



Healthcare Association of *Hawaii*

# 800 MHz RADIO SYSTEM

## Harris P7200 Portable

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End-User Orientation  
for HAH Coalition Members

HAH Emergency Services

Office: (808) 599-2899

24-hour: (808) 566-5052





**The Harris (formerly M/A COM) P7200 portable radio is used by field responders.**

- Operates on the City & County of Honolulu 800 MHz radio system under an agreement with the Healthcare Association of Hawaii (HAH)
- Latest generation of ‘interoperable’ digital communications technology
- Tough – built to MIL-SPEC standards
- Secure – communications on this radio are difficult to intercept (HIPAA-compliant)

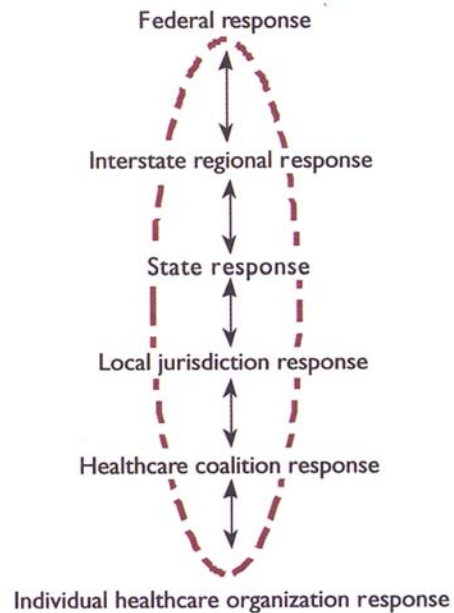


## PURPOSE

This communications technology is provided to members of the HAH Healthcare Emergency Preparedness Coalition for the purposes of facilitating reliable and secure medical communications among:

- Oahu Hospitals
- Oahu Hospitals and EMS providers
- Air and ground ambulance providers
- HAH Emergency Services
- Fire and law enforcement
- Emergency Management
- Hawaii Disaster Medical Assistance Team
- Public health – CDC and State DOH

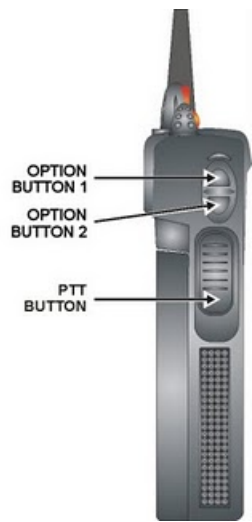
Public health and medical response management across the intergovernmental and public-private divides



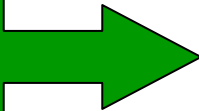


# CONTROLS





Push to Talk  
Button  
(left side of radio)



## PUSH to TALK

- Depress and hold to talk (transmit)
- Wait ~ one second after depressing before you begin talking (beep)
- Maximum continuous talk time is ~ one minute
- Release to listen (receive)



Power and  
Volume



## POWER & VOLUME

- Works exactly like any other power and volume control
- Be sure to turn your radio 'on' and have sufficient volume to receive calls



Special Channels



## SPECIAL CHANNELS

- Keep this control at Position 1 most of the time
- Positions 2 to 11 selects specific repeater sites
- Positions 12 to 15 select national and regional interop channels
- Position 16 is used for walkie-talkie like communications



## DISABLED BUTTONS

- The A/D and SCN buttons have been disabled
- The (orange) emergency button on the top of the radio is also disabled

## RAMP BUTTONS

- Selects HAH-defined and local INTEROP channels
- These are the channels you will use on a daily basis



## OPT BUTTON

- When this button is depressed, your radio will go to the channel 'HAH 1' automatically



## MENU BUTTON

- This button lets you set various features and lock your radio
- To unlock your radio, depress and hold 'M' button then depress down arrow button on left side of radio (above Push to Talk)





# CHANNEL SELECTION





## TURNING the RADIO 'ON'

1. Radio will do a 'Self Test' when you rotate the power and volume control clockwise, then
2. Settle on Channel 'HAH 1'
3. Select your working channel by depressing the Ramp-up or Ramp-down buttons





