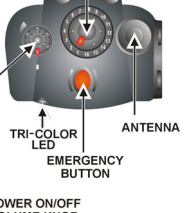
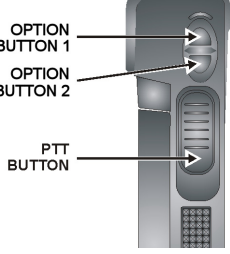
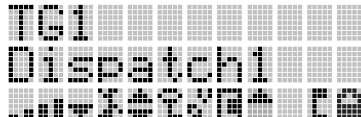




OpenSky® P7200 Portable Radios



P7200 Radio Controls	
Top View 	Side View 
Power On/Off Volume Knob	Applies power to the radio and adjusts the volume. When the radio is powered on, the voice group is displayed on line two until the Caller ID/Alias is received.
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	Navigate through available items within a sub-menu.

P7200 Display and Status Indicators	
	Line 1 - Selected Talk Group Line 2 - Caller ID/Alias Line 3 - Icon and Position
	Radio successfully registered to the network.
	Stealth mode is enabled (all tones and display backlight is disabled, voice is still heard).
	Radio is transmitting or receiving a manual or OTAR (Network) encrypted call.

P7200 Display and Status Icons (Continued)	
	Battery charge indicator.
	Flashing – Low battery indicator.
	Indicates the client is connected to a VTAC.
	Indicates Selective Call mode.
	Indicates received signal strength.
	Indicates the radio is scanning for a VTAC during XCOV or XCOV-TG mode.
	Displayed when Scan Mode is Normal or Fixed.
	(P7230 Only) Visible when is radio is traversing options using the  and  .

P7200 Radio Keypad Functions	
 P7270	 P7250
<i>The P7230 model radio does not have a front mounted keypad.</i>	
Lock/Unlock the Keypad 1. Press and hold the  button. 2. While holding the  button, press the  button on the side of the radio.	
	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 nd line) for current profile, caller, received voice group, and channel.

P7200 Radio Keypad Functions (Continued)	
 	Scrolls through available menu items.
0 – 9	(P7270 Only) Keys used to place telephone interconnect and individual (unit-to-unit) calls. Functions as a telephone keypad. Also used to enter passwords for logging into the OpenSky network (if not pre-configured for automatic registration at power-up.)
	(P7270 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.
	(P7270 Only) # Used in conjunction with alpha-numeric keys for passwords and OpenSky functions.
	(P7250 Only) Currently undefined.
	(P7250 Only) Toggles the Scan Mode ON/OFF.
	(P7250 Only) Currently undefined.

Battery Packs	
Attach Battery Pack 	1. Align the tab at top of the battery pack with the slot at the top of the radio. 2. Press down on the bottom of the battery until it clicks into place.
Remove Battery Pack 	1. Press latch. 2. Lift from bottom. 3. Slide back.

P7200 Scan Modes	
Scan Mode	Explanation
No Scan	Full communications (listen and talk) with the active voice group. No calls received from other voice groups.
Normal	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. Priority (P1 and P2) groups are user selectable. Receive calls from more than one voice group, if available from the current site. Allows dragging of the selected voice group, P1, P2, and default emergency voice group. The default emergency voice group, as well as any emergency-enabled voice 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 profile's pre-defined P1 and P2 groups (configured via the UAS). In this mode, P1 and P2 groups CANNOT be locked out.

Changing Operating Mode
1. Use  or  to cycle through the menu until "App Mode" is displayed. 2. Use  or  to choose an available mode. Press  and  or  to confirm (Y/N). 3. Press the  button to confirm. or 1# will transition the radio to ECP mode. If ECP mode is not loaded in the radio, the radio displays "No App."

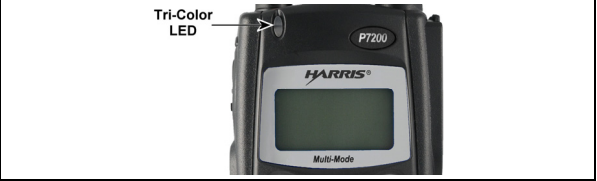
For more detailed operating instructions and a list of options and accessories, refer to the operator's manual MM23772 (available online at www.pspc.harris.com).

