



# APX NEXT XE ACCESSORIES



# APX NEXT XE

FOCUSED IN THE **EXTREME**



## APX NEXT XE ALL-BAND P25 SMART RADIO

### A MISSION-CRITICAL VOICE & DATA. ROOTED IN SAFETY.

Your radio is your lifeline. APX NEXT® XE is our next step in advancing it. Designed for ruggedness in extreme environments and with our best audio ever. Exaggerated controls now paired with a tough touchscreen that works with or without gloves, in the hottest, wettest, grittiest conditions. SmartConnect keeps you connected even beyond your radio system. The result is a radio that works when you need it, without pause, distraction or doubt.

### EFFORTLESS IS ALWAYS IN REACH

APX NEXT XE is designed for effortless usability when everything is on the line. Oversized, intuitive knobs and buttons are easily distinguished by touch. A mission-critical touchscreen makes it fast and easy to operate your radio. ViQi understands a huge range of natural language voice commands, so you can operate the radio with eyes-up awareness. Every interaction is simple, fast and logical. You stay focused on what matters—your call, your crew and your safety.

### BRING NEW INTELLIGENCE TO THE POINT OF ENGAGEMENT

APX NEXT XE application services bring new intelligence to the field - right into your hands. Additions such as ViQi, SmartMessaging, SmartMapping, and SmartLocate rapidly give firefighters vital information, from pin point location details to important multimedia to improve situational awareness. And as part of our unique, end-to-end public safety ecosystem, APX NEXT XE data and operations are secure, and new capabilities can be seamlessly added as your needs evolve.

### PROVISION & UPDATE YOUR FLEET IN MINUTES, NOT MONTHS

APX NEXT XE gives you back time: a cloud-based provisioning system allows you to prepare radios before they arrive. Remote updating keeps radios in the field, with zero touch and zero downtime. MyView Portal provides direct access to subscriptions, warranties and licenses, and a range of services helps you manage your operation. With APX NEXT XE, your ownership experience is streamlined, so your firefighters stay focused and ready.

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EXPAND AND CUSTOMIZE YOUR RADIO'S  
FUNCTIONALITY WITH BEST-IN-CLASS ACCESSORIES.



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# ANTENNAS

DESIGNED FOR  
WEARABILITY



# ANTENNAS

## DESIGNED FOR WEARABILITY

### DETAILS

Motorola Solutions' redesigned antennas provide convenience without compromising performance. Shorter and more flexible, these antennas conform to the users' mission critical environments.

- The 7/800MHz and UHF Stubby Antennas deliver great coverage but in a compact form factor that won't snag on clothing or equipment.
- The Whip, Single and All-band Antennas are fabricated using a new polymer that delivers 40% better flexibility.

### SPECIFICATIONS

	Stubby			Single Band		All-band
<b>Part Number</b>	AN000296A01	AN000369B01	AN000369B02	AN000392A01	AN000393A01	AN000297A01
<b>Frequency Range</b>	760-870 MHz	380-470 MHz	450-527 MHz	762-870 MHz	350-520 MHz	136-174MHz, 380-520MHz, 760-870MHz
<b>Length</b>	2.6 in (65 mm)	3.5 in (90 mm)	3.5 in (90 mm)	6.3 in (160 mm)	5.5 in (140 mm)	7.9 in (200 mm)
<b>Integrated GPS</b>	No	No	No	No	No	No

### ANTENNA ID BANDS

Colored antenna ID bands are available for easy customization and come in packs of 10.

-  32012144001 Gray
-  32012144002 Yellow
-  32012144003 Green
-  32012144004 Blue
-  32012144005 Purple

**Will the new antennas in APX NEXT (stubby single-band and flexible all-band) work with other APX family radios such as the APX 8000 and APX 6000?**

No. The current APX antennas have an embedded GPS antenna. The APX NEXT antennas do not have an internal GPS element because the hardware is located inside the radio itself. This means that APX NEXT antennas cannot be used with other models of APX radios.



