



## WX50 Digital Frequency Agile Handheld Wireless Microphone System

### User Guide



### WX50 Digital Frequency Agile Handheld Wireless Microphone System

Enjoy the easy and exciting performance that the WX50 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 WX50 is a Digital Frequency Agile Handheld Wireless System. Designed for quick and easy use - The QuickMic™ receiver design utilizes an integrated 1/4" jack – Simply plug it into an open channel on your mixer and high-quality audio is ready for your next performance. The transmitter is outfitted with a CADLive™ style capsule, On/Off Mute button and Battery life indicator.

The WX50 contains the following features:

- Digital High Definition Audio
- Frequency Agile Design (16 switchable frequencies)
- Use up to 15 systems at the same time
- Up to 164' (50m) range between transmitter and receiver
- QuickMic™ connection to your mixing board via integrated 1/4" jack
- Handheld transmitter features the CADLive™ Style Neodymium capsule
- Transmitter and receiver feature low battery indicators
- Handheld transmitter utilizes AA Batteries with >8 Hrs of operation
- 2 Year Warranty

### Operating Instructions

1. Turn the receiver ON/OFF switch to ON, the LED indicator will illuminate, insert the 1/4" (6.3mm) input jack into the audio input jack of your audio mixer.
2. Insert (2) AA batteries into the battery compartment of the transmitter, make sure the polarity is correct.
3. Turn the transmitter on, the frequency display will illuminate, you can now use this system.
4. When the receiver battery gets low, please use the rechargeable cable to recharge the built in battery.

### Controls

1. ON/OFF Switch
2. Antenna
3. Charge indicator  
Red = charging  
Green = charged
4. DC 5V charging port
5. Low battery indicator  
Blue = on  
Red = needs charged
6. RF indicator  
Red = Channel A  
Green = Channel B



### Controls

1. Frequency Display
2. ON/OFF Switch
3. Frequency Selection Button (located inside Battery Compartment)
4. Battery Compartment



### Specifications

Frequency Response ..... 20Hz-16kHz  
 Modulation ..... High Definition Digital QPSK  
 Frequency Band ..... 500Mhz - 599Mhz  
 Transmitting Power ..... 10mW  
 Sensitivity ..... -43dbV (6.8mV) @ 1Pa  
 Battery Life ..... >8Hrs

Weight ..... 0.8lbs (0.36kg)  
 Dimensions ..... 11" x 3.94" x 2.44"  
 (28cm x 10cm x 6.2cm)

### Troubleshooting

1. If there is any noise, distortion or audio dropouts when using the system it may be caused by a low battery. Please replace the transmitter batteries or charge the receiver battery.
2. Remember to turn the switches to the OFF position when not in use.
3. If you won't be using the system for a long time, please take the batteries out of the transmitter.

### Frequency Matching

**If there are multiple sets of units in the same environment, crosstalk may occur (same frequency and ID). It can be resolved by the procedure below:**

**Transmitter:** Press and hold the ON/OFF switch and the frequency select buttons for about 4 seconds, the display will flash.

**Receiver:** Turn the power switch ON, the RF indicator will flash 4 times.

A short press on the frequency select button on the transmitter will complete the setup.



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](http://www.fcc.gov/cgb/wirelessmicrophones)

#### Two-Year Limited Warranty

CAD Audio hereby warrants that this product will be free of defects in material and workmanship for a period of two years from the date of purchase. In the unlikely event that a defect occurs, CAD will, at its option, either repair or replace with a new unit of equal or greater value. In the event that a suitable replacement is unavailable, CAD Audio may elect to reimburse owner for the cost of local repairs or issue a refund in the amount of the original purchase price. Items must be purchased from an authorized CAD Audio dealer, and the warranty is not transferable from the original owner. Please retain proof of purchase to validate the purchase date and include it with any warranty claim.

This warranty excludes exterior finish or appearance, damage from abuse, misuse of the product, use contrary to CAD's instructions or unauthorized repair. All implied warranties, merchantability, or fitness for a particular purpose is hereby disclaimed and CAD hereby disclaims liability for incidental, special or consequential damages resulting from the use or unavailability of this product.

This warranty gives you specific legal rights and you may have other rights that vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Note: No other warranty, written or oral is authorized by CAD Audio.

To initiate a warranty claim, please contact American Music and Sound at 1-800-431-2609 to obtain a return authorization number and shipping instructions.

- A return authorization is required for all returns, RETURNS WITHOUT A PRE-APPROVED RETURN AUTHORIZATION NUMBER WILL BE REFUSED.

- Please use at least 3 inches of padding surrounding the product for protection during shipment
- Retain your tracking number until your warranty claim has been resolved
- We recommend using an insured shipping method in case of loss or damage during shipment

If outside the United States, contact your local dealer or distributor for warranty details.

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