MARCS RADIO TRAINING FOR ED STAFF

GDAHA
GREATER DAYTON AREA HOSPITAL ASSOCIATION
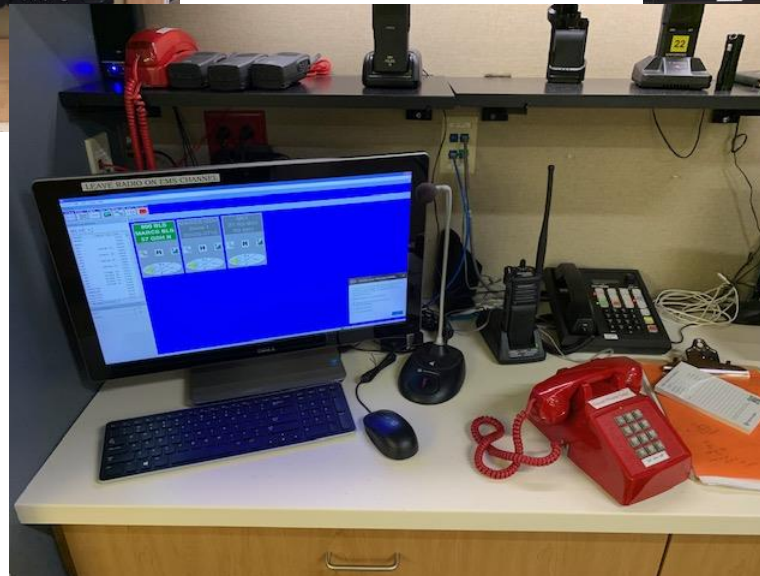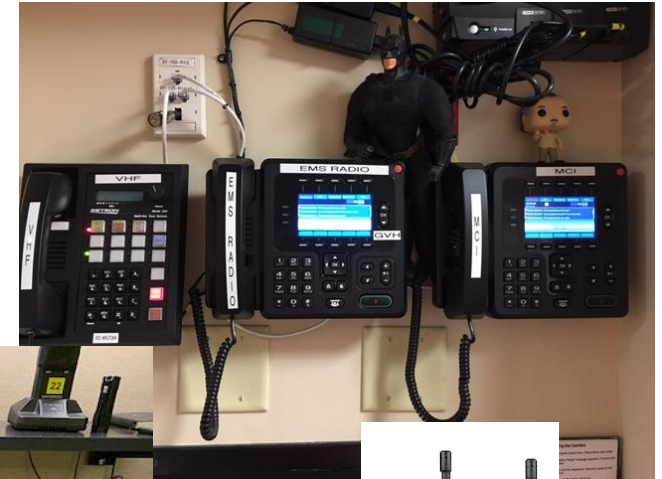The Link to Quality Care

Greater Miami Valley EMS Council

DAYTON MMRS
METROPOLITAN MEDICAL RESPONSE SYSTEM
MMRS
UNITED STATES OF AMERICA

- Some hospitals may have 3-4 radios, others and Satellite ED's may have 2-3
DO NOT turn volume down
DO NOT turn radio off.

MCI - MARCS

- **Deskset or Portable radio**
- **It is used in case of an MCI (Mass Casualty Incident)**
  - **Our local talkgroup is HSR3- MCI**

  - **MCI-MARCS is a "Party Line" – there are no alert tones and all hospitals are on this talk group – Listen carefully for the name of your facility**
  - **All hospitals in the region would be on this talkgroup during an incident. MAKE SURE to identify your hospital by name when speaking**

MCI – MARCS (Portable)

- **If you have a portable radio.**
  - **A case with a strap may be helpful for those moving around. Also if wearing scrubs, or some other clothing that does not lend itself to having a radio clipped on**
  - **Speaker mic allows for better hearing in loud environments.**

MCI Talkgroup Overview

- **Generally begins with a call to the Montgomery County RDC (Regional Dispatch Center) via 937-333-8727 (333-USAR) in order to use RHNS (Regional Hospital Notification System) to advise the region there is a MCI.**