Stubby

Single band

All-band

# AUDIO

HEAR AND BE HEARD  
LIKE NEVER BEFORE



# XVE500 RSM

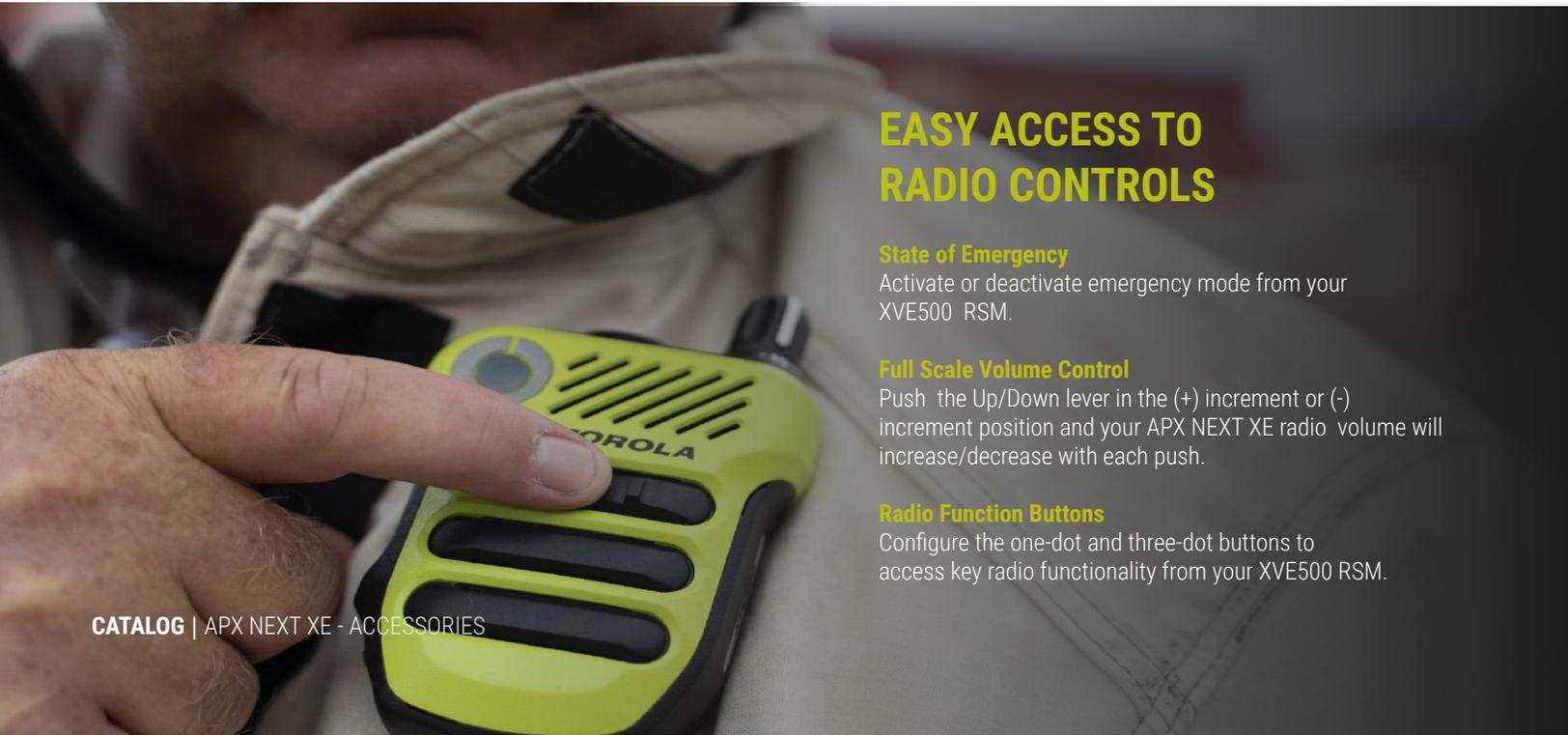
**HEAR AND BE HEARD LIKE NEVER BEFORE**

## DETAILS

Newest to the Xtreme Voice Remote Speaker Microphone lineup, the XVE500 is the next generation mission-critical RSM designed for optimal use with APX NEXT™ XE. Equipped with four high dynamic range mics, automatic audio leveling and noise reduction, and built in ViQi button, the XVE500 RSM delivers the clearest and loudest audio communications with easy access to radio controls and critical information. Whether you are in the heat of a fire or exposed to extreme weather conditions, the XVE500 will keep you connected to your team. This RSM was designed to withstand heat exposure of 500°F (260°C) for up to 5 minutes.

