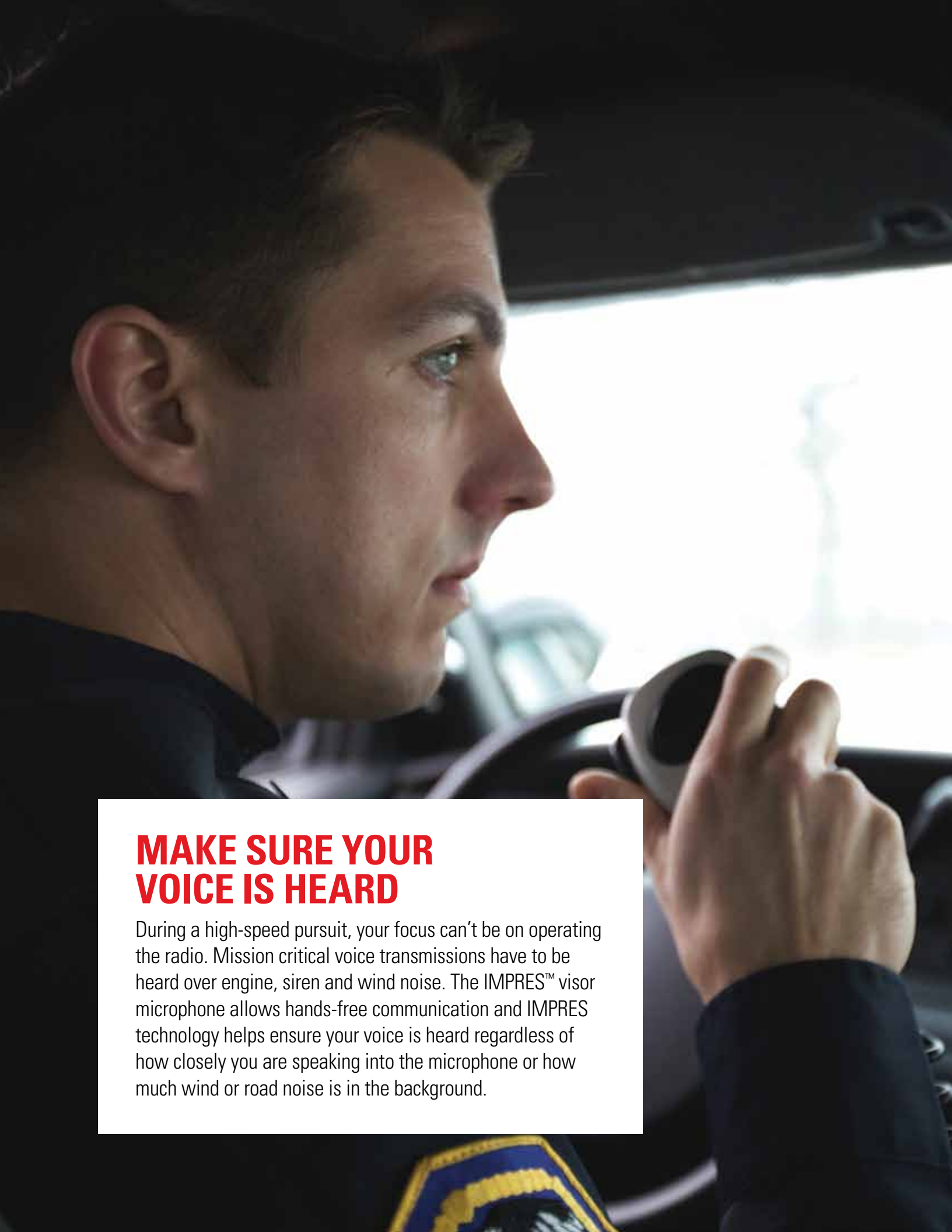
# APX ACCESSORIES. CUSTOMIZE YOUR SOLUTION. MAINTAIN PERFORMANCE.