- **RHNS outgoing message will include this statement: "All hospitals: update your Juvare EMResource MCI page. All hospitals monitor HSR3-MCI MARCS talkgroup"**

- **The EMS Transport Officer or aid, will use the HSR3-MCI MARCS radio talkgroup to communicate all information to all hospitals. If you are not on HSR3-MCI, you will miss information!**

MCD 5000 DESKSET - TOP VIEW

1. HANDSET WITH BUILT IN PTT BUTTON

For audio transmit and receive, with a microphone in the mouthpiece and an audio speaker in the earpiece and a built-in PTT.

2. INTERNAL SPEAKER

For hands-free public audio receive.

3. INTERNAL MICROPHONE

For hands-free audio transmit.

4. TRANSMIT BUTTON

For transmitting on the radio channel.

BUSY LED

RECEIVER INDICATOR — 7 6 5 — TRANSMIT LED — 19 — DESKSET MENU SOFT KEYS (x5)

HANDSET WITH BUILT IN PTT BUTTON — 1

INTERNAL SPEAKER — 2

RADIO SOFT KEYS (x5) — 15

12 — EMERGENCY BUTTON

14 — COLORED LCD DISPLAY

16 — CHANNEL SELECTOR MODE UP / MODE DOWN

11 — NAVIGATION KEYS

10 — SPEAKER BUTTON

8 — VOLUME CONTROL

9 — ALL MUTE BUTTON

3 — INTERNAL MICROPHONE

NUMERIC & ALPHANUMERIC KEYPAD — 17 — 20 — 18 — 13 — 4 — TRANSMIT BUTTON

HOME BUTTON — MENU BUTTON

BASE INTERCOM BUTTON & LED

MCD 5000 DESKSET - TOP VIEW

16. **CHANNEL SELECTOR MODE UP / MODE DOWN**

For moving up/down through deskset or radio menu mode, channels or functions that appear on the LCD.

11. **NAVIGATION KEYS**

For browsing through menus.

17. **NUMERIC & ALPHANUMERIC KEYPAD**

For emulating the keypad of the radio and entering numbers/letters to operate the deskset.

20. **HOME BUTTON**

Emulates the "Home Key" on a given radio.

13. **MENU BUTTON**

Toggles upper soft keys between "Deskset Home Screen" and "Emulated Radio Screen"

BUSY LED

RECEIVER INDICATOR ⑦ ⑥ ⑤ TRANSMIT LED ⑲ DESKSET MENU SOFT KEYS (x5)

⑫ EMERGENCY BUTTON

HANDSET WITH BUILT IN PTT BUTTON ① ⑭ COLORED LCD DISPLAY

CHANNEL SELECTOR MODE UP / MODE DOWN ⑯

INTERNAL SPEAKER ②

RADIO SOFT KEYS (x5) ⑮ ⑪ **NAVIGATION KEYS**

⑩ SPEAKER BUTTON

⑧ VOLUME CONTROL

⑨ ALL MUTE BUTTON

③ INTERNAL MICROPHONE

NUMERIC & ALPHANUMERIC KEYPAD ⑰ ⑳ ⑱ ⑬ ④ TRANSMIT BUTTON

MENU BUTTON

HOME BUTTON

BASE INTERCOM BUTTON & LED
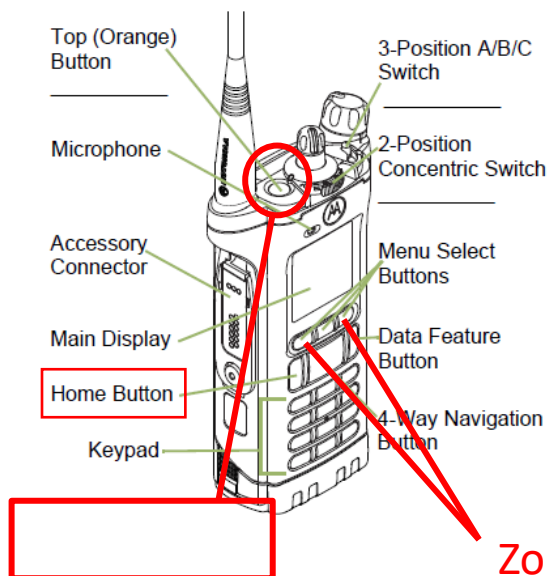
Motorola APX 6000

