

HQ-Power MICW81

HQ-Power UHF Wireless Microphone System Instruction Manual

Model: MICW81 | Brand: HQ-Power

1. INTRODUCTION

Thank you for purchasing the HQ-Power UHF Wireless Microphone System, model MICW81. This system provides high-quality, reliable wireless audio transmission for various applications, including presentations, performances, and karaoke. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your new microphone system to ensure optimal performance and longevity.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before use and retain this manual for future reference.
- Do not expose the unit to rain or moisture to prevent fire or electric shock.
- Ensure the power adapter voltage matches your local power supply.
- Avoid placing the unit near heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- Do not block any ventilation openings.
- Use only attachments/accessories specified by the manufacturer.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Unplug this apparatus during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Do not attempt to modify this product. Doing so may result in injury and will void the warranty.

3. PACKAGE CONTENTS

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

- 1 x UHF Wireless Receiver
- 2 x Handheld Wireless Microphones
- 1 x Power Adapter for Receiver
- 1 x Audio Cable (XLR to 1/4-inch jack, typically)
- 1 x Instruction Manual

4. PRODUCT OVERVIEW

The HQ-Power MICW81 system consists of a two-channel receiver and two handheld microphones. The receiver features an LCD screen for frequency display and individual volume controls for each microphone.



Figure 1: HQ-Power UHF Wireless Microphone System (Receiver and two handheld microphones)

4.1 Receiver Components

- **Power Switch:** Turns the receiver on/off.
- **Antennas:** Two detachable antennas for signal reception.
- **LCD Display:** Shows channel frequencies (863.50 MHz and 865.00 MHz) and signal status.
- **Volume Controls (Volume A, Volume B):** Adjusts the output level for each microphone independently.
- **Audio Output (XLR/1/4-inch jack):** Connects to a mixer or amplifier.
- **DC Input:** For connecting the power adapter.



Figure 2: Receiver front panel showing LCD display and volume controls

4.2 Microphone Components

- **Microphone Head:** Contains the dynamic capsule.
- **Power Switch:** Turns the microphone on/off.
- **Battery Compartment:** Located at the bottom of the microphone handle.

5. SETUP

Follow these steps to set up your HQ-Power UHF Wireless Microphone System:

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Connect Antennas:** Screw the two antennas onto the corresponding connectors on the rear of the receiver. Position them vertically for optimal reception.
3. **Connect Power:** Connect the power adapter to the DC input on the receiver and then plug it into a suitable power outlet.
4. **Connect Audio Output:** Use the provided audio cable to connect the receiver's audio output (XLR or 1/4-inch jack)

to an input on your mixer, amplifier, or powered speaker.

5. **Install Microphone Batteries:** Unscrew the bottom part of each microphone to access the battery compartment. Insert the required batteries (typically AA, not included) ensuring correct polarity. Screw the bottom back on securely.
6. **Power On Receiver:** Flip the power switch on the receiver to the 'ON' position. The LCD display should illuminate, showing the operating frequencies.
7. **Power On Microphones:** Turn on each microphone using its power switch. The receiver should automatically synchronize with the microphones. The 'RF' indicator on the receiver for each channel should light up, indicating a stable connection.
8. **Initial Volume Adjustment:** Set the volume controls (Volume A and Volume B) on the receiver to a low level initially.

6. OPERATING INSTRUCTIONS

Once the system is set up, follow these guidelines for operation:

1. **Testing Audio:** Speak or sing into each microphone. Gradually increase the corresponding volume control on the receiver and your connected audio device (mixer/amplifier) until the desired sound level is achieved.
2. **Frequency Information:** The system operates on fixed UHF frequencies: Microphone A at 863.50 MHz and Microphone B at 865.00 MHz. These are displayed on the receiver's LCD.
3. **Optimal Range:** The wireless range can extend up to 100 meters (approximately 328 feet) in open, unobstructed environments. Performance may vary depending on obstacles, interference, and battery levels.
4. **Avoiding Interference:** Keep the receiver away from other wireless devices, Wi-Fi routers, and large metal objects that could cause interference. Maintain a clear line of sight between the microphones and the receiver whenever possible.
5. **Feedback Prevention:** To prevent audio feedback, avoid pointing the microphone directly at speakers and maintain a reasonable distance from them. Adjust microphone and speaker volumes carefully.
6. **Powering Off:** When finished, first turn off the microphones, then turn off the receiver. This helps prevent sudden loud noises through your sound system.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your microphone system:

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Do not use abrasive cleaners, solvents, or harsh chemicals.
- **Battery Replacement:** Replace microphone batteries when the low battery indicator appears (if applicable) or when audio quality degrades. Always use fresh batteries of the correct type. Remove batteries if the microphones will not be used for an extended period to prevent leakage.
- **Storage:** Store the system in a cool, dry place, away from direct sunlight and extreme temperatures. If transporting, ensure components are securely packed to prevent damage. The detachable antennas make transport less cumbersome.
- **Moisture Protection:** Protect the system from moisture and humidity. While the components are durable metal, they are not waterproof.

8. TROUBLESHOOTING

If you encounter issues with your HQ-Power UHF Wireless Microphone System, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No sound from microphone	Microphone or receiver not powered on; low/dead batteries; incorrect cable connection; receiver volume too low.	Ensure all devices are powered on. Replace microphone batteries. Check audio cable connections. Increase receiver and mixer/amplifier volume.
Intermittent sound or static	Interference from other devices; receiver too far from microphones; antennas not properly positioned; low microphone batteries.	Move receiver away from other electronics. Ensure clear line of sight. Adjust antenna position. Replace microphone batteries.
Short wireless range	Obstructions (walls, metal objects); environmental interference; antennas not optimized.	Minimize obstructions between microphones and receiver. Reposition antennas. Test in a different location.
Feedback (howling sound)	Microphone too close to speakers; microphone pointed at speakers; volume too high.	Increase distance between microphone and speakers. Avoid pointing microphone at speakers. Reduce microphone or master volume.

9. SPECIFICATIONS

Model Number	MICW81
Brand	HQ-Power
Connectivity Technology	UHF
Number of Channels	2
Operating Frequencies	863.50 MHz, 865.00 MHz
Microphone Form Factor	Handheld
Connector Type	XLR
Material	Metal
Signal-to-Noise Ratio	80 dB
Frequency Response	15 KHz (Note: This typically refers to the upper limit of the frequency range)
Item Weight	1.8 Kilograms
Item Dimensions (L x W x H)	11.4 x 32 x 23 centimeters
Power Source	Battery powered (for microphones)
Manufacturer	Velleman Group nv

Country of Origin	China
Recommended Uses	Karaoke

10. WARRANTY AND SUPPORT

This product is manufactured by Velleman Group nv. For specific warranty information, please refer to the warranty card included with your purchase or contact your retailer. Information regarding spare parts availability and software updates is not available at this time.

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