## KEY FEATURES

- Heat resistant housing and cable
- Loudest, clearest speaker
- Four High Dynamic Range (HDR) microphones
- Dedicated ViQi button
- Enhanced windporting
- New adaptive noise suppression



## EASY ACCESS TO RADIO CONTROLS

### State of Emergency

Activate or deactivate emergency mode from your XVE500 RSM.

### Full Scale Volume Control

Push the Up/Down lever in the (+) increment or (-) increment position and your APX NEXT XE radio volume will increase/decrease with each push.

### Radio Function Buttons

Configure the one-dot and three-dot buttons to access key radio functionality from your XVE500 RSM.

# EASY ACCESS TO ViQi

ViQi IS YOUR VIRTUAL ASSISTANT, DESIGNED FOR PUBLIC SAFETY. THE THREE-DOT DEDICATED ViQi BUTTON ON YOUR XVE500 RSM ALLOWS YOU TO OPERATE ViQi FROM YOUR SHOULDER.

It's ViQi's job to quickly provide the information you need to stay safe and effective. Use voice commands to run database queries for quick access to information and keep eyes up intelligence.

She understands natural language voice commands, from changing zone, channel and volume, to getting status checks. All while keeping your hands free and your focus on your surroundings.

Click [here](#) to learn more about ViQi.



# SPECIFICATIONS

## GENERAL

<b>Part Number</b>	PMMN4132, High Impact Green PMMN4132_BLK, Black
<b>Compatible Radios</b>	APX NEXT XE, APX8000XE (2020.4 minimum firmware required)
<b>Dimensions (RSM Head only)</b>	3.86 x 2.96 x 1.3 in (98 x 75 x 34 mm)
<b>Weight (Total Kit)</b>	12.34 oz. (350 g)
<b>Color</b>	Available in High Impact Green and Black
<b>Power Source</b>	APX NEXT XE Radio
<b>Clip</b>	360° Rotating Clip with D-Ring
<b>Replacement Clip</b>	PMLN7633

## MICROPHONE

<b>Type</b>	Quad Beam
<b>Sensitivity</b>	-42dBV Typical
<b>Distortion (THD)</b>	< 5%, Wideband
<b>IMPRES™</b>	Yes
<b>Noise Cancellation</b>	4 Microphone Adaptive Noise Suppression Algorithm
<b>Windporting</b>	Yes

## CONTROLS

<b>Top</b>	Emergency (Orange), Channel Knob (16 positions)
<b>Side</b>	PTT, 1 Programmable (1-dot)
<b>Front</b>	1 Programmable (3-dot ViQi)
<b>Volume</b>	Up/Down (10 steps)
<b>Strobe</b>	1 Strobe Light Control (front facing)
<b>Replacement Knob</b>	PMLN7653

## SPEAKER

<b>Diameter</b>	1.5 in (47 mm)
<b>Distortion (THD)</b>	< 15%

## COILED CABLE

<b>Length</b>	7 in (178 mm) Coiled Length
<b>Flex Life</b>	100k Cycles Minimum
<b>Pull Strength</b>	40 lbs (18.14 kg) Minimum
<b>Cable Jacket</b>	Robust Polycarbonate, Black
<b>Replacement Cable</b>	30009402007

## ENVIRONMENTAL

<b>Operating Temperature</b>	-30°C to +60°C (-22°F to +140°F)
<b>Storage Temperature</b>	-55°C to +85°C (-67°F to +185°F)
<b>Mil Specs</b>	MIL810H Method 506.5 (Rain), MIL810H Method 509.5 Procedure 1 (Salt Fog), MIL810H Method 510.5 Procedure 1 (Dust), MIL810H Method 514.6 Procedure 1 Category 24 (Vibration), MIL810H Method 516.6 Procedure 1 (Shock)
<b>ESD</b>	IEC / EN 61000-4-2
<b>IP Rating</b>	IP68 (2 meters, 4 hours)
<b>Impact Grill</b>	1.25 in (31.75 mm) Diameter Steel Ball Drop
<b>Work-When-Wet</b>	Yes

## HAZARDOUS CERTIFICATION

Div 2, Class II (Group E, F and G). The XVE500 RSM is UL certified Motorola APX NEXT XE and APX8000XE radios, please see your radio's UL manual for more information.



