



## Information Radio Transmitter Programming Guide



## Front Panel

- 1. LCD Display:** Displays information related to the current mode. Shows transmit frequency, elapsed or remaining time, either during record or playback. In interrupt mode, shows time until next interruption.
- 2. FM/Stereo LED's (Red):** The FM LED will light when the LCD display is showing the transmitter frequency. If stereo mode is enabled, then the "Stereo" light will also be illuminated.
- 3. Play LED (green):** Indicates that the unit is playing back a recorded message. The display will either show the elapsed time of the message as an increasing number or the remaining time as a decreasing negative number. Briefly pressing the "Display" button will switch the LCD between showing the elapsed time, the remaining time and the transmit frequency.
- 4. Auxiliary LED (green):** Indicates that the unit is transmitting from the Line-In connector. In this mode, the display will only show the transmit frequency unless Interrupt mode is enabled. In Interrupt mode, the display can be toggled between the transmit frequency and the remaining time until the next interruption.
- 5. Record LED (red):** Indicates that the unit is recording a new message. The display will only show the elapsed or remaining time. When less than 10 seconds of time is left, the display and the LED will blink. Briefly pressing the "Display" will switch between Elapsed and Remaining time.
- 6. Remote LED (Red):** Indicates that an authorized key or remote interface has been detected.
- 7. Remote connector:** RJ-11 jack used to connect a remote interface device or a security key.
- 8. Line-In Connector:** 1/8" stereo phono jack for providing audio input to be used for recording or for direct transmission.
- 9. Audio Monitor Connector:** 1/8" stereo phono jack that a small speaker or headphones can be plugged into for monitoring audio during recording or during transmission. The audio at this connector is the same audio that is being transmitted.
- 10. Display Button:** used to change display modes. The effect of the button depends on the current operational mode.

**11. Change Button:** Used to change a setting. The effect of this button depends on the current display or operational mode.

**12. Up/Start Button:** Used to increase a setting or start recording.

**13. Down/Stop Button:** Used to decrease a setting or stop recording.

## **Terms and definitions:**

### *Change Level:*

**Level 1:** Single press of “Change” button

**Level 2:** Press and hold “Change” button for 3 seconds. “L2” will appear on the display.

**Level 3:** Press and hold “Change” button for 6 seconds. “L3” will appear on the display.

### *Locked Feature:*

If user attempts to access a feature that is locked, then display will show all dashes for one second.

## Recording a new message

- 1) Press “Display” button until either the elapsed time or the time remaining display is showing and the “Play” LED is illuminated. NOTE: In Interrupt Mode, either the “Play” or “Auxiliary” LED may be illuminated, while the other LED blinks. It does not matter which LED is lit, since a new message may be recorded at any point in the interrupt cycle.
- 2) Plug the line-level audio source into the “Audio In” connector on the front panel. Plug headphones or amplified speakers into the “Audio Monitor” connector on the front panel.
- 3) Briefly press and release the “change” button. The “Play” LED will go out, the “Record” LED will start to flash and the display will show “0:00”. If the display shows all dashes, then this feature is locked and an authorized key must be inserted to enable recording a new message.
- 4) Press “Up/Start” to start recording. The display will show the elapsed recording time. When less than 10 seconds of record time is remaining, the display will begin to flash. The recording will automatically stop when the time limit is reached.
- 5) Press “Down/Stop” to stop the recording. The recorded message will automatically be played back once for verification and the unit will return to “Ready to Record” mode. (Step 3)
- 6) If the recording is satisfactory, then briefly press “Change” to return to normal operation.

## Changing transmit frequency

- 1) Press “Display” button until the transmit frequency is displayed and the FM LED is illuminated.
- 2) Briefly press and release the “change” button. The transmit frequency will start to flash. If the display shows all dashes, then this feature is locked and an authorized key must be inserted to permit changing transmit frequency.
- 3) Press “Up” or “Down” to select the desired transmit frequency. NOTE: while changing the frequency the transmitter will be turned off and message playback will be suspended.
- 4) When the desired frequency is selected, briefly press the “Change” to return to normal operation.

## Changing Audio Source

There are three distinct modes for normal playback.

