WX1000HH

100 Channel UHF Wireless
Handheld Microphone System

User Guide

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Introduction

Enjoy the easy and exciting performance that the WX1000HH provides for your next performance. CAD Audio has been creating valued product since 1931 and prides itself on developing and supporting the live performer. Our concept was straightforward – develop a high value wireless microphone system that can cope with today's challenging RF environment that is both easy to operate and exciting to use.

The WX1000HH is a Frequency Agile UHF Wireless Handheld System which operates in the 510-570MHz frequency band and features 100 channels for optimum clarity of signal. Auto-scan and IR sync functions make set up and channel-changing a breeze. Enjoy up to 12 hours of run time using two AA batteries, with a battery level indicator on both the transmitter and receiver, so you'll know when you need to replace them. All metal construction and included rack mounting hardware help ensure your equipment will stand up to even the toughest conditions.

The WX1000HH includes the following features:

- Frequency Agile Design (100 switchable frequencies)
- Use up to 20 systems at the same time
- Up to 295' (90m) range between transmitter and receiver
- Rugged, all metal construction
- Auto scan finds the optimal frequency setting
- IR sync wirelessly matches transmitter and receiver frequencies
- Transmitter features battery life indicator
- Transmitter utilizes 2 AA Batteries with >12 Hrs of operation
- Rack mounting hardware and antenna relocation kit included
- 2 Year Warranty

Individuals with cardiac pacemakers and other similar medical devices should consult with their physician before using any RF devices. Though the output level of this wireless system is below 50 milliwatts, the proximity of the transmitter to the implant device could pose a threat.

As with any wireless product, environmental conditions can reduce or in some cases prohibit a successful connection between the transmitter and the receiver.

This device complies with Part 15 of the FCC Rules. Most users of CAD Audio wireless products in the United States do not need a license for operation. However, the rules for unlicensed operation state that this device must not operate in excess of 50 milliwatts and it must not cause harmful interference to other wireless devices, and must accept interference received from other devices. Wireless products meeting CAD factory standards adhere to these rules. The FCC reserves the right to change these rules at any time. For more information contact the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at:

www.fcc.gov/cgb/wirelessmicrophones

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autoris é e aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Handheld TX1000 Transmitter

1. Battery life indicator
2. LCD display
3. Power Switch
4. Battery compartment

Specifications TX1000

Operating Principle ..... Dynamic
Polar Pattern ..... Cardioid
Frequency Response..... 30Hz - 18KHz
Max SPL 129dB
Dynamic Range..... 60Hz - 17KHz
RF Output..... 10mW
Power Requirements..... 2x AA batteries 1.5V
Battery Life ..... >12 hours