### Can you use Voice Control or Virtual Partner from an accessory with the APX NEXT XE radio?

The XVE500 RSM is the only rugged accessory with which Voice Control and Virtual Partner are accessible in an extreme environment.

### What are the differences between the new XVE500 RSM and the previous APX XE500 RSMs?

The XVE500 RSM includes the following:

- A larger, more clear speaker
- Four high dynamic range microphones
- Enhanced windporting design
- Better ergonomics
- New adaptive noise suppression
- Dedicated ViQi button

# AUDIO

## HEAR AND BE HEARD LIKE NEVER BEFORE

### SURVEILLANCE KITS



**IMPRES™  
Two-Wire Surveillance Kit, Beige**

PMLN6130



**IMPRES Over-the-Ear  
Two-Wire Surveillance Kit, Black**

PMLN6127



**Two-Wire Surveillance Kit  
With Translucent Tube, Black**

RLN5312 (Requires BDN6783)



**APX™ 3.5mm Threaded Audio  
Accessory Adapter**

BDN6783



**IMPRES  
Two-Wire Surveillance Kit, Black**

PMLN6129

### EARPIECES



**3.5 mm Extra Loud Receive-Only  
Earpiece with Translucent Tube**

RLN4941\_XL



**3.5 mm Receive-Only  
Earpiece with Covered Earbud**

AARLN4885

### Fire Market Solution

The XVE500 RSM clip paired with a clip button allows easy and secure access to your RSM when used with a Boston Radio Strap with Button Back Holder.



**Clip Button**

NNTN8749



**Boston Leather Strap**

AY000229A01



**Boston Leather Strap XL**

AY000223A01

### Will APX accessories work with APX NEXT XE?

APX NEXT XE has the same audio accessory port as other APX radios. Some APX accessories, including surveillance kits, are certified and others are not. Batteries and single-unit chargers will be different. APX NEXT XE utilizes Bluetooth® 5.0 and the NFC Bluetooth standard. Therefore, MPP Bluetooth accessories will not be compatible. Please check with your technical sales representative for more details.



**CARRY**

SECURE, EASY ACCESS



# CLASSIC HOLSTER

SECURE, EASY ACCESS

## DETAILS

We've designed APX NEXT XE carrying accessories to ensure your radio remains easily retrievable for quick use, but secure and in place for whatever your call entails. Notably, both the classic holster and Boston Leather carry case are equipped with a D-ring and which allows the user to attach the radio to a radio strap or belt right out of the box. The holster design also allows for drop-in charging, battery swap of any size, and insertion of the radio while attached to the RSM. Attach the rugged belt clip, equipped with spring-action so you can securely hold your radio while being worn on your waist.

## KEY FEATURES

- Designed with a durable plastic for use in extreme environments
- Improved device retention compared to APX carry holsters
- Built-in audio ports enable you to leave your radio in the case for audio applications without degrading device transmit and receive performance
- Integrated, secured D-ring allows you to attach your radio to a radio carry strap and anti sway strap
- Accommodates connection of the XVE500 RSM
- Designed to enable device charging in the IMPRES 2 Multi-Unit Charger while secured using the 2.5" or 3.0" belt clip attachment
- Ships in box with APX NEXT XE with the option to replace with the Boston Leather Carry Case

