Business Two-Way Radios and Accessories

LINK WORKERS TOGETHER
TO CREATE HIGHLY EFFECTIVE TEAMS

• Save Time
• Train New Hires
• Increase Productivity
• Simple to Use
• Reduce Labor Cost
• No Monthly Bills
LINK EVERY WORKER TOGETHER

- Compact, **simple to use** wireless devices that instantly communicate with every worker
- Workers are **linked together** as a team, hearing every critical piece of information
- Teammates **quickly share information**, and immediately respond to assist others
- Managers are **instantly accessible** to workers all the time, anywhere around the workplace
- New hires hear the exchange of information, **accelerating training** and effectiveness
- Instant communication improves **productivity, customer service, safety and security**
- There are **no monthly fees**, per-call charges or contracts

PROPERTY MANAGEMENT
Hotels, Resorts, Golf Courses, Apartments, Condos, Office Buildings, Sports Complexes
- Improve response time to guest needs
- Increase safety & security for guests, staff
- Make new hires more productive
- Maximize productivity of staff
- Coordinate events, banquets, meetings
- Respond quickly to emergencies

For Managers, Front Desk, Housekeeping, Meetings, Restaurants, Food Service, Security, Maintenance, Engineering

HEALTH CARE
Nursing, Assisted Living, Retirement, Long Term Care, Hospitals, Clinics
- Instantly talk to doctors, nurses, staff
- Respond quickly to emergencies
- Critical for disaster preparedness
- Coordinate social activities, events, trips
- Increase productivity of staff
- Increase safety & security for patients, residents, staff

For Doctors, Nurses, Management, Staff, Maintenance, Food Service

FOOD SERVICE
Restaurant, Banquet, Cafeteria, Bars, Meeting & Convention Facilities
- Improve table turns, increase revenue
- Clean & set tables faster
- Coordinate runners & replenishment
- Reduce customer wait time
- Notify wait staff when orders are ready
- Make new hires more productive

For Managers, Host, Wait Staff, Bus Staff, Kitchen, Valet Parking, Security

INDUSTRIAL
Manufacturing, Warehouse, Distribution Centers
- Improve assembly line operations
- Maximize output, sales & profit
- Instantly react to injuries or emergencies
- Increase safety and security
- Quickly request help, supplies, maintenance, quality control
- Expedite requests & rush orders
- Critical for disaster preparedness

For Shipping, Receiving, Line Workers, Supervisors, Maintenance, Quality Control, Engineering, Customer Service
TWO-WAY RADIO BASICS

Which is better UHF or VHF? UHF offers the best coverage and penetration inside buildings or outdoors. VHF is fine in flat open areas or around wood structures.

How much power do I need? Power is a major factor in achieving the range and coverage in a particular structure as well as providing a clear, crisp signal that is easy to understand. Coverage is improved when power is increased.

How many channels do I need? One channel per work group is typical. Use multi-channels when separating multiple work groups. Examples: Managers, shipping, manufacturing, maintenance, security, general & sub contractors, different departments such as stock, customer service, etc.

Do current Motorola models talk to older models and other brands? Yes, as long as the frequencies and codes match.

How many two-way radios can be used together? There is no limit.

How rugged are Motorola two-way radios? Motorola two-way radios are built rugged for business use and meet Motorola’s accelerated life testing including a 5 foot drop to concrete on all sides. RDX, XTN and AX Series two-way radios meet Military Standards for high resistance to dust, moisture, shock and vibration.

Can they be used with repeaters and base stations? Repeaters are special transmitters that provide wide area coverage (up to 50 miles). There is often a monthly fee per two-way radio to use the repeater. Motorola CLS, most RDX, XTN and DTR Series are designed for on-site use and do not work with repeaters. RDU4160d and AX models do work with repeaters (dealer programming required).

What is the warranty? Motorola Business two-way radios are covered by a 1-year replacement warranty against defects in material and workmanship from the original date of purchase.

Range is determined by several factors
- UHF provides the best coverage indoors and out, especially in steel and concrete structures and large industrial or multi-story buildings. A 2 watt UHF will provide better coverage inside industrial buildings than a 5 watt VHF.
- VHF is good for outdoor “line of sight” applications and inside wood structures
- Power More power provides greater coverage and penetration
- Obstructions Structures, metal, steel and concrete reduce range and coverage

### Range and Coverage Guide

<table>
<thead>
<tr>
<th>Channel Type</th>
<th>Industrial Buildings</th>
<th>Multi-Level Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHF 1 Watt</td>
<td>Up to 200,000 sq. ft.</td>
<td>Up to 10 Floors</td>
</tr>
<tr>
<td>UHF 2 Watt</td>
<td>Up to 250,000 sq. ft.</td>
<td>Up to 20 Floors</td>
</tr>
<tr>
<td>UHF 4 Watt</td>
<td>Up to 300,000 sq. ft.</td>
<td>Up to 30 Floors</td>
</tr>
<tr>
<td>DTR Digital</td>
<td>Up to 325,000 sq. ft.</td>
<td>Up to 25 Floors</td>
</tr>
<tr>
<td>VHF 2 Watt</td>
<td>Up to 180,000 sq. ft.</td>
<td>Up to 10 Floors</td>
</tr>
<tr>
<td>VHF 5 Watt</td>
<td>Up to 250,000 sq. ft.</td>
<td>Up to 15 Floors</td>
</tr>
</tbody>
</table>