MOTOROLA

ASTRO® APX™ 6000/APX 6000Li Series
Digital Portable Radios
Quick Reference Card

RF Energy Exposure and Product Safety Guide for Portable Two-Way Radios
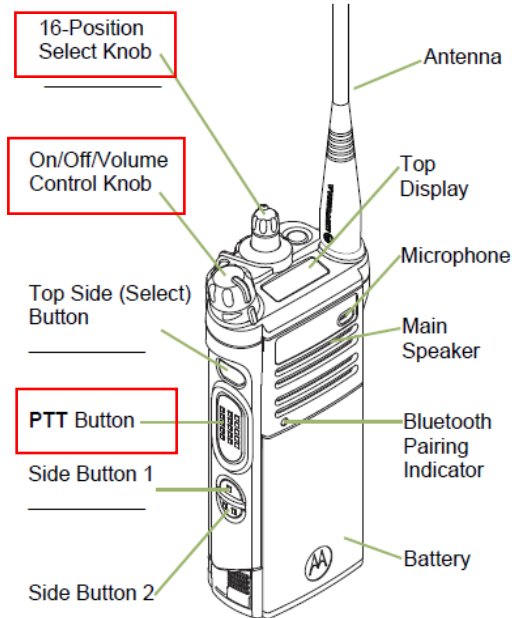
ATTENTION!

This radio is restricted to Occupational use only. Before using the radio, read the RF Energy Exposure and Product Safety Guide for Portable Two-Way Radios which contains important operating instructions for safe usage and RF energy awareness and control for Compliance with applicable standards and Regulations.

Radio Controls

- Top (Orange) Button
- Microphone
- Accessory Connector
- Main Display
- Home Button
- Keypad
- 3-Position A/B/C Switch
- 2-Position Concentric Switch
- Menu Select Buttons
- Data Feature Button
- 4-Way Navigation Button

Channels

- 16-Position Select Knob
- On/Off/Volume Control Knob
- Top Side (Select) Button
- PTT Button
- Side Button 1
- Side Button 2
- Antenna
- Top Display
- Microphone
- Main Speaker
- Bluetooth Pairing Indicator
- Battery

Zone Up / Zone Down

Radio On/Off

- **On** – **On/Off/Volume** knob clockwise.
- **Off** – **On/Off/Volume** knob counterclockwise.

Zones and Channels

- **Zone** – **Zone** switch to desired zone.
- **Channel** – **Channel** switch to desired channel.

Receiving and Transmitting

1. Select zone/channel.
2. Listen for a transmission.
   OR
   Press and hold **Volume Set** button.
   OR
   Press **Monitor** button and listen for activity.
3. Adjust volume, if necessary.
4. Press the **PTT** button to transmit; release to receive.

~~Sending an Emergency Alarm~~

1. ~~Press and hold the **Emergency** button*.~~
2. ~~The display shows **Emergency** and the~~ current zone/channel. Radio sounds a short, medium-pitched tone, and the LED blinks red momentarily.
3. ~~When acknowledgment is received, you hear~~ four beeps; alarm ends; and radio exits emergency.

* *Default emergency button press timer is set to 1 second. This timer is programmable, see page 67 in the user guide for details.*

*To exit emergency at any time, press and hold the **Emergency** button.*

PMLN5717E

English

Kenwood VP5430

TOP PANEL CONTROLS

Channel/Talkgroup Switch
Selects up to 16 channels/talkgroups in the current zone. Some positions may be unprogrammed, in which case a tone sounds.

