



MONTEREY PARK FIRE DEPARTMENT




MOTOROLA APX 8000XE MODEL 3.5

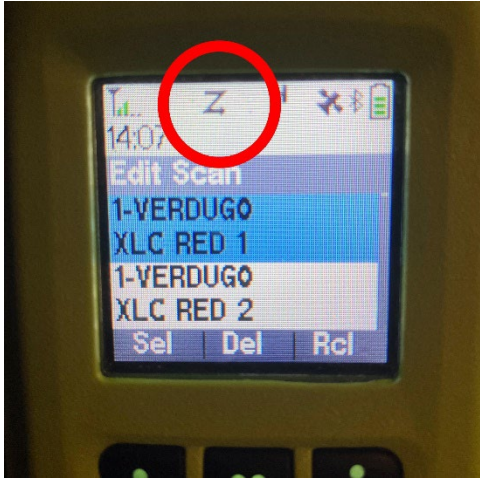
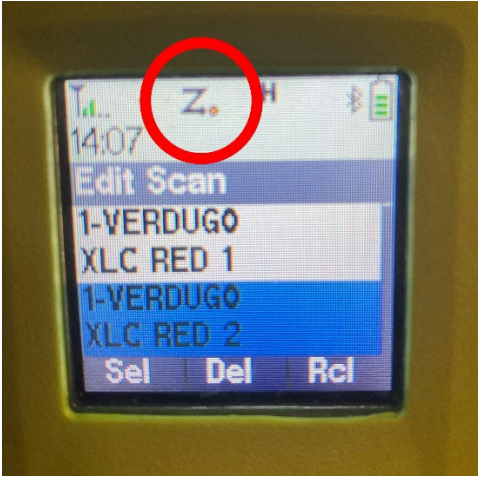
Quick Reference

MOTOROLA SOLUTIONS

APX 8000XE Model 3.5 Monterey Park Fire Department



<p>Turn Radio On/Off</p> <ol style="list-style-type: none"> 1. Turn the radio on by rotating the on/off/ Volume Control Knob clockwise. 2. Turn the radio off by rotating the on/off/ Volume Control Knob counterclockwise until you hear a “click.” 	<p>Select a Channel or Talk group</p> <p>Turn the 16-position Channel select knob to the desired channel. The new channel or talk group name will appear on the display. OR</p> <ol style="list-style-type: none"> 1. Press the Menu Select button directly below Chan. 2. Press up or down on the 4-Way navigation button to the required channel. OR Use the keypad to enter the channel number. 3. If the channel number entered is unprogrammed, the display shows Invalid entry. Repeat Step 2. 4. Press the Menu Select button directly below Sel to confirm the selected channel. 5. Press the PTT button to transmit on the displayed zone and channel or talk group. When speaking, keep the microphone 1-2” from your mouth. Release PTT button to listen.
<p>To Select the Home Mode</p> <p>Press . This selects the Home Zone 1. Press and hold and the radio will switch to XLC RED 1.</p>	<p>Turn Scan On/Off</p> <ol style="list-style-type: none"> 1. Press the Purple button above the PTT button. 2. You will now see this icon on your main display indicating that you are in SCAN mode.  3. Press the Purple button again to turn off SCAN.
<p>Select a Zone</p> <ol style="list-style-type: none"> 1. Press the Menu Select button directly below Zone. 2. Press up or down on the 4-Way navigation button to the required zone. OR Use the keypad to enter the zone number. If the zone number entered is unprogrammed, the display shows Invalid entry. Repeat Step 2. 3. Press the button directly below Sel to confirm the displayed zone. 4. Press the PTT button to transmit on the displayed zone and channel or talk group. 	<p>Direct/Talk around (Conventional)</p> <p>Use the concentric switch under the channel knob to switch between Direct & Repeat mode. The display shows the Direct icon if the channel is currently in Direct mode (during conventional operation only). </p>