### Return On Investment

Watch your savings multiply when each worker saves just 5 minutes per hour

<table>
<thead>
<tr>
<th>Hourly rate</th>
<th>Each radio pays for itself in...</th>
<th>Annual savings for 10 workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>$8 per hour</td>
<td>59 days</td>
<td>$14,000</td>
</tr>
<tr>
<td>$12 per hour</td>
<td>40 days</td>
<td>$21,000</td>
</tr>
<tr>
<td>$24 per hour</td>
<td>20 days</td>
<td>$42,000</td>
</tr>
</tbody>
</table>

www.acsspirit.com
**CLS Series** Compact & Lightweight

**CLS1110, CLS1410**
- 1 and 4 Channel models, 1 Watt transmit power
- 56 Built-in user changeable UHF frequencies (12.5 KHz, channel spacing)
- Interference eliminator with 121 codes (83 digital DPL, 38 analog PL)
- LCD display with battery meter and signal strength indicator
- Audio accessory jack - Use with speaker microphone and headsets
- VOX - Voice activated transmit with select audio accessories
- Cloning capable - Quickly copy settings from unit to unit (requires #565316-unit charger)
- Call Alert button with 3 selectable tones
- VibraCall® - Alerts the user with vibration instead of sound (CLS1410)

**INCLUDED**
- Li-Ion battery, 1100 mAh, up to 12 hrs (AAA Capable emergency power)
- 3 Hour desktop charger
- Plastic swivel holster with quick release belt clip

**ACCESSORIES ON PAGE 11**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Band</th>
<th>Transmit Power</th>
<th>No. of Channels</th>
<th>Built-in Frequencies</th>
<th>Special Features</th>
<th>Interference Eliminator Codes</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS1110</td>
<td>UHF</td>
<td>1 Watt</td>
<td>1</td>
<td>56</td>
<td>----</td>
<td>121</td>
<td>$169</td>
</tr>
<tr>
<td>CLS1410</td>
<td>UHF</td>
<td>1 Watt</td>
<td>4</td>
<td>56</td>
<td>Scan, VOX, VibraCall®</td>
<td>121</td>
<td>$189</td>
</tr>
</tbody>
</table>

**RDX Series** Compact, Extremely Rugged & Durable

**RDU2020, RDU2080d**
- 2 Watt Transmit Power
- 2 and 8 Channel models
- 89 Built-in user changeable UHF frequencies
- Interference Eliminator with 122 Codes (83 digital DPL, 39 analog PL)
- Channel scan
- Audio accessory jack – use with headsets and speaker mic
- VOX Voice activated transmit with select audio accessories
- Voice Scramble option for added privacy and security
- Robust 2000 mw audio output, 30% louder than other models
- Speaker has low magnetic field to greatly reduce attraction of metal shavings
- Free Custom Programming Software option (requires #RKN4155 cable)
- Meets Military Standards for high resistance to dust, moisture, shock, vibration

**RDU2080d**
- LCD Display for feature selection, battery level and more
- Channel Alias – Custom name each channel for quick identification
- Meets Military Standards for high resistance to dust, moisture, shock, vibration

**INCLUDED**
- Li-Ion Battery, Standard Capacity 1100 mAh, up to 12 hrs (AA Capable emergency power)
- 7 Hour desktop charger
- Heavy duty spring action belt clip

**ACCESSORIES ON PAGE 11**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Band</th>
<th>Transmit Power</th>
<th>No. of Channels</th>
<th>Built-in Frequencies</th>
<th>Special Features</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDU2020</td>
<td>UHF</td>
<td>2 Watt</td>
<td>2</td>
<td>89</td>
<td>---</td>
<td>$245</td>
</tr>
<tr>
<td>RDU2080d</td>
<td>UHF</td>
<td>2 Watt</td>
<td>8</td>
<td>89</td>
<td>LCD with channel alias</td>
<td>$290</td>
</tr>
</tbody>
</table>

**Range and Coverage**
- **Steel/Concrete Buildings**
  - UHF 1 Watt: Up to 200,000 sq. ft.
  - UHF 2 Watt: Up to 250,000 sq. ft.

**Dimensions**
- 4.1”H x 2.1”W x 1.1”D, Weight w/battery 5 oz., Color: Black
- 4.5”H x 2.2”W x 1.6”D, Weight w/battery 8.6 oz., Color: Black

Full Line Catalog, MSRP 4 www.acsspirit.com
**RDX Series  High Power, Extremely Rugged & Durable**

**RDU4100, RDU4160d**
- 4 Watt Transmit Power
- 10 and 16 Channel models
- 89 Built-in user selectable frequencies or dealer programmable to frequencies from 438 – 470 MHz
- Interference Eliminator with 122 Codes (83 digital DPL, 39 analog PL)
- Channel scan
- Audio accessory jack – use with headsets and speaker mic
- VOX Voice activated transmit with select audio accessories
- Voice Scramble option for added privacy and security
- Robust 2000 mw audio output, 30% louder than other models
- Speaker has low magnetic field to greatly reduce attraction of metal shavings
- Free Custom Programming Software option (requires #RKN4155 cable)
- Compatible with Repeaters and Base Stations
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