On/Off Volume Knob
Turn clockwise to turn power on and set the volume level. Turn counterclockwise (to click) to turn power off.

Emergency Button
This button can be programmed as an emergency button or used for other functions. Check with your system administrator to find out which function is programmed on your radio.

Antenna Connector
Ensure an antenna is tightly connected before using the radio. A loose antenna may cause incorrect radio operation.

Multi-Function Indicator
Steady Red: PTT pressed, transmitting in unsecure mode.

Steady Orange: PTT pressed, transmitting in secure mode.

Steady Green: Receiving in unsecure mode.

Blinking Red: Transmitting unsecure, low battery.

Blinking Orange: Transmitting secure, low battery.

Slow Blink Red: Receiving in secure mode.

(See operating manual for additional indicator information.)
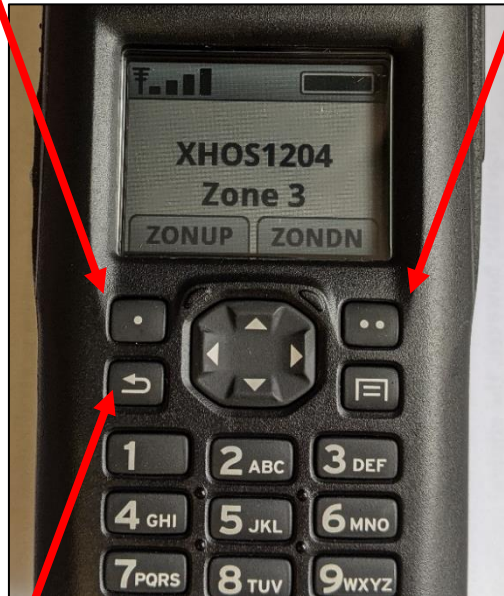
Option Switch
Programmable two-position (A B) option switch. Check with your system administrator to find out which options are programmed on your radio.

A. _____

B. _____

Kenwood VP5430

To move through Zones

Press and Hold for Home Zone 1 / Channel 1

FRONT PANEL CONTROLS **Full Key Model Shown Below**

1. **Standard Key Model** - Front display, option and navigation buttons
2. **Full Key Model** - Full feature model with number keypads

Speaker (1, 2)
This speaker is disabled when a speaker mic accessory is connected.

LCD Display (1, 2)
Radio Menu/Mode/ Operation display.

Microphone (1, 2)
For best results, hold the radio 2-3 inches (5-8 cm) from your mouth and speak at a normal conversational level.

Navigation Pad (1, 2)
Up/down arrows are used to step through the menu screens or select zones in operating mode. Left/right arrows advance through assigned soft buttons.

Option Button (1, 2)
In Menu Mode, selecting this button enables the user to do the operation defined in the tab above it in the menu. (If Menu Mode is not used, this is a programmable button.)

Option Button (1, 2)
In Menu Mode, selecting this button enables the user to do the operation defined in the tab above it in the menu. (If Menu Mode is not used, this is a programmable button.)

Option Button (1, 2)
Clear. Performs a back or exit action. (Defined function)

Option Button (1, 2)
Menu (Defined function). Use this button to select/accept a selection in a feature.

Number Keypad (2)
Note: The Standard Key Model has A/B/C buttons. If you have a Standard Key Model, check with your system administrator to find out which functions are programmed on each button.

For best operation, keep radios separated by at least 5 feet (1.6 meters). Using radios too close together can decrease their performance.

Answering the EMS Radio

- **Answer with the name of the ED, and the name and title of the staff answering the radio**
  - **"Hello, this is Kettering Health Dayton, Jane Doe, RN speaking"**
- **Listen to <u>complete</u> report before asking pertinent questions.**
- **Squads are never re-routed on the radio (GDAHA Market)**
- **Remember: Juvare EMResources and Juvare EMTrack have replaced Surgenet and OHTrac**
- **When a squad asks for Medical Control, immediately page for the physician and frequently update the squad on the progress of getting Medical Control on the line**
- **Assign a bed if possible before arrival**