Quick Guide

14221-1100-1000

Rev. F, July 2020

OpenSky® XG-75P/XG-75Pe
Portable Radios

Radio Keypad Functions

Locking/Unlocking Keypad

1. Press the [M] button.
2. Within 1 second, press ◯ on the side of the radio.

[M]	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 2nd line) for current profile, caller, received voice group, and channel.
[▲] [▼]	Scrolls through available menu items.
0 – 9	(System Model Only) Used to enter alpha-numeric passwords, place telephone interconnect and individual (unit-to-unit) calls, speed dial, quick access V-TAC functions, voice scanning, and Stealth mode operation.
[* PHN]	(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.
[# IND]	(System Model Only) Used in conjunction with alpha-numeric keys for passwords and OpenSky functions.
[A/D]	(Scan Model Only) Currently undefined.
[SCN]	(Scan Model Only) Toggles SCAN function On and Off.
[OPT]	(Scan Model Only) Currently undefined.

Quick Buttons

1#	Transition from OTP to ECP mode.
2#	Toggle Stealth mode On/Off.
3#	Toggle Scan mode On/Off.
4#	Toggle Lights/Side Tones On/Off.
5#	Set the current active profile to the default profile in the personality as defined in the UAS.
6#	XCOV and XCOV-TG Attach/Detach.
7#	Transmit the RTT Automatic Normal Message to the console.
8#	Transmit the RTT Automatic Priority Message to the console.

Radio Controls

Top View — POWER ON-OFF/VOLUME CONTROL KNOB, SYSTEM/GROUP/CHANNEL CONTROL KNOB, ANTENNA, TRI-COLOR LED, A/B or A/B/C SWITCH, EMERGENCY BUTTON

Side View — Option Button 1, Option Button 2, PTT Button

Power-On/Off-Volume Knob	Applies power to the radio and adjusts the volume.
System/Group/Channel Knob	A 16 position rotary knob for selecting talk 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.
A/B Switch Or A/B/C Switch	Can be configured for variety of functions. Refer to the operator manual for more information. Note: A/B/C switch only available on XG-75Pe models.

Alert Tones

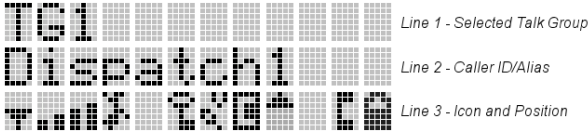|	
Call Queued	1 low tone/2 high tones - call is queued for processing.
Grant (or Go-Ahead)	1 short beep is sounded when resources become available for a call request placed in the queue (if enabled) upon channel access. If the radio roams to a second site while transmitting, it will auto rekey and begin transmitting on the second tower. The radio sounds a second grant tone to let the user know they have roamed.

Alert Tones (Continued)

|	
Call Denied	3 short tones - radio is out of coverage area or the requested talk group is active.
Call Removed	1 long low-pitched tone - access to the channel has been lost (out of coverage area or preempted by higher-priority call).
Low Battery	1 low-pitched tone/1 short mid-pitched tone. Low battery.
Selective Alert Received	4 short tones - selective alert has been received.
Emergency Alert	3 short beeps - an emergency alert declared.
Emergency Cleared	Single long low-pitched tone - emergency cleared.
Selective Call Ring	A ringing tone similar to a telephone - 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 1 minute.
Roam	2 short tones, 1 high-pitched and 1 low-pitched. Sounds when the radio transitions from one base station to another while transmitting voice.
Out-of-Range	Configurable. Typical: 3 brief tones "chirps" that repeat every 15 seconds when the radio does not have consistent sync.
Priority Bump	Single medium mid-pitched tone - current received call preempted by a higher priority call.
XCOV Connect or Site Found	Three short high-pitched tones - radio connected to a V-TAC, or the selected site is found using the Site Lock Menu.
XCOV Disconnect or Site Not Found	Three short high-pitched tones - radio disconnected from a V-TAC, or the selected site is not found using the Site Lock Menu.
Man Down	Single long low-pitch tone followed by a single short high-pitched tone - the man down accessory is connected to the radio's UDC port and the radio is horizontal.

Battery Packs

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.

Scan Modes

| Scan Mode	Explanation
No Scan	Full communications (listen and talk) with the selected talk group. No calls received from other talk groups.
Normal	The user can scan all talk groups in the active profile that are not locked out as long as there is demand on the site. Priority (P1, P2, and P3) groups are user selectable. Receive calls from more than one talk group, if available from the current site. Allows dragging of the selected talk group, P1, P2, P3 and emergency talk group (in emergency state) to the site on which the radio is registered. The default emergency talk group, as well as any emergency-enabled talk groups, is only dragged if it is in emergency mode.
Fixed	Functions same as Normal Scan Mode, except priority groups are fixed to the selected profile's P1 and P2 groups (configured via the UAS).

