XG-15P
Portable Radios

HARRIS® TECHNOLOGY TO CONNECT, INFORM AND PROTECT™

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Radio Controls

Top View	Side View

Power On-Off/Volume Knob	Rotate clockwise to apply power to the radio and increase the volume. Rotate counter-clockwise to decrease volume and power off radio.
Voice Group Selection Knob	A 16 position rotary knob for selecting systems or groups/channels (set during programming).
Emergency/ Home Button	Programmed to declare an emergency or select a pre-set **Home** group/system. Either one 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	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.

Radio Keypad Functions

Locking/Unlocking Keypad
1. Press the ▣M button.
2. Within 1 second, press 〇 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).
1 SYS	Selects a specific system.
2 GRP ABC	Selects a specific group.
3 SCN DEF	Toggles SCAN operation on and off.
4 PVT GHI	Enables or disables Private Mode for the system/group/channel displayed.
6 ADD MNO	Adds groups or channels from the currently selected system to the scan list.
7 STS PQRS	Accesses the status list (0-9). The Status key permits the transmission of a pre-programmed status message to a trunked site.

Radio Keypad Functions (continued)

8 MSG TUV	Accesses the message list (0-9). The Message key permits the transmission of a pre-programmed message to a trunked site.
9 DEL WXYZ	Deletes a selected group or channel from the SCAN list of the currently selected system.
* PHN	Initiates telephone interconnect calls.
# IND	Initiates individual (unit-to-unit) calls.
1 – 9 * 0 #	Keys used to place telephone interconnect and individual (unit-to-unit) calls. Functions as a telephone keypad.

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.

Display and Status Icons

Icon	Description
⬆	Radio is transmitting.
⌄	Radio is transmitting/receiving a call. Flashing – call has been queued.
⬇	T99 Mode enabled.
⬆	Channel Guard (CG) enabled.
F	Steady – Trunked system in Failsoft™ mode.
↓	Selected group/channel is set at low power TX. If icon is not visible, TX is at high power.
⬆	Radio is transmitting an encrypted message. Flashing indicates an incoming encrypted call.
⬆	Selected talk group/channel is operating in Project 25 or Analog mode.
▶	On (animated) – Scan mode enabled. On (steady) – Scan temporarily disabled (Priority Scan status icon *is* present). Off – Scan temporarily disabled (Priority Scan status icon *is not* present).
I II III	Selected talk group/channel is a Priority 1, 2, or "in the scan list." The talk group or channel is not in the scan list if a priority icon is not associated with it.
C	Special call select/entry mode (Individual or Telephone Interconnect).
🔋	Gauges approximate battery voltage level. Flashing "empty" indicates low battery.
⬜	Flashing – Low battery.
Ψ	Flashing – Acquiring GPS satellites. Steady – GPS satellites have been acquired.

Battery Pack

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.

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Radio Status Messages

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 and P25 modes only. Indicates an emergency call is being received. This message will be flashing on line two.
TXEMER	Transmit Emergency – Trunked and P25 modes only. Indicates an emergency call has been transmitted on this radio. This message will be flashing on line two.
WHC	Who Has Called – Trunked and P25 modes only. Missed Individual call.
UNKNOWN	Unknown ID – Trunked and P25 modes 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

Transmitting a Group Call

1. Select the group.
2. Press the PTT button and speak into the microphone. For maximum clarity, hold the radio approximately 2 inches from your mouth.
3. Release the PTT button when finished and wait for reply.

Receiving a Group Call

1. The Group name or "GRxxxx" appears in the display to indicate a call is being received.
2. Press PTT button and speak into the microphone.

Transmitting an Individual Call

1. Press the [# IND] button to access individual call list. [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 into the microphone.
4. Release the PTT button when finished and wait for a reply.

Trunked Mode (continued)

Receiving an Individual Call

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 will continue to ring until PTT is pressed or originating radio disconnects.
3. If call is cleared with no response, the radio will store the ID in **W**ho **H**as **C**alled (WHC) list and display: *WHC*.
4. Press the [# IND] key to display ID. Press the PTT button to return call or press Monitor/Clear button to clear *WHC*.

Transmitting a Telephone Interconnect Call

1. Press the [* PHN] button to access phone call list. [appears.
2. Follow steps 2 through 4 in "Transmitting an Individual Call" above.

Receiving a Telephone Interconnect Call

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

Conventional Mode

Transmitting a Call

1. Select the conventional system and channel.
2. Press the Monitor/Clear button briefly. If audio is heard or ▼ is lit, then the channel is busy.
3. When the channel becomes available, press the PTT button and speak into the microphone. For maximum clarity, hold the radio approximately 2 inches from your mouth.
4. Release the PTT button when finished and wait for reply.

Receiving 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.

Declaring an Emergency

1. Press and hold the red Emergency/Home button.
2. ▼ and ⌖ appears in the display and *TXEMER* flashes in the display. After 2-3 seconds, ⌖ turns off.
3. *TXEMER* and ▼ remain 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 the Operator's Manual, 14221-1450-2000, available online at www.pspc.harris.com.