## HAH 1 HAILING CHANNEL

- HAH 1 is the HAH hailing and disaster tactical operations channel
- It is a *quiet* channel given that very little communications activity is carried on a daily basis
- HAH Emergency Services staff use and monitor this channel during normal working hours
- We highly recommend that non-hospital users leave their radios on this channel at all times – USCG, Hawaii Life Flight, CDC, Priority One Air Rescue, Hawaii DMAT





## HAH 2 WORKING CHANNEL

- HAH 2 is a working channel used primarily by air and ground ambulance providers such as American Medical Response (AMR)
- It can also be used by any other user as a working channel once that user has been 'hailed' on channel HAH 1
- For example, aeromedical providers can use this channel to coordinate ground ambulance transportation with AMR



## HOSPITAL WORKING CHANNELS

- Each hospital has it's own working channel for EMS communications



HAH CMC	Castle Med Ctr
HAH HME	Hawaii Med Ctr – East
HAH HMW	Hawaii Med Ctr – West
HAH KAH	Kahuku Med Ctr
HAH KFH	Kaiser Med Ctr
HAH KMC	Kapiolani Med Ctr
HAH KUA	Kuakini Med Ctr
HAH PAL	Pali Momi Med Ctr
HAH STB	Straub Clinic & Hosp
HAH TMC	Tripler Army Med Ctr
HAH QMC	The Queens Med Ctr
HAH WCC	Waianae Comp Hlth Ctr
HAH WGH	Wahiawa Gen Hosp



## INTEROP CHANNELS

- There are four (4) Interoperability channels on the system
- These channels are used to communicate with various City and County of Honolulu agencies



**INTEROP1** DEM, OTS (bus), Ocean Safety

**INTEROP2** Honolulu Fire

**INTEROP3** Honolulu Police

**INTEROP4** Honolulu EMS

- These interoperability channels (except INTEROP1) are monitored 24/7/365





## HAH FLEET CHANNEL

- HAH FLT (fleet) will simulcast on all channels
- It is used to broadcast emergency warnings and other time-critical advisories to all users
- Only authorized HAH Emergency Services and EMS Dispatch staff may use this channel



Hail these agencies:	On channel:
HAH Emergency Services, USCG, Priority One, Hawaii Life Flight, Hawaii DMAT and CDC quarantine	HAH 1
American Medical Response	HAH 2
Honolulu Department of Emergency Management, OTS (bus), Ocean Safety	INTEROP1
Honolulu Fire Department	INTEROP2
Honolulu Police Department	INTEROP3
Honolulu Emergency Medical Services	INTEROP4
Hospital emergency departments	Use their individual working channels





# HAILING and COMMUNICATING



## HAILING ANOTHER USER



1. Select the appropriate channel
2. Depress the Push to Talk button and wait for the beep (~ one second)
3. Call the other user using the 'TO/FROM' hailing protocol
  - “Queens Medical Center from Pawaa”
  - “Kaiser Medical Center from AMR Life 110”
4. When using an INTEROP channel, use the 'TO/FROM/ON' hailing protocol.
  - “Honolulu EMS from Priority Air Rescue on Interop 4”

## ADDITIONAL GUIDANCE



- Use plain language at all times - do not use unusual abbreviations or 'ten-codes'
- You may not loan or otherwise transfer custody of any radio to another person or agency
- If a radio is misplaced or lost, contact HAH Staff Duty Officer immediately by calling 566-5052
- HAH is the owner of all radio equipment and will maintain the system
- User is responsible for supplying expendable items such as replacement batteries





## TECHNICAL SUPPORT

- Any user experiencing problems with their radio should first:
  1. Replace or recharge their battery
  2. Turn the radio 'off' then back 'on' to reinitialize the radio
  3. Try using another channel to rule-out channel-related problems
- If problems persist, contact the HAH Staff Duty Officer by calling 566-5052
- **DO NOT** contact the City & County of Honolulu, Pacific Wireless or State EMS directly for assistance



## CONCLUSION

- You have been supplied with the the latest in digital communications technology
- Use this equipment to communicate with hospital emergency departments, air and ground ambulance providers, CDC quarantine officers, Hawaii DMAT and HAH Emergency Services
- Protect this equipment from loss and unauthorized use
- Never use channel HAH FLT unless authorized to do so by HAH



## ACKNOWLEDGEMENTS



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