



**rf** Services, Inc.

# CATALOG

## MOTOROLA CP100D

The affordable CP100d radios offer all the benefits of digital technology – up to 35% longer talk-time, twice the voice capacity in a 12.5 kHz licensed channel, wider radio coverage and superior audio.

## NATIONWIDE PUSH-TO-TALK FOR GROWING YOUR BUSINESS

Combining the broad coverage of a nationwide cellular network with the ease of two-way radio communications, the WAVE TLK Series Portable and Mobile Two-Way Radio gets your team connected fast.

## VT100 BODY-WORN CAMERA

A new perspective when it matters most. The VT100 delivers a customizable and fully integrated enterprise mobile video solution. 720p HD video. Remote alarm activation. Customer-friendly design. Seamless integration with existing CCTV.

## MIGRATE TO DIGITAL AT YOUR OWN PACE

It's easy to migrate to digital with Motorola Solutions' Commercial Series digital radios because they can operate in analog and digital modes concurrently.

## XPR 3000e SERIES

With this dynamic evolution of MOTOTRBO™ digital two-way radios, you're better connected, safer and more efficient. The XPR™ 3000e Series is designed for the everyday worker who needs effective communications.



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# ABOUT US



*rf* Services, Inc.



rf Services was founded in 1977 by Mike and Gayle Bentley and was incorporated in 1985. Today, we are proud to be a Value-Added Distributor for Motorola Solutions. We have programs and offerings that can make each customer's business profitable and run smoothly. The company attends all local and national trade shows to stay abreast of the latest developments in the wireless communications industry. Our customers will have access to the finest engineers in our product mix, along with over 100 years of combined experience within our company. Our inventory consists of products that a traditional two-way radio dealer uses on a daily basis. We look forward to the future challenges facing our industry and servicing our dealer base.

We offer a wide range of technical services such as base station and mobile duplexer tuning and installation, radio refurbishing kits, custom jumpers, cable termination with any style connector, radio programming of Motorola Solutions and Vertex Standard-related equipment. Other services offered include FCC license acquisition and renewals, radio engraving, equipment financing, drop ship and direct billing. We provide on-site sales and technical training to our dealers as well as trade show assistance on a regular basis.

We are always trying to improve the way we serve our customers and welcome all comments and suggestions. In closing, we would like to say "thank you" to the many accounts that have made us successful over the years.



## ***BUY FROM THE COMPANY THAT REWARDS YOU***

Reach your volume goal and receive a 2% credit on your account for all of your rf Services purchases. Order all of your accessories and systems-related products through rf Services and we will include your Vertex Standard purchases if you are an authorized dealer. Buy from the distributor that rewards you!

**DIFFERENT. WIRELESS. DISTRIBUTION.**

# OUR SERVICES

## RFS TECHNICAL SERVICES

We are a services-oriented distributor that offers the following technical services to our customers:

### RFS TECHNICAL SERVICES

TUNING, INSTALLATION, CUSTOM CUT CABLE & TERMINATION, RADIO PROGRAMMING.



## RFS FINANCIAL SERVICES

We have partners who can facilitate financing services such as government and commercial equipment leases/purchases, direct billing as well as flexible payment options.

### RFS FINANCIAL SERVICES

EQUIPMENT LEASING & FINANCING, GOVERNMENT FINANCING, DIRECT BILLING



## RFS LICENSING SERVICES

We offer FCC license acquisition services and RF coverage mapping solutions to support our customers and propose complete system solutions.

### RFS LICENSING SERVICES

FCC LICENSE ACQUISITION & rf COVERAGE MAPPING



## RFS ENGRAVING SERVICES

Engraving two-way radios is the latest value-added service we are offering to our customers.

### RFS ENGRAVING SERVICES



# LINE CARD



Tone & Voice, Numeric, Alphanumeric, Nurse Call, Transmitters and Wireless LED Displays



Portable Radio Accessories: Audio and Carrying Cases



Racks, Cabinets and Enclosures



Antennas: Connectivity Solutions for LMR mobile, portable, base stations, GPS and RFID



RF Amplifiers



Voice Scramblers, Encoders/Decoders, ANI, Remotes, Telephone Interconnect and Filter Products



Transmit Combiners, Receive Multicouplers, Duplexers, Repeater Monitors and BDAs



Aftermarket Rechargeable Batteries for LMR/FRS Radios, Pagers and Flashlights



Aftermarket Chargers: Single Unit, Multi-Unit and Vehicular Chargers



Antennas: Mobile, GPS, Infrastructure, In-Building, LTE, DAS and MIMO antennas. Also offering Times Microwave cable products



Interoperability, Networking Products and Voting Systems



Antenna solutions for devices, vehicles and infrastructure for 30 MHz to 6 GHz, all made in the USA



Lightning Protection

# LINE CARD



Wired and Bluetooth Audio Accessories for LMR Portable and Mobile Radios



Remotes, Extensions, Termination Panels



RF Connectors and Adapters



Mobile Video Solutions for schools, law enforcement, transit, rear vision and more



Power Supplies



Leather and nylon cases for two-way radios



Power conversion products



VHF Marine Antennas and Accessories



Audio and Video Products



VHF Marine Radios, Loudhailers and Accessories



Lights, sirens, LEDs and flashers



Airband Handheld Radios

# MOTOROLA COMMERCIAL SERIES RADIOS

## KEEPING EMPLOYEES SAFE AND SOUND IS THE MOST IMPORTANT JOB OF ANY BUSINESS.

Motorola Solutions' radios deliver the essential capabilities your team needs and the value you demand. They also provide things you might not expect, such as dedicated, licensed communication and a wider coverage area. So whether your people are working in front of customers, out in the field, or on the factory floor, they can communicate more effectively and work more efficiently. All without breaking your budget.

Start by minimizing distracting crosstalk in conversations by using licensed radios on a dedicated frequency. Expand your coverage across a campus or up multiple floors of a building. Experience proven audio quality so your employees are heard loud and clear. Rely on safety features that help keep workers protected in case of emergencies. And enjoy battery life that lasts an entire shift, reducing downtime and increasing productivity.

Whether you choose a Motorola Solutions digital radio or an analog series device, there's one that's perfect for your team. Motorola Commercial Series Radios. More than just essential, they're just right.

## MIGRATE AT YOUR OWN PACE

Keeping operations running smoothly during a change in communication systems is vital to any business. It's easy to migrate to digital with Motorola Solutions' Commercial Series digital radios because they deliver the same features as its analog radios as well as adding an upgrade path to digital. Digital models can operate in analog and digital modes concurrently – and to ease the transition even further, the dynamic mixed-mode repeater functionality streamlines automatic switching between analog and digital calls. So you can start using Motorola Solutions' digital radios and repeaters on your existing analog system, then migrate to digital when your business is ready.

**QUALITY.  
VALUE.  
JUST RIGHT.**



# TWO-WAY RADIO SELECTION GUIDE



Versatile and powerful, to keep your staff connected. Motorola Solutions' diverse array of portable and mobile two-way radios enable you to efficiently coordinate and communicate with your mobile workforce. Ideal for use by a variety of industries looking to remain competitive in today's market, Motorola Solutions' radios deliver a high-quality communication solution designed to help increase efficiency, productivity and worker safety while lowering operating costs.

## CONSTRUCTION

A construction worker carries his Motorola Solutions digital radio as an essential part of his toolkit. The digital technology gives him excellent coverage across the entire site. And it has significantly better battery life too, so he knows he'll have reliable voice communications all day long.

## EDUCATION

Give staff and faculty constant access to critical information and enhance safety and efficiency in your schools.

A high school athletic coach relies on the slim SL300 portable in her jacket to coordinate with school personnel. It's light and portable, but rugged enough to survive out on the running track.

## HEALTHCARE

A hospital administrator uses her Motorola SL300 portable to connect to staff on a high floor. Its Range Max technology provides excellent coverage as she walks throughout the building.

## HOSPITALITY

Communicate discreetly for seamless coordination of your entire service staff and enhanced customer service.

The hotel porter depends on his SL300 portable to talk to shuttle bus drivers about incoming guests. Long battery life means he can communicate all day.

## MANUFACTURING

Make it easy for all staff, from line workers to maintenance to security, to collaborate as a single, unified work team while increasing productivity and worker safety.

## SECURITY

A security guard uses his Motorola Solutions digital radio to alert the control room to some suspicious activity. The CP200d radio's intuitive design is easy to use in the dark, and even when he speaks softly, he knows that the digital AGC (Automatic Gain Control) will automatically boost the volume so he's heard clearly back in the office. And if it comes to the worst, he can use one of the programmable side buttons to call for help – with one touch.

## TRANSPORTATION AND LOGISTICS

Deliver goods safely and efficiently while increasing customer service with accurate, real-time information.

A delivery driver uses his Motorola CM200d mobile radio to double-check an address. The visor mic and steering wheel-mounted PTT button let him communicate safely while driving.



# TWO-WAY RADIO SELECTION GUIDE



## COMMERCIAL USES PORTABLE AND MOBILE RADIOS

The right two-way radio can empower an entire organization by providing real-time information to your workforce. Suddenly, fleet members are more effective and informed. Individuals can make more meaningful contributions to the overall business objective. Significant savings in travel time and money are realized. Safety and efficiency are no longer mutually exclusive. Motorola Solutions has portable radios perfect for employees who work on-site in construction, education, healthcare, hospitality, manufacturing and retail enterprises, as well as mobile radios perfect for employees in transportation and delivery sectors.



## Motorola Solutions Two-Way Radios – Transforming the Enterprise, Empowering the Individual.

Whether your workforce is comprised of employees primarily located on-site at your facility, mobile in vehicles or a combination of both, two-way radios enable your employees to stay connected. Portable radios are ideal for employees who work on-site; mobile radios are installed in vehicles and ideal for your on-the-go workforce.

### COMMERCIAL RADIOS

A basic, easy-to-use communication solution that is ideal for construction, delivery operations, elementary and high schools, hotels and restaurants.

- Digital and Analog Models
- Simple, Basic Solution for Work Team Communication
- Compact Models
- Display and Non-Display Models
- Limited or Non-Keypad Models
- Repeater Capability for Increased Coverage When Needed
- Hands-Free Communication with Voice Activation
- Variety of Audio and Carrying Accessories

# TWO-WAY RADIO SELECTION GUIDE

## RADIO SELECTION PORTABLE AND MOBILE RADIOS

### USER NEEDS

There are three basic factors you need to consider when selecting which radio is right for you.

1. Number of Users/Channels
2. Frequency Band
3. Features

### NUMBER OF USERS/CHANNELS

The number of individual users as well as the number of talk groups you need to maintain determines the number of channels you will require in a radio. For example, if you want a certain department to maintain its own talk group, it would require a dedicated channel for that department. If two or more individuals need to maintain private communications, a dedicated channel would be required. It is not uncommon to have multiple channels within a department for special projects where more than one operation or event is occurring simultaneously. In addition, the use of digital technology increases the capacity of your system by dividing your existing channels into two time slots. This enables you to double the number of users on your system without the need for additional infrastructure equipment. Lastly, when making decisions regarding the number of channels you require, it is very important to keep future expansion in mind.

### FREQUENCY BAND

For most general applications, there are 4 categories of frequency bands to consider:

- Low Band 29.7-37 MHz/37-50 MHz
- VHF (Very High Frequency) at 136-174 MHz
- UHF (Ultra High Frequency) at 403-512 MHz
- 800/900 MHz

All bands have advantages for specific applications. As a rule, the higher the frequency, the better the in-building penetration. However, as you increase in frequency, you will decrease in range. VHF frequencies (136-174) are better suited for outdoor applications where maximum range is required with little to no obstructions. UHF and the 800/900 MHz frequencies are better suited for indoor applications or environments with obstructions. Low Band frequency bands propagate farther in the environment, VHF and UHF frequency bands are typically used for conventional two-way radios systems, while 800/900 MHz frequency bands are commonly used for trunking two-way radio systems.

## TWO-WAY RADIO FEATURES

A wide variety of features are available to help increase the efficiency, productivity and safety of your workforce. Efficiency/productivity features include integrated data applications that increase a radio's capability beyond voice communication, and telephone interconnect, which enables radios to talk with a telephone PBX system. Safety features include emergency notification for use during urgent situations and intrinsically safe certifications for hazardous work environments.

### AMBE+2™ VOCODER

The AMBE+2™ Vocoder sets a standard for high-quality, high-performance speech quality at data rates from 2.0 to 9.6 kbps.

### ARTS II™/AUTO-RANGE TRANSPOND SYSTEM

Designed with user safety in mind when you need to be in contact at all times. ARTS is exclusively available in Motorola radios and informs users when a radio gets out of range with another ARTS-equipped radio.

### BUSY TONE LOCK OUT (BTLO)

If the BCLO (Busy Channel Lockout) feature has been programmed on a channel, the radio will not transmit when a carrier is present.

### COMPANDER

This analog two-way radio feature is used when the device itself has a smaller dynamic range capacity and is required to transmit a large dynamic range. In this technique, the sound waves before transmission are compressed and then transmitted. This allows a large bandwidth transmission over a narrow range device.

### DIRECT MODE

Direct/Dual Capacity Mode is a digital mode feature that enables you to have two communication paths on a single frequency, effectively doubling your call capacity without the need for a repeater.