## ACCESSORIES FOR MOTOROLA'S APX™ PROJECT 25 MOBILES

# MOTOROLA'S MOST ADVANCED MOBILE ACCESSORIES DELIVER EXCEPTIONAL PERFORMANCE.

During a high speed pursuit or commanding a Fireground scene, communication is vital; your focus can't be on operating the radio. The radio has to perform so you can communicate while remaining focused on the mission. Mobile accessories are a critical part of your communications as well. Every mobile microphone, speaker, alarm, and control station accessory is best-in-class technology, designed and optimized specifically for your APX mobile. Many accessories from the Motorola XTL radios that utilize the O5 and O3 control heads can be re-used – maximizing your investment while maintaining the latest technology.



## MAKE SURE YOUR VOICE IS HEARD

During a high-speed pursuit, your focus can't be on operating the radio. Mission critical voice transmissions have to be heard over engine, siren and wind noise. The IMPRES™ visor microphone allows hands-free communication and IMPRES technology helps ensure your voice is heard regardless of how closely you are speaking into the microphone or how much wind or road noise is in the background.

# APX P25 MOBILES
## PROVIDE INNOVATIONS THAT ENHANCE SAFETY AND ELEVATE PERFORMANCE.

Motorola's APX P25 radios deliver exceptional performance by combining advanced voice and data technology driven by challenges of mission critical users. These radios and accessories deliver exceptional performance by combining advanced voice and data technology with legendary Motorola quality. The APX mobile portfolio is both flexible and adaptable, so your mission-critical communication system can meet current and future needs. Available as a mid-power or high-power installation with multiple control head options.

**APX 7500 WITH O5 CONTROL HEAD**

**O9 INTEGRATED CONTROL HEAD (APX 7500 ONLY)**

**APX 6500 WITH O5 CONTROL HEAD**

**O3 CONTROL HEAD**

# COMMUNICATION IS VITAL WHEN COMMANDING A FIREGROUND SCENE

In the midst of chaos when the noise has reached a deafening level, you need every word to reach the places you can't. Dangerous situations can rapidly intensify, you need the ability to communicate in an instant to coordinate response. The APX mobile keypad microphone provides instant access to key radio functions and ensures your voice is heard loud and clear, no matter the conditions.

# AUDIO ACCESSORIES

## KEYPAD MICROPHONE

Access critical features directly on the microphone. Navigational buttons and a full keypad allow users to navigate radio menus, dial phone numbers and send text messages. Three programmable buttons are available for additional customization.

**HMN4079**
Keypad Microphone

## PALM MICROPHONE

Sturdy and durable microphone that provides basic push-to-talk functionality for dependable communications.

**HMN1090**
Standard Palm Microphone

**HMN1089**
Water Resistant Palm Microphone

**HMN1079**
Water Resistant Palm Microphone for motorcycle mounted mobiles (only available with the APX 7500)

**HLN5391**
Spare Microphone Hang-Up Clip

## MICROPHONE EXTENSION CABLES

Allow users to extend microphone cord length. Compatible with HMN1089 and HMN1090 only.

**PMKN4033**
Microphone Extension Cable – 10 feet
**PMKN4034**
Microphone Extension Cable – 20 feet
**PMKN4093**
Microphone Extension Cable – 2 feet

## TELEPHONE HANDSET

The telephone handset provides a flexible, discreet option when using a mobile radio for private conversations in a vehicular environment. The keypad model allows users to dial phone numbers and send text messages.

**HMN4097**
Telephone Keypad Handset with Hang Up Cup

**HKN1018**
Hang Up Handset with Normal Armored Cable (Old Style)

**HLN1457A**
Handset with Hang Up Cup

## HANDS-FREE AUDIO ACCESSORIES

**IMPRES Visor Microphone**

IMPRES technology optimizes audio communication despite the vehicle background noise. This small microphone mounts to vehicle's visor for convenient hands-free radio operation and safety while in a vehicle.

