Radio Controls and Indicators

The name of the currently selected radio system appears on the top line of the display, except during menu operations. Also, various messages such as new volume level and transmit power level appear on the top line.

The name of the currently selected group or channel appears on the middle line of the display, except during menu operations.

Operating Controls and Indicators (See Figure 1)

Turn the radio on by rotating this control clockwise out of the detent (‘click’) position. The radio will turn on. Adjust volume as necessary by rotating this control (clockwise increases).

Turn the radio off by rotating this control fully counterclockwise until it returns to the detent position. The radio will turn off.

The name of the currently selected radio system and group/channel are selected. The radio is set to transmit and receive digital voice calls.

The radio is set to transmit and receive analog voice calls.

NOTE!

For detailed operating instructions, refer to the XG-200 Operator’s Manual, publication number 14221-1510-2000.

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Operating Controls and Indicators (See Figure 1)

The selected group/channel is “busy” (i.e., the radio is receiving a call on the indicated group/channel). Functions may vary from radio-to-radio.

Type 99 Signal: Appears when the selected analog channel has Type 99 (T99) signaling enabled.

Low Power Transmit Icon: Appears when the radio is set to transmit in low power mode.

Operating Controls and Indicators (See Figure 1)

OPT Button

Used for various different functions such as locking and unlocking the buttons.

Home/Emergency Button

Based on radio programming, when present, changes the radio to a home radio system and group/channel, or declares an emergency.

Display

Indicates the currently selected radio system and group/channel. Various messages. See Figure 2.

STATUS lOG: Power On/Off/Volume Control

This rotary control selects either radio systems or groups/Channels, depending upon radio programming.

Secondary Function: During menu operations, changes the selected function within a menu list.

Functions may vary per radio programming.

Operating Controls and Indicators (See Figure 1)

OPT Button

The OPT button is used for various different functions such as locking and unlocking the buttons.

Home/Emergency Button

Based on radio programming, when present, changes the radio to a home radio system and group/channel, or declares an emergency.

Display

Indicates the currently selected radio system and group/channel, menu operations, and various messages. See Figure 2.

Microphone Connector

Connect a hand-held mic to this connector by positioning the small notch of the mic’s plug toward the 12 o’clock position at the bottom of the connector, then gently push the plug into the connector. Latch the plug by rotating its locking ring in a clockwise direction.

Operating Controls and Indicators (See Figure 1)

LISTED button functions assume default radio button programming. Functions may vary from radio-to-radio.

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**Cartridge**

<table>
<thead>
<tr>
<th>NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>T90 ON</td>
<td>Type 99 receive decoding is enabled.</td>
</tr>
<tr>
<td>T90 OFF</td>
<td>Type 99 receive decoding is disabled.</td>
</tr>
<tr>
<td><em>TXEMER</em></td>
<td>An emergency call has been transmitted (i.e., declared from the radio).</td>
</tr>
<tr>
<td>EM</td>
<td>An emergency has been declared by the radio ID number that follows in the display. &quot;EM 01001&quot; for example.</td>
</tr>
<tr>
<td>VOL = xx</td>
<td>The current volume level. The volume level ranges from 0 (off) to 15 (full).</td>
</tr>
<tr>
<td>DATA T:</td>
<td>The radio is transmitting/receiving a data call.</td>
</tr>
<tr>
<td>DATA ON</td>
<td>The radio is in the data-enabled state.</td>
</tr>
<tr>
<td>ALRM OFF</td>
<td>The external alarm function of the radio is disabled.</td>
</tr>
</tbody>
</table>

**Display Messages**

<table>
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<tr>
<td>T90 N</td>
<td>Type 99 receive decoding is enabled.</td>
</tr>
<tr>
<td>T90 D</td>
<td>Type 99 receive decoding is disabled.</td>
</tr>
<tr>
<td><em>TXEMER</em></td>
<td>An emergency call has been transmitted (i.e., declared from the radio).</td>
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<tr>
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<td>ALRM OFF</td>
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</tr>
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**T90 ON**

1. When the radio on by rotating the Power On/Off/Volume control clockwise from the detent position.
2. Select the desired trunked radio system. SC CAN (for Control Channel Access) radio is automatically programmed if successfully obtained a trunked system control channel. If this malfunction occurs, select a different trunked radio system within radio range.
3. Select a desired conventional radio system. If the radio is programmed to clear an emergency, clear it by pressing the CLR button. If the radio is programmed to clear an emergency, clear it by pressing the CLR button. After a short time, the radio transmits an emergency call request.
4. When the radio is in the data-enabled state and the call is successful, it is ready for voice transmission. "TBMEX" displays until the emergency call is completed.
5. Press the mic's PTT button and speak into the mic.
6. Press the PTT button and speak into the mic.
7. Release the PTT button when the transmission is complete and the external speaker is muted. Repeat transmitters as necessary.