### DTMF SIGNALING

Dual-Tone Multi-Frequency (DTMF) Signaling enables radio users to use the radio keypad to control another device that is pre-programmed to recognize the tones as commands. This feature is commonly used to open/close gates, turn off/on sprinkling systems or place a phone call using the telephone interconnect feature.

# TWO-WAY RADIO SELECTION GUIDE

## EMERGENCY CALL

Emergency Call allows a radio user, with the push of a button, to send a distress message to all other radio users to indicate an emergency and be given priority to talk.

## ENHANCED/BASIC PRIVACY

Enhanced/Basic Privacy is a technology that allows a transmitting radio to send out a scrambled audio signal and a receiving radio to unscramble that signal. This helps to prevent unauthorized users from listening to sensitive communications.

## HAZLOC CLASSIFICATION

When you're operating in environments where flammable or explosive gases, vapors or dust may be present, you should consider communications equipment certified for use in a Hazardous Location – often called "HazLoc"

## IMPRES™

IMPRES is a state-of-the-art, Motorola-exclusive technology that enables communication between the radio and accessory, resulting in the prolonged life of your batteries, longer talk time and clearer audio delivery.

## INTERNAL VOX

VOX, which stands for Voice Activated Transmit, is a feature that allows you to use your two-way radio hands-free with compatible audio accessories. VOX-compatible headsets keep the microphone active all the time, which means that the radio will automatically start transmitting when you speak.

## LONE WORKER ALERT

Lone Worker assists in heightening worker awareness and helps ensure that all workers are accounted for, even when alone. If a worker fails to check in when prompted, Lone Worker automatically transmits an emergency alert for help.

## MAN DOWN SAFETY APPLICATION

Man Down provides remote monitoring of workers. If somebody slips or falls, Man Down will automatically activate and transmit an alert to call for help.

## MDC 1200 SIGNALING

MDC 1200 Signaling uses low-speed data packet transmissions that grant radio users access to a number of enhanced features such as unit ID, selective inhibit, radio check and selective calling.



# TWO-WAY RADIO SELECTION GUIDE

## QUIK-CALL II™ SIGNALING

Quik-Call II signaling is an analog two-tone format used for paging over a two-way voice channel. The decoding of tones allows the radio to receive only messages intended for its specific user, and activates that radio when to start listening to a conversation. The encoding of tones allows the radios to send such messages to specific units. This is a feature commonly used by rural fire departments.

## SITE SEARCH

Site Search is a digital mode feature that allows you to move between multiple sites. Manually or automatically initiate Site Search to identify the signal of the closest site with the strongest signal strength. Your Motorola Solutions radio, equipped with Site Search, will dynamically change its pre-programmed home site to the site with the strongest signal in range. Great for operations with multiple locations or multiple-floor buildings.

## TECHNOLOGY

Two-way radios have traditionally used analog technology. Digital technology is the next generation of two-way radio and offers several advantages over analog, including clearer audio, integrated data applications, 40% longer battery life and increased capacity.

## TELEPHONE INTERCONNECT

Telephone Interconnect is a feature that enables a radio system to be connected to a telephone PBX system, which allows radios to make phone calls using the radio keypad.

## TRANSMIT INTERRUPT

When seconds matter, transmit interrupt allows an operator to halt or “interrupt” any current transmission, in favor of a priority message. Transmit Interrupt functionality ensures your critical messages will connect.

## UNIVERSAL BATTERY SYSTEM

Eliminate equipment clutter and reduce costs using one charger with any compatible Motorola Solutions Commercial Portable radio. The “UNI” universal charger and battery system includes one charger that supports multiple Motorola Solutions Commercial Portable radios when used with designated UNI batteries. A simplified system to deliver less cost and more value for you.

## PEACE OF MIND COMES STANDARD WITH EVERY MOTOROLA SOLUTIONS RADIO

There’s a reason why Motorola Solutions’ two-way radios are built to last. Motorola’s rugged and reliable radios undergo rigorous testing in the design process. Motorola uses U.S. Military Standards and Accelerated Life Testing, so you can be assured Motorola Solutions’ radios will hold up under demanding conditions.

## ISO 9001 SO 9001

International quality assurance system for design, development, production, installation and servicing of a product.

## ACCELERATED LIFE TESTING (ALT)

Simulates five years of extreme hard use. Conducted by Motorola during early product development to improve quality, design and product life.

## U.S. MILITARY SPECS 810

Environmental testing specifications for equipment performance and survivability in harsh conditions. As many as 11 unique tests are covered, including low pressure, high/low temp, shock, solar radiation, rain, humidity, dust and vibration.



# TWO-WAY RADIO SELECTION GUIDE



## MOTOROLA SOLUTIONS' DIGITAL RADIOS

CONNECT YOUR ENTIRE OPERATION SEAMLESSLY, SAFELY AND EFFICIENTLY

Whatever you do, wherever you work, be more efficient, productive and safe with the unparalleled performance of Motorola Solutions' Digital Radios. They deliver advanced digital technology for real-time voice communications. Now you can communicate instantly, coordinate seamlessly and work efficiently. From ultra-light portables to extra-tough mobiles, you'll find the right device to get the job done right.



### HIGH-PERFORMING

Long-lasting Motorola batteries are ideal for multiple shifts – up to 29 hours – so you can work without interruption.



### EASY-TO-READ DISPLAYS

See information quickly with large, full-color displays featuring superior resolution. View easily in broad daylight and use the night modes for dark environments.



### EVERY DAY RUGGED

Tightly sealed against wind and dust, the most rugged models are submersible in up to 6 feet of water.



### SAFETY-FOCUSED

Prioritize communication the moment it's needed with Transmit Interrupt. Man-Down and Lone Worker apps call for help when personnel can't. Location-tracking monitors vehicles, assets and personnel in real time.



### CRYSTAL-CLEAR AUDIO

Experience superb audio in the loudest environments. Intelligent Audio automatically adjusts radio volume up and down. Noise Suppression filters out background sounds so you hear and be heard clearly.

# DIGITAL PORTABLE RADIOS

## REMASTER YOUR WORKFORCE WITH THE RIGHT SOLUTION

From the front desk to the factory dock, moving across campus or around the country, Motorola Solutions' Commercial Digital radios are connecting more people effortlessly and efficiently wherever they work. Information is instantaneous. Decision-making becomes easier. Safety gets stronger. Productivity increases. Your service improves and customers are more satisfied.

Whether you want ultra-thin portables or extra-tough mobiles, we have the right radio that fits your needs today and evolves with new features to address your requirements tomorrow. Motorola Solutions' Commercial Digital radios are trusted by more than 2 million users and designed with a robust mix of features to increase workforce efficiency, productivity and safety.

Motorola Solutions is re-mastering digital two-way communications – and redefining what customers expect from a radio solution. With the Motorola Solutions Commercial portfolio of digital portable and mobile radios, repeaters, accessories, software and services, you can put the right device into the hands of the right user. From the supervisor of a production line, to the facilities manager in a crowded stadium to the technician repairing power lines Motorola Solutions' Commercial digital radios make workers more efficient and productive.

## KEEP THEM ALL CONNECTED

Give your employees the information they need to be more efficient with the remarkable convenience of one device. Experience

clear and reliable voice communication with background noise suppression, the flexibility of group or private calls, quick access to contacts with keypad shortcuts and communication with landline or mobile phone users via digital telephone interconnect.

## DIGITAL MAKES TWO-WAY RADIO COMMUNICATIONS BETTER

### BETTER CALL QUALITY

Audio – digital applies error correction to eliminate noise and static and preserves voice quality over a greater range so users can hear what is being said crisp and clear. Use of the AMBE+2™ vocoder further improves speech transmission quality in noisy environment while achieving spectrum efficiency.

Coverage – digital enables users to make more calls to more places. A digital signal stays strong and clear until it reaches its maximum range. There is no deterioration in the signal providing greater usable range in areas where two-way communication was not possible in the past.

### BETTER CALL MANAGEMENT

Control – A common desire among analog radio users is to control who receives a message and avoid broadcasting messages to a wide group of listeners. Digital makes this possible with unique IDs assigned to each radio. A user can selectively call specific individuals or groups by selecting the radio ID(s) to direct a message only to those who need the information.

## FEATURED VIDEO

From the production line to the power line, MOTOTRBO radios are helping people work more efficiently, productively and safely. MOTOTRBO delivers game-changing advantages along with business-essential systems, applications and accessories.



**WATCH HOW COMMUNICATIONS ARE EVOLVING**

## DIGITAL RADIO BENEFITS



### RANGE

Intelligible speech over a longer distance.



### QUALITY

Crisp and clear, even in fringe coverage areas.



### CAPACITY

Twice the capacity of analog radio in the same channel.



### TALK TIME

Up to 40% longer battery life than analog radio.



### FEATURES

Increased opportunity for innovation.

# DIGITAL PORTABLE RADIOS



## MOTOROLA CP100d

### EASY TO USE, EASY TO MIGRATE

Communicate simply and efficiently. The CP100d Series gives you streamlined analog voice communications, and MOTOTRBO digital when you're ready. Easy to use and practical, the CP100d Series provides a straightforward path to digital migration.



## MOTOROLA CP200d

### SIMPLE VOICE COMMUNICATIONS FOR THE EVERYDAY USER WHO WANTS TO STAY CONNECTED

Communicate simply and clearly. The CP200d gives you affordable analog voice communications, with the option to upgrade to MOTOTRBO digital when you're ready. With great performance, rugged durability and a straightforward user interface, the CP200d simply keeps your workforce connected.



## MOTOROLA DTR700

### HELPING THE WORKFORCE STAY CONNECTED

Motorola's DTR Series radios are now more reliable than ever – enabling interference-free, private communications to help your team stay focused while keeping communications private.



## MOTOROLA EVX-261

### MAKE THE MOVE TO DIGITAL EASILY AND AFFORDABLY

The EVX-261 operates in both analog and digital modes, so it's ideal for use with mixed fleets. With expanded interoperability, you can choose from multiple signaling options, including MDC1200®, DTMF, and 2-tone or 5-tone capabilities, along with voice inversion encryption. And in digital mode, enjoy noise cancellation for crisp audio and clear conversations. Compatible with the universal battery system, you'll eliminate equipment clutter and confusion by standardizing on one charging base for the entire team.



## MOTOROLA EVX-S24

### COMPACT, DISCREET, LIGHTWEIGHT

Give your team members a compact, discreet and lightweight radio that allows them to be comfortable in any situation. Worn on a belt, tucked away in a pocket or clipped to a lapel, the water-submersible and dustproof EVX-S24 is designed to survive demanding conditions. It operates in both analog and digital modes, so it's ideal for use with mixed fleets. And in digital mode, enjoy noise cancellation for crisp audio and clear conversations. The EVX-S24 meets international standard IP67 for water submersibility and is dustproof. The EVX-S24 is protected from immersion in water up to 3 feet for 30 minutes and offers complete protection from dust.



## MOTOROLA SL300

### SLIM AND STYLISH, FOR THE CUSTOMER SERVICE USER WHO NEEDS INTUITIVE TECHNOLOGY

Connect to intuitive technology with this slim, lightweight radio. An eye-catching Active View display combines ruggedness with simplicity, and patented Range Max technology delivers great coverage with long battery life in a small, convenient outline. The radio supports analog and digital modes, and is complemented by a range of innovative accessories.



## MOTOROLA XPR 3000e

### COMPACT AND CAPABLE, FOR THE BUSY WORKER WHO NEEDS TO COMMUNICATE EFFICIENTLY

Connect with efficiency. The XPR 3000e Series delivers analog and digital voice capabilities, with support for basic systems and a feature-set geared to maximum workplace efficiency – including Wi-Fi for remote radio management and Bluetooth 4.0 (please check for availability). With excellent range and impressive battery life, these radios deliver cost-effective connectivity.