Tri-Color LED

Tri-Color LED

Green	Receiving
Red	Transmitting
Orange	Flashing rapidly, the radio is receiving an emergency call. Flashing every ½ second, the selected talk group is in the emergency state (not transmitting). If the selected talk group is in the emergency state, an asterisk is next to the talk group name.

Keypad Functions

*0	**Log-off command:** *0## (logs the user off the system).
*1	**Log-in command:** *1<User ID> # <Password> # (required for encryption).
*2	**Status Message:** *2 <0...9> #.
*4	**Enter Scene of Incident (SOI) Mode:** *4#<Chan>#<Band># where Chan is the channel number being used as a SOI repeater and band is the number assigned to each frequency band. Press *40# to exit SOI mode.
*5	**RTT Message:** *5 <0...9> #.
*7	**Initiate Selective Alert command:** *7<Target ID>#[Choose Message]#
*8	**Radio-to-Radio Call command:** *8<Selective call number>#(PTT to dial)
*9	**Public Switched Telephone Network (PSTN) Call command:** *9 <telephone number>#
*32	**Begin Manual Encryption command:** *32<Pre-determined Encryption Key of up to 16 digits>#

About L3Harris Technologies

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

Keypad Functions (Continued)

*33	**End Manual Encryption command:** *33# Radio displays "Unsecure" to indicate manual encryption has ended.
*61	**Initiate XCOV Mode command:** *61# Extended coverage for individual users.
*62	**Initiate XCOV-TG Mode command:** *62# Extended coverage for talk groups.
*63	**Initiate XCOV-PROF Mode command:** *63#.
*60	**Exit XCOV Mode command:** *60# Returns to the Network mode.

Display & Status Icons

Line 1 - Selected Talk Group
Line 2 - Caller ID/Alias
Line 3 - Icon and Position

	Steady - Radio is data registered.
	Steady - **R**eceived **S**ignal **S**trength **I**ndicator (**RSSI**).
	Steady - Stealth mode is enabled (all tones and display backlight disabled, voice is still heard).
	Steady - Radio is transmitting or receiving a manual or OTAR (Network) encrypted call.
	Animated - Indicates the radio is scanning for a V-TAC during XCOV or XCOV-TG mode.
	Steady - Indicates the client is connected to a V-TAC.
	Steady - Displayed when Scan Mode is Normal or Fixed.
	Steady - Indicates Selective Call mode.
	Steady - Battery charge indicator.
	Flashing - Low battery indicator.

Changing Operating Mode

Method 1:
1. Press the ▲ or ▼ to cycle through the menu until "App Mode" is displayed.
2. Press O or ☺ to choose an available mode. Press M and O or ☺ to confirm (Y/N).
3. Press M button to confirm.

Method 2:
Quick button combination 1# will transition the radio from OTP mode to ECP mode. If ECP software is not loaded in the radio, "No App" appears in the radio display.

Method 3:
The A/B or A/B/C switch can be configured to change mode.

Changing the Active Profile

1. Press the ▲ or ▼ button until "ProfileMenu" is displayed.
2. Use O or ☺ to scroll through the list of available profiles.
3. Press M to activate the selected profile.

Changing the Selected Talk Group

Turn the Group Selection knob on top of the radio to select the desired talk group or use the Talk Group selection menu.

Transmitting a Voice Call

1. Select the desired talk group.
2. Depress and hold the **PTT** button; wait a couple of seconds. If programmed by the administrator, a grant tone will be sounded.
3. 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 the microphone while speaking.
4. Release the **PTT** button when finished speaking.

Receiving a Voice Call

No action is required on the part of the user. A radio receiving a System All Call displays "All Call" instead of the alias. A radio not transmitting on a talk group in emergency status will drop all other calls to scan into an All Call.

Transmitting a Selective Call

Selective Call Dialing Manually

1. 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.
2. Press PTT (and release) to ring the other user.

Selective Call Using Speed Dial

1. Scroll through the Menu options using the ▲ or ▼ button until "Speed Dial" appears in the second line of the display.
2. Using the O 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 O, ▲, or ▼ button to accept the incoming Selective Call. Press the ☺ button, the #ᴵᴺᴰ 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 14221-1100-2010 (available online at www.pspc.harris.com).

Terminating a Selective Call

Terminate a Selective Call by pressing ☺ or #ᴵᴺᴰ. "HANGUP" will appear in the display followed by the active voice group.

Declaring an Emergency

1. Press the red emergency button on the radio to enter emergency mode. Emergency is raised after the Emergency Raise Delay (default is 1 second).
2. The microphone is hot (open mic) for a programmed amount of time in order to send your voice out on the emergency voice group.
3. 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. When finished, release both buttons.

Stealth Mode

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

Stealth Menu Method:
1. Press the ▲ or ▼ button to scroll through menus until "StealthMenu" appears in the display.
2. Press the O 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.
3. Press any key other than **PTT** or Emergency to disable Stealth Mode.

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. Rated: EAR99; in accordance with U.S. Dept. of Commerce regulations 15CFR774, Export Administration Regulations.