



# GXLV

VHF  
Wireless  
Microphone System

Manual and  
Quick Start-up Guide



# **GXLV**

## **VHF Wireless**

### **Microphone System**

#### **Introduction**

Please enjoy the easy and exciting performance that the GXL™ Wireless Series provides for your next performance. CAD Audio has been creating valued product since 1938 and prides itself on developing and supporting the live performer. Our design criterion was straightforward. Develop a high value wireless microphone system that can cope with today's challenging RF environment that is both easy to use and exciting to operate.

#### **The GXLV Wireless includes the following features:**

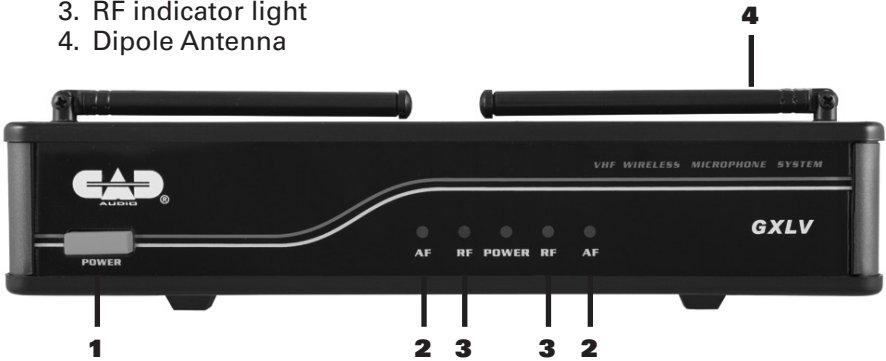
- Two discrete channels of wireless packaged in one receiver chassis.
- Each channel has RF and AF indicator lights that indicate the presence of connectivity and audio source.
- VHF Frequency Operation for increased operating range
- Advanced dipole antenna technology for increased operating range.
- Three output options on the receiver for maximum performance and flexibility of use.
  - Professional balanced XLRM-type discrete output
  - Professional balanced XLRM-type mixed output
  - Professional ¼ inch output for easy output to a guitar amp or mixer equipped with ¼ inch input connections.
- Handheld transmitter outfitted with on/off and mute function for flexibility of use.
- Bodypack transmitter outfitted with on/off, mute function for flexibility of use.
- Handheld transmitter features battery life indicator.
- Battery life of >10hrs.
- All Bodypack systems ship with WXGTR guitar cable and WXHW condenser headworn mic included.

## ***Operating Instructions***

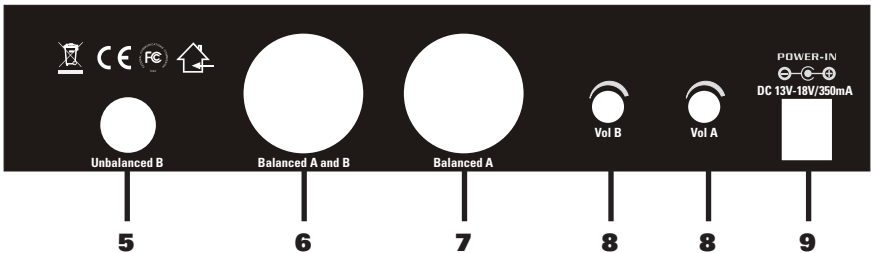
- Insert new high quality alkaline batteries into your transmitter.
- Utilize the flexible output format of the receiver to match your application. Connect to mixer or amplifier appropriately.
- Power up the receiver.
- Power up the transmitters.
- The RF indicator light will show connectivity between the receiver and the transmitter. The AF indicator light shows the presence of an audio source.

## Receiver RXGXLV

1. On/Off switch
2. AF indicator light
3. RF indicator light
4. Dipole Antenna



5. 1/4 inch output channel B
6. Balanced XLRM-type output mix of channels A and B
7. Balanced XLRM-type output channel A
8. Volume Control
9. DC power jack (use supplied power adapter)



### Specifications RXGXLV Receiver

Maximum Output Level .....	-6dBV
Output Impedance .....	600ohms
Frequency Response .....	50Hz - 18KHz
Frequency Band .....	VHF
RF Sensitivity .....	-105dBm
Output Connectors .....	2x XLRM-type, 1x 1/4"

## Handheld TXHGXLV Transmitter

- Transmitter Switch
  - Power on/off switch
  - Mute on/off switch
- Power indicator light
- Battery life indicator light

### Specifications TXHGXLV Handheld

Operating Principal.....	Moving coil dynamic
Polar Pattern.....	Cardioid
Frequency Response.....	80Hz – 13KHz
Sensitivity.....	-26dBV (50mV) @ 1Pa
Maximum SPL.....	135dB
Dynamic Range.....	>100dBA
RF Transmitter Output.....	10mW
Modulation.....	FM
Power requirements.....	9V alkaline or rechargeable battery
Battery Life.....	>10 hours (alkaline)



## ***Bodypack TXBGXLV Transmitter***

- On/Off, mute switch
- TB4M-type connector receives TA4F-type terminated connection
- Battery compartment
- Antenna
- LED indicator light



### **Specifications TXBGXLV Bodypack**

Frequency Response .....	50Hz – 18KHz
Dynamic Range.....	>100dBA
Maximum Input Level	
Microphone Input: .....	-6dBV
Instrument Input: .....	+10dBV
RF Transmitter Output.....	10mW
Modulation .....	FM
Power Requirements .....	9V alkaline or rechargeable battery
Battery Life .....	>10 hours (alkaline)

## Channelization

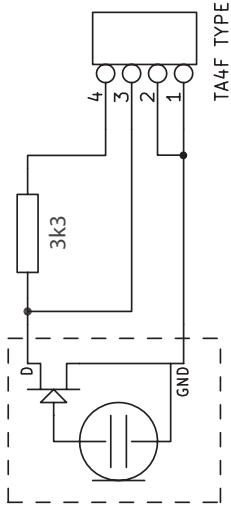
The GXLV system is available in the following frequencies:

**H = 185.8MHz / 213.74MHz**

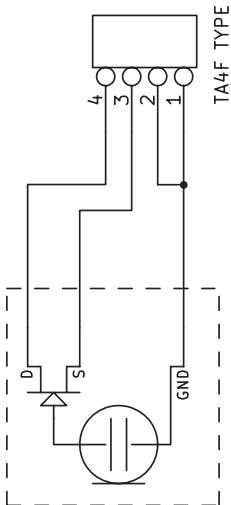
**J = 187.75MHz / 205.75MHz**

## Interfacing to TXBGXLV input connector

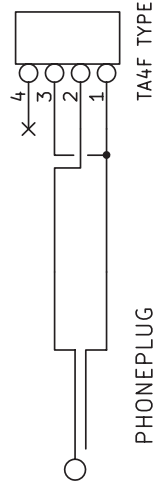
**2-wire type electret mic**



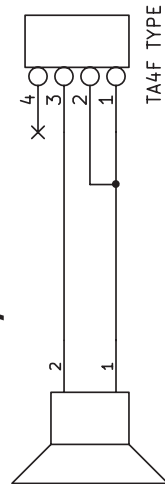
**3-wire type electret mic**



**Instrument**



**Dynamic mic**



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.

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. 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)

Please visit our support page for more help or information



**CAD Audio**  
**6573 Cochran Rd., Bldg. I Solon, OH 44139 U.S.A.**  
**Tel: (440) 349-4900 Fax: (440) 248-4904**  
**Sales: 800-762-9266 [cadaudio.com](http://cadaudio.com)**

©2013 CAD Audio Part No. 62155-00-00 Feb2013