

FM Orator Digital Audio Recording FM Transmitter



Owners / Operators Manual

P/N 202004 Rev 1.1

Introducing FM Orator

The Fm Orator Digital Audio Recording FM Transmitter is designed to store up to 8 1/2 minutes of digitally sampled audio. After the audio is recorded, the Orator can then transmit the audio by way of FM broadcast to any standard FM receiver. When the Orator is in the transmit mode, it will continuously broadcast the recorded message on the selected frequency until the Orator is turned off or the transmit function is disabled.

FM Orator Quick Start

Remove the Orator from the packaging and attach the enclosed power cord. Plug the power cord into a 120/240 AC power plug. The LCD display will display the last programmed FM frequency and the green power indicator will illuminate.

Locate an unused FM Frequency

Using a standard FM receiver, locate a frequency in your area that is not in use (i.e., no station is found on the frequency). You should now program the Orator to that frequency. If you press the UP or DOWN frequency selection buttons, you will find that the LCD display indicates the word "LOCKED". The Orator controls initialize in the locked condition, and will lock themselves after 2 minutes of inactivity of the controls. This feature protects against inadvertent control changes or unwanted tampering after a recording is made and the frequency is set. Press both UP and DOWN FREQ buttons for 2 seconds to unlock the controls. The controls will remain unlocked as long as you are programming the Orator. When no controls are pressed for two minutes, the Orator will return to the locked mode and both FREQ buttons must be pressed together again for two seconds to unlock the unit.

Recording your message

To record your message in the Orator:

- 1) Plug the included microphone into the MIC jack located on the rear panel of the Orator.
- 2) Press the REC button on the front panel of the Orator and speak your message into the microphone. The distance you speak and the volume of your voice will affect the quality and audio level of the recorded message. The Microphone included with the Orator is sensitive so any background noise may also be picked up in the recording. For best results, make your recordings in a noise-free environment.
- 3) When finished with your message, press the REC button to stop the recording. Unplug the Microphone from the Orator. The Orator will now broadcast your message continuously as long as power is applied.

Using a Pre-Recorded message

The Orator has the ability to record a message from an external, Line Level audio source. The audio may come from a computer audio line out jack, a CD player, or any standard audio source. In order to use this feature, plug a stereo phono plug patch cord into the Line In jack on the rear panel of the Orator. Push the REC button on the front panel of the Orator and start the audio source playing. When the recording is complete, push the REC button to stop the recording. Remove the audio patch cord. The Orator will then begin transmitting the recorded audio until the power is removed from the unit.

Normal Operation

The Orator is designed to give many years of satisfactory use in normal environments. The unit is designed to be used only in dry and weather protected environments. In order to use the unit in more harsh environments, the unit must be contained in a weather protected enclosure and protected from moisture and excess temperature extremes. Failure to do so will void the Limited warranty and shorten the operational life of the Orator.

UNLOCKED

The Orator contains a self monitoring feature that insures that the transmitted signal is on the programmed frequency. If the internal computer determines that the transmitter is not "LOCKED" to the indicated frequency then the XMIT LED will be off, the display will indicate UNLOCKED, and no FM signal will be generated. It is normal for this indication to occasionally be viewed when changing the frequency of the unit. If the UNLOCKED condition exists for more than 2 seconds, then a internal error is indicated and the unit must be returned for service and repair.

No User Servicing Inside

The Orator is designed for years of trouble-free use. There are no user serviceable parts inside. There are no batteries or fuses internally to replace. In the event that the unit requires service, it must be returned to the manufacturer. If the unit seal is broken, or it is opened, damaged, or tampered with by the user, the manufactures warranty will be void.

Trouble Shooting

Problem: No display

Solution: Make sure that the included 12 Volt power supply is plugged into a working power receptacle (115V or 230V) and that the small tubular connector is fully inserted in the rear panel of the Orator.

Problem: Display reads UNLOCKED.

Solution: See section above titled UNLOCKED

Problem: Noise in broadcast:

Solution: The Orator microphone is sensitive to both audio and electrical noise pick up. If the recording contains excessive background noise or "hum", try recording your message in a more noise-free environment.

Radio Frequency Interference

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.

Warranty

Your Orator is warranted to be free from manufacturing defects for a period of one (1) year from the date of original purchase. In the unlikely event your Orator fails to operate correctly due to a manufacturing defect during that period, we will repair or replace your unit at no charge. The warranty is void if the Orator is exposed to moisture or harsh weather conditions, or if the unit is opened and/or tampered with. No other warranties are expressed or implied.