## PART NUMBER SPECIFICATIONS

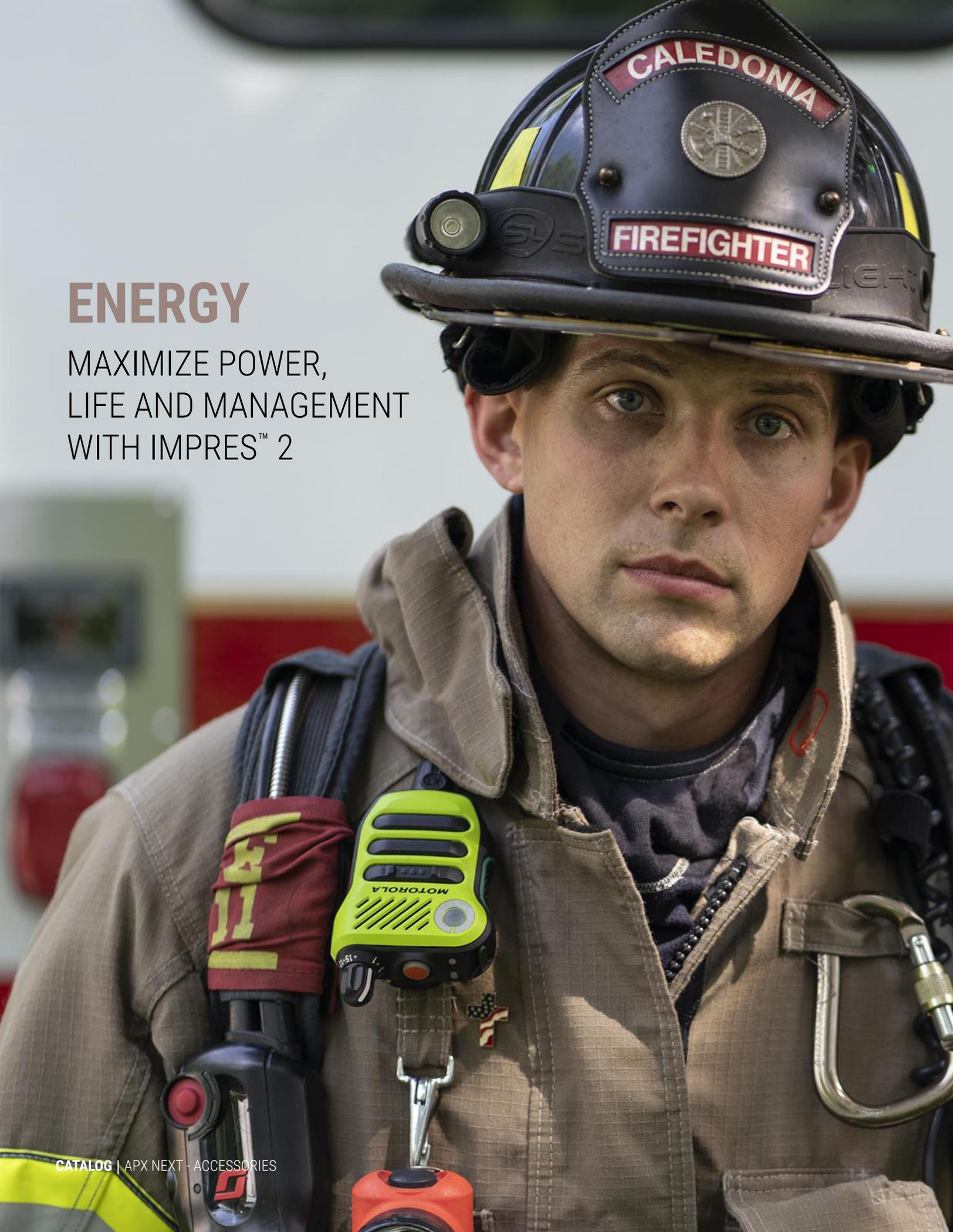
	Part Number	Use with Batteries	Attachments (sold separately)
<b>Classic Holster</b>	PMLN8208	NNTN9217 NNTN9090	<b>Belt Clip</b> 2.5" - NTN8266 3" - PMLN7965
<b>Boston Leather Carry Case</b>	PMLN8209	NNTN9217	
<b>Boston Leather Fireman's Radio Strap</b>	RLN6486		
<b>Boston Leather Fireman's Radio Strap XL</b>	RLN6487		
<b>Boston Leather Fireman's Radio Strap with Button Back Holder</b>	AY000223A01		
<b>Boston Leather Fireman's Radio Strap with Button Back Holder</b>	AY000229A01		
<b>Boston Leather Anti Sway Radio Strap</b>	RLN6488		



APX NEXT XE CLASSIC HOLSTER  
(Radio sold separately)



APX NEXT XE CLASSIC HOLSTER - BACK VIEW  
(3" belt clip attached)