**RDU4160d Special Features**
- LCD Display for feature selection, battery level and more
- Channel Alias – Custom name each channel for quick identification
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

**INCLUDED**
- Li-Ion Battery, Ultra Capacity 2400 mAh, up to 18.5 hrs (AA Capable emergency power)
- 12 Hour desktop charger
- Heavy duty spring action belt clip

**ACCESSORIES ON PAGE 10**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Band</th>
<th>Transmit Power</th>
<th>No. of Channels</th>
<th>Special Features</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDU4100</td>
<td>UHF</td>
<td>4 Watt</td>
<td>10</td>
<td>Dealer programmable to hundreds of frequencies</td>
<td>$360</td>
</tr>
<tr>
<td>RDU4160d</td>
<td>UHF</td>
<td>4 Watt</td>
<td>16</td>
<td>Dealer programmable to hundreds of frequencies</td>
<td>$380</td>
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</tbody>
</table>

**RDX Series  Compact, Extremely Rugged & Durable**

**RDV2020, RDV2080d**
- 2 Watt Transmit Power
- 2 and 8 Channel models
- 27 Built-in user changeable VHF frequencies
- Interference Eliminator with 122 Codes (83 digital DPL, 39 analog PL)
- Channel scan
- Audio accessory jack – use with headsets and speaker mic
- VOX Voice activated transmit with select audio accessories
- Voice Scramble option for added privacy and security
- Robust 2000 mw audio output, 30% louder than other models
- Speaker has low magnetic field to greatly reduce attraction of metal shavings
- Free Custom Programming Software option (requires #RKN4155 cable)
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

**RDV2080d**
- LCD Display for feature selection, battery level and more
- Channel Alias – Custom name each channel for quick identification
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

**INCLUDED**
- Li-Ion Battery, Standard Capacity 1100 mAh, up to 12 hrs (AA Capable emergency power)
- 7 Hour desktop charger
- Heavy duty spring action belt clip

**ACCESSORIES ON PAGE 10**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Band</th>
<th>Transmit Power</th>
<th>No. of Channels</th>
<th>Built-in Frequencies</th>
<th>Special Features</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDV2020</td>
<td>VHF</td>
<td>2 Watt</td>
<td>2</td>
<td>27</td>
<td>---</td>
<td>$225</td>
</tr>
<tr>
<td>RDV2080d</td>
<td>VHF</td>
<td>2 Watt</td>
<td>8</td>
<td>27</td>
<td>LCD with channel alias</td>
<td>$265</td>
</tr>
</tbody>
</table>
**RDX Series**  Hi Power, Extremely Rugged & Durable

**RDV5100**

- 5 Watt Transmit Power
- 10 Channels
- 27 Built-in user selectable frequencies or dealer programmable to frequencies from 146 – 174 MHz
- Interference Eliminator with 122 Codes (83 digital DPL, 39 analog PL)
- Channel scan
- Audio accessory jack – use with headsets and speaker mic
- VOX Voice activated transmit with select audio accessories
- Voice Scramble option for added privacy and security
- Robust 2000 mw audio output, 30% louder than other models
- Speaker has low magnetic field to greatly reduce attraction of metal shavings
- Compatible with Repeaters and Base Stations
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

**INCLUDED**

- Li-Ion Battery, Ultra Capacity 2400 mAh, up to 18.5 hrs (AA Capable emergency power)
- 12 Hour desktop charger
- Heavy duty spring action belt clip

**ACCESSORIES ON PAGE 10**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Band</th>
<th>Transmit Power</th>
<th>No. of Channels</th>
<th>Special Features</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDV5100</td>
<td>VHF</td>
<td>5 Watt</td>
<td>10</td>
<td>Dealer programmable to hundreds of frequencies</td>
<td>$325</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Range and Coverage</th>
<th>Steel/Concrete Buildings</th>
<th>Multi-Level Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF 5 Watt</td>
<td>Up to 250,000 sq. ft.</td>
<td>Up to 15 Floors</td>
</tr>
</tbody>
</table>

**DTR Series**  Super High Performance DIGITAL Communication

**DIGITAL One-to-One PRIVATE Talk**
Talk Privately with other DTR Series radio users

**DIGITAL One-to-Many GROUP Talk**
Call all users that are set to the same channel

- Superior coverage similar to high power 4/5 watt analog models
- Up to 45% longer operation on a single battery charge
- Digital audio quality – loud and clear up to the edge of coverage
- Operates on license free 900 MHz. ISM frequencies
- Frequency Hopping Spread Spectrum for enhanced security within wireless networks
- Cloning capable - Quickly copy settings from unit to unit (requires # 53968 cloning cable)
- Up to 150 individual or group contacts (depending on model)
- Text Messaging - send a text message to other DTR users, use the preloaded messages or customize with your own message
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

**INCLUDED**

- Li-Ion Battery, 1200 mAh, up to 14.5 hrs
- 3 Hour desktop charger
- Plastic swivel holster with quick release belt clip