**T90 OFF**

1. When the radio is to be turned off by rotating the Power On/Off/Volume control counterclockwise from the detent position.
2. Select the desired trunked radio system. SC CAN (for Control Channel Access) radio is automatically programmed if successfully obtained a trunked system control channel. If this malfunction occurs, select a different trunked radio system within radio range.
3. Select a desired conventional radio system. If the radio is programmed to clear an emergency, clear it by pressing the CLR button. After a short time, the radio transmits an emergency call request.
4. When the radio is in the data-enabled state and the call is successful, it is ready for voice transmission. "TBMEX" displays until the emergency call is completed.
5. Press the mic's PTT button and speak into the mic.
6. Press the PTT button and speak into the mic.
7. Release the PTT button when the transmission is complete and the external speaker is muted. Repeat transmitters as necessary.

**Receiving a Call on a Group**

1. When the group is clear (i.e., call is being received on it), press the PTT button to declare from the radio. If the system status icon appears at the bottom of the display and the radio performs an alert tone for the initial call on the channel (i.e., communication radio channel) for the voice transmission.
2. Select a desired conventional radio system and channel. If the system status icon appears at the bottom of the display and the radio performs an alert tone for the initial call on the channel (i.e., communication radio channel) for the voice transmission.
3. When the channel is assigned by the radio system, the Talkaround indicator light green and the Call Alert tone (1 short mid-pitched tone) sounds to indicate it is OK to begin speaking to the microphone. If the Talkaround indicator light green is being received, the system may be busy and the call request has been placed in queue or the request has been denied for some reason.
4. Hold the microphone approximately 2 inches from the mouth and speak into the microphone at a normal voice level.
5. The radio is in the data-enabled state. |

**transmitting a call on a channel**

1. When the radio is to receive calls on the desired conventional radio system.
2. When the group is clear (i.e., call is being received on it), press the PTT button to declare from the radio. If the system status icon appears at the bottom of the display and the radio performs an alert tone for the initial call on the channel (i.e., communication radio channel) for the voice transmission.
3. When the channel is assigned by the radio system, the Talkaround indicator light green and the Call Alert tone (1 short mid-pitched tone) sounds to indicate it is OK to begin speaking to the microphone. If the Talkaround indicator light green is being received, the system may be busy and the call request has been placed in queue or the request has been denied for some reason.
4. Hold the microphone approximately 2 inches from the mouth and speak into the microphone at a normal voice level.
5. The radio is in the data-enabled state. |

**transmitting a call on a channel**

1. When the radio is to receive calls on the desired conventional radio system.
2. When the group is clear (i.e., call is being received on it), press the PTT button to declare from the radio. If the system status icon appears at the bottom of the display and the radio performs an alert tone for the initial call on the channel (i.e., communication radio channel) for the voice transmission.
3. When the channel is assigned by the radio system, the Talkaround indicator light green and the Call Alert tone (1 short mid-pitched tone) sounds to indicate it is OK to begin speaking to the microphone. If the Talkaround indicator light green is being received, the system may be busy and the call request has been placed in queue or the request has been denied for some reason.
4. Hold the microphone approximately 2 inches from the mouth and speak into the microphone at a normal voice level.
5. The radio is in the data-enabled state. |

**transmitting a call on a channel**

1. When the radio is to receive calls on the desired conventional radio system.
2. When the group is clear (i.e., call is being received on it), press the PTT button to declare from the radio. If the system status icon appears at the bottom of the display and the radio performs an alert tone for the initial call on the channel (i.e., communication radio channel) for the voice transmission.
3. When the channel is assigned by the radio system, the Talkaround indicator light green and the Call Alert tone (1 short mid-pitched tone) sounds to indicate it is OK to begin speaking to the microphone. If the Talkaround indicator light green is being received, the system may be busy and the call request has been placed in queue or the request has been denied for some reason.
4. Hold the microphone approximately 2 inches from the mouth and speak into the microphone at a normal voice level.
5. The radio is in the data-enabled state. |

**transmitting a call on a channel**

1. When the radio is to receive calls on the desired conventional radio system.
2. When the group is clear (i.e., call is being received on it), press the PTT button to declare from the radio. If the system status icon appears at the bottom of the display and the radio performs an alert tone for the initial call on the channel (i.e., communication radio channel) for the voice transmission.
3. When the channel is assigned by the radio system, the Talkaround indicator light green and the Call Alert tone (1 short mid-pitched tone) sounds to indicate it is OK to begin speaking to the microphone. If the Talkaround indicator light green is being received, the system may be busy and the call request has been placed in queue or the request has been denied for some reason.
4. Hold the microphone approximately 2 inches from the mouth and speak into the microphone at a normal voice level.
5. The radio is in the data-enabled state. |