

Quick Guide  
MM-015280-001  
Rev. C, March 2016



OpenSky® P7300  
Portable Radio



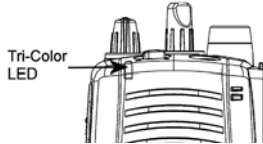
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P7300 Radio Keypad Functions	
<b>Locking/Unlocking Keypad</b>	
1. Press the <b>M</b> button.	
2. Within 1 second, press the <b>Option</b> button on the side of the radio.	
<b>M</b>	Activates a selected item within a list, similar to an "Enter" key. While in "Dwell Display," press repeatedly to scroll through and view status display (on 2 <sup>nd</sup> line) for current profile, caller, received talk group, and channel.
<b>▲</b> <b>▼</b>	Scrolls through available menu items.
<b>0 - 9</b>	(P7370 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.
<b>* FIM</b>	(P7370 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># IND</b>	(P7370 Only) # Used in conjunction with alpha-numeric keys for passwords and OpenSky functions.
<b>A/D</b>	(P7350 Only) Currently undefined.
<b>SCN</b>	(P7350 Only) Toggles Scan mode ON/OFF.
<b>OPT</b>	(P7350 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.

P7300 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 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	Can be configured for variety of functions. Refer to the operator manual for more information.
P7300 Alert Tones	
Call Queued	1 low tone/2 high tones - call is queued for processing.
Call Denied	3 short tones - radio is out of coverage area or the requested talk group is active.
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.

P7300 Alert Tones (Continued)	
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	
<b>Attach Battery Pack</b>	
	<ol style="list-style-type: none"> <li>Align the tabs at each side on the bottom of the battery pack with the slots at the bottom of the battery cavity.</li> <li>Push the top of the battery pack down until the latches click to attach the battery to the radio.</li> <li>Tug gently to verify that the latches are secure and the battery pack is properly attached to the radio.</li> </ol>
<b>Remove Battery Pack</b>	
	<ol style="list-style-type: none"> <li>Pull both latches on either side of the battery pack toward the bottom of the radio simultaneously.</li> <li>Pull the battery away from the radio.</li> <li>Remove the battery pack from the radio.</li> </ol>
P7300 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 the same as Normal Scan Mode, except the priority groups are fixed to the selected profiles 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 1/2 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.
P7370 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#<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	<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)
*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 of up to 16 digits>#

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P7370 Keypad Functions (Continued)	
*33	<b>End Manual Encryption command:</b> *33# Radio displays "Unsecure" to indicate manual encryption has ended.
*61	<b>Initiate XCOV Mode command:</b> *61# Extended coverage for individual users.
*62	<b>Initiate XCOV-TG Mode command:</b> *62# Extended coverage for talk groups.
*63	<b>Initiate XCOV-PROF Mode command:</b> *63#.
*60	<b>Exit XCOV Mode command:</b> *60# Returns to the Network mode.

P7300 Display & Status Icons	
	Line 1 - Selected Talk Group
	Line 2 - Caller ID/Alias
	Line 3 - Icon and Position

	<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> - Displayed when Scan Mode is Normal or Fixed.
	<b>Steady</b> - Indicates Selective Call mode.
	<b>Steady</b> – Battery charge indicator.
	<b>Flashing</b> – Low battery indicator.

Changing Operating Mode	
<b>Method 1:</b>	
1. Press the  or  to cycle through the menu until "App Mode" is displayed.	
2. Press  or  to choose an available mode. Press  and  or  to confirm (Y/N).	
3. Press  button to confirm.	

<b>Method 2:</b>	
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.	

<b>Method 3:</b>	
If configured, turn the A/B Switch to the A or B position.	

Changing the Active Profile	
1. Press the  or  button until "ProfileMenu" is displayed.	
2. Use  or  to scroll through the list of available profiles.	
3. Press  to activate the selected profile.	

Changing the Selected Talk Group	
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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	
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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	
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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	
<b>Selective Call Dialing Manually</b>	
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:	
<ul style="list-style-type: none"> <li>• If the radio being called is in the same region and agency, enter only the last four digits.</li> <li>• If the radio being called is in the same region, but a different agency, enter the last seven digits.</li> <li>• If the radio being called is in another region or if the area is unknown, enter all ten digits.</li> </ul>	
2. Press PTT (and release) to ring the other user.	

<b>Selective Call Using Speed Dial</b>	
1. Scroll through the Menu options using the  or  button until "Speed Dial" appears in the second line of the display.	
2. 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	
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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.

Terminating a Selective Call	
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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.

<b>NOTICE!</b>	
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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 talk group.	
3. All of the radios in the emergency talk group hear your call and see the emergency talk group displayed on their radio.	

Clearing an Emergency	
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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	
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<b>Method 1:</b>	
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1. Press the or button to scroll through menus until "StealthMenu" appears in the display. To immediately activate Stealth Mode press the or button once. This activates Stealth Mode, exits the Stealth Menu, and returns to the Dwell Display.

*The display lights, indicator lights, and side tones are disabled.*

2. Press any key to disable Stealth Mode.

<b>Method 2: (P7370 model only)</b>	
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In addition to the method mentioned above, the Quick Button 2# sequence can be used to turn Stealth Mode ON. Press 2# again to turn it OFF.

*For more detailed operating information and a list of options and accessories, refer to the Operator's Manual (MM-013994-001 - available online at [www.pspc.harris.com](http://www.pspc.harris.com)).*