Quick Guide

MM-014369-001
Rev. F, June 2020

Radio Controls – User Interface

Radio Controls (refer to Fig. 1)

Power On-/Off

Volume Control

This rotary switch selects the systems or group/channels, depending on programming.

System/Group/Channel Control Knob

Ramp Control

Scrolls through the system list or the Group/Channel list. The secondary function increments or decrements items within a list.

Scan ON/OFF

This button toggles scan operations ON and OFF. All groups or channels in the scan list of the currently selected systems are scanned.

Scan Add/ Delete

Used to display the current SCAN status for a group/channel and then either add or delete the group/channel from the scan list.

TX Indicators

Transmitter enabled – ON when the radio is transmitting.

BSY Indicators

BUSY - On indicates a carrier is being received (the channel is busy).

Status Icons

Indicates selected group or channel is in scan list.

Indicates selected group or channel is programmed as Priority 2 in scan list.

Indicates selected group or channel is programmed as Priority 1 in scan list.

Indicates the EDACS system is in Fastsoft™ mode (if enabled through programming).

Volume bars – indicates relative volume level.

Status Icons (continued)

Indicates scan mode enabled.

Indicates the current channel is set up as an analog channel.

Indicates the current channel is set up as a ProVoice channel.

Indicates receiving or transmitting Encrypted Calls.

Indicates a conventional channel enabled with Channel Guard Function.

Indicates the current channel is set up as a P25 channel.

Radio Keypad Functions

CLR or CLEAR

In Trunked mode, the CLR button exits the current channel and removes all displays associated with it. In Conventional mode, pressing this button unmutes the receiver so activity on the selected channel can be monitored. Press and hold for approximately 3 seconds to toggle conventional channel decoding (Channel Guard, Digital Channel Guard, TAC ON and OFF if programmed for the selected channel).

DIS

Used to show the key ID and whether or not it is valid or available.

SCAN

Toggles scan operation ON and OFF.

A, B, C

Used to store and recall user-selectable parameters.

Radio Keypad Functions (continued)

SYS

Used to enter the System Select mode.

GRP

Used to enter the Group Select mode.

MENU

Secondary function - activates a selected item within a list. Once activated, MENU continues its secondary function for activating a selected parameter setting until the radio returns to its normal receive state.

Radio Keypad Functions

SYS

Used to enter the System Select mode.

# or OPTION

Used to toggle a PC programmable feature ON and OFF.

DTMF keypad function.

* DTMF keypad function.

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Used to enter the Group Select mode.

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### About L3Harris Technologies

L3Harris Technologies is an agile global aerospace and defense technology innovator that meets customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

### Descrption

L3Harris Technologies is an agile global aerospace and defense technology innovator that meets customers’ mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

1. **Alert Tones**

   - **Name**: Alert
   - **Description**: Call queue is unattended and needs an operator to ensure that the channel is busy or unable to complete the call.

2. **System Tones**

   - **System Busy**: Busy (T)
   - **System Busy (T)**: Busy (T)
   - **System Busy** (T): Busy (T)

3. **Carrier Control Timer**

   - **Carrier Control Timer**: No carrier control timers are set.

4. **Key Press**

   - **Key Press**: Alert when a short-low tone sounds when a key has been pressed.

### Alert Tones

<table>
<thead>
<tr>
<th>Place</th>
<th>Tone</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Situ</td>
<td>Busy</td>
<td>Busy (T)</td>
</tr>
<tr>
<td>System</td>
<td>Busy</td>
<td>Busy (T)</td>
</tr>
<tr>
<td>Busy</td>
<td>Busy (T)</td>
<td>Busy (T)</td>
</tr>
<tr>
<td>Call in progress</td>
<td>Busy</td>
<td>Busy (T)</td>
</tr>
<tr>
<td>Call in progress</td>
<td>Busy (T)</td>
<td>Busy (T)</td>
</tr>
<tr>
<td>Busy</td>
<td>Busy (T)</td>
<td>Busy (T)</td>
</tr>
</tbody>
</table>

### Status Messages

<table>
<thead>
<tr>
<th>Name</th>
<th>Message</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONN FS</td>
<td>Connected</td>
<td>Displayed when a failure of the EDACS system occurs.</td>
</tr>
<tr>
<td>T99 ON</td>
<td>T99 Call</td>
<td>Indicates the T99 Feature is enabled.</td>
</tr>
<tr>
<td>T99 OFF</td>
<td>T99 Cancel</td>
<td>Indicates the T99 Feature is disabled.</td>
</tr>
<tr>
<td>PA ON</td>
<td>PA Active</td>
<td>Indicates the public address function of the radio is enabled.</td>
</tr>
<tr>
<td>PA OFF</td>
<td>PA Idle</td>
<td>Indicates the public address function of the radio is disabled.</td>
</tr>
<tr>
<td>TALKRND</td>
<td>Talk Round</td>
<td>Indicates that the external alarm function of the radio is enabled.</td>
</tr>
<tr>
<td>TALKRND</td>
<td>Talk Round</td>
<td>Indicates that the external alarm function of the radio was disabled.</td>
</tr>
<tr>
<td>RX DATA</td>
<td>RX DATA</td>
<td>Indicates that the external alarm function of the radio was disabled.</td>
</tr>
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### Mode

1. **Trunked Mode**

   - **Receive the call**: Press and hold the PTT button to receive a call.

   - **Call in progress**: Radio or group names and perform necessary signaling required to obtain a communication channel.

   - **Call in progress**: Indicates that the call is in progress.

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### Declaring An Emergency

To send an emergency call to the selected system & group:

1. **Press and hold the emergency button for approximately one second.**

2. **The radio sounds a single beep.**

3. **Release PTT and speak into the microphone in a normal voice.**

4. **Release PTT when the transmission is complete and listen for a reply.**

5. **Clear by pressing and holding the CLR button followed by pressing the emergency button then releasing both buttons.**

### Reference

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For a complete list of the XG-75M/M7300 Status Messages, see the technical guide, XG-75M/M7300 Appearance and User's Guide.

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