Fire – Rescue Talkgroups

Channel	Zone 1 Caroline FR	Zone 2 Caroline2 FR
1	FR Dispatch	FR Dispatch
2	FR Tac 2	FR Admin
3	FR Tac 3	FR Train1
4	FR Tac 4	FR Train2
5	FR Tac 5	FR Train3
6	FR Tac 6	OEM 1
7	FR Tac 7	OEM 2
8	FR Tac 8	OEM 3
9	PS Tac 1	Shelter 1
10	PS Tac 2	Shelter 2
11	CtyWide1	Shelter 3
12	CtyWide2	FR Cmd Staff
13	SO Dispatch	FR Log 1
14	FR Admin	FR Log 2
15	FR T/A	FR T/A
16	FR Dispatch	FR Dispatch

Analog vs. Digital Sound Quality

Analog radio systems historically have the usual snap, crackle and
pop along with the voice on a channel.
When you heard more of that
interference, you knew that the transmitting radio was getting close
to the limits of coverage. You could also hear a "hiss" just before
the transmitting radio began talking so you knew there was a transmission coming.

Digital radio systems remove all of the background interference noise
and only pass the voice. The voice is converted into a digital stream
and the system converts this stream into words spoken by the person
transmitting. There will be no "hiss" before someone transmits,
It is important to remember to keep the microphone for the radio or the speaker mic a few inches directly in front of your mouth. This will cut down on any background noise at the scene like sirens or other people talking loudly at the scene.

MOTOROLA

Caroline County Fire - Rescue

APX 4500 O2 Mobile
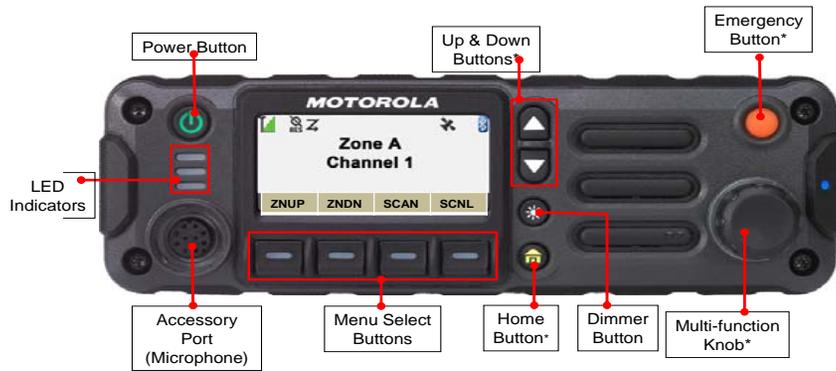
Quick Reference Card

Display Status Indicators

Icon	Description
📶 (receiving)	Receiving a call or data.
📶 (transmitting)	Transmitting a call or data.
♪	Received an Individual Call.
▦	The more stripes, the stronger the signal strength for the current site (trunking only)

Icon	Description
	Direct radio-to-radio communication or communication through a repeater. **On** = Direct **Off** = Repeater
▶	This channel is being monitored.
⊬	Voice muting the affiliated trunking talkgroup or selected conventional channel. **On** = Enabled **Off** = Disabled
H or L	**L** = Radio is set at Low power. **H** = Radio is set at High power.
Z	Scanning a scan list.
Z.	**Blinking dot** = Detects activity on the Priority-One Channel during scan. **Steady dot** = Detects activity on the Priority-Two Channel during scan.
☐	Radio is in the view or program mode. **On steady** = View mode. **Blinking** = Program mode.

Icon	Description
⊻	The vote scan feature is enabled.
⊘	**On** = Secure operation. **Off** = Clear operation. **Blinking** = Receiving an encrypted voice call.
⊘ AES	**On** = AES Secure operation. **Off** = Clear operation. **Blinking** = Receiving an encrypted voice call.
✖	**On** = Location feature enabled, and location signal available. **Off** = Location feature disabled. **Blinking** = Location feature enabled, but location signal unavailable.
IP	**On** = User is currently associated with the radio. **Off** = User is currently not associated with the radio. **Blinking** = Device registration or user registration with the server failed due to an invalid username or pin.
▥	Data activity is present.

11/15

APX 4500 02

❑ **O2 Control Head**

Turning the Radio On/Off
- Press the Power On/Off button to toggle the power on or off.

Adjusting the Volume
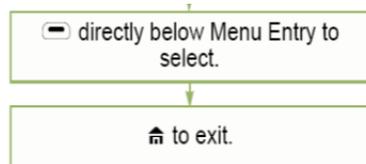- Rotate the MFK clockwise to increase/counter clockwise to decrease.

Display Intensity
- To adjust the display brightness, press the Dim button until the desired intensity is displayed.

Receiving and Transmitting
- Take the microphone off the hook
- Select your Zone/Channel
- Listen for other transmissions
- Once the channel is clear, press the PTT button to transmit and release to receive.

Menu Navigation

To Select a Zone
- Press the button under ZNUP or ZNDN.

To Select a Channel
- After a quick press to switch the MFK to channel mode, turn the knob to change channels OR use the arrow up or down.

Home Button - The 🏠 button returns you to the Home (default) screen. In most cases, this is the current mode. A long press of the Home button will automatically take you to a preprogrammed talkgroup (if programmed). For selected radio features, the 🏠 button is also used to save user-edited radio settings or information before returning you to the Home screen.

Sending an Emergency Alarm
- Press the programmed **Emergency** button. A tone sounds and the display alternates between *EMERGENCY* and the home display. A series of high-pitched tone indicates the alarm has been received by the radio system central controller.
- **FIRE**- 1.5 second press and hold to activate. NO HOT MIC
- **NOTE:** To exit emergency at any time, press and hold the **Emergency** button until a steady tone is heard.

Scan – To activate, press the SCAN button.
 Scan List
- To program your scan list, press the button under SCNL.
- Your priority one channel is your main dispatch talkgroup
- To add other members, navigate to the channel and press the SEL button to add to your scan list
- To delete a member, press the button under DEL. Press RCL repeatedly to view your list.