

CAD Audio WX1000HH

CAD Audio WX1000HH UHF Wireless Handheld Microphone System

USER MANUAL

Model: WX1000HH | Brand: CAD Audio

Introduction

The CAD Audio WX1000HH is a frequency agile UHF wireless handheld microphone system designed for clear and reliable audio transmission. Operating in the 510-570mHz frequency band, it offers 100 selectable channels to ensure optimal signal clarity and minimize interference. This system features convenient auto-scan and IR sync functions for quick setup and channel changes. Built with durable all-metal construction, the WX1000HH is suitable for various demanding environments. This manual provides essential information for setting up, operating, and maintaining your wireless microphone system.

Package Contents

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

- WX1000HH Handheld Microphone Transmitter
- WX1000 UHF Wireless Receiver
- Power Adapter for Receiver
- Microphone Clip
- Rack Mount Hardware
- Antenna Relocation Kit
- Audio Cable (likely 1/4" TS to 1/4" TS or XLR to 1/4" TS)
- User Manual (this document)



Image 1: All components of the CAD Audio WX1000HH system, including the handheld microphone, receiver, power adapter, microphone clip, rack mount hardware, antenna relocation kit, and an audio cable.

Setup

1. Receiver Setup

1. **Placement:** Position the WX1000 receiver on a stable, flat surface or install it into a standard equipment rack using the included rack mount hardware. Ensure adequate ventilation around the unit.
2. **Antenna Connection:** Connect the included antennas to the ANT connectors on the rear panel of the receiver. If rack-mounting, use the antenna relocation kit to position the antennas for optimal reception.
3. **Power Connection:** Connect the supplied power adapter to the DC INPUT on the rear of the receiver and then plug it into a suitable AC power outlet.
4. **Audio Output:** Connect the receiver's audio output (Balanced XLR or Unbalanced 1/4" TS) to your mixer, amplifier, or PA system using an appropriate audio cable.



Image 2: The WX1000 UHF Wireless Receiver shown with rack mount ears attached, ready for installation into an equipment rack.



Image 3: Rear panel of the WX1000 receiver, showing the ANT connectors, Balanced XLR output, Unbalanced 1/4" TS output, and DC INPUT for power.

2. Handheld Microphone Setup

1. **Battery Installation:** Unscrew the bottom cap of the handheld microphone. Insert two fresh AA batteries, observing the correct polarity (+/-) as indicated inside the battery compartment.
2. **Secure Cap:** Screw the bottom cap back onto the microphone securely.



Image 4: The CAD Audio WX1000HH handheld microphone with its bottom cap removed, revealing the battery compartment for two AA batteries.

Operating Instructions

1. Powering On/Off

- **Receiver:** Press the Power button on the front panel of the receiver. The display will illuminate.
- **Handheld Microphone:** Press and hold the power button on the microphone body until the display illuminates.

2. Channel Selection and Synchronization (IR Sync)

The WX1000HH system features 100 switchable UHF frequencies and an auto-scan function to find clear channels. Up to 20 systems can be used simultaneously.

1. **Auto-Scan:** On the receiver, press the "SET" button to initiate an auto-scan. The receiver will search for and select an available, interference-free frequency.
2. **IR Sync:** Once the receiver has selected a frequency, align the IR window on the handheld microphone with the IR sensor on the receiver (usually near the display). Press the "IR Sync" or "SET" button on the receiver (refer to receiver display for specific prompt). The frequency information will be transmitted to the microphone, synchronizing the two units.
3. **Verification:** Confirm that the frequency displayed on the microphone matches the frequency on the receiver.



Image 5: Close-up of the CAD Audio WX1000HH handheld microphone's display, showing frequency and battery level indicators.

3. Battery Level Indicators

Both the handheld microphone transmitter and the receiver feature battery level indicators. Monitor these indicators to ensure uninterrupted operation. The handheld microphone provides over 12 hours of operation with two AA batteries.

4. Operating Range

The system offers an operating range of up to 295 feet (90 meters) between the transmitter and receiver under optimal conditions. Environmental factors, obstacles, and other wireless devices can affect this range.