**RMN5054**
IMPRES Visor Microphone

## ADVANCED IMPRES™ AUDIO ACCESSORIES

Mission critical voice transmissions have to be heard over engine, siren, road and wind noise. Fortunately, Motorola's exclusive IMPRES audio accessories are designed to optimize its output based on the accessory in use. IMPRES Visor Microphones are able to pick up and transmit the user's voice consistently to the receiving user regardless of how close they are speaking into the microphone.

# AUDIO ACCESSORIES

## EMERGENCY SWITCHES

These accessory switches interface with the visor microphone and enable users to send emergency messages to desktop consoles where signaling unit ID number is displayed and alarm is sounded.

**HLN5113**
Emergency Footswitch

**HLN5131**
Emergency Push Button

## EXTERNAL PUSH-TO-TALK OPTIONS

**GLN7278**
Footswitch Push-to-Talk

**RLN5926**
Push button Push-to-Talk

# CONTROL STATIONS, TRUNIONS, ALARMS & CABLES

## CONTROL STATION ACCESSORIES

**Desktop Microphone and Tray**
Users can conveniently convert an APX mobile into a basic base station. This is an ideal solution for dispatch and transportation users.

**RMN5070**
Desktop Microphone

**HLN6042**
Desktop Tray with Speaker

**HPN4007**
Control Station Power Supply (110V, 15 amps 25-60W rated)

**3060665A04**
110V Line Cord

## HARDWARE KITS

**Trunion Kits**
These hardware kits mount the mobile in the vehicle

**HLN7003**
High Power Trunion Kit
(Quick Release with Lock)

**HLN7002**
Mid Power Trunion Kit
(Standard Bracket Installation)

**HLN6372**
Mid Power Trunion Lock

## ALARMS

**External Alarm Accessories**
These accessories enable additional switching power when external accessories are attached.

**HLN6953**
External Alarm Buzzer

**HLN6969**
External Alarm Relays

**HLN1224**
Auxiliary Switch Panel

# CONTROL STATIONS, TRUNIONS, ALARMS & CABLES

## CABLES

**O3 Handheld Control Head Cables**

**PMLN4958**
O3 Handheld Control Head 17-foot Extension Cable - connects the O3 control head to the transceiver

**PMLN4959**
O3 Handheld Control Head Accessory Cable - provides additional connections on the transceiver for mobile accessories

## CONTROL HEAD ACCESSORY CABLES

These cables connect the APX mobile to the car battery

**HKN6187**
Cable provides connections for control head power, speaker, headset jack

**HKN6188**
Cable provides Control Head Power and Speaker

## PROGRAMMING CABLES

**HKN6163**
6-foot USB Cable, rear accessory port connection, dash mount installations, for use with the customer programming software (CPS)

**HKN6172**
15-foot USB Cable rear accessory port connection, remote mount installations, for use with the customer programming software (CPS)

## POWER CABLES

**HKN4191**
10-foot Mid Power Cable for dash mount installations

**HKN4192**
20-foot Mid Power Cable for remote mount installations

**HKN6110**
20-foot 100W Power Cable for high power remote mount installations

**HLN6863**
Mid-Power Rear Ignition Cable for dash mount installations

## DATA CABLES

**HKN6160**
6-foot RS232 Cable for rear accessory port, dash mount installations

**HKN6161**
20-foot RS232 Cable for rear accessory port, remote mount installations

**HKN6183**
RS232 Cable for mobile microphone port (MMP)

**HKN6122**
22-foot RS232 Cable for J600 transceiver interconnect board (TIB)

## REMOTE MOUNT CONTROL HEAD CABLES

Remote Mount cables enable users to separate the mobile control head from the transceiver. This is beneficial when there is limited space in the dash or console for the mobile.