# DIGITAL PORTABLE RADIOS



FEATURE	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	XPR 3000e
<b>MODES</b>	Digital Analog	Digital Analog	Digital	Digital Analog	Digital Analog	Digital Analog	Digital Analog
<b>FREQUENCY BANDS</b>	VHF/UHF	VHF/UHF	900MHZ	VHF/UHF	UHF	VHF/UHF	VHF/UHF
<b>CHANNELS</b>	16 / 160	16	50	16 / 1	256 / 16 groups	2 or 99	16 / 128
<b>OUTPUT POWER (watts)</b>	5/1 VHF 4/1 UHF	5/1 VHF 4/1 UHF	1	5/1	Digital 0.5-3 Analog 0.5-2	Digital 3 Analog 2	5/1 VHF 4/1 UHF
<b>DISPLAY</b>	Non-Display	Non-Display	Full-Graphic, Backlit	Non-Display	Display	Active View	Display / Non
<b>MAX. BATTERY LIFE (hours)</b>	Digital: 15	Digital: 18.5 Analog: 14.5	16.5	Digital: 17 Analog: 16	Digital: 12 Analog: 11	Digital: 15 Analog: 12.5	Digital: 15
<b>BASIC PRIVACY</b>	X	X	X	X	X	X	X
<b>PROGRAMMABLE BUTTONS</b>	2	2	2	2	4	1	2
<b>ACCESS. CONNECTOR STYLE</b>	Single Pin / Side Attach	Single Pin / Side Attach	Single Pin / Side Attach	Single Pin / Side Attach	Single Pin / Threaded Insert	Single Pin / Side Attach	Single Pin / Side Attach
<b>IP RATING</b>	IP54	IP54	IP54	IP55	IP67	IP54	IP67
<b>HAZLOC</b>	NA	NA	NA	NA	NA	NA	NA
<b>EMERGENCY CALL</b>	NA	NA	NA	NA	NA	X	NA
<b>LONE WORKER</b>	NA	NA	NA	X	X	X	NA
<b>VOICE ANNOUNCEMENT</b>	X	X	NA	NA	NA	X	X
<b>DIRECT MODE</b>	X	X	X	X	X	X	X
<b>CONVENTIONAL</b>	X	X	NA	X	X	X	X
<b>DIMENSIONS (inches)</b>	4.7 x 2.3 x 1.5	5.0 x 2.4 x 1.7	5.06 x 2.2 x 1.06	4.3 x 2.3 x 1.3	3.58 x 2.17 x 1.24	4.95 x 2.17 x 0.87	4.8 x 2.2 x 1.4
<b>WEIGHT (ounces)</b>	11.08	14.3	7.87	9.9	7.6	5.96	11
<b>WARRANTY (years)</b>	2	2	2	3	3	2	2



# DIGITAL MOBILE RADIOS



## MOTOROLA CM200d and CM300d

### SIMPLE VOICE COMMUNICATIONS FOR THE EVERYDAY USER WHO WANTS TO STAY CONNECTED

The rugged MOTOTRBO CM200d and CM300d radios offer all the benefits of the latest technology – twice the capacity, greater coverage and superior audio. These affordable mobiles are compatible with the MOTOTRBO features you'll find are business-essential, for example a transmission can be interrupted to prioritize critical communications.

It's easy to transition your business to digital technology. These radios deliver the same easy-to-use features of the CM200 and CM300 mobiles you use today. It can operate in digital and analog modes concurrently, so it fits seamlessly into your existing communication system, allowing you to migrate to digital at your own pace.

The CM200d and CM300d are made to last. They are rated IP54 (splashproof, virtually dustproof), so they can be used even in harsh environments. Moreover, the design has been proven tough in Motorola's grueling Accelerated Life Test program, in which the radios must survive a simulated 5 years of hard service before they are accepted. You can be confident in the durability of your CM200d and CM300d radios.

## DIGITAL RADIO BENEFITS



### BROADEN YOUR REACH

Coverage matters when you're trying to run a safe, efficient business.



### COME IN LOUD AND CLEAR

With proven audio performance, you can hear and be heard in just about any situation.



### GOODBYE CROSSTALK

Your business conversations should stay inside your business.



### POWER THROUGH THE SHIFT

Go the entire work shift and then some without having to recharge.



### KEEP YOUR TEAM SAFE

Keeping employees safe and sound is the most important job of any business.



# DIGITAL MOBILE RADIOS



FEATURE	CM200d	CM300d
<b>MODES</b>	Digital Analog	Digital Analog
<b>FREQUENCY BANDS</b>	VHF/UHF	VHF/UHF
<b>CHANNELS</b>	16	99
<b>OUTPUT POWER (watts)</b>	25-45 VHF 25-40 UHF	25-45 VHF 25-40 UHF
<b>DISPLAY</b>	Numeric	Alphanumeric
<b>BASIC PRIVACY</b>	X	X
<b>PROGRAMMABLE BUTTONS</b>	2	4
<b>ACCESSORY CONNECTOR STYLE</b>	D-Sub 15 Pin	D-Sub 15 Pin
<b>IP RATING</b>	IP54	IP54
<b>EMERGENCY CALL</b>	NA	NA
<b>VOICE ANNOUNCEMENT</b>	X	X
<b>DIRECT MODE</b>	X	X
<b>CONVENTIONAL</b>	X	X
<b>CONTROL STATION</b>	X	X
<b>DIMENSIONS (inches)</b>	1.7 x 6.7 x 5.3	1.7 x 6.7 x 5.3
<b>WEIGHT (pounds)</b>	2.9	2.9
<b>WARRANTY (years)</b>	2	2

# ANALOG PORTABLE RADIOS



## MOTOROLA BPR40

### AFFORDABLE AND RELIABLE RADIO FOR SMALL BUSINESS

An affordable, high-performance communication tool that will be a reliable solution for your communication needs. When you equip your workforce with the BPR 40, they will be able to react more efficiently. Quicker response, better customer service, saved trips and increased safety – they all add up to better operations and a streamlined process.

The Mag One by Motorola BPR 40 two-way radio not only provides affordable communication, but also a complete assortment of accessories for radio customization.



## MOTOROLA CP185

### RELIABLE COMMUNICATION WITH ENHANCED FUNCTIONALITY – MAKING IT EASIER TO GET THE JOB DONE

Small and lightweight, the CP185 fits comfortably into your hand and is easy to use. To provide the right features for each user, the CP185 is available in a Limited Keypad (LKP) model with screen, and a No Keypad (NKP) model. Voice activated (VOX) ready for hands-free communication lets users focus on the job at hand, improving safety and efficiency. The programmable buttons, five for the LKP model and two for the NKP model, enable easy, one-touch access for up to 10 user-selected features. Ideal for educational institutions, retail and hospitality businesses, service and manufacturing industries, the Motorola CP185 brings you a robust two-way radio solution. With its ergonomic shape for comfortable use plus everyday security features in a durable, lightweight, compact design, you can enhance communication while increasing efficiency and productivity.



## MOTOROLA VL50

### SMALL, LIGHTWEIGHT, AND SIMPLE-TO-USE

In today's competitive business environment, maximizing productivity is critical to success. That's why employees must be connected...the Motorola VL50 makes it easy and affordable! To provide businesses with that competitive edge, Motorola has developed an easy-to-use, affordable wireless solution – Value Line Business two-way radios. Helping businesses offer superior customer service, the VL allows employees to react quickly to requests and have instant access to one another. VL two-way radios and headsets are designed with business productivity in mind – providing functionality at the push of a button.



## MOTOROLA VX-261 SERIES

### FOR BASIC PUSH-TO-TALK COMMUNICATION, LOOK TO THE VX-261 SERIES

The VX-261 has enhanced interoperability, you can choose from multiple signaling options, such as MDC1200®, FleetSync®, DTMF, and 2-tone or 5-tone capabilities for seamless integration into a mixed fleet.

# ANALOG PORTABLE RADIOS



FEATURE	BPR40	CP185	VL50	VX-261
<b>MODES</b>	Analog	Analog	Analog	Analog
<b>FREQUENCY BANDS</b>	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF
<b>CHANNELS</b>	8 or 16	16	8	16 / 1 group
<b>OUTPUT POWER (watts)</b>	5/1 VHF 4/1 UHF	5/2 VHF 4/2 UHF	1	5/1
<b>DISPLAY</b>	Non-Display	Limited Display	LCD	Non-Display
<b>MAX. BATTERY LIFE (hours)</b>	8	11	12	19
<b>BASIC PRIVACY</b>	X	X	X	X
<b>PROGRAMMABLE BUTTONS</b>	2	5	NA	2
<b>ACCESSORY CONNECTOR STYLE</b>	Two Pin / Side Attach	Single Pin / Side Attach	Two Pin / Side Attach	Single Pin / Side Attach
<b>IP RATING</b>	NA	IP54	NA	IP55
<b>HAZLOC</b>	NA	NA	NA	NA
<b>EMERGENCY CALL</b>	NA	NA	NA	X
<b>LONE WORKER</b>	NA	NA	NA	X
<b>VOICE ANNOUNCEMENT</b>	NA	NA	NA	NA
<b>DIRECT MODE</b>	X	X	X	X
<b>CONVENTIONAL</b>	X	X	X	X
<b>DIMENSIONS (inches)</b>	4.21 x 2.28 x 1.46	4.7 x 2.3 x 1.5	5.8 x 2 x 1.1	4.3 x 2.3 x 1.3
<b>WEIGHT (ounces)</b>	11.08	12	4.59	9.9
<b>WARRANTY (years)</b>	1	2	1	3



## MOTOROLA SLR 5000 SERIES REPEATER

### EXCELLENT PERFORMANCE, HIGH RELIABILITY AND CLEVER DESIGN IN A SMALL, SLIM UNIT

For your business to be successful, you need dependable voice and data communications that reach every corner of your operations. The MOTOTRBO SLR 5000 Series Repeater delivers high-performance, high-reliability two-way radio service with all the features you need to connect your workplace, whether you're in the field or on the factory floor. With its sleek form factor and low power consumption, the MOTOTRBO SLR 5000 Series is engineered for low cost of ownership. And with a huge leap forward in technology, it represents the next generation in repeaters as the cornerstone of a digital two-way radio system.

#### FEATURES

- 100% Continuous Duty
- Supports Two Simultaneous Voice Paths in Digital TDMA Mode
- Rack Mountable
- Supports Analog Conventional and Digital Conventional

#### SPECIFICATIONS

- Frequency Bands: VHF/UHF
- Channel Capacity: 64 Channels
- Output Power: 1 to 50 Watts
- Dimensions: 1.75 x 19 x 14.6 Inches
- Weight: 19 Pounds



## MOTOROLA SLR 1000 REPEATER

### COVERAGE WITHOUT COMPLICATIONS

Keeping your team connected requires uninterrupted radio coverage. But often, network dead zones and remote locations present barriers to seamless communication. Unlike traditional repeaters, the SLR 1000 is IP65-rated for dust and water protection, so you can deploy on campuses, in parking garages and across other outdoor locations. The compact size gives you more installation options, such as mounting on walls or poles. And a low power, fanless design uses less space and energy, saving you money right from the get-go.

#### FEATURES

- Protected for Your Environment
- Cost-effective Coverage
- Deploy in More Places
- Grows with You

#### SPECIFICATIONS

- Frequency Bands: UHF
- Channel Capacity: 64 Channels
- Output Power: 1 to 10 Watts
- Dimensions: 11 x 9 x 4 Inches
- Weight: 10 Pounds



## VERTEX STANDARD VXR-7000UD

### DUAL-PURPOSE REPEATER FOR EFFICIENT COMMUNICATIONS

The VXR-7000 not only helps expand the communication range of two-way radio systems, but it also serves as a base station for convenient, easy fleet communications in public safety, industrial or administrative work areas. Continuous-duty and cycle-rated, this one unit is designed to enhance productivity for a maximum return on investment.

#### FEATURES

- Uninterrupted Power Supply
- Convert to Talk at a Press of a Button
- Local or Remote Operating Capability
- Community Repeater Operation

#### SPECIFICATIONS

- Frequency Bands: VHF/UHF
- Channel Capacity: 16 Channels
- Output Power: 10 to 50 Watts
- Dimensions: 12.8 x 4.5 x 15.4 Inches
- Weight: 22 Pounds

# PORTABLE RADIO ACCESSORIES



## YOUR RADIO IS ONLY AS GOOD AS THE ACCESSORY OR BATTERY ATTACHED TO IT – MAKE SURE IT'S MOTOROLA

Risk-taking has its place in the business world, but not with your vital communication needs. A mismatched battery, a flimsy headset or an ill-fitting carry case are just some of the ways your radio may not be ready at the moment you have to use it.

That's why Motorola Original accessories are your only option for making the most of your radio's capabilities. Every Motorola accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. Enhance your two-way radio capabilities with high-performance Motorola Original® accessories, to ensure your radio is ready to do its job time after time – helping to increase your productivity.

## MOTOROLA ORIGINAL ACCESSORIES PROVIDE CUSTOM RADIO SYSTEMS

### THE POWER OF YOUR RADIO UNLEASHED

Two-way radio offers the best technology when you need instantaneous, secure and controllable communications. Using the right accessories with the radio can add real value for you by providing a complete, customized solution that is safer and easier to use with improved system performance.

Motorola Solutions offers a vast range of two-way radio accessories:

- MagOne™ – Value Line
- Motorola Original
- IMPRES™ – High Performance

These accessories allow Motorola to offer different tiers of solutions to best meet your specific needs. And as you would expect from Motorola, it applies the same quality and performance standards to all its accessories that it does for its radios. They are tested together as a complete system, so you can rely on them.

In this catalog, you'll find proven accessory solutions to help you work harder and smarter. Remote speaker microphones for more convenient control. Carry cases for ease of use when on the move. Earpieces to ensure privacy. Headsets for hands-free operation. High-capacity batteries to extend work time and more. Because they all carry the Motorola Original name, they're solutions you can count on.



# PORTABLE RADIO ACCESSORIES



## FREE YOURSELF TO WORK MORE EFFICIENTLY

No matter where you go or what you do, Motorola radios are made for clear, coordinated communication in the busy workplace. To help you excel in your job, you need accessories that match the performance of your Motorola radio – that truly fit your environment. That's why it's important to use Motorola tested and certified accessories with your portable radio. They're the only ones designed, built and tested with your radio to optimize its performance.

Only Motorola Solutions' accessories unleash the full power of Motorola radios. So, as you walk from the production line, across hotel grounds or to the store stockroom, you can work more easily and efficiently wearing a comfortable, convenient accessory. Combine Motorola's best in-class radios with Motorola Original accessories to achieve even greater productivity and cost savings. Together, you'll rethink what's an accessory – and what's a necessity.

