

13. User Manual

First Page:

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

Following Pages:

Set Up Overview

1. Professional Installation Only
2. Select the best location for your Transmitter and Receiver
3. Connect the Transmitter to the scrambled digital audio source
Digital signal and power are provided to the Transmitter on the matching cable.
4. Connect the Receiver to digital audio decoder
5. Turn the system on
6. Adjust the position of the Transmitter and Receiver antennas (the antennas are internal, facing out of the ends opposite of the connectorized panels) so they face each other. Adjust for best reception.

Placement

It is best to place the Transmitter and Receiver as high as possible in an area where there will be the least traffic.

Operating the Transmitter

Professional Installation Only

The Transmitter operates automatically. There are no adjustments to be made. There are no switch settings on the Transmitter, and no options. The maximum distance from the Transmitter to the Receiver is about 200 feet.

Operating the Receiver

The Receiver operates automatically. There are no adjustments to be made.

Important FCC Information

This equipment must be professional installed.

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 on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the radio or television's 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 microwave 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.

Model: 3000A

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

Troubleshooting

The system does not power on.

Make certain that the AC power is supplied to the scrambled digital audio source and the digital audio decoder.

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 LED on the Transmitter is illuminated.

Make certain the LED on the Receiver is illuminated.

Reorient the antennas.

The audio is distorted

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

Turn down the Level into 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.

Metal objects, such as some building structural supports or heating ducts, may cause interference.

Try reorienting and relocating the antennas.

Specifications

Transmitter

Range

Horn Antenna: 200 feet, Open Field

Parabolic Antenna: 1,000 feet, Open Field

Number of RF channels: One

RF Band: K band

RF Power:

Horn Antenna (Model 6100): 0.01875 W EIRP Max.

Parabolic Antenna (Model 6200): 1.064 Watts EIRP Max.

Power supply: 24VDC, 100mA

Receiver

Power supply 24VDC, 100mA

Warranty