**HKN6164**
131-Foot Remote Mount Cable

**HKN6165**
115-Foot Remote Mount Cable

**HKN6166**
75-Foot Remote Mount Cable

**HKN6167**
50-Foot Remote Mount Cable

**HKN6168**
30-Foot Remote Mount Cable

**HKN6169**
17-Foot Remote Mount Cable

**HKN6170**
10-Foot Remote Mount Cable

**HKN6186**
Remote Mount Control Head Trunion bracket to mount control head

**HLN7031**
Low Profile Remote Mount Control Head Trunion Kit bracket to mount control head

# CONTROL STATIONS, TRUNIONS, ALARMS & CABLES

**HKN6196**
Remote Control Head Vehicular Interface Port (VIP) Connector for O5 Control Heads

**HLN6961**
Remote Control Head Mobile Accessory Port (MAP) Connector for O5 Control Heads (rear connector)

## MOTORCYCLE ENCLOSURES

Weather-resistant metal enclosure houses the radio on a motorcycle. Available only with the APX 7500.

**HLN7022**
Motorcycle Enclosure, Black

**HKN6032**
Motorcycle Power Cable

**3075217A01**
Motorcycle Remote Cable for O5 Control Head

## MISCELLANEOUS CABLES

**TKN8531**
Keyloader Cable KVL3000

**HKN6182**
Keyloader Adapter for mobile microphone port (MMP), 1.5" Cable

# SPEAKERS & SIRENS

## SPEAKERS

**External Loudspeakers**
Control station accessories that enable users to listen to radio communications in high noise environments. The 13 watt model provides the audio level needed for extreme noise environments.

**HSN4038**
Water Resistant Speaker (7.5 Watt Rated Audio), Remote Mount

**HSN4040**
Water Resistant Speaker (15 Watt Rated Audio), Remote Mount

**HSN4018**
Water Resistant Motorcycle Speaker (13 Watt Rated Audio)

**HSN4032**
Non Water-resistant Speaker (13 Watt Rated Audio)

## SIREN HORNS

**For Sirens and Public Address Kits**
These external loudspeakers enable users to utilize the radio as a public address system.

**TDN6251**
Siren Speaker, Round with Chrome Finish

**TDN6252**
Siren Speaker, Rectangular with White Finish

**TDN6253**
Siren Speaker, Under Hood with Gray Finish

**TDN6254**
Siren Speaker, Round with Gray Finish

# SPEAKERS & SIRENS

## SIRENS/DIRECT ENTRY KEYPADS

Direct Entry Keypads give users the ability to transmit short messages or operate mode functions such as opening a door or activating a siren via the mobile radio.

**H1338**
Status/Message Direct Entry Keypad – 8 button

**H1339**
Status/Message Direct Entry Keypad – 16 button

**H1615**
Mode Direct Entry Keypad – 8 button

**H1336**
Siren/Public Address Kit with Direct Entry Keypad – 8 Button. This siren/public address kit provides controlled tones for hi/low, yelp and airhorn through supplemental housing. This kit works with the O5 Control Head only. This siren/public address kit provides controlled tones for hi/low, yelp and airhorn through supplemental housing. This kit works with the O5 Control Head only.

**HLN1439**
Mobile Siren

**HLN6819**
Siren Switchbox

**HKN6146**
Siren Cable, connects the O3 siren to switchbox

**HKN6145**
Siren Cable to Direct Entry Keypad for APX mobiles with the O3 handheld control head

**HKN6189**
Direct Entry Keypad Cable Adapter - connects DEK assembly to rear of O5 control head

**HKN4363**
Siren Cable, connects to O5 siren to switch box

## UNIVERSAL RELAY CONTROLLER (URC)

URCs connect with the O9 control head and allow it to operate the lightbar.

**PMUN1046**
Includes 10 DC outputs with 15 amps per channel

**3064153H02**
Universal Relay Controller to Transceiver Cable

# ANTENNAS

## THROUGH-HOLE MOUNT ANTENNAS

If the mobile is programmed with multiple RF bands, one mobile antenna is required for each band. Each frequency band has its own RF port.

