

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)



## **StagePass™ WX1200**

### **Wireless Microphone System**

### **Manual and Quick Start-up Guide**



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# StagePass™ WX1200

## Introduction

Thank you for purchasing the CAD Audio StagePass™ WX1200 system. We hope that you enjoy the easy and exciting performance that the StagePass™ delivers for your next gig. CAD Audio/Astatic Commercial has been creating high-value products since 1938 and prides itself on supporting and developing the live performer. Our design criterion for the WX1200 was straightforward: develop a high-performance wireless microphone system agile enough to cope with today's dynamic RF environment that is both easy to use and exciting to operate.

## The StagePass™ WX1200 includes the following features:

- VHF Channelization for increased operating range
- Diversity Operation to minimize multipath interference
- 16 Channel Agility for frequency plan flexibility
- Scan-Link™ technology for instantaneous and automatic channel configuration
  - First, the receiver conducts an environmental frequency evaluation then selects a channel.
  - Second, the receiver links to the transmitter and sets the transmit frequency automatically.
- AA batteries for more than 10hrs of continuous operation
- Transmitters have soft touch On & Mute switches with multi-color LED indicators.
- Metal Chassis for a durable and formidable shielded enclosure
- 1/4" and XLR-type outputs for interfacing flexibility

## Channelization

The CAD WX1200 series wireless has 16 selectable VHF channels. Channel indicators 0 through F are displayed on the receiver. Corresponding frequencies (in MHz) are listed below.

0	175.125	8	178.125
1	175.375	9	178.925
2	175.775	A	180.725
3	175.975	B	181.525
4	176.175	C	182.025
5	176.525	D	183.225
6	176.925	E	184.525
7	177.925	F	185.125

7 of the channels can be used at any one time if optimal atmospheric conditions exist.

CH 0 , CH 2, CH 4, CH 9, CH B, CH D and CH F are recommended for simultaneous usage.

## Bodypack TX1210 Transmitter

- IR Node for Scan-Link™ operation
- 4 pin connector (TB4M-type)
- 3 Color LED indicator
  - **Green** = Transmitter is powered up and audio is live
  - **Orange** = Transmitter is powered up and audio is muted
  - **Flashing Red** = Low battery status (change battery ASAP)
- Power Switch – Soft touch switch
  - Holding the switch for 2 seconds turns the transmitter on/off
  - Quick momentary press of the switch mutes or unmutes the audio
- Volume control

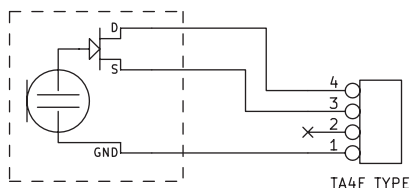


## Specifications TX1210

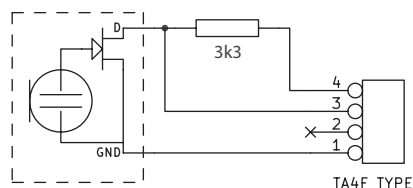
Frequency Response .....	40Hz – 15KHz
Maximum Input Level	
Microphone Input: .....	-18dBV
Instrument Input: .....	-6dBV
RF Output .....	<50mW
Dimensions .....	2-9/16" [6.5cm] x 4-1/4" [10.8cm] x 15/16" [2.3cm]
Net Weight .....	2.8oz [82g]
Power Requirements .....	2x AA batteries
Battery Life .....	>=10hrs, high-quality alkaline batteries

## Interfacing to TX1210 input connector

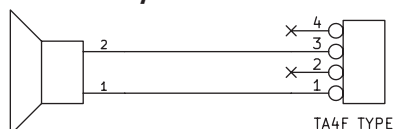
### 3-wire type electret mic



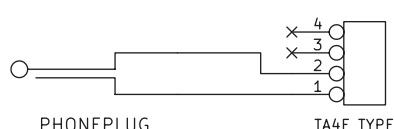
### 2-wire type electret mic



### Dynamic mic



### Instrument



## Operating Instructions

- Insert new high-quality alkaline AA batteries into your transmitter, observing proper direction.
- Power up the receiver and transmitter.
- Scan-Link™ your system by pressing the Set/Scan button on the receiver to automatically select operating channel.
- While the receiver display is flashing hold the transmitter IR node in alignment with the receiver IR node within a distance of approximately 12". The receiver will automatically set the transmitter channel. When the display stops flashing the system is "Scan-Link'd."
- To set up additional units continue the sequence while keeping previously linked transmitters away from the receiver that is attempting to Scan-Link™.

## Receiver RX1200 (Front)

- Set/Scan button – Scan-Link™ operation
- IR Node – Scan-Link™ communication
- Antenna A and antenna B
- AF Peak indicator LED
- Channel display
- Diversity indicator LED
- Select button – manual selection of receiver channel



Receiver RX1200 (Rear)

- 1/4" unbalanced output
- Volume control
- Squelch adjustment (factory preset – do not adjust without factory support )
- XLR-type balanced output
- DC power jack (use included power supply)



Specifications WX1200

Maximum Output Level	
Balanced Output	-16dBV
Unbalanced Output	-13dBV
Output Impedance	
Balanced Output	350ohms
Unbalanced Output	250ohms
Switchable Channels	16
Dimensions	9-1/2" [23.0cm] x 4-1/2" [11.4cm] x 1-9/16" [4.0cm]
Weight	12.3oz [350g]
Power requirements	12-15VDC, =<500mA

Handheld TX1200 Transmitter

- Power Switch – Soft touch switch
  - Holding the switch for 2 seconds turns the transmitter on or off
  - Quick momentary press of the switch mutes or unmutes the audio
- Tri-color LED indicator
  - **Green** = transmitter is powered up and audio is live
  - **Orange** = transmitter is powered up and audio is muted
  - **Flashing Red** = low battery status (change battery ASAP)
- IR node for Scan-Link™ operation

Specifications TX1200

Microphone Operating Principal	Moving coil dynamic
Polar Pattern	Cardioid
Frequency Response	40Hz – 15KHz
Maximum SPL	143dB
Dynamic Range	110dB
RF Output	<50mW
Dimensions	9-1/2" [24.1cm] x 1-7/8" [4.8cm]
Net Weight	7.3oz [208g]
Power requirements	2x AA batteries
Battery Life	>=10hrs, high-quality alkaline batteries

