13. User Manual

First Page:

Trade Name
Model Number
Package Contents
Warnings, Important Safety Information
No User-Serviceable Parts Inside
Marketing blurb

Following Pages:

Set Up Overview

1. Unpack and connect the AC adapters to the Transmitter and Receiver
2. Select the best location for your Transmitter and Receiver
3. Connect the Transmitter to your audio source
4. Connect the Receiver to an audio preamplifier
5. Turn the system on
6. Adjust the position of the Transmitter and Receiver antennas (internal facing out of the ends opposite of the connectorized panels) so they face each other. Adjust for best reception.
7. Set the Level on the Transmitter initially to half-volume. While listening to several samples of music turn the volume to the highest level without sound distortion on audio peaks.

Placement

It is best to place the Transmitter and Receiver as high as possible in an area where there will be the least traffic. They should be a minimum of 20 feet and a maximum of 200 feet apart.

Operating the Transmitter

Connect the supplied AC adapter's barrel-shaped connector into the 12VDC jack and then plug the adapter into a standard AC outlet. The Red LED will light.

Set the rotary channel selector switch to one of six preset frequencies. Rotary Switch Position 5 is the mid-band frequency.

Connect LINE OUT (Left and Right) from an audio source to the RCA Input connectors on the Transmitter.

Initially set the Level to half-volume.

Push the On/Standby push button switch to On (the green LED will light).

Operating the Receiver

Connect the supplied AC adapter's barrel-shaped connector into the 12VDC jack and then plug the adapter into a standard AC outlet. An alternate power connection is by means of the proprietary MiniDIN connector. Connect power to one or the other, but not both. The Red LED will light.

Connect the audio output signal from the RCA connector to the audio preamplifier. An alternate connection is by means of the proprietary MiniDIN connector. Connect to one or the other.

There is no RF channel frequency to select at the Receiver. The RF channel number is selected only at the Transmitter and the Receiver searches until it finds the proper channel.

The Green LED will flash (searching for a signal) and glow steady green when the Receiver is locked onto a signal. If the Green LED flutters bright and then weak the RF signal is too high in amplitude and the Receiver should be moved further from the Transmitter.

If there is noise or distortion on the sound, adjust the antenna orientations.

Changing the Transmit Frequency

Select one of six frequencies to minimize interference from another device operating on the 5GHz band.

First, place the Transmitter in the Standby mode.

Then, use a small screw driver to change the rotary switch to a different position.

Rotary Switch Position	Frequency Channel #
0	6
1	6
2	6
3	5
4	4
5	3
6	2
7	1
8	6
9	6

Press the On push button to transmit on the new frequency.

Setting a Privacy Code

The Privacy Code ensures that the Transmitted signal is only received by the Receiver set to the same code. Unplug the Transmitter and Receiver from power when setting the code. The new code will be activated when power is restored.

There are 256 possible combinations.

Important FCC Information

This equipment has been tested and found to comply with Part 15 of the *FCC Rules* in order to provide reasonable protection against harmful interference. This

equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

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 off, 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 the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your audio link.

Changes or modifications not expressly approved by the manufacturer may cause interference and void the user's authority to operate the equipment.

This device complies with Part 15 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.

Product: Wire-free 5.8 GHz Digital Audio Link

Model: 2600T

Responsible Party: Music Sciences, 1590 Murphy Pkwy, Eagan MN 55122, Phone: 651-454-5635.

<u>Troubleshooting</u>

The system does not power on.

Make certain that the AC adapters are plugged securely into the Transmitter and Receiver, and the wall outlets.

The system is not receiving a signal.

Make certain both units are powered on and that your audio source is turned on and operating.

Make certain the green LED on the Transmitter is illuminated.

Make certain the green LED on the Receiver is illuminated. If not, reorient the antennas. If the green LED flashing then it is searching for a signal and the Transmitter may not be turned On. If the Green LED flutters bright and then weak the RF signal is too high in amplitude and the Receiver should be moved further from the Transmitter.

Make certain the Privacy Codes match on the both units.

The audio is distorted

Make certain the audio going into the Transmitter is not distorted.

Turn down the Level adjust at the Transmitter.

Reorient the antennas.

The system has noise

Check that the Transmitter and Receiver antennas are in clear line of sight with each other.

The antennas must be at least 20 feet apart to operate correctly.

Cordless phones on the 5GHz band may cause interference. Change the frequency of the Transmitter. Cycle through push button Standby/On. Frequency hopping type of 5GHz cordless phones may not be compatible with this equipment and may not be operationed at the same time.

Metal objects, such as some building structural supports or heating ducts, may cause interference. Try reorienting and relocating the antennas.

5GHz 802.11a WLAN interference

Set your WLAN band to 5.15 – 5.35GHz band range. Avoid using the 5.8GHz band.

Specifications

Transmitter

Range	300 feet, Open Field Testing
Number of RF channels:	Six
Number of audio channels:	Two (stereo)
RF Band:	5.8GHz
Power supply:	12VDC, 500mA

Receiver

Power supply	12VDC, 500mA

Warranty