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Quick Guide
14221-1100-1010
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XG-75 Portable Radios
EDACS®, Conventional, P25

XG-75 Radio Controls

Top View	Side View
POWER ON-OFF/ VOLUME CONTROL KNOB — ANTENNA — SYSTEM/GROUP/ CHANNEL CONTROL KNOB — TRI-COLOR LED — A/B SWITCH — EMERGENCY BUTTON	Option Button — Clear/Monitor Button (Option Button 2) — Push-To-Talk (PTT) Button

Power On-Off/Volume Control Knob	Rotate clockwise to apply power to the radio and increase the volume. Rotate counter-clockwise to decrease volume and power off radio.
System/Group/Channel Control Knob	A 16 position rotary knob for selecting systems or groups/channels (set during programming).
Emergency/Home Button	Pre-programmed to declare an emergency or select a pre-set Home group/system. One or the other can be assigned to this button.
PTT Button	The PTT button is pressed to transmit.
Option Button ○	Pre-programmed to activate one software option.
Clear/Monitor Button ⊘ (Option Button 2)	Trunked mode: Used to exit the current operation and terminate special calls. Conventional mode: Used to monitor channels and temporarily remove Channel Guard decoding from a channel.
A/B Switch	Pre-programmed to choose between 2 software options.

XG-75 Radio Keypad Functions

Multi-Mode   Multi-Mode

Locking/Unlocking Keypad
1. Press the [M] button.
2. Within 1 second, press the Option button ○ on the side of the radio.

[▲] [▼]	Selects systems, groups, or channels. Secondary Function: Changes the selection for an item within a list.
[M]	Accesses the pre-stored menu. Secondary Function: Activates a selected item within a list. (Similar to an "Enter" key.)
[A/D]	(Scan Model) Adds/Deletes selected groups or channels from SCAN list of the currently selected system.
[SCN]	(Scan Model) Toggles SCAN operation ON and OFF.
[OPT]	(Scan Model) Activates one of any programmable software options selected during the PC programming, including: high/low TX power and talkaround.

XG-75 Radio Keypad Functions (cont'd)

1 SYS	(System Model) Selects a specific system.
2 GRP ABC	(System Model) Selects a specific group.
3 SCN DEF	(System Model) Toggles SCAN operation on and off.
4 PVT GHI	(System Model) Enables Private mode for the system/group/channel displayed.
6 ADD MNO	(System Model) Adds groups or channels from the currently selected system to the SCAN list.
7 STS PQRS	(System Model) Accesses the status list (0-9). The Status key permits the transmission of a pre-programmed status message to an EDACS or P25 site.
8 MSG TUV	(System Model) Accesses the message list (0-9). The Message key permits the transmission of a pre-programmed message to an EDACS or P25 site.
9 DEL WXYZ	(System Model) Deletes a selected group or channel from the SCAN list of the currently selected system.
* PHN	(System Model) Initiates telephone interconnect calls.
# IND	(System Model) Initiates individual (unit-to-unit) calls.
1 – 9 * 0 #	(System Model) Keys used to place telephone interconnect and individual (unit-to-unit) calls. Functions as a telephone keypad.

XG-75 Alert Tones

(T) = trunked only (B) = both trunked and conv modes	
Ready-to-Talk (B)	One short mid-pitched tone. OK to talk after pressing PTT button.
Call Queued (T)	One high-pitched tone. Call queued for processing.
Autokey (T)	One mid-pitched tone. Queued call received channel assignment.
System Busy (T)	Three low-pitched tones. System busy or unable to complete the call.
Call Denied (T)	One low-pitched tone. Radio not authorized on the system or group.
Carrier Control Timer (B)	Five high-pitched tones and one long low-pitched tone. PTT pressed for too long.
Low Battery (B)	One low-pitched and one short mid-pitched tone. Low battery. Replace battery immediately.
TX Low Battery Alert (B)	Transmit Lockout: One low-pitched tone after PTT. Battery too low to transmit.

Attach Battery Pack

1. Align the tabs at each side on the bottom of the battery pack with the slots at the bottom of the battery cavity.
2. Push the top of the battery pack down until the latches click to attach the battery to the radio.
3. Tug gently to verify that the latches are secure and the battery pack is properly attached to the radio.

Remove Battery Pack

1. Pull both latches on either side of the battery pack toward the bottom of the radio simultaneously.
2. Pull the battery away from the radio.
3. Remove the battery pack from the radio.

XG-75 Display and Status Icons

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SYSTEM/CHANNEL
GROUP
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Icon	Description
	Radio is transmitting.
	Radio is transmitting/receiving a call, call is queued.
	T99 Mode is enabled.
	Channel Guard (CG) enabled.
F	EDACS trunked system is in Failsoft™ mode.
	Selected group/channel set at low power TX. If icon is not visible, TX at high power.
	Radio is transmitting or receiving an encrypted call.
	Selected talk group/channel is operating in P25, ProVoice, or analog conventional mode.
	Rotating clockwise – scan mode enabled.
I / II / III	Selected talk group/channel is a Priority 1, 2, or "in the scan list." The talk group or channel isn't in the scan list if a priority icon isn't associated with it.
C	Special call select/entry mode (Individual or Telephone Interconnect).
	Gauges approximate battery voltage level. "Empty" indicates low battery.
	Noise cancelling is enabled.

