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› GTD Audio G-622L UHF 200 Channel Professional Wireless Microphone System Instruction Manual

## GTDaudio G-622L

# GTD Audio G-622L UHF 200 Channel Professional Wireless Microphone System Instruction Manual

Model: G-622L

## INTRODUCTION

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The GTD Audio G-622L Wireless Microphone System delivers superior sound quality and professional features. Designed for a wide range of applications, it offers 200 selectable channels and automatic frequency scanning for optimal performance. This system supports up to 15 receivers and 30 transmitters operating simultaneously without interference, making it ideal for various professional and recreational events.

## SAFETY INFORMATION

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- Do not expose the unit to rain or moisture.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only the specified power adapter.
- Ensure proper battery polarity when inserting batteries into transmitters.
- Keep the unit away from strong electromagnetic fields.

## PACKAGE CONTENTS

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- UHF Wireless Receiver
- Headset Microphones
- Lapel Lavalier Microphones
- Bodypack Transmitters
- Handheld Microphones (if included in specific package)
- Power Adapter
- Audio Cable (1/4" to 1/4")
- Antennas
- AA Batteries

## SETUP

Follow these steps to set up your GTD Audio G-622L Wireless Microphone System:

1. **Receiver Placement:** Place the receiver unit on a stable, flat surface. Ensure there is clear line-of-sight between the receiver and the transmitters for optimal signal reception. Extend the antennas vertically.
2. **Power Connection:** Connect the provided power adapter to the DC INPUT port on the rear of the receiver and then plug it into a power outlet.
3. **Audio Output:** Connect the receiver to your audio system (mixer, amplifier, or powered speakers) using the appropriate audio cables. The receiver features individual balanced XLR outputs for each channel (Balanced A, Balanced B, etc.) and a mixed 1/4" output (MIX A+B).
4. **Transmitter Battery Installation:** For each handheld microphone or bodypack transmitter, open the battery compartment and insert two AA batteries, observing the correct polarity (+/-). Close the compartment securely.
5. **Bodypack Microphone Connection:** If using bodypack transmitters, connect the headset or lapel lavalier microphone cable to the input jack on the bodypack.



Figure 1: Overview of the GTD Audio G-622L Wireless Microphone System components.



Figure 2: Rear panel connections of the receiver, including DC input, balanced XLR outputs, and mixed 1/4" output.

## OPERATING

1. **Power On:** Turn on the receiver by pressing its power button. The display will illuminate. Then, power on each microphone or bodypack transmitter. The transmitter displays will show channel and frequency information.
2. **Channel Synchronization:** The G-622L system features automatic frequency scanning to find and set the best available channel. The transmitter and receiver channels will synchronize automatically.
3. **Adjusting Gain/Volume:** Each channel on the receiver has an individual volume/gain control knob. Adjust these knobs to achieve the desired audio level for each microphone. It is recommended to start with lower gain settings and gradually increase to avoid feedback or distortion.
4. **Range:** The system offers a range of up to 600 feet (200 meters). Optimal performance is achieved within this range with minimal obstructions.

## MAINTENANCE

- **Battery Replacement:** Replace AA batteries in microphones and bodypacks when the battery indicator shows low power. Always use fresh, high-quality batteries.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the receiver and transmitters. Do not use liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, remove batteries from transmitters and store the system in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Receiver or transmitter not powered on; low/dead batteries; incorrect audio connections; receiver volume too low.	Ensure all units are powered on. Replace batteries. Check all audio cables and connections. Increase receiver volume.

Problem	Possible Cause	Solution
Poor reception or interference	Obstructions between transmitter and receiver; excessive distance; local RF interference.	Ensure clear line-of-sight. Reduce distance. Adjust receiver antenna position. The system features automatic frequency scanning to find the best available channel.
Audio distortion or feedback	Gain/volume too high; microphone too close to speakers; low batteries.	Adjust GAIN on the receiver. Move microphone further from speakers. Replace batteries.

## SPECIFICATIONS

- **Model:** G-622L
- **Frequency Range:** UHF 530MHz - 580MHz
- **Number of Channels:** 100 selectable frequencies on each channel (200 total)
- **Range:** Up to 600 feet (200 meters)
- **Signal-to-Noise Ratio:** 96 dB
- **Power Source:** Battery Powered (AA for transmitters)
- **Receiver Dimensions:** 19 x 4 x 2 inches
- **Item Weight:** 7 Pounds
- **Connectivity Technology:** XLR
- **UPC:** 700371824983

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact GTD Audio customer service directly. Refer to the contact details provided with your product packaging or visit the official GTD Audio website.