

EMH Series Mobile Radio

Detailed Functions

Scan Operation

Press the SCN to start or stop scanning channels within a group. Scanning occurs only when in the receive mode. Your display in scan mode will show either the letter's SCN flashing (alphanumeric mode) or flashing bars (numeric mode).

With the Scan function turned off, you'll be able to tell which channels are in or out of the scan list within the group you're using. A channel with SCN displayed when not in scan indicates it is programmed for scan. To program a channel into a group, press and hold the SCN button for about 1 second or more. A beep will sound telling you the channel is now in the scan list. The same applies to delete a channel from the scan list.

Priority Scan Operation

Press the PRI button to start or stop priority scanning. Priority scan only works when the radio is receiving. The display will show PR followed by either SCN or the flashing bars.

To set a channel as the fixed priority channel, press the PRI button for 1 second or more, until a beep is heard. The radio must not be in the PRI mode to set the PRI channel.

Note: This only works in Priority mode's B, C, and D, not in A.

Priority Mode A – The channel selected by the CHL select knob will be the Priority channel. When PRI mode is turned on, the radio will scan all channels with the scan list, including the PRI channel. If the receiver stops on a channel other than the PRI channel, the radio will still check the PRI channel for activity. If the PRI channel becomes active, the radio will go to the PRI channel for the duration of the transmission.

The radio transmits on the channel selected by the channel select knob.

Priority Mode B – If a radio is programmed with Priority Mode B, a channel is fixed in the programming. Mode B is the same as Mode A, except that the PRI channel is fixed. However, with any channel selected, other than the PRI channel, and with SCN off and PRI on, the receiver checks the PRI channel while receiving on the selected channel. If activity is detected on the PRI channel, the receiver automatically goes to the PRI channel for the duration of the call.

Priority Mode C – The PRI channel is pre-programmed (by the user). This channel is displayed any time the PRI is on, no matter where your channel select knob is. PRI operation during SCN operation is the same as Mode A, except the PRI channel is pre-programmed. The radio will always transmit on the PRI channel when PRI is on.

Priority Mode D – This mode is the same as Mode C. However, when PRI is on, the channel name or number displayed is the knob selected channel, not the PRI channel.

Programming Instructions.

The EMH Mobile can be programmed with the LAA 0290 microphone with keypad.

To enter the programming mode, press and hold the far right push button on the radio. While holding the button, press and hold the [FCN] key on the microphone. After about 3 seconds the display will show ---- ID. Release both the button and key.

Enter: 0 0 0 0 0 0 then pres [ENT]

Press [ENT]

(SEE BELOW FOR FIRST SCREEN GROUP 0 SETTINGS)

Any channel number can now be pressed to allow access to the frequency and CODE GUARD values for the channel.

Press [1] and the display will show “PROG CH 1”. This is the entry point for Channel 1 values.

Press [FCN] and the upper display will show “PROG RX”. This is the receive frequency for Channel 1.

If the display is correct, press [FCN] to advance to the next value.

If a new frequency is desired, press [CLR] followed by the digits of the desired frequency. If an error is made press [CLR] and re-enter the desired frequency. The press [ENT] to store this frequency and automatically advance to the next value.

After the receive frequency is set the upper display will show “PROG RX CG”. This is the Tone Guard value for Channel 1 receive.

If the display value is correct, press [FCN] to advance to the next value.

If a new value is desired, a press of the [CLR] key will reset the display to “0.0”. Enter the Code Guard. When the display value is correct, press [ENT] to store the Code Guard and automatically advance to the next field.

After the Code Guard is set the upper display will show “PROG TX”. This is the transmitter frequency for Channel 1. If it is not correct, press [FCN] to advance to the next value.

If you wish to change it, press [CLR] followed by the frequency the [ENT] to store the new frequency and automatically advance to the next value.

After the transmit frequency is set the upper display will show “PROG TX CG”. This is the Code Guard value for Channel 1 transmit.

If this value is correct press [FCN] to advance to the next value.

If a new value is desired, proceed as you did with the Receive Code Guard values.

After the transmit Code Guard is set...

If the ALPHANUMERIC is enabled, you can enter the display you would like shown at this point. Press [CLR]. Press [PRI] to cycle through to the letter or number for the first position. Press [FCN] to move the cursor over to the second position. Press [PRI] to cycle through to the letter or number for the second position. Press [FCN] to move the cursor over to the third position. Etc., etc.

NOTE: If you messed up, press [CLR] and start over again. By pressing [CLR] twice, it will revert back to what was originally programmed.

NOTE: Press [FCN] repeatedly for spaces.

When finished, press [ENT].

You are now back at the Channel 1 entry point. If you wish to review the frequencies and Code Guard values in Channel 1, subsequent pressing of the [FCN] key will show each value and then loop back to the Channel 1 entry point.

If the ALPHANUMERIC is NOT enabled, the display will put you back at the Channel 1 entry point. If you wish to review the frequencies and Code Guard values in Channel 1, subsequent pressing of the [FCN] key will show each value and then loop back to the Channel 1 entry point.

After Channel 1 information is set, the display will loop back to show “PROG CH 1”. Press [CLR] followed by the digits of any other channel number to gain access to the frequencies and code guard values for that channel. Each channel is then programmed using the same techniques as previously outlined for Channel 1.

When all desired channels have been programmed, turn radio off and remove the programming plug.

Normal radio operation will occur on the next power up.

GROUP 0 SETTINGS

The first screen that comes up when you get into programming mode is Channel 00. This is where you configure all the settings for the group you are on.

Press [FCN] to scroll through these settings.

Press [PRI] to scroll through the options on the screen.

Press [ENT] to enter what is on the screen.

- ANI (Automatic Number Identification) **DO NOT MESS WITH THESE NUMBERS.**
- Transmitter Timeout Timer
- Scan Delay Time

Group Functions (**Bold Numbers** are flashing on the screen are enabled. Press the Number to toggle on and off.)

1 – **1** 2 3 4 5 Batter Saver Disabled

1 – 1 **2** 3 4 5 Priority Mode A

1 – 1 **2** 3 4 5 Priority Mode B

1 – 1 **2 3** 4 5 Priority Mode C

1 – 1 2 **3** 4 5 Priority Mode D

1 – 1 2 3 **4** 5 Priority Key Lockout

1 – 1 2 3 4 **5** Scan List Lockout

2 – **1** 2 3 4 5 User Code Guard Enabled

2 – 1 2 **3** 4 5 Busy Channel Indicator Enabled

2 – 1 **2 3** 4 5 Busy Channel Lockout Enabled

2 – 1 **2** 3 4 5 Busy Channel Lockout with Override Enabled

2 – 1 2 3 **4** 5 ANI Enabled

2 – 1 2 3 4 **5** Manual DTMF Encoder Enabled

2 – 1 2 3 **4 5** Manual DTMF Encoder with Manual ANI

3 – **1** 2 3 4 5 LCD Backlight on Main Channel Activity

3 – 1 **2 3** 4 5 LCD Backlight on Scan Channel Activity

3 – 1 **2 3 4** 5 LCD Backlight on Other Channel Activity

3 – 1 2 3 **4 5** LCD Backlight on Key Press

3 – 1 2 3 4 **5** Alphanumeric Mode Enabled

- Backlight Duration
- Group Label