XG-75 Radio Status Messages

Message	Description
CC SCAN	Control Channel Scan mode - Trunked mode only. Control channel lost, searching for a control channel.
WA SCAN	Wide Area Scan mode - Trunked mode only. Radio searching for a new system.
TALKARND	Talkaround mode - Conventional mode only. Radio operating unit-to-unit.
SYSC ON	System Scan Features On - Trunked mode only.
SYSC OFF	System Scan Features Off - Trunked mode only.
LOW BATT	Low Battery - Battery charge too low to transmit.
RXEMER	Receive Emergency - Trunked mode only. Indicates an emergency call is being received. This message will be flashing on line two.
TXEMER	Transmit Emergency - Trunked mode only. Indicates an emergency call has been transmitted on this radio. This message will be flashing on line two.
WHC	Who Has Called - Trunked mode only. Missed Individual call.
UNKNOWN	Unknown ID - Trunked mode only. Individual call being received from an unknown ID.
QUEUED	Call Queued - Trunked mode only. Indicates the system has placed the call in a request queue.
SYS BUSY	System Busy - Trunked mode only. System is busy, no channels available, queue is full, or individual call being made to radio already receiving a call.
DENIED	Call Denied - Trunked mode only. Radio or group not authorized on selected system or group.

Menu

The menu **M** key allows access to features that are not available from the keypad.

1. Press the **M** key to enter menu mode.
2. Use the **▲** or **▼** button to scroll through the available menu items.
3. Press the **M** key again to select the item.
4. Depending upon the item selected, further scrolling using the **▲** or **▼** button may be required.
5. Press the **M** key again to return to the active display.

Trunked Mode

Transmit a Group Call

1. Select the group.
2. Press the PTT button and speak normally while holding the microphone approximately two inches from your mouth.
3. Release the PTT button when finished speaking and wait for a reply.

Receive a Group Call

1. Listen to the call.
2. The Group name or "GRxxxx" appears in the display to indicate a call is being received.
3. Press the PTT button and speak normally while holding the microphone approximately two inches from your mouth.
4. Release the PTT button when finished speaking and wait for a reply.

Trunked Mode (cont'd)

Transmit an Individual Call (System Model)

1. Press the **#IND** button to access individual call list. C appears.
2. Use the **▲** or **▼** button to scroll through the individual call list or enter the **L**ogical **ID** (LID) number from keypad.
3. Press the PTT button and speak normally while holding the microphone approximately two inches from your mouth.
4. Release the PTT button when finished speaking and wait for a reply.

Receive an Individual Call (System Model)

1. Receive audio sounds when a call is received and the display reads: `ID xxxxx *INDV*`
2. Press and hold the PTT button to respond. Radio continues to ring until PTT is pressed or originating radio disconnects.
3. If call is cleared with no response, the radio stores the ID in **W**ho **H**as **C**alled (WHC) list and display: `*WHC*.`
4. Press the **#IND** key to display ID. Press PTT button to return call or press Monitor/Clear button to clear `*WHC*`.

Transmit a Telephone Interconnect Call (System Model)

1. Press the ***PHN** button to access phone call list. C appears.
2. Follow Steps 2 through 4 in "Transmit an Individual Call" above.

Receive a Telephone Interconnect Call (System Model)

1. Receive audio sounds when a call is received and the display reads: `*PHONE*.`
2. Follow Steps 2 through 4 for "Receive an Individual Call."

Conventional Mode

Transmit a Call

1. Select the conventional system and channel.
2. Press the Monitor/Clear button briefly. If audio is heard or is illuminated, then the channel is busy.
3. When the channel becomes available, press the PTT button and speak normally while holding the microphone approximately two inches from your mouth.
4. Release the PTT button when finished speaking and wait for a reply.

Receive a Call

1. Select a conventional system and channel or turn Scan on and make sure desired channel is in Scan list.
2. When the radio receives a call, the radio unmutes and the channel name or number appears in the display.

Declare an Emergency

1. Press and hold the red Emergency/Home button.
2. and are illuminated in the display and `*TXEMER*` flashes in the display. After 2-3 seconds, turns off.
3. `*TXEMER*` and remain illuminated in the display until the emergency is cleared.
4. Press the PTT button and reappears. Speak normally.
5. Release the PTT button when transmission is complete. Press and hold the Clear/Monitor button, then simultaneously press the emergency button to clear an emergency (if enabled through programming).

For more detailed operating information and a list of options and accessories, refer to Operator's Manual 14221-1100-2010, available online at www.pspc.harris.com.