## BATTERIES AND CHARGERS

### IF YOUR BATTERY ISN'T WORKING, YOU'RE NOT WORKING.

On the manufacturing line or the fire line, at a crash site or a construction site, you rely on a two-way radio that operates continuously – that won't stop when it's dropped, won't break when it's shaken or won't fail when it's shocked by static electricity. Whether you're in public safety or private enterprise, radio batteries that can't handle the rigors of the real world aren't a bargain. Because when a radio battery dies and your radio stops, you can't do your job.

Motorola understands that uninterrupted communications are business-essential and mission-critical. There is no margin for error and no room for malfunction. And it knows that other leading radio

battery brands don't deliver what it does. Highly reliable, high-performing batteries that are proven tough. Time after time. Test after test.

### MOTOROLA RADIOS AND BATTERIES PERFORM OPTIMALLY TOGETHER. BY DESIGN.

Unlike aftermarket battery brands, Motorola batteries are designed and developed as an integral component of its two-way radios. No other aftermarket battery manufacturer can offer that certainty and compatibility with Motorola radios. Motorola engineers, manufactures and tests to stringent specifications to make sure their batteries withstand the most unforgiving environments. So, you can be confident our radio batteries perform reliably when you need them most.

### HAZARDOUS LOCATION CERTIFICATION

Motorola also offers HAZLOC Certified batteries. The National Electrical Code (NEC) NFPA 70 defines Hazardous Locations as areas "where fire or explosion hazards may exist due to flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers or flyings."

### ADVANCED IMPRES™ BATTERIES AND CHARGERS

Along with its standard Motorola radio batteries, it also offers the exclusive IMPRES "smart energy" system. This exclusive battery technology provides adaptive reconditioning and end-of-life display to maximize your talk-time and battery cycle life – all automatically. You can safely leave batteries on the IMPRES charger without damaging them and keep your batteries fully charged. So you can be confident they are always ready and your radio is ready to work, right when you need it.

Motorola IMPRES batteries and chargers also enable the implementation of the industry-exclusive IMPRES Battery Fleet Management System. A software application that enables unprecedented data collection and analysis, allowing you to better manage the health and status of your IMPRES batteries.

# PORTABLE RADIO ACCESSORIES

IMPRES™ AUDIO	WINDPORTING AUDIO	NOISE-CANCELING AUDIO
Ensure your voice is heard clearer, crisper and louder regardless of level or direction you're speaking into the accessory.	Reduce the effect of wind and other outdoor noises so your messages are always heard clearly.	Reduce the effect of background crowd and machinery noise so your messages are always heard clearly into the accessory.
<b>I hear you however you speak</b>	<b>I hear you, not the wind</b>	<b>I hear you, not the noise</b>

## AUDIO ACCESSORIES

Only Motorola offers a wealth of exclusive audio features that ensure your message is heard even in the most demanding work conditions.

In addition to the standard audio accessory features, Motorola Solutions has developed exclusive audio capabilities for them as well. It offers a range of models to ensure optimal performance even in extreme noise or windy environments.

### IMPRES™ AUDIO (MOTOROLA EXCLUSIVE)

Make sure every word is heard regardless of the level or direction you're speaking into the accessory.

Be clearly heard the first time and eliminate repeating yourself. Whether you need to talk loudly or quietly, into or away from the accessory, IMPRES Audio lowers the loud talker level and raises the soft talker level automatically so listeners do not have to adjust the volume depending on who is talking.

Policing a busy airport, fixing equipment on a noisy production floor or assisting guests in a quiet hotel, IMPRES Audio promises a high-quality communication experience.

### HOW DOES IMPRES™ IMPROVE AUDIO PERFORMANCE?

IMPRES enhances the clarity and audio quality of Motorola accessories by reducing ambient noise and improving voice

intelligibility. If you speak quietly or normally, but not directly into a microphone, IMPRES Audio detects changes in your voice and automatically adjusts the transmitted volume so your listener won't have to adjust volume up and down.

### NOISE-CANCELING AUDIO

Reduce the effect of background crowd and machinery noise so your messages are always heard clearly.

### WINDPORTING AUDIO

Communicate clearly in difficult weather. Wherever you work – in howling wind, driving rain or severe weather – Windporting helps you communicate effectively and listeners hear clearly. Windporting technology eliminates the whining and howling sounds of wind blowing across your lapel/remote speaker microphone. It also prevents water from clogging the microphone for clearer transmissions.





# PORTABLE RADIO ACCESSORIES

## EARPIECES AND SURVEILLANCE ACCESSORIES

A wide selection of styles fit the way you work – from discreet clear acoustic tube styles to over-the-ear styles. With inline push-to-talk and microphones, these accessories are easy to access on the go, so you can stay focused on the job. Choose from a variety of surveillance kits and ear microphones to communicate discreetly.

### HEADSETS

In some extremely loud environments, it is difficult to hear your radio conversations without a headset. Motorola headsets are designed to offer high-clarity audio with the additional hearing protection necessary to provide consistent, clear, two-way radio communications in harsh, noisy environments.

Motorola Solutions' lightweight headsets provide lasting comfort, and its heavy-duty headsets provide comfortable ways to protect your hearing in noisy environments. Even if your teams are logging extra hours stocking shelves or clocking overtime on the manufacturing line, they can communicate confidently. Heavyweight headsets offer extra durability and protection in more rugged and noisy environments.



### REMOTE SPEAKER MICROPHONES

Two-way radio offers users reliable, instantaneous communications, and the addition of a Remote Speaker Microphone (RSM) can make a portable radio even easier, safer and more effective to use. Motorola radios are built to withstand knocks and bumps, but keeping the radio on the belt helps protect it from the drops and misuse that can occur when users hold the radio in their hand. Using an RSM allows the user to make and receive calls without the need to remove the radio from their belt, leaving their hands free to hold guard rails, climb ladders, carry equipment or operate machinery.

## CARRY ACCESSORIES

You'll be amazed at how much time you'll save when your radio is always in the same place. Motorola's versatile portfolio includes leather and nylon carry cases to protect your radio in tough places, while ensuring it's easy to find and use.

### BELT CLIPS

For Motorola's belt clips, they specify only polycarbonate plastic for optimal protection and performance. Motorola's belt clips are strong, robust and designed to "bend and flex" when dropped.

### CARRY CASES

Add protection to your radio while you carry it in comfort. A variety of carrying accessories are available for comfort and convenience. The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly.



### CHEST PACKS

Motorola Original Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. Universal Chest Pack fits virtually any radio.

# PORTABLE RADIO ACCESSORIES

## ANTENNAS

Get the best possible reception wherever you operate. Motorola antennas are sturdy and dependable for years of fail-safe communication.

### FLEXIBLE WHIP ANTENNAS

Flexible Whip Antennas have a one-piece finish, steel core and spiral wound conductor for optimal radiation characteristics.

### FREQUENCY BAND

Most antennas only cover a portion of a frequency band. Motorola's wideband UHF and VHF antennas offer coverage across the entire band, enhancing your communication flexibility.

### HELIFLEX ANTENNAS

Heliflex antennas are engineered for maximum output and coverage. Stubby antennas are unobtrusive, ideal for wearing the radio on a belt. Whip antennas are one piece with a steel core for optimal radiation.

### STUBBY ANTENNAS

Stubby antennas are ideal for radios worn on the belt because they are short and non-obtrusive. These rugged, helical antennas feature a capless sheath that allows for maximum flexibility.



NOT SURE WHICH MOTOROLA ORIGINAL ACCESSORIES ARE RIGHT FOR YOUR BUSINESS ENVIRONMENT? Contact us today and our Professional Two-way Radio expert will work with you to identify your options to enhance your two-way radio capabilities with high-performance Motorola Original accessories.

# PORTABLE RADIO ACCESSORIES

ANTENNAS		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
MODEL #	DESCRIPTION													
32012144001	Gray Antenna ID Band								X	X			X	X
32012144002	Yellow Antenna ID Band								X	X			X	X
32012144003	Green Antenna ID Band								X	X			X	X
32012144004	Blue Antenna ID Band								X	X			X	X
32012144005	Purple Antenna ID Band								X	X			X	X
8504762J02	VHF Whip Antenna, 155-174 MHz (Black Color Code)		X		X									
8505816K24	UHF Heliflex Stubby (403-440 MHz), 9 cm			X										
AAE19X502	ATV-6B Antenna 150-163 MHz											X		
AAE19X503	ATV-6C Antenna 161-174 MHz											X		
AAE20X503	ATU-6DS Antenna 450-485 MHz						X					X		
AAE23X501	ATU-6A 400-430 MHZ						X	X				X		
AAE23X502	ATU-6C Antenna 440-470 MHz						X	X						
AAE23X503	ATU-6D Antenna 450-485 MHz						X	X				X		
AAE23X504	ATU-6F 490-512 MHz						X					X		
AAE23X506	ATU-6B Antenna 420-450 MHz						X	X						
AAE24X501	ATV-8A Antenna 134-150 MHz						X					X		
AAE24X502	ATV-8B Antenna 150-163 MHz						X					X		
AAE24X503	ATV-8C Antenna 162-174 MHz						X					X		
AAG42X501	ATV-6XL Untuned VHF Antenna						X					X		
AAM23X501	ATU-20AS Regular Stubby Antenna 400-430 MHz							X						
AAM23X502	ATU-20DS Regular Stubby Antenna 440-470 MHz							X						
AAM23X503	ATU-20FS Regular Stubby Antenna 450-480 MHz							X						
AAM23X504	ATU-20CS Regular Stubby Antenna 420-450 MHz							X						
AAM28X501	ATU-21AS Super Stubby Antenna 400-420 MHz							X						
AAM28X502	ATU-21CS Super Stubby Antenna 420-440 MHz							X						
AAM28X503	ATU-21DS Super Stubby Antenna 440-460 MHz							X						
AAM28X504	ATU-21FS Super Stubby Antenna 460-480 MHz							X						
HAD9338BR	VHF Heliflex 136-162 MHz		X											
HAD9742A	VHF Stubby 146-162 MHz		X	X										
HAD9743A	162-174 MHz Stubby		X	X										
HKAN4002A	Stubby Antenna - US									X				
NAD6502AR	Antenna VHF 146-174 MHz Whip		X	X										
NAD6579A	148-161MHz Flexible Whip Antenna		X											
NAE6522AR	UHF (438-470 MHz) Stubby			X										
PMAD4012A	VHF Stubby Antenna, 136-155 MHz (Red Color Code)		X	X										
PMAD4013A	VHF Stubby Antenna, 155-174 MHz (Black Color Code)		X											
PMAD4014A	VHF Whip Antenna, 136-155 MHz		X	X										
PMAD4042A	VHF Heliflex Antenna (136-150.8 MHz), 14 cm			X										
PMAD4051AR	Antenna Stubby VHF 150-174 MHz	X												
PMAD4116A	VHF Helical Antenna (144-165 MHz) - FM / UL Approved				X								X	X
PMAD4117A	VHF Helical Antenna (136-155 MHz) - FM / UL Approved				X								X	X
PMAD4118A	VHF Helical Antenna (152-174 MHz) - FM / UL Approved				X								X	X
PMAD4119A	VHF Stubby Antenna (136-148 MHz) - FM / UL Approved				X								X	X

# PORTABLE RADIO ACCESSORIES

<b>ANTENNAS</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
MODEL #	DESCRIPTION													
PMAD4120A	VHF Stubby Antenna (146-160 MHz) - FM / UL Approved												X	X
PMAD4121B	VHF Stubby Antenna (160-174 MHz) - FM / UL Approved												X	X
PMAD4144B	VHF Stubby Antenna (136-144MHz) 5 cm								X					
PMAD4145B	VHF Stubby Antenna (144-156MHz) 5 cm								X					
PMAD4146B	VHF Stubby Antenna (156-174MHz) 5 cm								X					
PMAE4093B	UHF Stubby Antenna (403-425MHz) 4.5 cm								X					
PMAE4094B	UHF Stubby Antenna (420-445MHz) 4.5 cm								X					
PMAE4095B	UHF Stubby Antenna (435-470MHz) 4.5 cm								X					
PMAE4002A	UHF Stubby Antenna, 403-430 MHz (Green Color Code)			X	X									
PMAE4003A	UHF Stubby Antenna, 430-470 MHz (Natural Color Code)		X	X	X									
PMAE4006A	UHF Stubby Antenna, 465-490 MHz (Orange Color Code)		X											
PMAE4016A	UHF Wideband Whip Antenna (403-520 MHz), 17 cm			X	X									
PMAE4020AR	Mag One UHF 450-470 MHz Stubby Antenna	X												
PMAE4069A	UHF Stubby Antenna (403-450 MHz) - FM / UL Approved												X	X
PMAE4070A	UHF Stubby Antenna (440-490 MHz) - FM / UL Approved												X	X
PMAE4071A	UHF Stubby Antenna (470-512 MHz) - FM / UL Approved												X	X
PMAE4079A	UHF Slim Whip Antenna (403 512 MHz) - FM / UL Approved												X	X
PMAF4024A	900MHz Whip Antenna, 902-928MHz					X								