P7200 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.
Client Connect	2 short beeps. Portable is connected to the V-TAC in XCOV or XCOV-TG.
Client Disconnect	2 short beeps (lower pitch than Client Connect Tone). Radio has disconnected from the V-TAC.
Grant (or Go-Ahead)	1 short beep. Sounds when resources become available for a call request placed in the queue (if enabled) upon channel access.
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 mid tone followed by 1 low tone. Low battery.
Selective Alert Received	4 short tones. Only played once to indicate a selective alert has been received.
Emergency Tone	3 long tones. Sounds when an emergency is declared.
Emergency Cleared Tone	1 long low-pitched tone. Sounds when an emergency is cleared.
Selective Call Ring Tone	A ringing tone similar to a telephone. Ringing is repeated every four 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.

P7200 Alert Tones (Continued)	
Roam Tone	2 short tones, 1 high-pitched and 1 low-pitched.
Out of Range Tone	Tri-tone beep. If enabled via programming, sounds when the radio is not within operational range of the base station.
Man Down Tone	1 long tone, 1 short beep. The radio has assumed a horizontal position (requires external switch connected to UDC port).
P7270 Keypad Functions	
*0	Log-off command: *0## (logs the user off the system).
*1	Manual log-in command: *1<User ID> # <Password> ## (required for encryption).
*2	Status Message: *2 <0...9> #.
*4	Enter Scene of Incident (SOI) Mode: *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	RTT Message: *5 <0...9> #.
*7	Initiate Selective Alert: *7<Target ID>#[Choose Message]#.
*8	Initiate Selective Call: *8<Selective call number>#(PTT to dial).
*9	Public Switched Telephone Network (PSTN) Call command: *9 <telephone number># (PTT to dial).
*32	Begin Manual Encryption command: *32<Pre-determined Encryption Key># .
*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.

P7270 Keypad Functions (Continued)	
*62	Initiate XCOV-TG Mode command: *62# Extended coverage for voice groups.
*63	Initiate XCOV-PROF Mode command: *63#.
*60	Exit XCOV Mode command: *60# Returns to the normal mode.

P7270 Quick Buttons	
1#	Transition to ECP Mode.
2#	Stealth Mode On/Off.
3#	Scan Mode On/Off.
4#	Lights/Tones On/Off.
6#	XCOV or XCOV-TG Attach/Detach.

Tri-Color LED	
	
Green	Receiving.
Red	Transmitting.
Orange	Flashing rapidly, radio is receiving an emergency call. Flashing every ½ second, the selected voice group is in emergency state (not transmitting).

Change the Active Profile

- Press the or buttons until “ProfileMenu” is displayed. The name of the currently active profile is displayed.
- Use or to scroll through the list of available profiles.
- Press to activate the selected profile.

Change the Selected Voice Group

Turn the Group Selection knob on top of the radio to select desired voice group.

Receive 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 voice group in emergency status will drop all other calls to scan into an All Call.

Transmit 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 will be sounded.
- Begin speaking into the microphone in a normal voice.

For maximum clarity, hold the radio approximately 2-inches from your mouth. Take care not to cover up the microphone while speaking.
- Release the PTT button when finished speaking.

Transmit a Selective Call

Manually Dialing a Selective Call

- 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>#PTT

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 user being called.

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Transmit a Selective Call (Continued)

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.

Receive a Selective Call

Press the , , or button to accept the selective call.

Terminate a Selective Call

Terminate a Selective Call by pressing the or #. “HANGUP” will appear in the display followed by the active voice group.

Declare 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 radio.

Clear an Emergency

If enabled via programming, clear an emergency by:

- Pressing and holding while simultaneously pressing the emergency button.
- Release both buttons.

Stealth Mode

- 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.

Or
On P7270 radios, 2# can be used to enter Stealth Mode.
P7250 Radios - Press any key to disable Stealth Mode.
P7270 Radios - Exit using 2# or via the Stealth Mode menu.