



WIRELESS

WX1000BP

100 Channel UHF Wireless
Body Pack Microphone System

User Guide



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WX1000BP 100 Channel UHF Wireless Body Pack Microphone System

Introduction

Enjoy the easy and exciting performance that the WX1000BP 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 WX1000BP is a Frequency Agile UHF Wireless Body Pack 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. System includes head-worn mic, lavalier mic, and guitar cable.

The WX1000BP 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
- Head-worn and lavalier microphones and guitar/instrument cable 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 autorisée 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.

Bodypack TX1000 Transmitter

1. Antenna
2. Audio input jack
3. Power Switch
4. LCD display
5. Battery compartment



Specifications TX1000

Frequency Response.....	30 - 18KHz
Frequency Range	510MHz - 570MHz
Transmit Mode.....	Micro power wireless
Channels.....	100
Input Power.....	<10mW
Signal-to-Noise Ratio	>85dB
Harmonic Distortion.....	<0.5%
Frequency Error	<15ppm
Frequency Stability	≤±0.002%
Modulation Mode	FM
Working Current	100 - 120mA
Antenna	Sheltered antenna
Power Requirements.....	2x AA batteries 1.5V

Operating Instructions

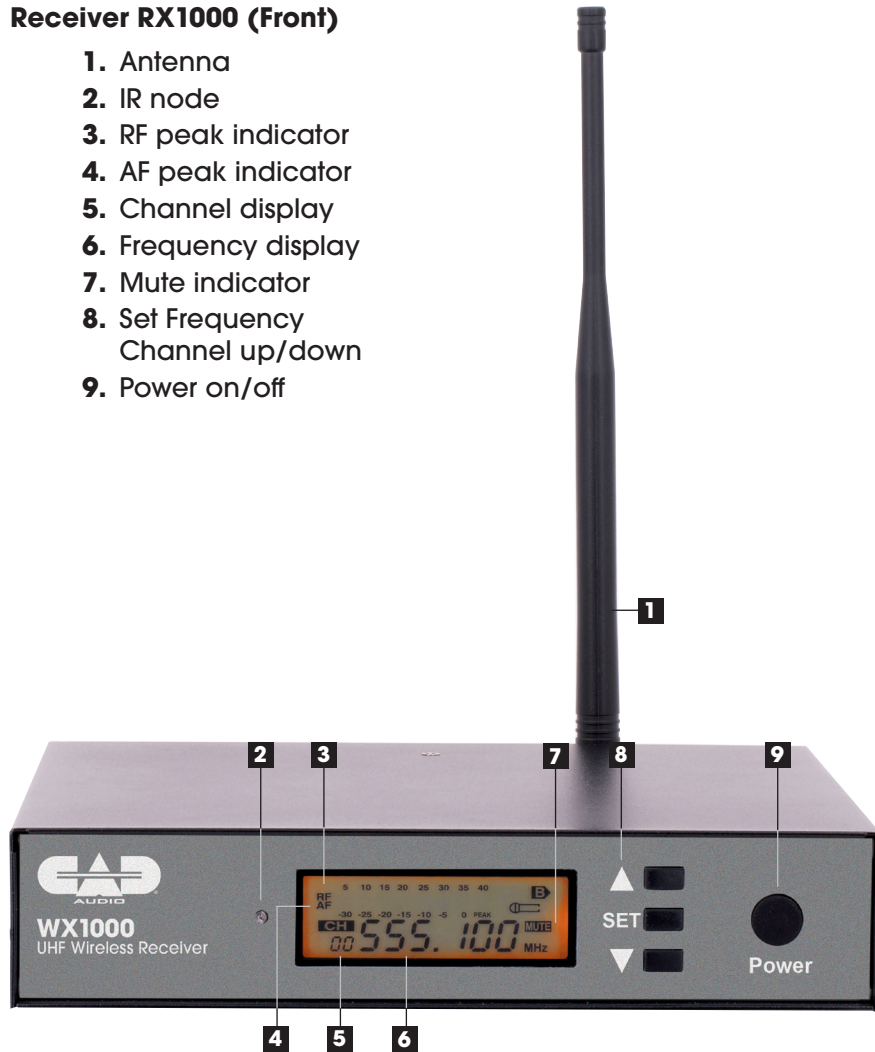
- Power on/off
- Volume Up: short press (▲)
- Volume Down: short press (▼)
- Synchronizing: short press the middle “SET” button, the system will enter into its pairing mode

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

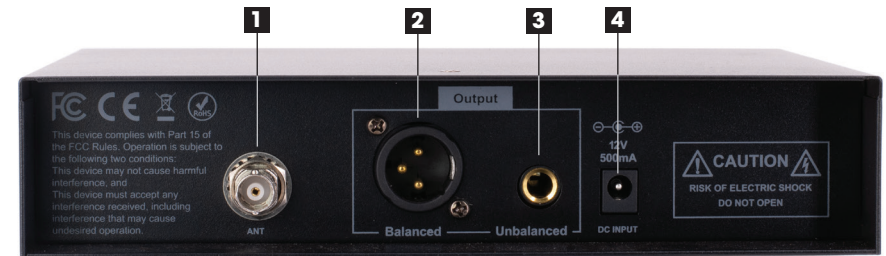
Receiver RX1000 (Front)

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)