<b>HEADSETS &amp; SURVEILLANCE</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
MODEL #	DESCRIPTION													
53815	Lightweight Headset with Boom Microphone										X			
5080384F72	Replacement Foam Plugs			X	X				X	X				
AAL40X501	VH-150A IS Lightweight Behind-the-head VOX Headset						X					X		
AAL41X501	VH-150B IS Lightweight Over-the-head VOX Headset						X					X		
AAM02X501	MH-201A4B, Heavy Duty Headset, Over the Head, IS						X					X		
AAM26X501	VH-190 VOX Lightweight Headset							X						
AARLN4885B	Receive-Only Covered Earbud with coiled cord	X	X	X	X								X	X
BDN6773A	Headset Single Muff										X			
5080369E39	Extra Loud Earphone, Beige			X	X									
5080370E91	Extra Loud Earphone, Black			X	X									
5080370E97	Replacement Rubber Eartips, Clear - pack of 25			X	X									
NNTN8125C	Wireless Accessory Kit, Standard Pair, 12 inch cable												X	X
NNTN8127B	Wireless Accessory Kit, Standard Pair												X	X
NNTN8294A	Earbud single with 11.4" cable, inline mic, Black												X	X
NNTN8295A	Motorola NNTN8295 - Earbud single with 45.7" cable, inline mic, blk												X	X
NNTN8296A	Covert Audio Kit for Mission Critical Wireless PTT Pod												X	X
NNTN8385A	Y-Adapter and Retention Hook for Mission-Critical Wireless Push-to-Talk Pod												X	X
NTN2572A	Replacement Wireless Earpiece, 12.5" cable												X	X

# PORTABLE RADIO ACCESSORIES

HEADSETS & SURVEILLANCE		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
MODEL #	DESCRIPTION													
PMLN4445A	Ultra Lightweight Headset w/PTT	X	X											
PMLN4606A	2-Wire Surveillance kit with Clear Acoustic Tube	X												
PMLN5003A	Lightweight Temple Transducer Headset	X	X											
PMLN5011A	Temple Transducer Headset	X												
PMLN6445A	2-Wire Surveillance Kit with translucent tube, beige			X	X									
PMLN6530A	2-Wire Surveillance Kit with translucent tube, black			X	X									
PMLN6536A	2-Wire Surveillance Kit with quick disconnect translucent tube, black			X	X									
PMLN6538A	Lightweight Headset, over-the-head, single muff with swivel boom mic			X	X									
PMLN6542A	Mag One Ultra-Lite Headset			X	X									
PMLN6759A	IMPRES Temple Transducer w/boom mic and in-line push-to-talk												X	X
PMLN6760A	Heavy Duty Behind-the-Head Headset with Noise-Canceling boom mic												X	X
PMLN6761A	Ultra-Lite Behind-the-Head Headset												X	X
PMLN6763A	Heavy Duty Behind-the-Head Headset w/Noise-Canceling boom mic, TIA4950												X	X
PMLN7052A	1- Wire Surveillance kit w/Translucent Acoustic tube for Wireless PTT Pods												X	X
PMLN7203A	Flexible Fit Swivel Earpiece with Boom												X	X
PMLN7269A	2-Wire Surveillance Kit with translucent tube, black												X	X
PMLN7270A	2-Wire Surveillance Kit with translucent tube, beige												X	X
PMLN7464A	Heavy Duty Behind-the-Head Headset with Noise-Canceling boom mic												X	X
PMLN7465A	Duty Behind-the-Head Headset with Noise-Canceling boom mic, TIA4950												X	X
PMLN7560A	Receive Only Earpiece with translucent tube and rubber eartip												X	X
REX4648A	Replacement Windscreen			X	X									
RLN4760A	Small Custom Earpiece - Right Ear			X	X									
RLN4761A	Medium Custom Earpiece - Right Ear			X	X									
RLN4762A	Large Custom Earpiece - Right Ear			X	X									
RLN4763A	Small Custom Earpiece - Left Ear			X	X									
RLN4764A	Medium Custom Earpiece - Left Ear			X	X									
RLN4765A	Large Custom Earpiece - Left Ear			X	X									
RLN4941A	Receive-Only Earpiece with Translucent Tube and Rubber Eartip	X	X	X	X								X	X
RLN5317A	Comfort Earpiece w/Mic and PTT Beige		X											
RLN5318A	Comfort Earpiece w/Mic and PTT Black		X											
RLN6230A	Extreme Noise Kit		X	X	X									
RLN6231A	Extreme Noise Kit		X	X	X									
RLN6232A	Low Noise Kit - Clear Acoustic Tube Assembly		X	X	X									
RLN6241A	Low Noise Kit - Clear Acoustic Tube Assembly		X	X	X									
RLN6242A	Quick Disconnect Acoustic Tube Replacement		X	X	X				X	X			X	X
RLN6490B	XBT Operations Critical Wireless Behind-the-Neck Headset													X
RLN6491B	XBT Operations Critical Wireless Headband Style Headset													X
RLN6511A	EP7-SM Sonic Defenders Ultra Earplugs												X	X
RLN6512A	EP7-M Sonic Defenders Ultra Earplugs												X	X
RLN6513A	EP7-LG Sonic Defenders Ultra Earplugs												X	X
RLN6556A	Bluetooth Accessory Kit with flexible earpiece, pod, & charging cradle w/power supply												X	X
RMN4055B	RX Only Headband Headset 3.5MM RT Angle Plug												X	X
RMN5114A	Lightweight Temple Transducer Headset										X			
RMN5132A	3M Peltor HT Series Listen Only, HTM79B-34 Neckband												X	X
RMN5133A	3M Peltor HT Series Listen Only, HTM79P3E-34 Helm												X	X

# PORTABLE RADIO ACCESSORIES

<b>EARPIECES</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
<b>MODEL #</b>	<b>DESCRIPTION</b>													
56517	D-Style Earpiece with In-line Microphone and PTT								X	X	X			
56518	Earpiece with Boom Microphone								X	X	X			
67009254001	Replacement Rubber Eartip for RLN6424								X	X			X	X
7.58037E+17	Replacement Foam Ear Cushions			X	X				X	X				
0186180Z01	Replacement Foam Earbuds			X	X				X	X				
53866F	Earbud with Clip Microphone and PTT										X			
AAK50X501	MH-37A4B-1 Earpiece Microphone Single Wire Surveillance Kit						X						X	
AAL82X501	MH-100 3.5MM Earpiece for RSM Audio Jack						X						X	
AAL83X501	MH-101A4B 1 Wire Surveillance Kit						X						X	
AAL84X501	MH-102A4B 2 Wire Surveillance Kit						X						X	
AAL85X501	MH-103A4B 3 Wire Surveillance Kit						X						X	
AAM21X501	MH-89A4B Earpiece Microphone							X						
BDN6720A	Earpiece Flex Ear Rec w/GP300 Conn			X	X									
BDN6774	Earpiece with Microphone (worn over ear with streamlined boom mic)										X			
HKLN4599B	Headset, Earpiece w/PTT, Mic, Slim Plug, PVC Free					X					X			
HKLN4601A	1-Wire Surveillance Kit					X					X			
HKLN4604B	Swivel Earpiece with In-Line Mic and PTT					X					X			
HKLN4608A	Clear Acoustic Tube Accessory For HKLN4601					X					X			
HMN8435A	Earbud w/Mic &+ PTT										X			
HMN9754D	Surveillance Microphone (Two-Wire)		X											
NNTN8189C	Bluetooth Accessory Kit												X	X
NNTN8299A	Replacement Eartips												X	X
PMLN4294D	Earbud with Mic & PTT Combined	X												
PMLN4442A	Earbud with In-Line Microphone	X	X											
PMLN4443AB	Ear Receiver with In-Line Microphone	X	X											
PMLN4444A	Earset Boom Microphone with PTT/VOX		X											
PMLN4605A	Replacement Clear Acoustic Tube	X		X	X									
PMLN4620B	Receive-Only D-Shell Earpiece	X	X	X	X								X	X
PMLN5001A	D Shell Earpiece with PTT Mic	X												
PMLN5727A	Earpiece Inline Microphone/PTT, Swivel, MagOne												X	X
PMLN5732A	Earset w/Boom Microphone, Mag One									X			X	X
PMLN5733A	Mag One Earbud with inline microphone and PTT												X	X
PMLN6531A	Mag One Ear Receiver with inline microphone, PTT and VOX			X	X									
PMLN6532A	Mag One Swivel Earpiece with inline microphone and PTT			X	X									
PMLN6533A	Earset with combined MIC/PTT			X	X									
PMLN6534A	Mag One Earbud with inline microphone, PTT and VOX			X	X									
PMLN6535A	D-Style Earpiece with mic and PTT			X	X									
PMLN6537A	Mag One Earset with boom microphone and inline PTT and VOX switch			X	X									
PMLN6541A	Lightweight Temple Transducer Headset with inline microphone and push-to-talk			X	X									
PMLN6635A	Lightweight Over-the-Head Headset, Single Muff, In-line PTT and Boom Mic												X	X
PMLN6754A	IMPRES 3-Wire Surveillance Kit with quick disconnect translucent tube, black												X	X
PMLN6755A	IMPRES 3-Wire Surveillance Kit with quick disconnect translucent tube, Beige												X	X
PMLN6757A	Adjustable D-style earpiece with in-line microphone and push-to-talk, black												X	X

# PORTABLE RADIO ACCESSORIES

<b>EARPIECES</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
MODEL #	DESCRIPTION													
PMLN7156A	Earbud w/ In-Line PTT, Mag One								X	X			X	X
PMLN7157A	2-Wire Surveillance Kit with Translucent Tube, Black								X	X				
PMLN7158A	1-Wire Surveillance Kit with Translucent Tube, Black								X	X				
PMLN7159A	Adjustable D-Style Earpiece w/ In-Line PTT/Mic, Black								X	X				
PMLN7189A	Swivel Earpiece, In-Line Mic & PTT								X	X				
PMLN7396A	D-Shell Adjustable Earpiece												X	X
PMLN7696A	Completely Discreet Earpiece, Wireless Neckloop												X	X
PMMN4001A	Ultra-Light Earpiece w/Boom Mic	X												
RLN4895A	Earpiece w/Mic&PTT/Comb (Blk)	X	X											
RLN5500A	Audio Accessory Retainer Kit			X	X									
RLN6282A	Replacement Ear Tips, Clear - Pack of 50									X				
RLN6500A	Bluetooth Accessory Kit with Power Supply												X	X
RLN6550A	Wireless Earpiece, Bluetooth Accessory Kit												X	X
WADN4190B	Receive-Only Flexible Earpiece with 3.5mm plug	X	X	X	X								X	X

<b>MICROPHONES</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
MODEL #	DESCRIPTION													
A13960507	MH-45B4B Noise Cancelling Speaker Microphone											X		
AAE46X507	MH-66A4B IP57 Submersible Speaker Microphone						X					X		
AAE46X509	MH-66F4B IP57 Submersible Speaker Microphone							X						
AAF52X501	MH-360S Compact Speaker Microphone						X					X		
AAF53X501	MH-450S Medium-Duty Speaker Mic w/ Lapel Clip and 3.5mm Jack						X					X		
AAM24X501	MH-90A4B Compact Speaker Microphone							X						
HKLN4606A	Remote Speaker Microphone					X					X			
HMN9051A	Remote Speaker Microphone										X			
PMMN4008A	Remote Speaker Microphone		X											
PMMN4013A	Remote Speaker Mic w/Coil Cord and Swivel Clip		X	X	X									
PMMN4029A	Remote Speaker Microphone with IP57 Rating		X	X	X									
PMMN4071A	IMPRES RSM large 3.5 jack NC												X	X
PMMN4073A	IMPRES RSM, small 3.5 jack												X	X
PMMN4075A	RSM, small IP57, no Emerg												X	X
PMMN4076A	RSM small 3.5 jack, no Emerg												X	X
PMMN4077A	Remote Speaker Microphone - Mag One	X												
PMMN4092A	Mag One Remote Speaker Mic			X	X									

# PORTABLE RADIO ACCESSORIES

<b>BATTERIES</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
		MODEL #	DESCRIPTION											
56557	Li-ion, 1100 mAh, 3.6V Battery										X			
AAJ67X501	FNB-V133LI-UNI 1380 mAh Li-ion Battery						X					X		
AAJ68X501	FNB-V134LI-UNI 2300 mAh Li-ion Battery						X					X		
AAL01X501	FNB-V136-UNI 1200 mAh Ni-MH Battery						X					X		
HKLN4678A	Battery Cover									X				
NNTN4497DR	Premium High-Capacity Lithium Ion (Li-ion) battery 2250 mAh			X	X									
NNTN4851A	Premium (NiMh) battery - 1400 mAh			X	X									
NNTN4970A	Slim Premium (Li-ion) battery - 1600 mAh			X	X									
PMHF4014A	Battery Door Kit					X								
PMLN7074A	Battery Door Cover								X					
PMNN4071AR	Battery NiMH 1200 mAh	X												
PMNN4072A	Mag One NiMH, 1300 mAh, Battery			X	X									
PMNN4075AR	Li-ion High Capacity 1500 mAh Battery	X												
PMNN4080AR	Li-ion High Capacity 2150 mAh 7.4V Battery		X											
PMNN4082BR	NiMH 1300 mAh 7.4V Battery		X											
PMNN4406BR	Slim Li Ion, 1500 mAh battery, Submersible (IP67) Battery												X	X
PMNN4407BR	IMPRES Slim Li Ion, 1500 mAh battery, Submersible (IP67) Battery												X	X
PMNN4448AR	IMPRES Hi-Cap Li-ion 2700mAh Submersible (IP67) Battery												X	X
PMNN4450AR	Li-ion 2800M 2900T IP54 Battery			X	X									
PMNN4458BR	MagOne Li-Ion, 2050 mAh Battery			X	X									
PMNN4468A	Li-Ion 2300T Battery						X	X	X					
PMNN4476A	Li-ion 1500 mAh 7.4V Battery		X											
PMNN4488A	IMPRES Low Volt Hi-Cap 3000 mAh												X	X
PMNN4490A	TIA IMPRES Low Volt 2900 mAh - TIA4950 / UL Approved												X	X
PMNN4491B	IMPRES Slim Li-Ion, 2100 mAh battery												X	X
PMNN4493A	IMPRES Low Volt Hi-Cap 3000 mAh (IP68)												X	X
PMNN4525A	IMPRES 1950 mAh battery Submersible (IP68), -30°C rated												X	X
PMNN4544A	Impres Li-Ion Battery 2450T, IP68-rated												X	X
PMNN4578A	Li-ion, 2500T Battery Pack					X								



