)
- **Signal-to-Noise Ratio:** 85 dB
- **Number of Channels:** 4
- **Frequency Response:** 15 KHz
- **Enclosure Material:** Acrylonitrile Butadiene Styrene
- **Wireless Range:** Up to 262 feet (80 meters)
- **Battery Life (Microphone):** Up to 40 hours
- **Charging Time (Microphone):** Approximately 3 hours

8. Warranty and Support

8.1 Warranty Information

The Aveek PRO-06 Wireless Microphone System comes with a **1-year warranty** from the date of purchase. This warranty covers

manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Aveek customer support through the retailer's platform or visit the official Aveek store online. Provide your model number (PRO-06) and a detailed description of the issue for prompt service.
Visit the Aveek Store for more information and support.

9. Product Overview Video

An overview video demonstrating the Aveek PRO-06 Wireless Microphone System, showcasing its components, features, and potential uses in various settings.

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