**ACCESSORIES ON PAGE 11**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Band</th>
<th>Transmit Power</th>
<th>Public Groups</th>
<th>Private Contacts</th>
<th>Special Features</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTR410</td>
<td>900 MHz.</td>
<td>1 Watt</td>
<td>Up to 5</td>
<td>100</td>
<td>Private one-to-one calling</td>
<td>$325</td>
</tr>
<tr>
<td>DTR550</td>
<td>900 MHz.</td>
<td>1 Watt</td>
<td>Up to 20</td>
<td>150</td>
<td>Private one-to-one calling</td>
<td>$355</td>
</tr>
</tbody>
</table>

Dimensions: 4.5”H x 2.2”W x 1.8”D, Weight w/battery 10.3 oz. Color: Black

Dimensions: 5.2”H x 2.3”W x 1.4”D, Weight w/battery 7.3 oz. Color: Black
Industrial Cordless Phone with Built-in Two-Way Radio

Cordless Phone
- Answer and make phone calls around the workplace
- Designed for use with multi-line phone systems - pickup specific lines, transfer calls, etc.
- Connect phone base to any analog extension port of the phone system
- Selectable outbound calling restrictions
- No monthly airtime charges
- Industrial design, excellent range and durability

Two-Way Radio
- Talk to all workers at the press of a button
- Get information and answers immediately
- Improve customer service, productivity and teamwork
- Manage workers and operations for greater efficiency
- Works with most UHF business Two-Way Radios including Motorola CLS, RDX, XU, AX, MU, GT

Included
- Li-Ion Battery, 1100 mAh, up to 12 hrs
- 3 Hour Desktop charger for handset (independent of phone base)
- Plastic swivel holster with belt clip
- Phone base with power cord (plug into analog extension port)

Q: What exactly is the CLS1450cB?
A: It is a 1-watt UHF business two-way radio with built in digital cordless phone. The UHF two-way radio portion can talk to any other UHF Two-Way Radios set to the same frequency and code. The cordless phone comes with a base unit that plugs directly into the phone system, into an analog extension port.

Q: Can I use the CLS1450cB with my existing business/phone system?
A: Yes, it must connect to an analog extension port of the phone system. Other analog devices are fax machines and credit card swipes. If your phone system does not have available analog ports, it may require additional phone equipment and/or programming of your phone system. Your phone system vendor is the best source for this information.

Q: How many phone lines can I access?
A: If connected to a business phone system that supports “analog extensions”, the CLS1450cB can access multiple lines and other system features such as answer incoming calls, pick up specific lines, pick up calls on hold, transfer calls, call other extensions, park, page, intercom, etc. System features are limited only by the phone system capability, not the CLS1450.

Q: Will the 2.4 GHz digital phone interfere with other wireless devices?
A: No. This cordless phone uses frequency hopping spread-spectrum (FHSS) technology, hopping from frequency-to-frequency across the entire 2.4 GHz ISM band every 10 milliseconds. Built-in adaptive frequency hopping avoids interference from other technologies such as WLAN devices (802.11g/b) Wireless access points, network adapters, and barcode scanners.

Q: Can I use more than one CLS1450cB handset with the cordless base unit?
A: Yes, up to four handsets may share a cordless base unit. However, only one handset can be on a phone call at any one time. Consequently, most users do not share a single base unit with multiple handsets.

Q: Why the range difference between two-way radio & cordless phone functions?
A: The FCC has specific frequencies for business two-way radio users that allow for higher power output and 3-4 times greater range than cordless phones. If the user is beyond cordless phone range, they can still communicate using the two-way radio. If the user wanders out of cordless phone range, they can return to their phone coverage area, to access a call.

Q: What can be done to maximize CLS1450cB cordless phone range?
A: Centrally locate the BASE unit as high as possible in the primary area where that user requires coverage. Maintain as much of a line-of-sight as possible. The handset has its own desktop charger, so the base unit does not need to be accessible for charging the handset.

Included
- Li-Ion Battery, 1100 mAh, up to 12 hrs
- 3 Hour Desktop charger for handset (independent of phone base)
- Plastic swivel holster with belt clip
- Phone base with power cord (plug into analog extension port)

Range and Coverage
- Up to 200,000 sq. ft.
- Up to 10 Floors

Model No. | Band | Transmit Power | No. of Channels | Built-in Frequencies | Special Features | Interference Eliminator Codes | MSRP
--- | --- | --- | --- | --- | --- | --- | ---
CLS1450cB | UHF | 1 Watt | 4 | 56 | Built-in 2.4 GHz Dect Cordless Phone | 121 | $399

CLS1450cH | UHF | 1 Watt | 4 | 56 | Built-in 2.4 GHz Dect Cordless Phone | 121 | $299

Handset Dimensions: 5.3” H x 2.1” W x 1.3” D
Weight w/battery 7 oz., Color: Black

www.acsspirit.com 7 Full Line Catalog_MSRP
The solution for difficult onsite coverage applications. The Range Extender/Repeater offers significant improvement for two-way radio coverage in and around buildings. Reach additional floors and eliminate dead spots when the unit is installed in a centralized indoor location. Ideal for industrial facilities, warehouses, schools, hotels/lodging facilities, nursing homes/healthcare facilities, retail stores, golf courses and more.