# PORTABLE RADIO ACCESSORIES

<b>CHARGERS</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
<b>MODEL #</b>	<b>DESCRIPTION</b>													
56531	Charger Multi Unit Rapid										X			
56553	Charger Double Unit										X			
25009298001	Micro-USB Charger, Switch Mode, Low Noise, 5W, US/NA								X					
AAJ71X502	PA-55B Power Adapter for CD-58 (US)						X						X	
AAJ72X501	CD-58 120V Single Unit Charger						X						X	
AAK45X501	VCM-5 Vehicle Charger Mounting Adapter						X						X	
AAM19X501	CD-65 Standard Charging Cradle							X						
AAM20X501	CD-66 Enhanced Charging Cradle							X						
BR000272A01	Wall Mount Bracket												X	X
CB000262A01	Micro USB Programming Cable									X				
EPNN7997	10 Hour Plug In Charger (NNTN4496_R NiCd battery only)			X	X									
EPNN9288A	Spare rapid-rate charger transformer	X	X	X	X									
NLN7967A	Wall Mount for Multi-Unit Charger												X	X
NNTN6844A	Wall Mount Bracket			X	X									
NNTN7392A	IMPRES Battery Reader												X	X
NNTN7616D	IMPRESS Vehicular Charger												X	X
NNTN7677A	Multi-Unit Charger Interface Unit												X	X
NNTN8045A	Single-Unit Charger Interface Unit												X	X
NNTN8275A	Single Unit Charger												X	X
NNTN8460A	Charger Insert (CP200)		X	X	X									
NNTN8461A	Charger Insert (CP185)		X	X	X									
NNTN8525A	Travel Charger with voltage regulated vehicular charger adapter,												X	X
PMLN5048AR	Mag One Tri - Chemistry Rapid Charger Kit	X												
PMLN5193A	90 Minute Rapid Rate Charger with Switch Mode Power Supply			X	X									
PMLN5398	Tri-Chemistry Single Unit Charger Base		X											
PMLN6588A	6 Unit Rapid Rate Charger			X	X									
PMLN6597A	Multi Unit Charger		X											
PMLN7089A	Travel Charger			X	X									
PMLN7101A	Standard Multi Unit Charger								X	X				
PMLN7109A	Standard Single Unit Charger								X	X				
PMPN4173A	Rapid Rate Desktop Charger (110 V)			X	X									
PMPN4174A	Single unit Charger, 120V, NA/LA, CEC compliant												X	X
PMPN4184A	Multi-unit Rapid Rate Charger	X												
PMPN4284A	IMPRES 6 pocket, 1 display charger												X	X
PMPN4465A	6-Pocket Multi Unit-Charger													
PMPN4468A	Single-Unit Charger Tray					X								
PMPN4469A	Single-Unit Charger, US/NA Kit					X								
PS000150A11	Micro USB Wall Charger, 5W 100V-240V (US Plug)					X				X				
PS000227A11	5W L6 Micro-USB Charger													
PS000228A01	3W L6 Micro-USB Charger					X								
RLN5382C	Charger Display Module for IMPRES Multi-Unit Charger with Software					X							X	X
RLN6350	Mag One Rapid Charger, Li-ion Battery Bundle Kit	X												
XUAAJ72X511	VAC-UNI 120V Single Unit Charger						X						X	
XUAAK44X511	VAC-6058 120V Multi Unit Charger						X						X	
XUAAAM36X501	VAC-6066 120V Multi Unit Charger							X						

# PORTABLE RADIO ACCESSORIES

<b>CARRYING SOLUTIONS</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
<b>MODEL #</b>	<b>DESCRIPTION</b>													
56519	Carry Case with Adjustable Strap										X			
4200865599	1.75" Wide Leather Belt												X	X
1505596Z02	Replacement Strap for RLN4570 and HLN6602 Chest Packs			X	X								X	X
4280384F89	RadioPAK Extension Belt. For waists larger than 40 inches.			X	X								X	X
4280483B03	Replacement 2.5" Swivel Belt Loop			X	X									
4280483B04	Replacement 3" Swivel Belt Loop			X	X									
AAH12X501	Belt Clip						X					X		
AAM03X511	LCC-261 Leather case with belt loop (FNB-V133LI-UNI)						X					X		
AAM03X512	LCC-261H Leather case with belt loop (FNB-V134LI-UNI)						X					X		
AAM03X513	LCC-261S Leather case with swivel belt loop (FNB-V133LI-UNI)						X					X		
AAM03X514	LCC-261SH Leather case with swivel belt loop (FNB-V134LI-UNI)						X					X		
AAM18X501	CLIP-27 Belt Clip							X						
AAM22X501	LCC-S24 Leather case with belt loop							X						
AAM22X502	LCC-S24S Leather case with swivel belt loop							X						
HCLN4013C	Replacement Swivel Belt Holster										X			
HLN6602A	Universal Chest Pack with Radio Holder, Pen Holder and Velcro Pouch	X	X	X									X	X
HLN8255B	Belt Clip w/Spring (Black)			X	X									
HLN9701B	Nylon Carry Case Short w/Belt Loop DTMF	X	X	X										
HLN9844A	2" Spring Belt Clip	X												
HLN9985B	Waterproof Bag with Large Strap	X	X	X									X	X
NTN5243A	Adjustable, Black Nylon Carrying Strap			X	X								X	X
PMLN4651A	2" Hard Plastic Belt Clip												X	X
PMLN4742A	Mag One Hard Leather Case	X												
PMLN4743A	Mag One 2" Spring Belt Clip	X												
PMLN5334A	Soft Leather Protective Case		X											
PMLN5610A	2.5" Replacement Swivel Belt Loop												X	X
PMLN5611A	3" Replacement Swivel Belt Loop												X	X
PMLN5863A	Hard Leather Carry Case 3" Fixed Belt Loop for Limited Keypad Radio													X
PMLN5864A	Hard Leather Carry Case with 3" Fixed Belt Loop for Non Display Radio												X	
PMLN5865A	Hard Leather Carry Case with 3" Swivel Belt Loop for Limited Keypad Radio													X
PMLN5866A	Hard Leather Carry Case with 3" Swivel Belt Loop for Non Display Radio												X	
PMLN5867A	Hard Leather Carry Case with 2.5" Swivel Belt Loop for Limited Keypad Radio													X
PMLN5868A	Hard Leather Carry Case with 2.5" Swivel Belt Loop for Non Display Radio												X	
PMLN5869A	Nylon Carry Case with 3" fixed belt loop for Limited Keypad Radio													X
PMLN5870A	Nylon Carry Case with 3" fixed belt loop for Non Display												X	
PMLN6066A	Accessory Connector Dust Cover												X	X
PMLN6074A	Wrist Strap								X	X				
PMLN7076A	Flexible Hand Strap							X						
PMLN7008A	2.5" Hard Plastic Belt Clip												X	X
PMLN7128A	Belt Clip (Heavy Duty)							X	X					
PMLN7190A	Swivel Carry Holster							X						
PMLN7296A	Silent Alert Vibrating Belt Clip used with PMNN4488 battery												X	X
PMLN7932A	Carry Holster with Swivel Belt Clip									X				

# PORTABLE RADIO ACCESSORIES

<b>CARRYING SOLUTIONS</b>		BRP40	CP185	CP100d	CP200d	DTR700	EVX-261	EVX-S24	SL300	TLK 100	VL50	VX-261	XPR3300e	XPR3500e
<b>MODEL #</b>	<b>DESCRIPTION</b>													
PMLN7939A	Swivel Holster					X								
RLN4570A	Break-Away Chest Pack			X	X								X	X
RLN4815A	RadioPAK Radio/Utility Case		X	X	X								X	X
RLN5383A	Leather Carry Case w/Belt Clip			X	X									
RLN5384B	Leather Carry Case w/Swivel 2.5"			X	X									
RLN5385B	Leather Carry Case w/Swivel 3"			X	X									
RLN5644A	Belt Clip 2"			X	X									
RLN5716A	Replacement T-Strap for leather cases			X	X									
RLN6486A	Boston Leather Fireman's Radio Strap												X	X
RLN6487A	Boston Leather Fireman's Radio Strap - XL												X	X
RLN6488A	Boston Leather Anti-Sway Strap for Boston Leather Fireman's Radio Strap												X	X
TDN9327A	Portable Radio Hanger for door panels up to 2.75 inches			X	X									
TDN9373A	Portable Radio Hanger for door panels 2.75 to 3.25 inches.			X	X									



# MOBILE RADIO ACCESSORIES

## MOTOROLA MOBILE RADIO ACCESSORIES

There's a vast variety of accessories that are available for mobile radios. From mounting brackets to microphones, antennas to speakers, Motorola offers a wide range of solutions to make installations safe, secure and easy to use.

### MAKE IT EASY TO BE MORE EFFICIENT ON THE JOB

Simple, clear voice communication is a "must have" for your operation. We realize that to help you excel in your job, you need accessories that match the performance of your Motorola radios – that truly fit your work environment. When you use Motorola accessories with your mobile radio, you are simply more efficient. That's why it's important to use Motorola Original® accessories. They're the only ones designed, built and tested with your mobile radio to optimize its performance. Only Motorola accessories unleash the full power of your radios. So as you deliver packages, dispatch trucks and coordinate shipments, you can work more easily and efficiently with our comfortable, convenient and practical accessories. Combine Motorola's best-in-class radios with Motorola Original® accessories to achieve even greater efficiency and cost savings. Together, you'll rethink what's an accessory – and what's a necessity.

### HOW DO MOBILE WIRELESS ACCESSORIES HELP ME?

Use your mobile radio like never before and freely move around your vehicle. This means a driver can sort through packages on the back of the delivery truck, a bus driver can check on students in the back of the bus, or a city worker can trim trees from a cherry picker, and all can still remain connected to their mobile radio. And by removing the wired connection to a desktop mobile, a dispatcher can walk around the office and manage calls.



## MICROPHONES AND AUDIO

### MICROPHONES

Do road noise, rush-hour traffic, heavy equipment, diesel engines and other loud sounds compete with your communication? The Intelligent Audio feature makes adjusting your radio volume to handle external noise a thing of the past.

Intelligent Audio listens to sounds in the background and automatically raises or lowers your radio volume so you can always hear clearly. If you're driving an empty bus that quickly fills with chattering children – you will still be able to hear important communication without taking your hands off the wheel to adjust the radio volume.

Find the right microphone for the way you work – whether you're delivering packages around town or transporting children to school.

Choose from four different styles:

#### HEAVY-DUTY MICROPHONES

Heavy-Duty Microphone for users who want more durability, also ideal for those who need a larger microphone that is easier to handle when wearing gloves.

#### KEYPAD MICROPHONES

Keypad microphones let you easily navigate menus on your radio, dial numbers and more.

#### STANDARD COMPACT MICROPHONES

Standard Compact Microphones fit comfortably in your hand for quick, convenient communications.

#### TELEPHONE-STYLE HANDSET

Ideal for users wanting to conduct private conversations. Ergonomically designed, easy to hold. Includes cup and hardware.

# MOBILE RADIO ACCESSORIES

## CONTROL STATION ACCESSORIES

A Control Station converts a mobile two-way radio into a convenient base station. This makes an ideal communication solution for transportation, manufacturing, construction and public safety users.

Turn a mobile into a convenient desktop base station. Perfect for fleet operators in transportation, construction and public safety industries. Mobile radio and desktop microphone both sold separately.

The radio mounts into the lightweight, portable chassis, containing a full range of front panel control buttons plus an internal microphone, speaker and power supply. A front connector allows for a range of external audio accessories, including a desk microphone, tone or DC remote adapter and telephone interconnect. Not compatible with all mobile radios.



## VEHICLE SOLUTIONS

### KEEP YOUR EYES ON THE ROAD AND YOUR HANDS ON THE WHEEL

Communicate safely with these essential vehicle solutions, wherever the work takes you – from the school bus to the short-haul delivery truck. Clip the visor microphone to your vehicle's sun visor, so you don't have to hold a microphone. Combine it with one of our remote push-to-talk options, push-button mounted on the steering wheel or footswitch mounted on the floor, to provide a complete hands-free communication solution.

### EMERGENCY FOOT SWITCH

Lets user notify the base station quickly and discreetly of trouble. Sends signal to station and activates microphone.

