

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [PRORECK](#) /

› [PRORECK UK-2000 UHF 2 Channel Wireless Microphone System User Manual](#)

PRORECK UK-2000

PRORECK UK-2000 UHF 2 Channel Wireless Microphone System User Manual

Model: UK-2000

INTRODUCTION

Thank you for choosing the PRORECK UK-2000 UHF 2 Channel Wireless Microphone System. This system is designed to provide clear, distortion-free audio for various applications, including parties, weddings, church events, conferences, and speeches. It features a stable UHF signal transmission and offers 560 selectable frequencies for optimal performance. This manual provides detailed instructions for setting up, operating, and maintaining your wireless microphone system.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Receiver Unit
- 2 x Handheld Microphones
- 1 x 6.35mm TS Cable
- 1 x Power Charger
- 1 x User Manual (this document)

PRODUCT OVERVIEW

Receiver Unit (Rear Panel)



Image: Rear panel of the PRORECK UK-2000 receiver. This view highlights the Antenna Ports, Balanced XLR Outputs (1 and 2), DC Input for power, Mixed Output (6.35mm), and USB-Type-C 5V Power Input.

- **Antenna Port:** Connect the included antennas for signal reception.
- **XLR Output (BALANCED 1/2):** Balanced audio outputs for connecting to a mixer or amplifier.
- **DC Input:** Connect the provided power charger.
- **Mixed Output (MIX OUT):** Unbalanced 6.35mm (1/4") audio output for connecting to various audio devices.
- **USB-Type-C 5V Power Input:** Alternative power input, useful with a portable power bank.

Receiver Unit (Front Panel)



**Operating Range
Up To 328 Feet**

Image: Front panel of the PRORECK UK-2000 receiver. This view shows the Frequency Buttons, Set Button, LCD Display, IR Port, Volume Knobs, Power Switch, Anti-Feedback Level Indicator, and Anti-Feedback Button.

- **Frequency Buttons:** Used to adjust the operating frequency.
- **Set Button:** Confirms frequency selection and other settings.
- **LCD Display:** Shows channel, frequency, signal strength, and battery status.
- **IR Port:** Infrared sensor for syncing frequencies with microphones.
- **Volume Knob:** Adjusts the output volume for each microphone channel.
- **Power Switch:** Turns the receiver unit on or off.
- **Anti-Feedback Level Indicator:** Displays the level of anti-feedback processing.
- **Anti-Feedback Button:** Activates or deactivates the anti-feedback function.

Handheld Microphone

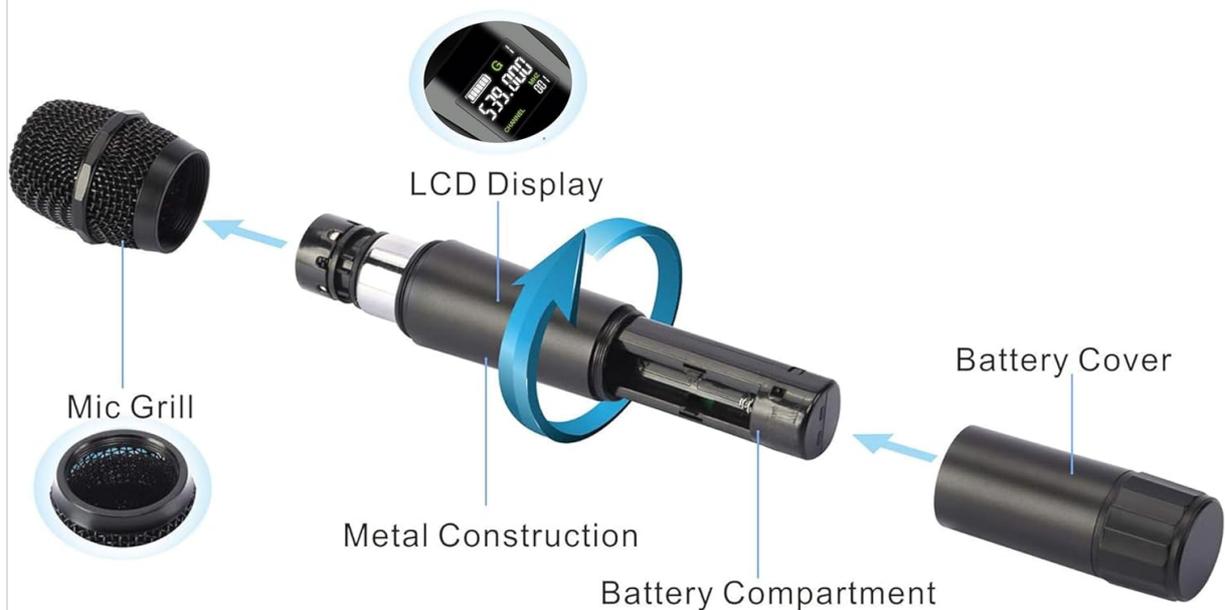


Image: Exploded view of the handheld microphone. This shows the Mic Grill, LCD Display, Metal Construction, Battery Compartment, and Battery Cover.