Range Extender/Repeater is compact 2” H x 8” W x 6” D and lightweight 3.5 lbs. Built with an extruded aluminum housing with mounting flanges for quick and easy installation. Connect to 110VAC power and it’s ready to use.

It works with all repeater capable UHF business two-way radios including the Motorola RDU4100 and RDU4160d. (see page 5)

- 5 watt UHF power output
- 1 channel with a UHF transmit frequency and a UHF receive frequency
- Factory programmed and tuned to frequencies from 450 to 470 MHz with 12.5 KHz bandwidth
- Tone PL and Digital DPL interference eliminator codes
- Built-in mounting flanges
- Includes factory programming and tuning, flexible 16” whip antenna with N type adapter and 110 VAC power supply
- Dimensions: 2” H x 8” W x 6” D, 3.5 lbs

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLR-65-N KIT</td>
<td>5 Watt UHF Range Extender/Repeater Kit</td>
<td>$1,299</td>
</tr>
<tr>
<td>RAM-45 UHF</td>
<td>For extended range - Magnetic Mount BNC Wire Antenna with 12’ Coax Cable</td>
<td>$65</td>
</tr>
</tbody>
</table>

An FCC license is required to operate a repeater. We will process the complicated FCC application for you, relieving you of this burdensome paperwork. Licensing cost will be quoted at time of request. The FCC license is valid for 10 years and is renewable. Once the FCC licensed frequencies are approved, the repeater will be factory programmed and shipped.

We can program most new or existing repeater capable two-way radios to work with this repeater. (See page 5 for repeater capable radios RDU4100 and RDU4160d.) We can also program most new and existing radios to work with your talk around channels that do not talk through the repeater.

For more information, call 800-248-5391
Wireless Message Alert Units

- Improve customer service  
- Increase revenue  
- Improve productivity  
- Reduce operating expenses

Customers or workers can get assistance quickly
Press the button and send your own customized message, up to 8 seconds long, to all two-way radio equipped workers. Ideal for unstaffed areas, gates, receiving areas, and more.

Monitor doors, docks, gates, sales or work areas, equipment, controls, etc.
Connect to a sensor that, when activated, will send a different pre-recorded message to all two-way radio equipped workers. The sensor can be a contact closure device such as a switch, push button, motion sensor, infrared beam, weight sensor, etc. Great for monitoring unmanned or difficult to see areas.

Use With Your Present Business UHF / VHF Two-Way Radios
The Wireless Message Alert uses business frequencies and is compatible with most Motorola and other business Two-Way Radios. It is low cost, completely wireless and battery powered.

### INDOOR WIRELESS MESSAGE ALERT

- 8 second recordable voice message capability
- Powered by 6 AA batteries (not included)
- Transmit LED indicates that message is being sent
- Also can connect to an external sensor with contact closure such as infrared beams, motion, weight, push button, bell, or other switches
- Indoor coverage up to 100,000 square feet
- Size: 5.25” H x 4.25” W x 2.5” D

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RQA-450-L</td>
<td>UHF 450 - 470 MHz</td>
<td>$340</td>
</tr>
<tr>
<td>RQA-150-L</td>
<td>VHF 150 - 165 MHz</td>
<td>$340</td>
</tr>
</tbody>
</table>

### OUTDOOR WIRELESS MESSAGE ALERT

- 8 second recordable voice message capability
- Covers up to 200,000 square feet
- Requires 6 AA batteries (not included)
- Size: 6.5” H x 5.5 W x 4.3 D

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RQT-150-PB</td>
<td>VHF, 150-165 MHz.</td>
<td>$369</td>
</tr>
<tr>
<td>RQT-450-PB</td>
<td>UHF, 450-470 MHz.</td>
<td>$369</td>
</tr>
</tbody>
</table>
## CLS Accessories

### CLS Li-Ion Battery
- Provides up to 12 hours of service with no memory effect. Replace every 12 months for best performance. 1100 mAh, 3.6v

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCNN4006</td>
<td>$35</td>
</tr>
</tbody>
</table>

### CLS 6-Unit Charger and Cloner
- Charge 6 radios or batteries from a single outlet. Uses 75% less electricity than 6 individual chargers. Copy settings from one radio to another. Provides central location for all radios. Wall mountable.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>56531</td>
<td>$196</td>
</tr>
</tbody>
</table>

### CLS 3 Hour Desktop Charger
- Drop-in charger for two-way radio or battery. Includes AC adapter.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>56553</td>
<td>$65</td>
</tr>
</tbody>
</table>

### CLS Leather Case with Strap
- Adjustable strap for wearing around waist, ideal for non-pant and non-belt users. Case protects two-way radio.

