Bluetooth®
Home Stereo Transmitter & Receiver

User Manual

FCC Information: **The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:**

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses, generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment Off and On, the user is encouraged to try to correct the interference by one or more of the following measures

• Reorient or relocate the receiving antenna
• Increase the separation between the equipment and receiver
• Connect the equipment into an outlet on a circuit different from that to which he receiver is connected
• Consult the dealer or an experienced radio/TV technician for help

IMPORTANT NOTE
To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void the user's authority to operate the device.

CLASS 1 OPERATION
Class 2 Bluetooth® devices provide a maximum range of approximately 10 meters or 30 feet. Class 1 devices have a maximum range of 100 meters or 300 feet. Since Bluetooth® connectivity is bi-directional, the maximum range between two devices depends upon both units' operational class. As an example, when one Class 1 device is paired with one Class 2 device, the maximum range between them will be limited to 10 meters or 30 feet. Both devices would have to be Class 1 in order to achieve the maximum 100 meter range.

Using the Product

Thank you or choosing the GE 99004 Stereo Receiver & Transmitter. This device provides users with the ability to receive or transmit stereo audio via Bluetooth® wireless technology.

- **Receive Mode:** The audio source can be any device that is Bluetooth® enabled to comply with the A2DP (Advanced Audio Distribution Profile) specification. Examples would include a computer with a music library or an MP3 player with Bluetooth® transmission technology. A typical application would be to stream music from one of the sources listed above to your home entertainment system, allowing the music to be heard through your stereo system's speakers.

- **Transmit Mode:** The source can be any audio device that has line output jacks like your stereo receiver. A typical application would be to stream the music from your stereo system to a pair of Bluetooth® enabled stereo headphones.

Connections

Your GE 99004 comes with an AC Adapter and two RCA-to-3.5mm stereo patch cables.

1. Plug the AC adapter in to the receiver and the other end to a standard AC outlet.
2. Connect one of the patch cables from the 99004's jack marked "Input" to the line output jacks on your audio device.
3. Connect the 2nd patch cable from the "Output" jack to the auxiliary input (or other input) jacks on your stereo receiver.

Pairing the GE 99004 to a Bluetooth® Enabled Device

Receiving Mode:

1. Make sure the transmitting device (a laptop computer or other audio device transmitting via Bluetooth®) is turned on and in transmission mode. See the owner's manual of the other device for any product specific instructions.

2. Turn on the Audio/Video receiver and select the appropriate input.

3. Set the GE 99004's Receive/Transmit switch to Receive and turn it ON. When powered on, the 99004 will search for a Bluetooth® transmitter and if it has already been paired with the transmitter, automatically connect. If the devices have not been paired previously, press the front panel "pairing" button (with Bluetooth® logo) to pair the devices and link them. The GE 99004's Pairing LED will flash quickly during this process and stay ON when pairing is complete. When unlinked, the LED will blink slowly. **Note:** When in "Receive" mode, the LED is red.

4. Play music from the source–computer, or stand-alone transmitter. The audio should stream to the receiver so that you can hear it through your stereo system.

Transmitting Mode:

1. Make sure the receiving device is turned on. Most Bluetooth® enabled headphones will automatically pair with the GE 99004. See the owner's manual of the other device for any product specific instructions.

2. Turn on the Audio/Video receiver and select the appropriate input (CD, FM, etc.) for the music source.

3. Set the GE 99004's Receive/Transmit switch to Transmit and turn it ON. When powered on, the 99004 will search for a Bluetooth® receiver and if it has already been paired with the receiving device, automatically connect. If the devices have not been paired previously, press the front panel "pairing" button (with Bluetooth® logo) to pair the devices and link them. The GE 99004's Pairing LED will flash quickly during this process and stay ON when pairing is complete. When unlinked, the LED will blink slowly. **Note:** When in "Transmit" mode, the LED is blue.

4. Play music from the source device. The audio should stream to the receiver so that you can hear it through your headphones.

Note: It may take up to 2 minutes for the GE 99004 and your Bluetooth® audio device to pair. While the GE 99004 and your audio transmitter is pairing you will see the Blue LED on the GE 99004 flashing quickly. Once your GE 99004 is paired you will see a slow and steady blinking.

Advanced Audio Controls
If your audio device supports it, you can use the IR remote control or front panel pushbuttons to control (volume, play, pause, previous track, next track) your audio device. This only works if your other Bluetooth®-enabled audio devices offer this feature.

Turning Off the Unit
If you don't want to use the transceiver, turn it OFF with the slide switch. It can easily be paired back up to your devices the next time you choose to use it. While turning the unit "ON" or "OFF", you'll hear a dual-beep indicating that the power setting has cycled.

Troubleshooting

1. Why can't I create a connection to the 99004 in Receive mode?

 a. Make sure the transmitting device is fully powered (battery has full charge or AC powered).

 b. Verify that the 99004 is within the specified range of (30 feet / 10 meters for Class 2 devices or 300 feet / 100 meters for Class 1 devices) from the audio source and that the audio source is transmitting via Bluetooth®.

 c. Check to see if any other Bluetooth® device is connected to the 99004. If other devices are connected, the indicator LED on the RX box will be ON.

 d. Turn off the 99004 and all transmitting devices. Power on the 99004, then power on the audio source and try connecting again.

 e. Ensure you have the correct input selected on the stereo and that the volume is properly adjusted.

2. Why can't I create a connection to the 99004 in Transmit mode?

 a. Make sure the receiving device is fully powered (battery has full charge).

 b. Verify that the receiving device is within the specified range of (300 feet / 100 meters for Class 1 devices) from the 99004 and that the 99004 is set to transmit.

 c. Check to see if any other Bluetooth® receiving device is connected to the 99004. If other devices are connected, the indicator LED will be ON.

d. Turn off the 99004 and all receiving devices. Power on the 99004, then power on the receiving devices and try connecting again.

e. Ensure you have the correct music source selected on the stereo and that the volume is properly adjusted.

Specifications

Standard	Bluetooth® 2.0 compliant
Power Class	Class 1
Frequency Band	2.402~2.480 GHZ unlicensed ISM band
Profile Supported	A2DP, AVRCP
Audio Format	SBC
Rx Sensitivity	< 0.1% BER at -86 dBm
RF Output Power	-6dBm to 17 dBm
Sampling Rate	48 KHz
SNR	>85dB
Antenna	embedded antenna
Working Distance	Up to 300 feet in open space*
Power Supply	5V DC, 500mA; center pin positive
Operating Temperature	10 °C ~ +55 °C
Dimensions	116 mm (L) x 72 mm (W) x 28.5 mm (H)
Weight	86 grams

*Note: The maximum operating range depends on the paired phone model, battery power, and environmental factors.

DISCLAIMER
While every effort has been made to ensure that the information in this manual is accurate and complete, no liability will be accepted for any errors and/or omissions made. The manufacturer reserves the right to make changes and improvements to the specifications and features of the hardware and firmware of the products described in this document without prior notice. Reproduction, transfer, distribution or storage of part or all of the contents in this document in any form is prohibited without prior permission of the manufacturer. All trademarks acknowledged.

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10 E. Memorial Road, Oklahoma City, OK 73114

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