### EXTERNAL PUSH-TO-TALK (PTT)

Activate the PTT or emergency footswitch without having to use the mobile microphone. A simple push-button PTT can be held in the hand or mounted in your vehicle for easy access, while the emergency footswitch lets you discreetly activate emergency hands-free when a critical situation arises.

### VISOR MICROPHONE AND PUSH-TO-TALK SWITCHES

Improve convenience and safety with the Visor Microphone and its compatible hands-free transmission options. Small microphone mounts to vehicle's visor for convenient hands-free radio operation. Use with choice of external push-to-talk switch.



# MOBILE RADIO ACCESSORIES

## PUBLIC ADDRESS AND SPEAKERS

### EXTERNAL SPEAKERS

Outmuscle noise in loud conditions and rugged situations – from the rumble of a cab in a cement truck to the hustle and bustle of a delivery truck at the loading dock. Motorola's external speakers give you an extra audio boost in your vehicle. Customize speakers to your environment.



### PUBLIC ADDRESS KITS

College campuses, commercial and industrial complexes, government facilities, military bases, municipal districts, local schools and even cities need to be able to communicate with the public in the event of an emergency, at public events and festivals. These accessories can help you get the word out, whether it's from a vehicle or from a desktop station through speakers at a fixed location.

## ANTENNAS

A variety of antennas ensure the best possible reception wherever you operate. Choose from antennas with integrated GPS to standalone RF antennas.

### FREQUENCY BAND

Most antennas only cover a portion of a frequency band. Motorola Solutions' Low Band, UHF, VHF, and 800/900 MHz antennas offer coverage across the entire band, enhancing your communication flexibility.

### INTEGRATED GPS

A GPS antenna is integrated into the RF antenna.

### LOW PROFILE ANTENNAS

Compact design is a key feature of low profile antennas.

### MAGNETIC/THROUGH-HOLE MOUNT ANTENNAS

These antennas are designed to direct the signal more toward the horizon, making them ideal for applications in more geographically flat regions where signal coverage is sparse and must cover a larger area.

## INSTALLATION AND MOUNTING ACCESSORIES

Mobile radios are often installed on the dash of a vehicle and run off its power source. These accessories are available for mounting Motorola Solutions' mobile two-way radios in vehicles. Mount your radio in your vehicle without compromising safety. Trunnion kits give you the flexibility to mount the radio under your dash, in your dash, between the seats or on the floor. Remote mount kits allow the radio to be mounted in the trunk when dash space is limited.

### HIGH-PROFILE MOUNTING BRACKET

Keeps radio tucked up under the dash, with extra clearance so radio can be tilted for a better view. It can also be positioned for floor mounting.

### LOW-PROFILE MOUNTING BRACKET

Keeps radio tucked up under the dash, can also be positioned for floor mount.

### KEY LOCK MOUNT

Key lock helps provide extra protection from theft. Lock/unlock radio from position in the mounting bracket.



# MOBILE RADIO ACCESSORIES

<b>ANTENNAS</b>		CM200d	CM300d	TLK150	VX-2100/2200
MODEL #	DESCRIPTION				
AN000358A01	LTE Antenna			X	
AN000359A01	GNSS Dash Mount Antenna			X	
HAD4006A	VHF 1/4 Wave Roof Mount 136-144 MHz Antenna	X	X		
HAD4007A	146-150.8 Mhz 1/4 Wave Urban Through-hole Roof Mount Antenna	X	X		
HAD4008A	VHF 1/4 Wave Roof Mount 150.8 -162 MHz	X	X		
HAD4009A	VHF 1/4 Wave Roof Mount 162-174 MHz	X	X		
HAD4022A	136-174 MHz 3.0dB Gain VHF Antenna	X	X		
HAE4002A	UHF 1/4 Wave Roof Mount 403-430 MHz	X	X		
HAE4003A	450-470 MHz, 1/4 Wave UHF Antenna	X	X		
HAE4010	406-420 MHz, 3.5 dB Gain Roof Mount, Mini-U	X	X		
HAE4011A	450-470 MHz, 3.5 dB Gain UHF Antenna	X	X		
HAE6022A	UHF 2dB Gain Trough-hole Mount Antenna, 403-470 MHz	X	X		
RAE4004ARB	Antenna UHF 5dB Gain Roof Mount 450-470 MHz	X	X		

<b>CABLE &amp; OPTION BOARDS</b>		CM200d	CM300d	TLK150	VX-2100/2200
MODEL #	DESCRIPTION				
GMBN1021	Rear Accessory Connector Seal with Connector and Pins			X	
PMKN4151	Mobile Rear Accessory Connector Universal Cable			X	
PMLN5620	Connector Extender, 20 pieces			X	
PMKN4147	Mobile Front Programming Cable			X	
XUCMR0003	VME-100 Board for MDC1200 Digital ANI				X

<b>CONTROL STATION</b>		CM200d	CM300d	TLK150	VX-2100/2200
MODEL #	DESCRIPTION				
3060665A04	Line Cord				
GKN6266A	Power Supply Cable (works with GPN6145 Power Supply)	X	X		
GLN7318A	Desktop Tray without Speaker	X	X		
HKN9088B	Antenna Adapter Mobile Mini-U - 8 Ft. Cable	X	X		
HPN4007D	Control Station Power Supply (110V, 15 amps 25-60W rated)	X	X		
PMMN4098A	Desktop Microphone	X	X		

# MOBILE RADIO ACCESSORIES

<b>HANDS-FREE</b>		CM200d	CM300d	TLK150	VX-2100/2200
MODEL #	DESCRIPTION				
PMMN4127	Bluetooth Remote Speaker Mic (WM500)			X	
RLN4836AR	Emergency Footswitch	X	X	X	
RLN4856A	Footswitch PTT	X	X	X	
RLN4857B	Pushbutton PTT	X	X	X	

<b>MICROPHONES &amp; SPEAKERS</b>		CM200d	CM300d	TLK150	VX-2100/2200
MODEL #	DESCRIPTION				
A09260503	MLS-100 External Speaker				X
AAD49X501	MLS-200 Waterproof External Speaker				X
AAE60X502	MH-67A8J Standard Microphone				X
AAF13X501	MD-12A8J Desktop Microphone				X
AAG22X501	MH-75A8J DTMF Microphone				X
GMMN4065D	Visor Microphone	X	X	X	
PMLN6481A	Telephone Style Handset w/ Hang up Clip	X	X		
PMMN4089A	Keypad Microphone	X	X		
PMMN4090A	Compact Microphone	X	X		
PMMN4091A	Heavy Duty Microphone	X	X		
PMMN4129	Wideband Compact Mobile Microphone				X
AC000240A01	Wideband External Speaker, 16 W				X
HSN8145B	Speaker 7.5 Watt External	X	X		
RSN4001A	Motorola RSN4001 - Speaker 13 Watt External	X	X		

<b>MOUNTING &amp; INSTALLATION</b>		CM200d	CM300d	TLK150	VX-2100/2200
MODEL #	DESCRIPTION				
GLN7326A	Desktop Tray with Speaker	X	X		
HKN4137A	Power Cable 15 Amp Low	X	X	X	
HKN4191B	10-foot Mid Power Cable for dash mount installations	X	X		
HKN4192B	20-foot Mid Power Cable for remote mount installations	X	X		
HKN9327BR	Switch Ignition Cable	X	X	X	
HLN9073B	Hang-Up Clip	X	X		
HLN9414A	Universal Microphone Hang-Up Clip	X	X		
PMLN8153	PS Adaptor and Cable				X
RLN6466A	Low Profile Trunnion Kit	X	X	X	
RLN6467A	High Profile Trunnion Kit	X	X	X	
RLN6468A	Key Lock Trunnion Kit	X	X	X	
XUSLX0001A	SEC-1223 Desktop Switching Power Supply 120 VAC				X



# WAVE PUSH-TO-TALK (PTT)

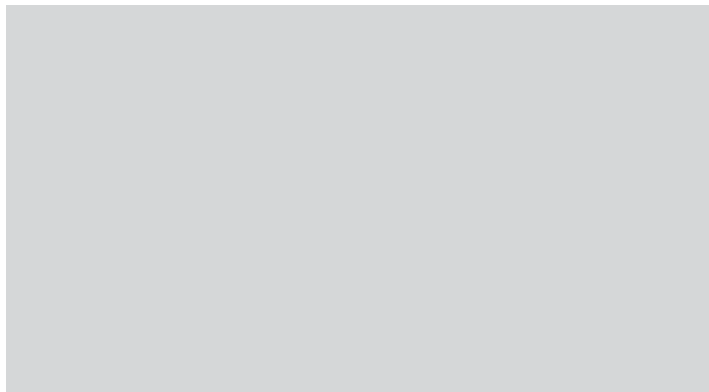


## WAVE™ BROADBAND PUSH-TO-TALK

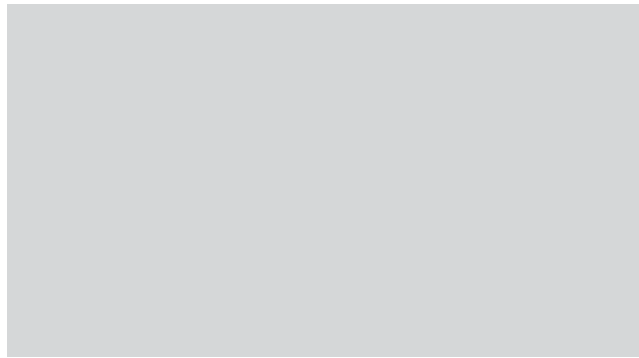
Connect your team with broadband push-to-talk across different devices, networks or geographic boundaries with a subscription-based communication service. Broadband PTT operates on LTE, so schools get the speed and simplicity of professional radio PTT communications with the ability to share details via text, photo, video or file attachment.

Broadband PTT extends school districts' radio system reach to those who don't carry radios. This solution runs on existing devices such as smartphones and tablets so all educators can reach each other, across schools and districts and in real-time during emergencies. School personnel can also see the presence and location of other Broadband PTT users in real-time.

**VIDEO**



# WAVE PUSH-TO-TALK (PTT)



## THE WAVE SEAMLESS PORTFOLIO

Communication Options that Work the Way You Do.

Select the communication tool that best fits your role and responsibility.



### WAVE TLK100 Portable Two-Way Radio

The WAVE TLK 100 portable two-way radio is a powerful and slim PTT-enabled two-way radio that allows your employees to stay connected anywhere in the nation. They just press a single button for direct PTT voice access to colleagues, delivered with crisp, clear audio.

Purpose-built for rugged use across a range of often chaotic, loud or dispersed worksites. There is no distracting, breakable screen. No texting, applications or email to get in the way. With single-button operations and battery life sure to outlive any smartphone, employees can get started immediately with a greatly reduced learning curve.

- Nationwide Push-to-Talk – Increase productivity with a nationwide push-to-talk network that powers the quickest push-to-talk setup and call times.
- Easy to Use and Manage – Communicate instantly and manage your business effortlessly by handling talkgroups and subscriptions in real time.
- Built for the Job – Get the job done with a rugged two-way radio that is built for business with location tracking and Wi-Fi calling.

### WAVE TLK150 Mobile Two-Way Radio

The TLK 150 mobile two-way radio powered by WAVE is an affordable, purpose-built, broadband device that allows countrywide team communications and helps users comply with the Federal Motor Carrier Safety Administration (FMCSA) regulations for driver distractions.

More reliable, more efficient, and easier to use than a smartphone, the TLK 150 gives you everything you appreciate about two-way radio – and more. Purpose-built for organizations and fleets where in-vehicle communication is paramount, the radios combine power with simplicity – providing instant information without distraction.

- Operate Safely in Vehicles – Use the one button PTT microphone or take advantage a variety of hands-free accessories to operate safely on the road and stay within FMCSA regulations for driver distraction.
- High Quality Audio – Hear conversations clearly while on the road, no matter if communication is held through the compact microphone, visor microphone, or external speaker.
- Powerful, Compact Design – Operate seamlessly with a small, compact device that can be mounted in multiple places in a vehicle.

# WAVE PUSH-TO-TALK (PTT)



## WAVE PTT Mobile App

Turn your phone into a PTT handset and get instant communication at the touch of a button.