For: CLS1110,1410, CLS1450cB

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>56519</td>
<td>$30</td>
</tr>
<tr>
<td>MR7100-SFSD</td>
<td>$35</td>
</tr>
</tbody>
</table>

### CLS1110/1410 Plastic Holster
- Replacement plastic swivel holster with belt clip comes standard with CLS Series Two-Way Radios.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCLN4013A</td>
<td>$15</td>
</tr>
</tbody>
</table>

### CLS1450 Plastic Holster
- Replacement plastic swivel holster with belt clip for CLS1450c.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCLN4019</td>
<td>$25</td>
</tr>
</tbody>
</table>

## RDX Accessories

### RDX Standard Capacity Li-Ion Battery
- Standard for 2 watt models, 1100 mAh, up to 12 hrs.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLN6351</td>
<td>$80</td>
</tr>
</tbody>
</table>

### RDX Hi Capacity Li-Ion Battery
- 2200 mAh, up to 24 hrs for 2 watt models, 17 hrs for 4/5 watt models.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLN6305</td>
<td>$99</td>
</tr>
</tbody>
</table>

### RDX Ultra Capacity Li-Ion Battery
- Standard for 4/5 watt models, 2400 mAh, up to 18 hrs. 26 hrs for 2 watt models.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLN6308</td>
<td>$110</td>
</tr>
</tbody>
</table>

### RDX Alkaline Battery Frame
- Allows use of AA batteries for emergency power, up to 26 hrs.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLN6306</td>
<td>$40</td>
</tr>
</tbody>
</table>

### RDX 6 Unit Charger and Cloner
- Charge 6 radios or batteries from a single outlet. Uses 75% less electricity than 6 individual chargers. Quickly copy settings from one radio to another. Provides central location for all radios.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLN6309</td>
<td>$275</td>
</tr>
</tbody>
</table>

### RDX Rapid Charger
- Charges standard 1100 mAh battery in 1.5 hours, Ultra Hi Capacity (2400 mAh) battery in 3.5 hours.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLN6304</td>
<td>$65</td>
</tr>
</tbody>
</table>

### RDX Leather Swivel Holster
- Heavy duty leather holster protects two-way radio. The swivel makes kneeling/bending more comfortable, and quickly releases from the stainless steel belt clip.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR8461-2AP</td>
<td>$35</td>
</tr>
</tbody>
</table>

### RDX Cloning Cable
- Quickly copy all settings from one radio to another. Connects to the desktop charging base of each radio.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLN6303</td>
<td>$20</td>
</tr>
</tbody>
</table>

### RDX USB Cable for CPS Custom Programming Software

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RKN4155</td>
<td>$50</td>
</tr>
</tbody>
</table>
### DTR Accessories
**For DTR410, DTR550**

#### DTR Standard Li-Ion Battery
Standard with DTR radio, up to 14.5 hours. Replace every 12 months for best performance.
1200 mAh, 3.6v

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53963</td>
<td>$45</td>
</tr>
</tbody>
</table>

#### DTR Hi Capacity Li-Ion Battery
Up to 19 hours based on average use.
Replace every 12 months for best performance.
1500 mAh, 3.6v

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53964</td>
<td>$69</td>
</tr>
</tbody>
</table>

#### DTR410 6 Unit Charger
Charge 6 radios or batteries from a single outlet. Uses 75% less electricity than 6 individual chargers. Provides central location for all radios. Wall mountable.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53960</td>
<td>$199</td>
</tr>
</tbody>
</table>

#### DTR410 Leather Holster
Heavy duty leather swivel holster protects two-way radio. Makes kneeling/bending more comfortable and the quick release disconnects from the stainless steel belt clip quickly.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR8400-2BS</td>
<td>$35</td>
</tr>
</tbody>
</table>

#### DTR410 Plastic Holster
Replacement plastic swivel holster that comes standard with DTR Series Two-Way Radios.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53961</td>
<td>$15</td>
</tr>
</tbody>
</table>

#### DTR410 Cloning Cable
Quickly copy all settings from one radio to another. Connects to the desktop charging base of each radio.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53968</td>
<td>$30</td>
</tr>
</tbody>
</table>

#### DTR550 Antenna
This taller antenna extends the DTR550’s range up to 20%, offering significant improvement in coverage in and around buildings.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>8505241U04</td>
<td>$45</td>
</tr>
</tbody>
</table>

#### DTR410 Serial Programming Cable
Easily program DTR410 radios directly from your PC. Connects the PC serial port to the DTR410. Requires free downloadable programming software at www.motorola.com/dtr

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>0105950U15</td>
<td>$40</td>
</tr>
</tbody>
</table>

### XTN Accessories
**For XU, XV, CP100**

#### XTN NiMH Battery
Provides up to 15 hours of service with no memory effect. Replace every 12 months for best performance.
1500 mAh, 4.8v

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>NNTN8971BR</td>
<td>$36</td>
</tr>
</tbody>
</table>

#### XTN 10 Hour Charger
Drop-in desktop charger for two-way radio or battery. Also requires NNTN4077 AC adapter or originally included with two-way radio.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53872</td>
<td>$28</td>
</tr>
</tbody>
</table>

#### XTN 10 Hour Plug-In Charger
Replacement AC adapter originally included with the two-way radio.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>NNTN4077</td>
<td>$13</td>
</tr>
</tbody>
</table>

#### XTN 2 Hour Rapid Charger
Drop-in rapid desktop charger for two-way radio or battery. Includes AC adapter.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53875</td>
<td>$70</td>
</tr>
</tbody>
</table>