# ENERGY

MAXIMIZE POWER,  
LIFE AND MANAGEMENT  
WITH IMPRES™ 2

# IMPRES 2 BATTERIES

## LONG LASTING LIFELINE

### SPECIFICATIONS

	Standard HazLoc <sup>3</sup>	High Capacity HazLoc <sup>3</sup>
<b>Part Number</b>	NNTN9217	NNTN9090
<b>Capacity</b>	4400 mAh UL Div 2	5650 mAh UL Div 2
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to +140°F)	-30°C to +60°C (-22 °F to +140 °F)
<b>IP Rating</b>	IP68 <sup>4</sup> APX NEXT System Rating	IP68 <sup>4</sup> APX NEXT System Rating
<b>APX NEXT Operating Time</b>	14 hrs <sup>5</sup>	18 hrs <sup>5</sup>
<b>Availability</b>	In-Box Order Option or Aftermarket	In-Box Order Option or Aftermarket

### KEY FEATURES

- Built with highest energy density cells yet
- Backed by a 24-Month Capacity Warranty<sup>2</sup>
- 48 month workmanship warranty

For IMPRES 2 battery care tips, please visit  
<http://motorolasolutions.com/batterycare>



STANDARD CAPACITY

HIGH CAPACITY

1. APX NEXT battery maintenance require IMPRES 2 charger solutions.
2. 24 month capacity warranty applicable only when battery is maintained with IMPRES 2 chargers
3. HazLoc: listed by UL to non-incendive standards: UL 121201 and CAN/CSA C22.2 No. 213-17 as safe for use in Class I, Division 2, Groups A,B,C,D; Class II, Division 2, Groups F,G; Class III Hazardous (Classified) Locations.
4. IP68: APX NEXT radio with battery attached submerged in 2 meters of water for 4 hours
5. APX NEXT operation life based on land mobile radio 5/5/90 use profile, touchscreen: on 1hr, SmartConnect: 30 mins, LTE: DRX Idle, GPS: Off, Bluetooth: Off, WiFi 80/20, NFC: Off, RSM connected

# IMPRES 2 CHARGERS

## MAXIMIZE POWER, LIFE AND MANAGEMENT

APX NEXT XE requires IMPRES 2 charger technology available in single unit (SUC) and multi unit (MUC) charger configurations. Owners of an APX IMPRES 2 multi unit charger (NNTN8844) may convert one or more APX pockets with the field installable APX NEXT pocket.

### IMPRES 2 MULTI-UNIT CHARGER

Charge up to six APX NEXT XE batteries simultaneously for more efficiency.

- IMPRES 2 charging algorithms increase charge cycles up to 60% over non-IMPRES
- Six pocket displays to view enhanced diagnostics<sup>1</sup>
- Disable calibration mode<sup>2</sup> or enable long term storage mode<sup>3</sup>
- Optional wall mount kit NLN7967 available
- California Energy Commission (CEC) energy efficiency compliant

### IMPRES 2 SINGLE-UNIT CHARGER

Charge your battery by itself or while it's attached to the radio.

- Advanced IMPRES 2 charging algorithms
- Ability to disable calibration mode via mode selection switch
- California Energy Commission (CEC) energy efficiency compliant

### APX NEXT POCKET for APX MULTI-UNIT CHARGER

- End user field upgradeable
- Create APX NEXT/APX mixed device multi-unit charger

## SPECIFICATIONS

Product	Part Number	Dimensions	USB Charging Ports
IMPRES 2 Multi-Unit Charger	NNTN9115	7.8 x 17.5 x 10.3 in (197 x 445 x 262 mm)	6
IMPRES 2 Single-Unit Charger	NNTN9199	2.8 x 3.9 x 4.8 in (70 x 100 x 123 mm)	2
APX NEXT Pocket for (Only for use with NNTN8844)	NNTN9212	N/A	N/A

1. IMPRES 2 MUC display diagnostics: battery day 1 available capacity, current available capacity, rated capacity, part number, serial number, use cycles
2. Motorola recommends a calibration procedure be performed on an IMPRES 2 battery every 28 days to maintain best APX NEXT device fuel gauge accuracy
3. Long term storage mode keeps a battery in a selectable 50% or 70% state of charge.



IMPRES 2 MULTI-UNIT CHARGER



APX NEXT POCKET FOR  
IMPRES 2 MULTI-UNIT CHARGER



IMPRES 2 SINGLE-UNIT CHARGER



For more information, please visit  
[motorolasolutions.com/apxnextxe](https://motorolasolutions.com/apxnextxe)



  
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**NEXT XE**  
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