- **Mic Grill:** Protects the microphone capsule.
- **LCD Display:** Shows frequency and battery status.
- **Metal Construction:** Durable housing for the microphone.
- **Battery Compartment:** Holds two AA batteries.
- **Battery Cover:** Secures the batteries in place.
- **IR Sync Sensor:** Located on the microphone body, used for automatic frequency synchronization with the receiver.

SETUP INSTRUCTIONS

1. Install Batteries in Microphones

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

Note: Each microphone requires 2xAA batteries (not included).

2. Connect the Receiver

1. Attach the antennas to the Antenna Ports on the rear panel of the receiver. Position them vertically for optimal signal reception.
2. Connect the power charger to the DC Input on the receiver and plug it into a power outlet. Alternatively, you can use a portable power bank with the USB-Type-C 5V Power Input.
3. Connect the receiver to your audio system (mixer, amplifier, powered speaker) using either the Balanced XLR Outputs or the Mixed Output (6.35mm TS cable).

3. Power On and Sync

1. Turn on the receiver unit using the Power Switch on the front panel. The LCD display will illuminate.
2. Turn on each handheld microphone.
3. To synchronize the microphone with the receiver, press the **SET** button on the receiver. The display will show "IR---".
4. Align the IR Sync Sensor on the microphone with the IR Port on the receiver (within a few inches). The frequency will automatically sync. Repeat for the second microphone.



Image: Connectivity diagram illustrating how the PRORECK UK-2000 system can connect to a mixer, TV, amplifier, PA system, computer, powered speaker, or pad/phone.

OPERATING INSTRUCTIONS

Frequency Selection

The PRORECK UK-2000 system offers 560 selectable UHF frequencies (280 per channel) to avoid interference.

1. If you experience interference, press the **Frequency Button** on the receiver to cycle through available frequencies.
2. Once a clear frequency is selected on the receiver, perform the IR sync process again with the corresponding microphone to match its frequency.



Image: Microphone display showing frequency selection. The system offers 560 selectable frequencies, with each channel having 280 options, ranging from 539.000 MHz to 599.000 MHz.

Volume Control

Adjust the output volume of each microphone independently using the dedicated **Volume Knobs** on the receiver's front panel. Start with a low volume and gradually increase it to prevent feedback.

Operating Range

The system has an operating range of up to 328 feet (100 meters) within the line of sight. Obstacles, walls, and other wireless devices may reduce this range.



Image: Operating range diagram. A microphone wirelessly transmits to the receiver, indicating an effective operating range of up to 328 feet.

Anti-Feedback Function

The receiver includes an anti-feedback function to minimize unwanted audio feedback. Press the **Anti-Feedback Button** to activate or deactivate this feature. The Anti-Feedback Level Indicator will show its status.

MAINTENANCE

- Keep the receiver and microphones clean by wiping them with a soft, dry cloth.
- Avoid exposing the system to extreme temperatures, humidity, or direct sunlight.
- Remove batteries from the microphones if they will not be used for an extended period to prevent leakage.
- Store the system in a dry, dust-free environment.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"> Receiver or microphone not powered on. Microphone batteries are low or incorrectly installed. Receiver not connected to audio system. Volume levels are too low. Microphone and receiver not synced. 	<ul style="list-style-type: none"> Ensure all units are powered on. Check and replace microphone batteries; verify polarity. Confirm audio cables are securely connected. Increase volume on receiver and connected audio system. Perform IR sync process.
Interference or static	<ul style="list-style-type: none"> Operating frequency interference. Antennas not properly positioned. Operating beyond range. 	<ul style="list-style-type: none"> Change the operating frequency on the receiver and re-sync the microphone. Adjust antenna position for better reception. Reduce distance between microphone and receiver.
Weak or distorted sound	<ul style="list-style-type: none"> Low microphone battery. Incorrect gain settings on connected audio system. Microphone too far from mouth. 	<ul style="list-style-type: none"> Replace microphone batteries. Adjust input gain on your mixer/amplifier. Hold microphone closer to the sound source.
Feedback (howling sound)	<ul style="list-style-type: none"> Microphone too close to speakers. Volume too high. Anti-feedback function off. 	<ul style="list-style-type: none"> Move microphone away from speakers. Lower receiver volume or system volume. Activate the anti-feedback function on the receiver.

SPECIFICATIONS

Model Name	UK-2000
Brand	PRORECK
Number of Channels	2
Frequency Range	538.3MHz to 599MHz (560 selectable frequencies)
Operating Range	Up to 328 feet (line of sight)
Connectivity Technology	UHF Wireless, XLR
Connector Type	XLR, 6.35mm (1/4")
Microphone Power Source	2 x AA batteries (per microphone)
Material	Metal (microphones)
Polar Pattern	Unidirectional
Item Weight	3.79 pounds (system)

Package Dimensions	11 x 8 x 4 inches
---------------------------	-------------------

WARRANTY AND SUPPORT

PRORECK products are designed for reliability and performance. For any questions, technical support, or warranty inquiries, please refer to the contact information provided with your purchase or visit the official PRORECK website. Please retain your proof of purchase for warranty service.

© 2024 PRORECK. All rights reserved.