

## Quick Guide

14221-1500-1010

Rev. B, July 2020



OpenSky® XG-25P  
Portable Radios



**L3HARRIS™**  
FAST. FORWARD.

Keypad Functions	
<b>Locking/Unlocking Keypad</b> <ol style="list-style-type: none"><li>Press the <b>M</b> button.</li><li>Within 1 second, press <b>O</b> on the side of the radio.</li></ol>	
<b>M</b>	Activates a selected item within a list, similar to an "Enter" key. While in "Dwell Display," press repeatedly to scroll through and view status display (on 2 <sup>nd</sup> line) for current profile, caller, received voice group, and channel.
<b>▲ ▼</b>	Scrolls through available menu items.
<b>0 – 9</b>	(System Model Only) Used to place telephone interconnect and individual calls; functions as a telephone keypad. Also used to enter passwords for logging into the OpenSky network. Additional functions are also available, such as speed dial, quick access to V-TAC, voice scanning, and Stealth mode operation.
<b>* PIN</b>	(System Model Only) * Initiates log in, log out, selective call, telephone interconnect call, etc. Also acts as an escape button or a backspace that clears everything, not just the last digit/character.
<b># PND</b>	(System Model Only) # Used in conjunction with alpha-numeric keys for passwords and OpenSky functions.
<b>A/D</b>	(Scan Model Only) Currently undefined.
<b>SCN</b>	(Scan Model Only) Toggles SCAN function on and off.
<b>OPT</b>	(Scan Model Only) Currently undefined.

Radio Controls	
<b>Top View</b> 	<b>Side View</b> 
Power-On/Off-Volume Knob	Applies power to the radio and adjusts the volume.
Voice Group Selection Knob	A 16 position rotary knob for selecting voice groups.
Emergency Button	Pre-programmed to declare an emergency.
PTT Button	The PTT button is pressed to transmit.
Option Buttons	Navigates through available items within a sub-menu.
System Model Quick Buttons	
<b>1#</b>	Transition from OTP to ECP.
<b>2#</b>	Toggle Stealth mode on/off.
<b>3#</b>	Toggle Scan mode on/off.
<b>4#</b>	Toggle brightness, side tones, and tri-color LED on/off.
<b>5#</b>	Sets the current active profile to the default profile in the personality as defined in the UAS.
<b>6#</b>	V-TAC XCOV, XCOV-TG, and XCOV-Prof Attach/Detach.
<b>7#</b>	TX the RTT Automatic Normal Message to the console.
<b>8#</b>	TX the RTT Automatic Priority Message to the console.

Alert Tones	
Call Queued	1 low tone/2 high tones. Call queued for processing.
Call Denied	3 short tones. Radio is out of coverage area or requested voice group is active.
Grant (or Go-Ahead)	Single short beep. Resources have become available for a call request placed in the queue (if enabled) upon channel access.
Call Removed	Single long low-pitched tone. Notifies the user access to the channel has been lost.
Low Battery	1 low-pitched/1 short mid-pitched.
Selective Alert	4 short tones. Played once to indicate a selective alert has been received.
Emergency Alert	3 long beeps. Sounds when an emergency alert is declared or received.
Emergency Cleared	Single long low-pitched tone. Sounds when an emergency is cleared.
Selective Call	Ring tone. Repeated every 4 seconds until the call is accepted or rejected by the radio being called, or until the network drops the call if unanswered after one minute.
Out-of-Range	Configurable. Typical: 3 brief tones that repeat every 15 seconds when the radio does not have consistent sync.
Roam	2 short tones: 1 high-pitched and 1 low-pitched. Sounds when the radio transitions from one radio base station site to another while transmitting voice.
Priority Bump	Single medium tone. Current received call preempted by higher priority call.
XCOV Connect/Disconnect	3 short high pitched tones. Radio has connected/disconnected to/from the V-TAC.
Site Found/Not Found	3 short high pitched tones. Sounds when selected Site is found or not found using Site Lock menu.
Man Down	1 long low tone/1 short high tone. A Man Down accessory is connected to the radio's UDC port and the radio is a horizontal.

## Battery Pack

### Attach Battery Pack



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

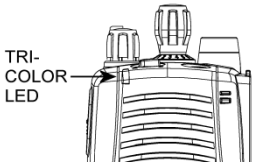
### Remove Battery Pack



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

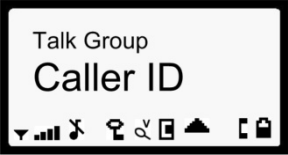







## Scan Modes





Scan Mode	Explanation
No Scan	Full communications with selected voice group. No calls received from other voice groups.
Normal (Default)	The user can scan all voice groups in the active profile that are not locked out as long as there is demand on the site. See Operator manual for more information.
Fixed	Functions the same as Normal Scan Mode, except the priority groups are fixed to the selected profile's pre-defined P1 and P2 groups (configured via the UAS).