#### XTN Leather Swivel Holster
Heavy duty leather holster protects two-way radio. Swivel makes kneeling/bending more comfortable and the quick release disconnects from the stainless steel belt clip quickly.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR7000-20S</td>
<td>$35</td>
</tr>
</tbody>
</table>

#### XTN Plastic Holster
Replacement plastic swivel holster that comes standard with XU/XV Two-Way Radios.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>53821</td>
<td>$17</td>
</tr>
</tbody>
</table>
### AX ACCESSORIES FOR AXU, AXV, CP125, VL130

**AX NIMH BATTERY**
Provides up to 8 hours on high power, 11 hours on low power. Replace every 12 months for best performance. 1300 mAh 7.2v

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMNN4063AR</td>
<td>$49</td>
</tr>
</tbody>
</table>

**AX HEAVY DUTY BELT CLIP**
Replacement 3” heavy duty spring action belt clip fits belts up to 2.5 inches wide.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLN9714</td>
<td>$15</td>
</tr>
</tbody>
</table>

**AX VHF STUBBY ANTENNA**
For use with 5 watt VHF AX Series Radios

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMAD4028A</td>
<td>$15</td>
</tr>
</tbody>
</table>

**AX UHF STUBBY ANTENNA**
For use with 4 watt UHF AX Series Radios

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMAE4011A</td>
<td>$15</td>
</tr>
</tbody>
</table>

### REPLACEMENT ACCESSORIES FOR OTHER MOTOROLA MODELS

**RECHARGEABLE BATTERY**
Replace every 12 months for best performance. 7.2v
For: • HT1000 • MT2000 • MTX800

<table>
<thead>
<tr>
<th>Model</th>
<th>Type/Capacity</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTTN7143CR</td>
<td>NiCD/1200mAh</td>
<td>$74</td>
</tr>
<tr>
<td>NTTN7144CR</td>
<td>NiCD/1500mAh</td>
<td>$110</td>
</tr>
</tbody>
</table>

**RECHARGEABLE BATTERY**
Replace every 12 months for best performance. 7.5v
For: • Spirit M-Series • SP21 (HNN9056 & 53877)

<table>
<thead>
<tr>
<th>Model</th>
<th>Type/Capacity</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNN9044AR</td>
<td>NiCD/950mAh</td>
<td>$38</td>
</tr>
</tbody>
</table>

**RECHARGEABLE BATTERY**
Replace every 12 months for best performance. 7.5v
For: • Radius SP50 (Tall Version only)

<table>
<thead>
<tr>
<th>Model</th>
<th>Type/Capacity</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNN9018AR</td>
<td>NiCD/1200mAh</td>
<td>$45</td>
</tr>
</tbody>
</table>

**RECHARGEABLE BATTERY**
Replace every 12 months for best performance. 7.2v
For: • HT750 • HT1250

<table>
<thead>
<tr>
<th>Model</th>
<th>Type/Capacity</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNN9008AR</td>
<td>NiCD/1500mAh</td>
<td>$64</td>
</tr>
</tbody>
</table>

**AX 2 HOUR RAPID CHARGER**
Drop-in rapid desktop charger for two-way radio or battery. Includes AC adapter.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMTN4087A</td>
<td>$59</td>
</tr>
</tbody>
</table>

**AX LEATHER HOLSTER**
Heavy duty leather holster protects two-way radio. The swivel makes kneeling/bending more comfortable, quick release disconnects from the stainless steel belt clip quickly.

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR8280-20S</td>
<td>$35</td>
</tr>
</tbody>
</table>

**AX VHF STUBBY ANTENNA**
For use with 5 watt VHF AX Series Radios

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMAE4011A</td>
<td>$15</td>
</tr>
</tbody>
</table>

**AX UHF STUBBY ANTENNA**
For use with 4 watt UHF AX Series Radios

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMAE4011A</td>
<td>$15</td>
</tr>
</tbody>
</table>

**HEAVY DUTY BELT CLIP**
Replacement 3.5” spring action belt clip fits belts up to 2.5 inches wide. (53868 & HLN8255)
For: • HP Series • Spirit M-Series • Radius SP10, SP21, SP50, PR400

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLN9775</td>
<td>$15</td>
</tr>
</tbody>
</table>

**HIGH PERFORMANCE SPEAKER MIC**
Talk and listen without lifting two-way radio. Clips on shirt or collar.
For: • HP Series, CP200, CP150, PR400, CT250, CT450, VL130, CP125, SP50, P1225

<table>
<thead>
<tr>
<th>Model</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMMN4013A</td>
<td>$73.50</td>
</tr>
</tbody>
</table>
HEADSETS & AUDIO ACCESSORIES

ALL ARE COMPATIBLE WITH CLS, RDX, XTN, AX, DTR, M-SERIES

SWIVELED EARPIECE WITH IN-LINE PTT
Lightweight earpiece swivels to fit over either ear. In-line Push-to-talk (PTT) activates microphone.

MODEL  MSRP
RLN6423A  $42

EARTIP WITH IN-LINE PTT MICROPHONE
Discreet image with ear tip and PTT mic all in one single wire. Small comfortable ear tip to wear all day. Replaces S9500M.

