Radio Controls – User Interface

Power On/Off
Volume Control
- Turn knob clockwise to power on the radio and increase volume.  
- Turn counter-clockwise to decrease volume and power off the radio.

System/Group/Channel Control Knob
- This rotary switch selects the systems or groups/channels, depending on programming.

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

BSY Indicators
- BUSY - ON indicates a carrier is being received (the channel is busy).  
- Indicates selected group or channel is in scan list.

System (top) and Scan (bottom) Front Panels

Figure 1: System (top) and Scan (bottom) Front Panels

Figure 2: XG-75M/M7300 Mobile Radio Display

Figure 2: XG-75M/M7300 Mobile Radio Display

Radio Keypad Functions

CLR or CLEAR
- In Trunked mode, the CLR button exits the current operation 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, TRUNK ON and OFF if programmed for the selected channel).

Used to declare emergencies.  Enabled through programming.

Primary function - accesses the menus list.  This is a list of additional features that are not available directly from the keypad.  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.

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

SCAN
- Toggles scan operation ON and OFF.

OPT
- Used to toggle a PC programmable feature ON and OFF.

SYS
- Used to enter the System Select mode.

OPT
- Used to enter the System Select mode.

PHN
- Used to store and recall user-selectable parameters.

#-9 Keypad numbers.

Radio Keypad Functions

Used to place telephone calls through the radio by selecting the intercom special call function.


NOTICE!

The material contained herein is subject to U.S. export approval. No export or re-export is permitted without written approval from the U.S. Government. See EAR 99: in accordance with U.S. Dept. of Commerce regulations 15CFR734, Export Administration Regulations.

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Chapter 3: Radio Keypad Functions

Radio Keypad Functions

Used to enter the System Select mode.

OPT
- Used to toggle a PC programmable feature ON and OFF.

#-9 Keypad numbers.

Radio Keypad Functions

Used to place telephone calls through the radio by selecting the intercom special call function.


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### ALERTS

#### Trunked Mode

<table>
<thead>
<tr>
<th>NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALL Originate</td>
<td>Call is placed after pressing PTT button. One short mid-pitched tone.</td>
</tr>
<tr>
<td>Auditory (T)</td>
<td>Call is placed after pressing PTT button. One short mid-pitched tone.</td>
</tr>
<tr>
<td>Call Busy (T)</td>
<td>Queue call requested channel assignment.</td>
</tr>
<tr>
<td>Call Busy (Q)</td>
<td>System busy or unable to complete the call. Three low-pitched tones.</td>
</tr>
<tr>
<td>Call Denied (T)</td>
<td>Radio not authorized on the system or group. One low-pitched tone.</td>
</tr>
<tr>
<td>Carrier Control Timer</td>
<td>PTT pressed for too long. Five high-pitched tones and one long low-pitched tone.</td>
</tr>
</tbody>
</table>

#### Key Press Alert

<table>
<thead>
<tr>
<th>NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRUNKED</td>
<td>Trunked mode only. Indicates the system is in the current mode.</td>
</tr>
</tbody>
</table>

### SENDING A CALL

1. Press and hold the PTT button. The radio will display the system and group names and perform the necessary signaling required to obtain a communication channel. Once the radio is communicating, the Busy Lockout feature is enabled for the selected system and group. The display indicates the current conventional system and channel names.

### RECEIVING A CALL

1. The radio will display the system and group names and perform the necessary signaling required to obtain a communication channel. Once the radio is communicating, the Busy Lockout feature is enabled for the selected system and group. The display indicates the current conventional system and channel names.

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### SENDING AN EMERGENCY CALL

1. Press and hold the emergency button for approximately one second. The radio sounds a single beep. *TXEMER* flashes on line 2 in the display until the emergency is cleared.

### RECEIVING AN EMERGENCY CALL

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### SENDING AN EMERGENCY DATA CALL

1. The radio will display the system and group names and perform the necessary signaling required to obtain a communication channel. Once the radio is communicating, the Busy Lockout feature is enabled for the selected system and group. The display indicates the current conventional system and channel names.

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1. The radio will display the system and group names and perform the necessary signaling required to obtain a communication channel. Once the radio is communicating, the Busy Lockout feature is enabled for the selected system and group. The display indicates the current conventional system and channel names.

### SENDING A VOICE CALL

1. The radio will display the system and group names and perform the necessary signaling required to obtain a communication channel. Once the radio is communicating, the Busy Lockout feature is enabled for the selected system and group. The display indicates the current conventional system and channel names.

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