Tri-Color LED	
	
Green	Receiving
Red	Transmitting
Orange	Flashing rapidly: the radio is receiving an emergency call. Flashing every ½ second: the selected voice group is in the emergency state (not transmitting). If the selected voice group is in the emergency state, an asterisk is next to the voice group name.
Keypad Functions	
*0	<b>Log-off command:</b> *0## (logs the user off the system).
*1	<b>Log-in command:</b> *1<User ID> # <Password> ## (required for encryption).
*2	<b>Status Message:</b> *2 <0...9> #.
*4	<b>Enter Scene of Incident (SOI) Mode:</b> *4#<ccc>#<bb># where ccc is the SOI channel number and bb is the number assigned to each frequency band. Press *40# to exit SOI mode.
*5	<b>RTT Message:</b> *5 <0...9> #.
*7	<b>Initiate Selective Alert command:</b> *7<Target ID>#(Choose Message)#
*8	<b>Radio-to-Radio Call command:</b> *8<Selective call number>#(PTT to dial)






**About L3Harris Technologies**

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Keypad Functions (cont’d)	
*9	<b>Public Switched Telephone Network (PSTN) Call command:</b> *9 <telephone number>#
*32	<b>Begin Manual Encryption command:</b> *32<Pre-determined Encryption Key, DES encryption up to 16 digits or AES encryption between 17-32 digits>#
*33	<b>End Manual Encryption command:</b> *33#
*61	<b>Initiate XCOV VTAC Mode command:</b> *61# Extended coverage for individual users.
*62	<b>Initiate XCOV-TG VTAC Mode command:</b> *62# Extended coverage for voice groups.
*63	<b>Initiate XCOV-Prof VTAC Mode command:</b> *63# Extended coverage for profiles.
*60	<b>Exit XCOV Mode command:</b> *60# Exits VTAC modes. Returns to normal mode.
Display and Status Icons	
	
	<b>Steady</b> – Radio is data registered.
	<b>Steady</b> – Received Signal Strength Indicator (RSSI).
	<b>Steady</b> – Stealth mode is enabled (all tones and display backlight disabled, voice is still heard).
	<b>Steady</b> - Radio is transmitting or receiving a manual or OTAR (Network) encrypted call.
	<b>Animated</b> - Indicates the radio is scanning for a VTAC during XCOV or XCOV-TG mode.
	<b>Steady</b> - Indicates the client is connected to a VTAC.
	<b>Steady</b> - Indicates Voice Scan mode is Normal or Fixed; not displayed when Voice Scan mode is No Scan.

Display and Status Icons (continued)	
	<b>Steady</b> - Indicates Selective Call mode.
	<b>Steady</b> – Battery charge indicator.
	<b>Flashing</b> – Low battery indicator.
	<b>Flashing</b> – Bluetooth® enabled, but no accessory connected. <b>Steady</b> – Radio is connected to a Bluetooth accessory.

**Changing the Active Profile**

- Press the  or  button until “ProfileMenu” is displayed.
- Use  or  to scroll through the list of available profiles.
- Press  to activate the selected profile.

**Changing the Selected Voice Group**

Each profile stored in the radio can have up to sixteen (16) voice groups. One voice group within the currently active profile is set as the “selected voice group.” To change the selected voice group, turn the Group Selection knob on top of the radio to select desired voice group.

**Transmitting a Voice Call**

- Select the desired voice group.
- Depress and hold the **PTT** button; wait a couple of seconds. If programmed by the administrator, a grant tone sounds.
- Begin speaking into the microphone in a normal voice.  
  
For maximum clarity, hold the radio approximately two (2) inches from your mouth. Take care not to cover up the microphone while speaking.
- Release the **PTT** button to terminate an outgoing voice call.

**Receiving a Voice Call**

No action is required on the part of the user.

The caller's alias is only shown when the selected voice group matches the received voice group. Otherwise, the name of the received voice group is displayed.

**Transmitting a Selective Call**

**Selective Call Dialing Manually**





- Enter \*8, the User ID number of the user being called, and the # key (no dashes or spaces). (This feature must be enabled by the administrator.)

\*8<destination user id>#






A shortened User ID number can be dialed using the following guidelines:

- If the radio being called is in the same region and agency, enter only the last four digits.
  - If the radio being called is in the same region, but a different agency, enter the last seven digits.
  - If the radio being called is in another region or if the area is unknown, enter all ten digits.
- Press PTT (and release) to ring the other user.

**Selective Call Using Speed Dial**



- Scroll through the Menu options using the  or  button until “Speed Dial” appears in the second line of the display.
- Using the  or  keys, scroll through the pre-programmed speed-dial numbers until the desired number appears in the display and press the PTT button.

**Receiving a Selective Call**

Press the , , or  button to accept the incoming Selective Call. Press the  button, the  key, or turn the Voice Group Selector Control knob to reject the incoming call.

*For more detailed operating instructions and a list of options and accessories, refer to the operator's manual 14221-1500-2000 (available online at [www.pspc.harris.com](http://www.pspc.harris.com)).*


**Terminating a Selective Call**

Terminate a Selective Call by pressing the  button or the  key, or turn the Voice Group Selector Control knob. “HANGUP” will appear in the display followed by the active voice group.

**Declaring an Emergency**

- Press the red emergency button on the radio to enter emergency mode. Emergency is raised after the Emergency Raise Delay (default is 1 second).
- The microphone is hot (open mic) for a programmed amount of time in order to send your voice out on the emergency voice group.
- All of the radios in the emergency voice group hear your call and see the emergency voice group displayed on their radios.





**Clearing an Emergency**

If enabled via programming, clear an emergency by pressing and holding the  button then pressing and holding the red emergency button on the top of the radio simultaneously. Release both buttons when the Emergency Cleared Tone sounds.

**Stealth Mode**

**System Model Radio Only:** Press 2 and # to toggle Stealth Mode ON and OFF.

**Stealth Menu Method:**

- Press the  or  button to scroll through menus until “StealthMenu” appears in the display.
- Press the  or  button once to activate Stealth Mode, exit the Stealth Menu, and return to the Dwell Display. The display lights, indicator lights, and side tones are disabled.
- Press any key to disable Stealth Mode.

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