MODEL  MSRP
S9500M  $70

EARTIP WITH IN-LINE PTT & MIC
2 wires, one for ear tip and the other for mic with PTT. Discreet image, with a small comfortable ear tip.

MODEL  MSRP
V1-10180  $99

EARTIP WITH MIC
Wear on either ear. Hangs over ear, secured by fitting earlobe in slot. Ideal for CLS1450cB.

MODEL  MSRP
53866  $61

EARBUD WITH IN-LINE PTT & MIC
2 wires, one for earbud and the other for mic with PTT. Discreet image, with a small earbud.

MODEL  MSRP
53865  $73

LIGHTWEIGHT HEADSET WITH BOOM MIC
Speaker worn on left ear, wire band goes behind head. Ideal for CLS1450cB.

MODEL  MSRP
53815  $39

EARBUD WITH IN-LINE MIC & PTT
Eartip with in-line PTT microphone
Discreet image, with a small comfortable ear tip.

MODEL  MSRP
56517  $35

LIGHTWEIGHT HEADSET WITH MIC & PTT
Lightweight earloop fits over either ear. In-line Push-to-talk (PTT) activates microphone.

MODEL  MSRP
56518  $35

EARTIP WITH MIC
Wear on either ear. Hangs over ear, secured by fitting earlobe in slot. Ideal for CLS1450cB.

MODEL  MSRP
53866  $61

LIGHTWEIGHT HEADSET WITH BOOM MIC
Speaker can be worn on either ear, plastic band goes on top of head. Rugged and durable. Ideal for CLS1450cB. Order 53865 for clam package.

MODEL  MSRP
53865  $79

HEADSET WITH BOOM MIC
Lightweight Earloop fits over either ear. Small boom mic provides clear audio. Use walkie PTT to activate mic. Ideal for CLS1450cB.

MODEL  MSRP
53857  $35

EARTIP WITH MIC & PTT
Eartip with in-line PTT microphone
Discreet image, with a small comfortable ear tip.

MODEL  MSRP
53866  $61

EARTIP WITH IN-LINE PTT & MIC
2 wires, one for ear tip and the other for mic with PTT. Discreet image, with a small comfortable ear tip.

MODEL  MSRP
V1-10180  $99

EARLOOP WITH IN-LINE MIC
Lightweight Earloop fits over either ear. In-line Push-to-talk (PTT) activates microphone.

MODEL  MSRP
53865  $61

TELEPHONE HEADSET WITH MIC & PTT
Lightweight headset converts audio into sound vibrations and transmits into the inner ear. Push-to-talk button activates mic.

MODEL  MSRP
RMN5114  $79

EARBUD WITH IN-LINE MIC & PTT
Lightweight ear loop fits over either ear. In-line Push-to-talk (PTT) activates microphone.

MODEL  MSRP
53866  $61

TEMPEL HEADSET WITH MIC & PTT
Lightweight headset converts audio into sound vibrations and transmits into the inner ear. Push-to-talk button activates mic.

MODEL  MSRP
RMN5114  $79

EARDLOOP WITH IN-LINE MIC
Lightweight Earloop fits over either ear. In-line Push-to-talk (PTT) activates microphone.

MODEL  MSRP
53865  $61

HEADSET WITH SWIVEL BOOM MIC
Speaker can be worn on either ear, plastic band goes on top of head. Rugged and durable. Ideal for CLS1450cB. Order 53865 for clam package.

MODEL  MSRP
53865  $76

HEADSET WITH SWIVEL BOOM MIC
Speaker can be worn on either ear, plastic band goes on top of head. Rugged and durable. Ideal for CLS1450cB. Order 53865 for clam package.

MODEL  MSRP
53865  $76

EARDLOOP WITH BOOM MIC
Lightweight Earloop fits over either ear. Small boom mic provides clear audio. Use walkie PTT to activate mic. Ideal for CLS1450cB.

MODEL  MSRP
56518  $35

DOUBLE MUFF HEADSET WITH NOISE CANCELLING BOOM MIC

MODEL  MSRP
ETMAX  $159

DURABLE REMOTE SPEAKER MIC
Talk and listen without lifting two-way radio. Clips on shirt or collar. Order 53862 for clam packaged version.

MODEL  MSRP
HMN9026  $63

DOUBLE MUFF HEADSET WITH MIC FOR HARDHAT WEARERS

MODEL  MSRP
XTREME  $159

HIGH PERFORMANCE SPEAKER MIC
Talk and listen without lifting two-way radio. Clips on shirt or collar.

MODEL  MSRP
PMNN4013A  $73.50

SINGLE MUFF HEADSET WITH NOISE CANCELLING BOOM MIC
Covers right ear to seal out ambient noise.

MODEL  MSRP
ET ULTRA  $125

www.acsspirit.com

Full Line Catalog MSRP
Business Two-Way Radios and Accessories

LINK WORKERS TOGETHER TO CREATE HIGHLY EFFECTIVE TEAMS

- Save Time
- Increase Productivity
- Reduce Labor Cost
- Train New Hires
- Simple to Use
- No Monthly Bills