



# **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.

## 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)



## Channelization

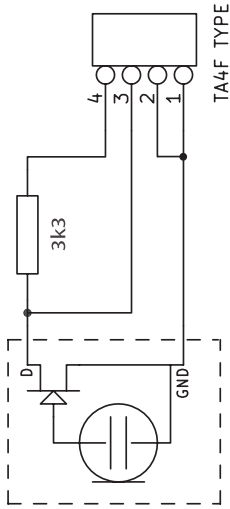
The GXLV system is available in the following frequencies:

**H = 185.8MHz / 213.74MHz**

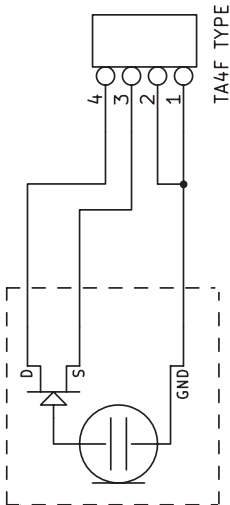
**J = 187.75MHz / 205.75MHz**

## Interfacing to TXBGXLV input connector

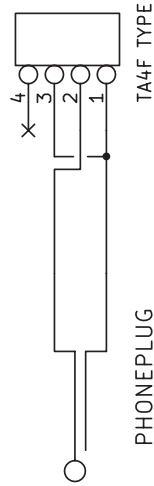
**2-wire type electret mic**



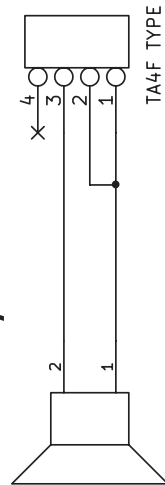
**3-wire type electret mic**



**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)

#### **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 Audio will, at its option, either repair or replace with a new unit of equal or greater value. Retain proof of purchase to validate the purchase date and return it with any warranty claim.

This warranty excludes exterior finish or appearance, damage from abuse, misuse of the product, use contrary to CAD Audio's instructions or unauthorized repair. All implied warranties, merchantability, or fitness for a particular purpose is hereby disclaimed and CAD Audio 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.

#### **Shipping Instructions**

Please call our customer service department at 440-349-4900 for a pre-approved return authorization number.

Carefully repack the unit and return the insured package to:

CAD Audio, 6573 Cochran Road, Building I, Solon, Ohio 44139.

#### **RETURNS WITHOUT A PRE-APPROVED RETURN AUTHORIZATION NUMBER WILL BE REFUSED.**

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



**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)**

## **FCC WARNING**

This device complies with Part 74 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE 2: This device complied with FCC radiation exposure limits as set forth for an uncontrolled environment. This device should be installed and operated so that its antenna(s) are not co-located or operating in conjunction with any other antenna or transmitter

## **IC WARNING**

This device complies with Industry Canada RSS-123 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 PCB antenna and maximum -3dBi 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.*