## VHF ANTENNAS

**HAD4006**
136-144 MHz 1⁄4 Wave

**HAD4007**
144-150.8 MHz 1⁄4 Wave

**HAD4008**
150.8-162 MHz 1⁄4 Wave

**HAD4009**
162-174 MHz 1⁄4 Wave

**HAD4016**
136-162 MHz 1⁄4 Wave

**HAD4017**
146-174 MHz 1⁄4 Wave

**HAD4021**
136-174 MHz Wideband

**HAD4022**
136-174 MHz 3.0dB Gain

**RAD4010ARB**
136-174 MHz, 3dB Gain

## UHF ANTENNAS

**HAE6012**
380-433 MHz, 1/4 Wave

**HAE4003**
450-470 MHz, 1/4 Wave

**HAE4004**
470-512 MHz, 1/4 Wave

**HAE4011**
450-470 MHz, 3.5 dB Gain

**HAE4012**
470-495 MHz, 3 dB Gain

**HAE4013**
494-512 MHz, 3 dB Gain

# ANTENNAS

**HAE6010**
380-433 MHz, 3.5 dB Gain
**HAE6011**
380-433 MHz, 5 dB Gain

**RAE4014ARB**
445-470 MHz, 5 dB Gain
**RAE4016ARB**
494-512 MHz, 5 dB Gain

**HAE6013**
380-470 MHz, 2 dB Gain Wideband
**HAE6015**
450-520 MHz, 2 dB Gain Wideband
**HAE6031**
380-520 MHz, 2 dB Gain Wideband

**HAE6016**
450-512 MHz, Low Profile

## 700-800 MHZ ANTENNAS

**HAF4013**
762-870 MHz 3dB Gain Low Profile

**HAF4014**
762-870 MHz 3dB Gain
Elevated Feed

**HAF4016**
762-870 MHz 1⁄4 Wave
Through-hole Mount

**HAF4017**
762-870 MHz 3dB Gain Collinear
Through-hole Mount

## MOTORCYCLE MOUNT ANTENNAS

**RAD4002ARB**
VHF, 136-144 MHz 1/4 Wave
**RAD4003ARB**
VHF, 144-150.8 MHz 1/4 Wave

**RAD4004ARB**
VHF, 150.8-162 MHz 1/4 Wave
**RAD4005ARB**
VHF, 162-174 MHz 1/4 Wave

**HAF4015**
700/800 MHz,
762-870 MHz 3dB Gain

**HAF4018**
700/800 MHz, 762-870 MHz Low Profile

**HAE6014**
UHF, 380-433 MHz 1/4 Wave

**HAE6032**
UHF, 425-470 MHz 1/4 Wave

**HAE6033**
UHF, 450-482 MHz 1/4 Wave
**HAE6034**
UHF, 482-512 MHz 1/4 Wave

**HAE6035**
UHF, 450-512 MHz Low Profile

## GPS ANTENNAS

A separate GPS antenna is required in addition to the mobile RF antenna if GPS capability is required.

**HAG4000**
GPS Roof Mount Antenna

**HAG4001**
GPS Motorcycle Antenna

**PMAN4001**
GPS Glass Mount Antenna

# APX MOBILE RADIOS SAFETY REDEFINED.

Go online to motorola.com/apx for more information about each of the APX Mobiles.

- Interactive 360-degree views of each model.
- Complete hardware specs, including Performance Characteristics, Physical Characteristics, and Radio Features.
- View complete accessory portfolio.
- Downloadable product brochures and specification sheets.
- Downloadable white papers.

## TECHNOLOGY THAT'S SECOND NATURE™

At the heart of every mission is the ability to communicate in an instant to coordinate response and protect lives. Today, Motorola is putting real-time information in the hands of mission critical users to provide better outcomes. Our powerful combination of next generation technologies are transforming public safety operations by strengthening the mission critical core with broadband connections, rich-media applications, collaborative devices and robust services. It's Technology That's Second Nature. To find out more, visit motorola.com/nextgen.

**www.motorola.com/apx**

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