Scan List Edit	Selected Channel in Scan List	Selected Channel Priority Scan
<ol style="list-style-type: none"> 1. Press the right side of the 4-Way navigation button until ScnL is displayed. 2. Press the Menu Select button directly below ScnL. 3. Press the 4-Way navigation button up or down to switch between the channels in a zone or press left or right to switch between the zones to the entry you want to edit. 4. Press the Menu Select button directly below Sel to add and/or change the priority of the currently displayed channel in the scan list. Pressing Sel once will add the channel to the SCAN list. Pressing the Sel twice will make that channel the priority channel. Press the Menu Select button directly below Del to delete the currently displayed channel from the scan list. Press the Menu Select button directly below Rcl to view the next member of the scan list. 5. Press the 4-Way navigation button to select more channels to be added or deleted. 6. Press HOME to exit scan list programming and return to the Home screen. <p>Summary</p> <p>Sel= (once) adds selected channel to the SCAN list. Sel= (twice) makes the selected channel the priority channel in your scan list. Del= Deletes the selected channel from you SCAN list. Rcl= Shows what channels are currently in your SCAN list. The channels in your SCAN list will have the standard scan icon visible in the display.</p> <p>MPFD radios have one SCAN list with 16 slots. You can SCAN conventional & trunked channels at the same time.</p> <p>When you are operating at an IDLH incident, industry best practice is you should not use SCAN. If there are multiple channels or talk groups being utilized, you should set a radio to each channel to ensure you won't miss any priority traffic while scanning.</p>		

Emergency Mode	MAYDAY ALERT BUTTON Programming
<ol style="list-style-type: none">1. Press the MAYDAY ALERT BUTTON. The display will flash an orange bar indicating the radio is in Emergency Mode. You will also hear a short, medium-pitched tone and the LED on the top of the radio will blink red.2. To transmit your MAYDAY, press the PTT button on the radio or the remote speaker microphone (RSM).3. Release the PTT button to end the transmission and wait for a response from the IC, RIC TEAM and/or the dispatcher.4. Press and hold the MAYDAY ALERT BUTTON for 2 seconds to exit Emergency Mode.	<p>MPFD radios will only enter Emergency Mode via MAYDAY ALERT BUTTON press on the following channels.</p> <p>Any XLC channel + MAB press = XLC MAYDAY If you are on any XLC channel and you press the MAB button, the radio will switch channels to XLC MAYDAY in repeat mode.</p> <p>Any LAC channel + MAB press = HOT MIC If you are on any LAC channel and you press the MAB button, the radio will transmit the Emergency Mode signal and will keep your radio microphone open for 10 seconds without pressing your PTT on your radio or your RSM.</p> <p>Any LFD channel + MAB press = MAYDAY 6 If you are on any LFD channel and you press the MAB button, the radio will switch channels to MAYDAY 6 in repeat mode.</p> <p>Any XLE channel + MAB press = XLE MAYDAY If you are on any XLE channel and you press the MAB button, the radio will switch channels to XLE MAYDAY in direct mode.</p> <p>If you press the MAB on any other channel in your radio, the MAB does nothing. If you are operating on one of these channels and you have a MAYDAY, you will have to initiate an "Tactical MAYDAY" on that channel.</p>

Front Panel Programming

With the radio in the FPP Zone (46- MPK FPP) follow the procedure below.