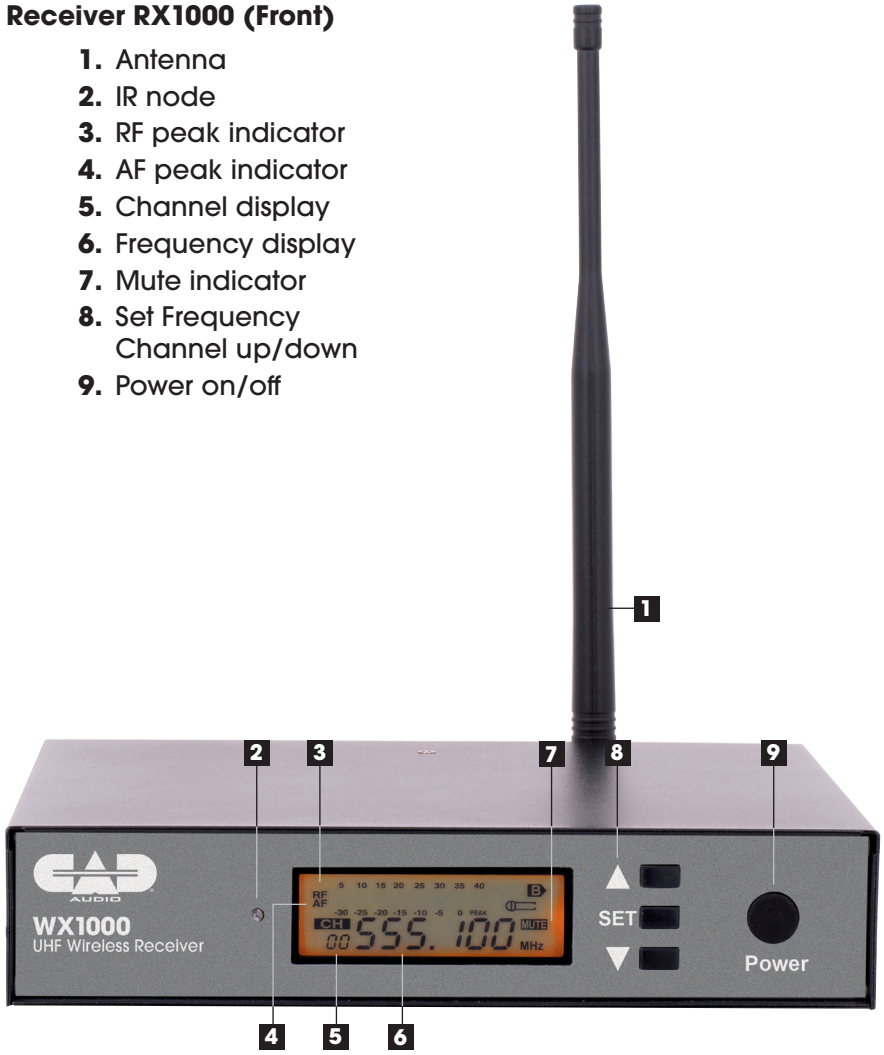
Operating Instructions

- Power on/off
- Volume Up: short press (▲)
- Volume Down: short press (▼)
- Synchronizing: short press the middle “SET” button, the system will enter into its pairing mode

  Bring the transmitter 2" (5cm) close to the “IR indicator” on the left of the front panel, and the receiver and transmitter will be synchronized
- Frequency Setting Manually: Long press (▲) to enter the manual setting mode. Press (▲) and (▼) to select channel 0-99
- Frequency Automatic Scanning Feature: Long press (▼) to enter auto-scanning mode, and the system will scan for the best possible frequency to eliminate radio interference
- Lock/unlock Setting: press (▲)(▼) at the same time, the “LOCK SIGN” on the LCD screen will display or conceal

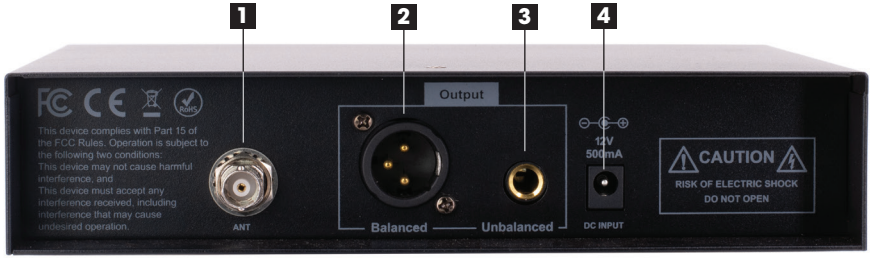
Receiver RX1000 (Front)

1. Antenna
2. IR node
3. RF peak indicator
4. AF peak indicator
5. Channel display
6. Frequency display
7. Mute indicator
8. Set Frequency
   Channel up/down
9. Power on/off



Receiver RX1000 (Rear)

1. Antenna jack
2. XLR-type balanced output
3. 1/4" unbalanced output
4. DC power jack (use included supply)



Specifications WX1000

Frequency Response	30Hz - 18KHz
Frequency Range	510MHz – 570MHz
Frequency Mode	FM
Channels	100
Receiver Sensitivity	<108dBm
Signal-to-Noise Ratio	>85dB
Harmonic Distortion	<0.5%
Dynamic Range	>100dB
Delay	<3ms
Operating Range	278' (85m) in open area, 196' (60m) indoors
Audio Output	XLR balanced output, 1/4" (6.3mm) unbalanced jack
Antenna Plug	1x TNC, 50ohms
Power Requirements	DC 12V, 1A
Dimensions	16" x 12.1" x 2.8" (40.5cm x 30.7cm x 7cm)
Weight	3.3Lbs (1.5kg)