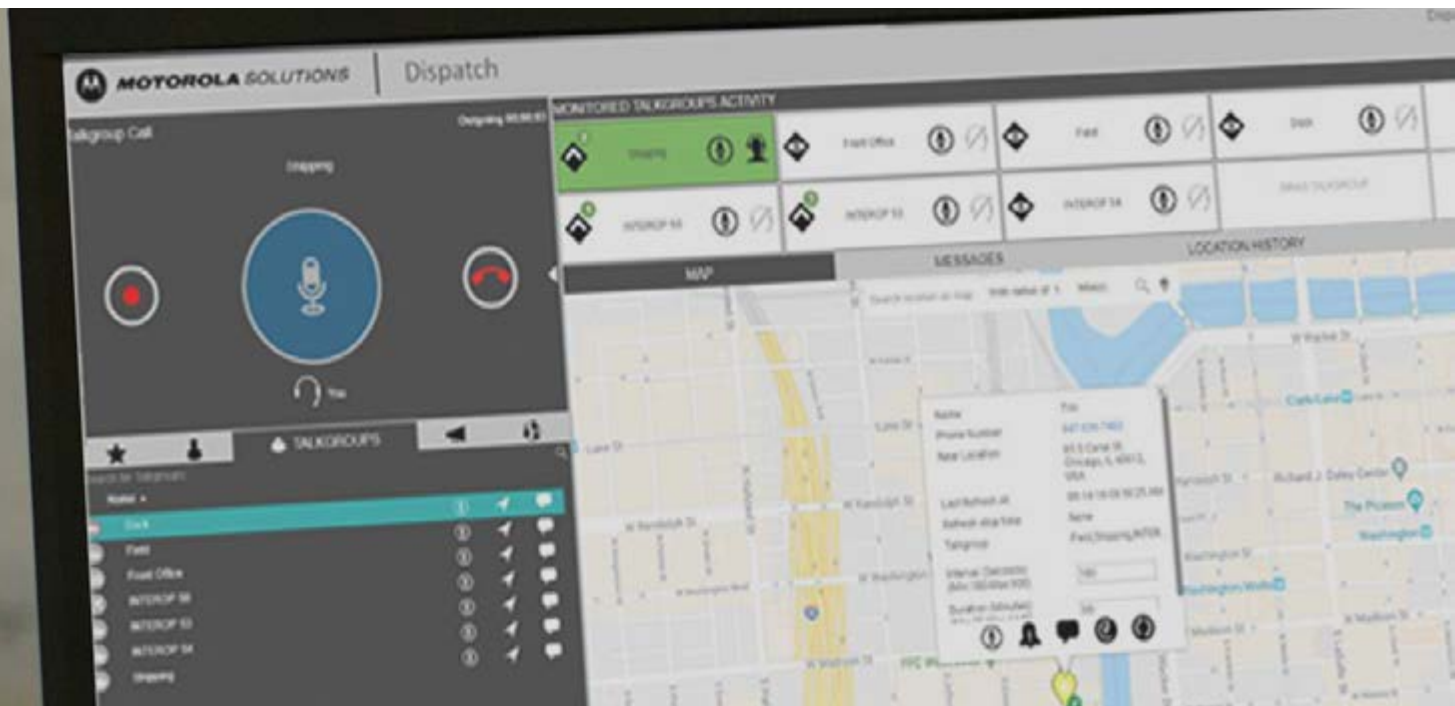
- Instant PTT Communication – Get the speed and simplicity of professional radio communication on your existing phone or tablet.
- Multimedia Messaging – Increase the speed and clarity of information via text, photo, video or file attachment.
- Location and Mapping – Track your team on a map, share your location, find an address or set a meeting place.



## WAVE PTT Web Dispatch

Centralize communication anywhere.

- Web-Based Dispatching – Log in from any PC and get the latest features with no software to install or maintain.
- Multimedia Communication – Share details with an individual or your entire team via text, photo and video or file attachment.
- Location and Mapping – Track your mobile teams on a map and efficiently dispatch based on real-time location.



## Communicate with MOTOTRBO Radio Users

With wireline integration to MOTOTRBO Connect Plus and Capacity Plus systems, WAVE Work Group Communications lets your mobile and office workers connect with simple, secure and affordable broadband push-to-talk (PTT), wherever they are.

# BODY-WORN CAMERAS



## **BUILD TRUST. PROTECT LIVELIHOODS.**

Healthcare workers and others in public-facing roles rely on the indisputable, non-biased evidence body cameras provide to protect their livelihood and build trust with those they protect and serve.

### **Behind the Body-Worn Cameras**

Innovation, integration and expertise are built into every body-worn camera so Motorola Solutions customers can perform their best in the moments that matter.

### **Integration Provides Insight**

Integrated systems, like body cameras that stream video into fixed camera security systems, allow security personnel to gain complete situational awareness and respond accordingly.

### **Expertise Creates Leadership**

Leadership is born of expertise, like being the leading provider of mobile video solutions for law enforcement, having supplied over one-third of all agencies in the U.S. and Canada.

Lightweight, unobtrusive cameras that integrate with fixed video security systems to provide security operators with complete situational awareness and help staff in public-facing roles feel safe.

## **VT100 BODY-WORN CAMERA**

### **A New Perspective When It Matters Most**

The VT100 delivers a customizable and fully integrated enterprise mobile video solution. 720p HD video. Remote alarm activation. Customer-friendly design. Seamless integration with existing CCTV.

The indisputable evidence captured by a VT100 is perfect for incident management and response.

### **Record. Respond. Protect.**

Creating a safe working environment is a top priority. Thanks to remote alarm activation, the VT100 empowers control room teams to respond swiftly when incidents occur. Protecting your people and promoting a safety-first culture.

#### **Overview:**

- VMS Integration
- Remote Alarm Activation
- Up To 3 Hours Continuous Recording
- Six Month Stand-By Battery-Life
- 16GB Recording Storage Capacity
- Full HD Recording
- Wi-Fi Streaming Capabilities
- Flexible Mounting Options

#### **Target Markets:**

- Education
- Retail
- Security
- Code Enforcement
- Lone Workers
- Transportation
- Healthcare
- Parking Enforcement
- Night Clubs



## LEADS THE WORLD'S MARINE COMMUNICATIONS MARKETS

Marine products require high reliability and functionality because ships must be operated safely even under severe weather conditions. The nature of marine communications is changing, such as the increased need for satellite-based location positioning systems and the adoption of GMDSS by certain countries. Because of this changing environment, we offer a wide spectrum of products. We are the leaders in communication equipment covering the HF to VHF frequency, the most important frequencies in marine communications. We also offer products for use in marine leisure activities such as for yachts and powerboats.

Standard Horizon's products are used in the fishing and shipping industries as well as installed in the base stations. They will continue to provide highly reliable products employing the latest in technology to the various market segments. In the area of professional use marine communications, it has received high praise from various countries for providing total solutions to government agencies such as the Coast Guard. Standard Horizon is constantly developing and releasing innovative new products.

# STANDARD HORIZON



## STANDARD HORIZON HX380

### VHF MARINE AND PROGRAMMABLE LAND MOBILE CHANNELS

The HX380 is factory programmed with all USA, Canadian, International and NOAA Weather channels. It also has the capability to be programmed with up to 40 Land Mobile Radio (137-174MHz) channels with CTCSS or DCS signaling. It is packaged with a 1600mAh Lithium-ion battery providing up to 13 hours of operating time on a single charge. In addition, the HX380 is designed with heavy commercial use in mind, with an internal 700mW speaker, receiving clear radio transmissions in a noisy environment is no longer a problem. Submersible IPX7 (3.3 feet for 30 minutes).



## STANDARD HORIZON HX400

### COMBINING MULTIPLE FEATURES FOR A WIDE VARIETY OF USERS

The HX400 is factory programmed with all USA, Canadian and International and NOAA Weather channels. It also has the capability to be programmed 40 Land Mobile Radio (137-174MHz) channels with CTCSS or DCS signaling. It is supplied with a whopping 2550 mAh Lithium-Ion battery that will keep you talking for about 17 hours and will surpass your voice transmissions expectations in noisy and windy environments with the built-in noise canceling microphone. Submersible IPX8/1.5M (4.92Ft) for 30 minutes.



## STANDARD HORIZON HX400IS

### INTRINSICALLY SAFE SUBMERSIBLE COMMERCIAL GRADE

The submersible HX400IS intrinsically safe handheld VHF is built to withstand the day-in day-out punishment in hostile commercial environments. The HX400IS is supplied with a whopping 2550 mAh Lithium-Ion battery that will keep you talking for about 17 hours. The HX400IS is factory programmed with all USA, Canadian and International and NOAA Weather channels. It also has the capability to be programmed with 40 Land Mobile Radio (137-174MHz) channels with CTCSS or DCS signaling. Submersible IPX8/1.5M (4.92Ft) for 30 minutes.

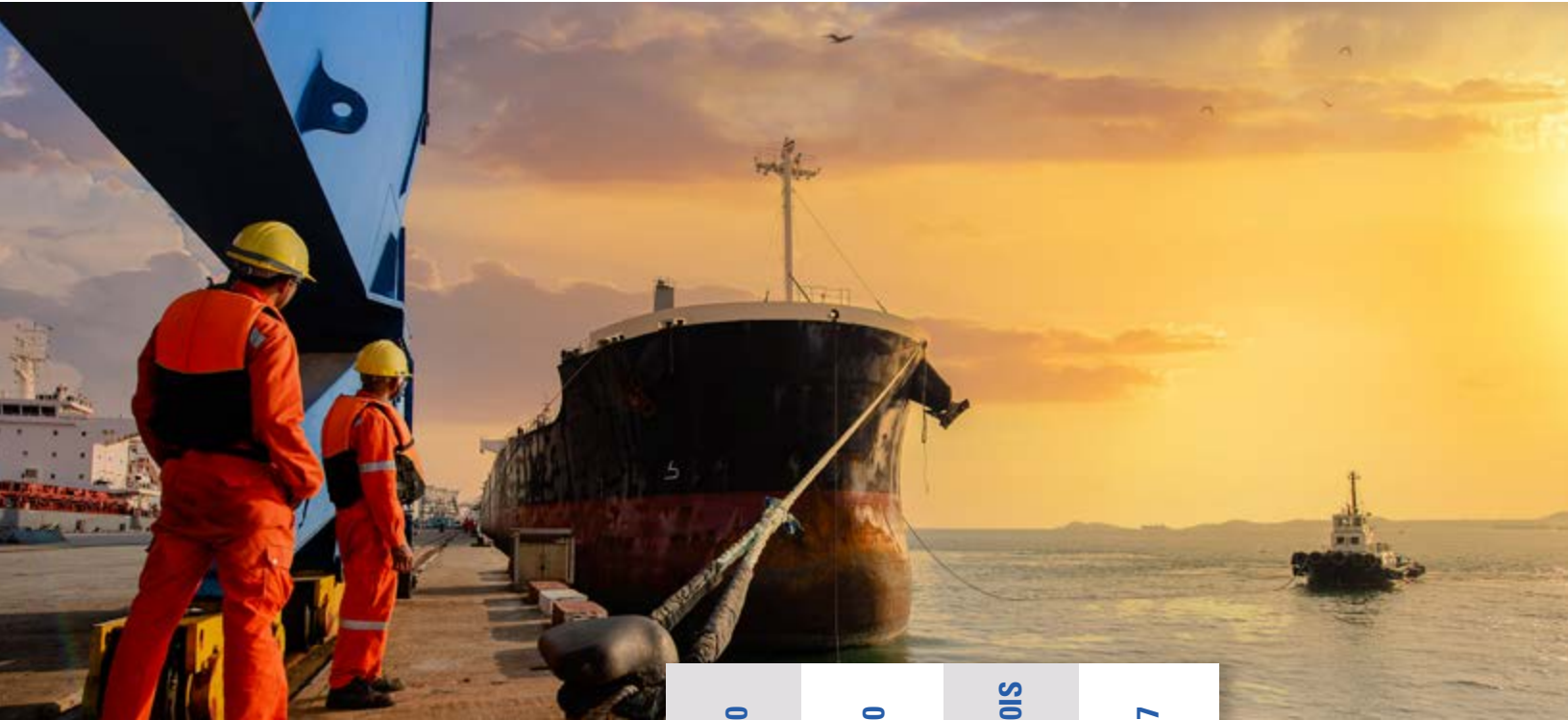


## STANDARD HORIZON HX407

### COMMERCIAL GRADE HANDHELD UHF

Up to 40 channels can be programmed into the HX407 using the programming software provided by your Standard Horizon dealer. 3 different versions are available: HX407 (400-430MHz), HX407 (420-450MHz), and HX407 (440-470MHz). The HX407 is supplied with a whopping 2300 mAh Lithium-Ion battery that will keep you talking for about 17 hours and the display shows a battery bar graph gauge to inform the charge left in the Lithium-ion battery. Submersible IPX8/1.5M (4.92Ft) for 30 minutes.

# STANDARD HORIZON



FEATURE	HX380	HX400	HX400IS	HX407
<b>MODES</b>	Analog	Analog	Analog	Analog
<b>FREQUENCY BANDS</b>	VHF	VHF	VHF	UHF
<b>CHANNELS</b>	40	40	40	40
<b>OUTPUT POWER (watts)</b>	5 or 1	5 or 1	5 or 1	5 or 1
<b>WATERPROOF RATING</b>	IPX7	IPX8	IPX8	IPX8
<b>BATTERY TYPE</b>	Lithium-Ion	Lithium-Ion	Lithium-Ion	Lithium-Ion
<b>MAX. BATTERY LIFE (hours)</b>	13	17	17	17
<b>DISPLAY</b>	Display	Display	Display	Display
<b>PROGRAMMABLE FUNCTIONS</b>	Yes	Yes	Yes	Yes
<b>DIMENSIONS (inches)</b>	2.5x5.5x1.5	2.25x5.25x1.75	2.25x5.25x1.75	2.5x5.5x1.5
<b>WARRANTY (years)</b>	3	3	3	3



**rf Services, Inc.**

442 Cadillac Parkway  
Dallas, GA 30157

**800-446-4969**  
**RFSWIRELESS.COM**



## RENTAL PROGRAM

rf Services has developed a rental program designed as an agreement between a radio dealer and the distributor. We have no intentions to advertise this rental program to end users, but rather supplement our authorized dealers' rental fleets or enable our dealers to offer rental radios to their customers. We have a written agreement, pricing, portable and mobile radios available at any time. We intend to continue to add more products and services in the future and we want to be your value-added distributor for years to come.