1. Press the right side on the 4-Way navigation button until FPP is displayed.
2. Press the Menu Select button directly below FPP to enter the Front Panel Programming screen.
3. On the next screen, enter the password "2172", press the Menu Select button below OK.
4. The next screen has 2 parameters, Radio Param, or Zn/Ch Param. Press up or down on the 4-way navigation button and select Zn/Ch Param. Press the button below Sel.
5. The next screen lists the MPK FPP zone, Select the zone and press the button below **Sel**.
6. There are 32 FPP channels available for you to program. If your radio was used on a previous incident, you will have to "re-write" all the fields. The best practice after an incident is to go through your FPP channels and edit the channel names to "Channel 1", "Channel 2", etc. to prevent confusion on your next incident.
7. Press up or down on the 4-Way navigation button to the channel you want to change in the FPP Zone. Press the button directly below Sel. The display shows the Tx Frequency screen. Press the button below Edit. Program the Tx Frequency using the keypad, press Ok then Save.
8. Press the down arrow on the 4-Way navigation button to the Rx Frequency screen. Press the button below Edit. Program the Rx Frequency press Ok then Save.
9. Press the down arrow on the 4-Way navigation button to the Tx PL screen. Press the button below Edit to program the Tx PL, then press Save or Cncl and press the down arrow to move to the Rx PL screen.
10. Press the button below Edit to program the Rx PL, then press Save or Cncl and press the down arrow to move to the Tx DPL screen. Press the button below Edit to program the Tx DPL, then press Save or Cncl and press the down arrow to move to the Rx DPL screen. (most channels you will FPP will not utilize a TX DPL)
11. Press the button below Edit to program the Rx DPL, then press Save or Cncl and press the down arrow to move to the Tx NAC screen (most channels you will FPP will not utilize a RX DPL)
12. Press the button below Edit to program the Tx NAC, then press Save or Cncl and press the down arrow to move to the Rx NAC screen. (most channels you will FPP will not utilize a TX NAC)
13. Press the button below Edit to program the Rx NAC, then press Save or Cncl and press the down arrow to move to the Rx Type screen. (most channels you will FPP will not utilize a RX NAC)
14. The Rx Type screen is not editable. Press the down arrow to move to the Bandwidth screen.
15. Press the button below Edit to program the Bandwidth. Press the down arrow to select an option (12.5kHz, 20.0kHz or 25.0kHz) then press OK or Cncl and press the down arrow to move to the Tx deviation screen. 12.5kHz will be listed on your ICS 205 as "N" for Narrowband. 20.0kHz is only used for 800Mhz channels and will not be used for FPP. 25.0kHz will be listed on your ICS 205 form as "W" for Wideband.
16. The Tx deviation screen will automatically change when you select the appropriate bandwidth. Press the down arrow to move to the Power level screen.
17. Press the button below Edit to program the Power level. Press the down arrow to select an option (High or Low) then press OK or Cncl and press the down arrow to move to the Channel name screen.
18. Press the button below Edit to program the Power level. Press the down arrow to select an option (high or low) then press OK or Cncl and press the down arrow to move to the Channel name screen.
19. Press the button below Edit to program the Channel Name using the keypad, then press OK or Cncl and press the down arrow to move to the Tx screen. Disregard Zone Name.
20. Press the button below Back, then press the button below Exit or the HOME button to return to the home screen.

Front Panel Programming Summary	
FPP MENU	
TX Freq	Enter the TX FREQ from your 205
RX Freq	Enter the RX FREQ from your 205
MPL Enable	Leave Disabled
TX PL	Enter the TX PL from your 205 (if there is nothing on the 205, enter 000.0 or CSQ)
RX PL	Enter the RX PL from your 205 (if there is nothing on the 205, enter 000.0 or CSQ)
TX DPL	Not usually used on wildland
RX DPL	Not usually used on wildland
TX NAC	Not usually used on wildland
RX NAC	Not usually used on wildland
RX type	Not editable
TX type	Not editable
Bandwidth (12.5khz/20khz/25khz)	N= 12.5khz W= 35khz
TX Deviation	This will automatically change based on Bandwidth selection.
Power Level	H= High L=Low- based on the 205 (If not indicated, choose High)
Hot Keypad	Leave off
Busy LED	Leave on
Chan Name	Edit Channel name based on your ICS 205
Zone Name	Don't edit
Top Chan name	Don't edit
Top Zone name	Don't edit
Protect	Leave off
Scan List	Select Mixed Scan
TX PL & RX PL Notes	
PL/TONE/CTCSS/Channel Guard are interchangeable terms that mean the same thing.	
If a channel has no PL on the 205, enter 000.0	

DIY Zone Programming - Add Channel

With the radio in a DIY Zone (MPK DIY 1, MPK DIY 2, or MPK DIY 3), follow the procedure below.

1. Press the right side on the 4-Way navigation button until **ZnPr** is displayed.
2. Press the Menu Select button directly below **ZnPr** to enter Program Zone screen.
3. Press the Menu Select button below Edit. The display shows Search Options screen.
4. Press up or down on the 4-Way navigation button to **List Selection**.
5. Press the Menu Select button directly below
6. **Sel**. The display shows Select Zone screen.
7. Press up or down on the 4-Way navigation button to the required zone.
8. Press the Menu Select button directly below **Sel**. The display shows Select Chan screen.
9. Press up or down on the 4-Way navigation button to the required channel.
10. Press the Menu Select button directly below **Sel**. The display shows "Channel updated".
11. Press the Menu Select button directly below Exit to return to home screen.

DIY Zone Programming – Delete Channel

With the radio in a DIY Zone (MPK DIY 1, MPK DIY 2, or MPK DIY 3), follow the procedure below.

1. Press the right side on the 4-Way navigation button until **ZnPr** is displayed.
2. Press the Menu Select button directly below **ZnPr** to enter Program Zone screen.
3. Press up or down on the 4-Way navigation button to the saved DIY channel.
4. Press the Menu Select button directly below Del. The display shows Channel deleted.
5. Press the Menu Select button directly below Exit to return to home screen.