5. Recommended Uses

This system is suitable for various applications including singing, speech, and karaoke.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the receiver and microphone. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace AA batteries in the handheld microphone when the low battery indicator

appears. Always use fresh, high-quality batteries. Remove batteries if the microphone will not be used for an extended period.

- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
No sound from microphone	<ul style="list-style-type: none">◦ Microphone or receiver not powered on.◦ Low or dead batteries in microphone.◦ Incorrect frequency synchronization.◦ Receiver output not connected or volume too low on mixer/PA.	<ul style="list-style-type: none">◦ Ensure both units are powered on.◦ Replace batteries in microphone.◦ Perform IR Sync again to match frequencies.◦ Check audio cable connections and mixer/PA volume levels.
Interference or static	<ul style="list-style-type: none">◦ Nearby electronic devices.◦ Other wireless systems on the same frequency.◦ Operating beyond effective range.	<ul style="list-style-type: none">◦ Perform auto-scan on receiver to find a clear channel and re-sync.◦ Move receiver closer to the microphone.◦ Ensure antennas are properly positioned.
Short operating range	<ul style="list-style-type: none">◦ Obstructions between transmitter and receiver.◦ Antennas not properly positioned.◦ Low microphone battery.	<ul style="list-style-type: none">◦ Ensure clear line of sight between units.◦ Adjust antenna positions for optimal reception.◦ Replace microphone batteries.

Specifications

Model	WX1000HH
Microphone Form Factor	Handheld
Frequency Band	UHF (510-570 MHz)
Number of Channels	100 (Frequency Agile)
Operating Range	Up to 295 feet (90 meters)
Microphone Power Source	2 x AA Batteries
Microphone Battery Life	>12 Hours
Material	Metal (Receiver), Metal (Microphone)
Signal-to-Noise Ratio	75 dB
Connectivity Technology	XLR (Balanced), 1/4" TS (Unbalanced)
Product Dimensions (Receiver)	12.1 x 2.8 x 16 inches (L x W x H)

Item Weight	4 pounds (System)
UPC	631922109757



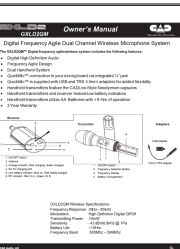


Warranty and Support

For warranty information and technical support, please refer to the official CAD Audio website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

CAD Audio Official Website: www.cadaudio.com

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Related Documents - WX1000HH

	<p>CAD Audio WX1000HH 100 Channel UHF Wireless Handheld Microphone System User Guide</p> <p>Comprehensive user guide for the CAD Audio WX1000HH 100 Channel UHF Wireless Handheld Microphone System, detailing features, operation, specifications, and regulatory compliance for optimal live performance.</p>
	<p>CAD Audio WX1000HH 100 Channel UHF Wireless Handheld Microphone System User Guide</p> <p>User guide for the CAD Audio WX1000HH, a 100-channel UHF wireless handheld microphone system. Features frequency agility, auto-scan, IR sync, and durable all-metal construction for live performers.</p>
	<p>CAD Audio GXLD2QM Digital Frequency Agile Dual Channel Wireless Microphone System Owner's Manual</p> <p>Comprehensive owner's manual for the CAD Audio GXLD2QM Digital Frequency Agile Dual Channel Wireless Microphone System, detailing features, setup, operation, specifications, and warranty information.</p>
	<p>CAD Audio StagePass WX1600 Wireless Microphone System Manual</p> <p>Explore the features and setup of the CAD Audio StagePass WX1600 Wireless Microphone System. This guide covers UHF agility, diversity operation, Scan-Link™ technology, and transmitter specifications for reliable audio performance.</p>
	<p>CAD u1 USB Microphone User Manual</p> <p>User manual for the CAD Audio u1 USB microphone, detailing its features, specifications, assembly, installation, and operation for various audio applications like vocals, speech, and instruments. Includes compatibility information and accessories.</p>



[CAD Audio Acousti-shield 32: Stand Mounted Acoustic Enclosure for Professional Recording](#)

Detailed information on the CAD Audio Acousti-shield 32, a stand-mounted acoustic enclosure designed to reduce reflections and improve recording environments for studio and field use. Includes features, specifications, installation guide, and warranty details.