



**P5100 Series
Portable
Radios**



P5100 Radio Keypad Functions (P5150 Model Only)	
Locking/Unlocking Keypad 1. Press the M button. 2. Within 1 second, press the Option button on the side of the radio.	
P5100 Radio Keypad Key Functions	
▲	Selects system, groups, or channels. <u>Secondary Function:</u> Changes the selection for an item within a list.
▼	Accesses the pre-stored menu. <u>Secondary Function:</u> Activates a selected item within a list, similar to an "Enter" key.
M	Accesses the pre-stored menu. <u>Secondary Function:</u> Activates a selected item within a list, similar to an "Enter" key.
A/D	Adds/Deletes selected groups or channels from the Scan list of the currently selected system.
SCN	Toggles the Scan operation ON and OFF.
OPT	Activates one of a number of programmable software options, selected during the PC programming. Programmable options include high/low transmitter power and talkaround.

P5100 Display & Status Icons	
Top View 	Side View
Power On-Off/Volume Knob	Applies power to the radio and adjusts the receiver's volume.
System/Group/Channel Control Knob	A 16 position rotary knob for selecting systems or groups/channels (set in programming).
Emergency/Home Button	Pre-programmed to select a pre-set group/ system (Home) or declare an emergency (only one can be assigned to this button).
PTT Button	The Push-to-Talk (PTT) button is pressed to transmit.
Option Button	Pre-programmed to activate one software option.
Clear/Monitor Button	In Trunked mode, the Clear/Monitor button is used to: 1) exit the current operation and 2) terminate special calls. In conventional mode the Clear/Monitor button is used to: 1) monitor channels and 2) momentarily remove Channel Guard decoding from a channel.

P5100 Display & Status Icons	
	System/Channel
	Group
	Icons
	Indicates radio is transmitting.
	<i>In trunked mode:</i> Steady - radio is transmitting/receiving a call. Flashing - call has been queued. <i>In conventional mode:</i> Steady - a call is being received.
	T99 Mode enabled.
	Steady - Channel Guard (CG) enabled. OFF - CG temporarily disabled.
	Steady – EDACS® trunked system in Failsoft™ mode.
	Steady - selected group/channel set at low power. OFF selected group/channel is set at high power.
	Selected talk group/channel is operating in Analog, Digital, or Project 25 (P25) mode.
	ON (Animated, rotating) – Scan mode is enabled. ON (Steady) – Scan temporarily disabled (priority scan status icon <i>is</i> present). OFF – Scan temporarily disabled (priority scan status icon <i>is not</i> present).

P5100 Display & Status Icons (continued)	
	Selected talk group/channel is a Priority 1, 2, or "in the scan list" (lowest priority). The talk group or channel isn't in the scan list if a priority icon isn't associated with it. Icon is displayed in the third character block from the right.
	Steady – special call select/entry mode (Individual or Telephone Interconnect).
	Steady – gauges approximate remaining battery charge.
	Flashing – low battery.

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.

P5100 Alert Tones	
Ready-to-Talk (A)	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)	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 (A)	Five high-pitched tones and one long low-pitched tone. PTT pressed for too long.
Low Battery (A)	One low-pitched and one short mid-pitched tone. Low battery.
TX Low Battery Alert (A)	<i>Transmit Lockout.</i> One low-pitched tone after PTT. Battery too low to transmit.
Page (P)	Three high-pitched tones. If receiving radio receives and accepts page, both radios emit tone.

(T) = trunked mode only (P25T and EDACS)
(A) = All modes
(P) = P25T only

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P5100 Status Messages	
QUEUED	Call Queued - Trunked mode only. Call placed in request queue.
SYS BUSY	System Busy - Trunked mode only. System is busy, no channels available, queue is full, 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.
CC SCAN	Control Channel Scan mode - Trunked mode only. Control channel lost (e.g., out of range), 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 on conventional channel (with no repeater).
SYSC ON	System Scan Features On – Trunked mode only. System Scan features enabled.
SYSC OFF	System Scan Features Off – Trunked mode only. System Scan features disabled.
LOW BATT	Low Battery – Battery charge too low to transmit.
RXEMER	Receive Emergency – (Flashing on line 2) Trunked and P25 modes only. Emergency call being received.
TXEMER	Transmit Emergency – (Flashing on line 2) Trunked and P25 modes only. Emergency call transmitted from this radio.
VOL=31	Volume Level – Current volume level [from OFF (silent) to 31, (loudest)].
WHC	Who Has Called – Trunked and P25 modes only. Individual call received but not responded to.
UNKNOWN	Unknown ID – Trunked and P25 modes only. Individual call being received from an unknown ID.

Menu

The **Menu** function accesses features that are not available from the keypad.

1. Press **M** to enter **Menu** mode.
2. Use the **▲** and **▼** to scroll through the available menu items.
3. Press **M** again to select the item.
4. Depending upon the item selected, further scrolling using the **▲** and **▼** buttons may be required.
5. Press **M** again to return to the active display.

Conventional Mode

Transmitting a Call

1. Select conventional system and channel.
2. Press Clear/Monitor button briefly. If audio is heard or **TX** is lit, the channel is busy.
3. When channel becomes available, press PTT button and speak into microphone.
4. Release PTT when finished and wait for reply.

Receiving a Call

1. Select conventional system and channel or turn Scan on and make sure desired channel is in Scan list.
2. When radio receives a call, the radio unmutes and the channel will appear in the display.

Trunked Mode

Transmitting a Group Call

1. Select group.
2. Press PTT button and speak into microphone.
3. Release PTT when finished and wait for reply.

Receiving a Group Call

1. Select group or turn Scan on and make sure group is in Scan list.
2. Group name or “GRxxxx” will appear in the display to indicate a call is being received.

Transmitting an Individual Call

1. Press **M** to enter **Menu** mode.
2. Using **▲** and **▼**, scroll until reaching **IND CALL** and press **M**.
3. Scroll through the list of stored numbers using **▲** and **▼** until the desired number is displayed and press **M**.
4. Press the PTT button.

Receiving an Individual Call

1. Press the PTT button to accept an Individual Call.
2. To reject an incoming Individual Call, press the Clear/Monitor button.

P5130 Select model radios are capable of many of the features associated with a single key press on the P5150 model radio. However, the required procedures are beyond the scope of this Quick Guide. Please refer to the Operator's Manual (MM102708V1) available online at www.pspc.harris.com.

Declaring An Emergency

Check with System Administrator to verify the Emergency function is enabled.

1. Press and hold the red Emergency/Home button.
2. **TX** and **EMER** will appear in the display and ***TXEMER*** will flash in the display. After 2-3 seconds **EMER** will turn off.
3. ***TXEMER*** and **TX** will remain until the emergency is cleared.
4. Press the PTT and **EMER** reappears. Speak normally.
5. Release PTT when transmission is complete.
6. 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 (MM102708V1 – available online at www.pspc.harris.com).