Repeating Message (Play LED steady)

External Audio (Auxiliary LED steady)

Interrupt Mode (Play or Auxiliary LED steady, the other blinking)

- 1) Press “Display” button until either the elapsed time or the time remaining display is showing and either the “Play” or “Auxiliary” LED is illuminated.
- 2) Press and hold the “change” button until “L3” is shown and then release. The “Play” or “Auxiliary” LED will start to flash. If the display shows all dashes, then this feature is locked and an authorized key must be inserted to permit changing playback mode.
- 3) Press “Up” or “Down” to select the desired playback mode. For “Repeating Message” mode, the Play LED will blink, for “External” mode the “Auxiliary” LED will blink and for “Interrupt” mode, both LED’s will blink.
- 4) When the desired playback mode is selected, briefly press “Change” to exit mode selection.

## **Change “Interrupt Mode” timing**

In interrupt mode, the unit transmits the audio from the Line-in connector for a specified amount of time. The unit will then play a single recorded message before returning to the external audio source. This can be used to provide background music, with periodic interruptions for a pre-recorded message.

In order to change the Interrupt Mode timing, the unit must first be operating in interrupt mode. However, the timing can be adjusted at any point in the cycle.

- 1) Press “Display” button until either the elapsed time or the time remaining display is showing and the “Play” or “Auxiliary” LED is illuminated.
- 2) Press and hold the “change” button until “L2” is shown, then release the button. The display will flash while showing the current interrupt mode timing. If the display shows all dashes, then this feature is locked and an authorized key must be inserted to permit changing interrupt time.
- 3) Press “Up” or “Down” to set the desired interrupt time, to a maximum of 99 minutes, 59 seconds. The longer the button is held, the faster the values change.
- 4) Once the interrupt time has been set, briefly press “Change” to return to normal operation.

## Feature Security

- 1) Press “Display” button until the transmit frequency is displayed and the appropriate AM or FM LED is illuminated.
- 2) Press and hold the “Change” button until “L3” is shown and then release. All LED’s will go out and the display will show “01:\_\_\_”. If the display briefly shows all dashes, then this feature is locked and an authorized key must be inserted to permit entering the key control menus.
- 3) Press “Up” or “Down” to choose the feature that is to be modified. The feature list is as follows:
  - 01 = All user features (change will apply to features 02 through 09)
  - 02 = Change Message
  - 03 = Change Interrupt timing
  - 04 = Change Audio Source
  - 05 = Change Frequency
  - 11 = All admin features (change will apply to features 12 through 19)
  - 12 = Feature Security mode (change will apply to Feature Security mode)
  - 13 = Add/Remove Key Mode (change will apply to ability to add/remove keys)
  - 18 = Disable “Key List”
  - 19 = Enable “Key List”
  - 00 = All features (change will apply to ALL features)

Note: If feature 18 is selected, then all keys are removed from all lists and any key will be able to access all features. If feature 19 is selected, then the current key will be automatically assigned to all features. Feature 19 will not be accessible if the current key is a service key.

- 4) Press “Change” when the desired feature is shown. The feature code is shown in the upper 2 digits of the display, followed by a colon. Now the feature options will be shown. Press “Up” or “Down” to choose what to be changed about the feature. If an option is not available or not applicable, then it will not be accessible. The options are as follows:
  - 01 = Lock the feature (feature will now require a key)
  - 02 = Unlock the feature (feature can be accessed without a key)
  - 03 = Add a key to list for feature (not available if unlocked)
  - 04 = Remove a key from list for feature (not available if unlocked)

Press “Display” to return to normal operating mode.

- 5) If option 01 or 02 above is selected, press “Change” to Lock or Unlock the feature. The unit will return to step 3 above.
- 6) If option 03 is selected from step 4, then press “Change”. The unit will then start flashing three underscores. Remove the currently inserted key and insert the key you wish to add. The display will then show the key number. Press change again to accept the key and to return to step 3 above.

Note: a maximum of 4 keys can be authorized for a specific feature.

- 7) If option 04 is selected from step 4, then press “Change”. The display will show each key number, leading with the numeral 1 through 4 and a decimal. Press “Up” or “Down” until the key you wish to remove is shown, then press “Change”. The display will return to step 3 above.