



**MOTOROLA**

*Business Walkie-Talkies and Accessories*

**USER GUIDE**

**MAY 2008**

# THE TOOLS

## THAT TRANSFORM INDIVIDUAL WORKERS INTO HIGHLY EFFECTIVE TEAMS

When you buy XTN or New RDX Series models between April 1 and July 31, 2008 you are eligible to receive generous CASH REBATES.

***\$15 REBATE PER UNIT***  
*when you buy XTN Series models*

***\$20 OR \$30 REBATE PER UNIT***  
*when you buy RDX Series models*

***\$40 OR \$60 REBATE PER UNIT***  
*when you buy RDX Series models and trade-in your old walkie-talkies*



MODEL PURCHASED	CASH REBATE PER UNIT	TRADE-IN REBATE PER UNIT	POSSIBLE REBATE PER UNIT
XU1100, XU2100, XU2600, XV1100, XV2100, XV2600	\$15	N/A	\$15
RDU2020, RDU2080d, RDV2020, RDV2080d	\$20	\$20	\$40
RDU4100, RDU4160d, RDV5100	\$30	\$30	\$60

This is a mail-in offer; Minimum purchase 6 units from the same product family; Limit 36 radios per business location; Details at [www.motorolasavings.com](http://www.motorolasavings.com)

### TALK TO ANY OR ALL WORKERS INSTANTLY

- Increase productivity
- Improve customer service
- Reduce labor costs
- Increase safety & security
- No monthly fees

# LINK EVERY WORKER TOGETHER

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- 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



## 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*



## 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*



## GROCERY

Super Markets, Convenience, Gas Stations, Specialty Foods

- Improve customer service
- Reduce shrink
- Quickly get stock & price checks
- Eliminate paging
- Increase sales
- Answer customer questions quickly
- Instantly deploy workers where needed
- Accelerate training of new hires

*For Managers, Cashiers, Sales, Stock, Loss Prevention, Clean Team*



## RETAIL

Apparel, Hardware, Pharmacy, Nursery, Liquor, Gas Stations, Car Dealers

- Improve customer service
- Reduce shrink
- Quickly get stock & price checks
- Eliminate paging
- Increase sales
- Answer customer questions quickly
- Instantly deploy workers where needed
- Accelerate training of new hires

*For Managers, Cashiers, Sales, Stock, Loss Prevention*

# BETTER THAN

- **Paging** - Communicates only one-way, can be loud and annoying, often ignored, responses delayed.
- **Phone Systems** - Permit talking to only one worker at a time; workers required to go to a phone; calls often missed, ignored or sent to voice mail; responses delayed.
- **Cordless Phones** - Communicate with only one worker at a time, calls often missed or sent to voice mail, coverage can be inconsistent; not durable for everyday business use.
- **Nextel™ & Cell Phones** - Significant monthly airtime cost, hundreds of dollars per worker annually; poor in-building coverage; communication with more than one worker at a time costs extra.
- **Recreational Walkie-Talkies** - Not intended nor durable for everyday business use; widely used by children and families which may disrupt business communication.



## CONTRACTORS

Construction, Electrical, Interconnects, Mechanical, Installers, Comm Data

- Supervise subs, crews, operators
- Manage deliveries & materials
- Respond quickly to emergencies
- Coordinate wire pulling & installations
- Increase safety & security for workers
- Critical for disaster preparedness

*For GCs, Subs, Operators, Installers*



## SCHOOLS

K-8, High, College, Athletics, Dormitory, Day Care

- Instantly talk to teachers & staff
- Respond quickly to emergencies
- Monitor crosswalks, playgrounds, facilities, dorms, parking lots, bus loading
- Increase safety & security for students, teachers, staff
- Coordinate events, athletics, field trips

*For Administrators, Teachers, Maintenance, Security, Nurses, Trainers, Coaches, Cafeteria, Hall Monitors, Engineering, Grounds Crew*



## 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*



## 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*

# WALKIE-TALKIE BASICS • RANGE & COVERAGE • RETURN ON INVESTMENT

## WALKIE-TALKIE 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 workgroups. **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 walkie-talkies can be used together?** There is no limit.

**How rugged are Motorola walkie-talkies?** Motorola walkie-talkies 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 walkie-talkies 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 walkie-talkie* 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 Walkie-Talkies are covered by a 1-year replacement warranty against defects in material and workmanship from the original date of purchase.

## RANGE & COVERAGE

### 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		
	Industrial Buildings	Multi-Level Buildings
UHF 1 Watt	Up to 200,000 sq. ft.	Up to 10 Floors
UHF 2 Watt	Up to 250,000 sq. ft.	Up to 20 Floors
UHF 4 Watt	Up to 300,000 sq. ft.	Up to 30 Floors
DTR Digital	Up to 350,000 sq. ft.	Up to 30 Floors
VHF 1 Watt	Up to 150,000 sq. ft.	Up to 8 Floors
VHF 2 Watt	Up to 180,000 sq. ft.	Up to 10 Floors
VHF 5 Watt	Up to 250,000 sq. ft.	Up to 15 Floors

## RETURN ON INVESTMENT

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

*Hourly rate*

*Each radio pays for itself in...*

*Annual savings for 10 workers*

**\$8 per hour**

**59 days**

**\$14,000**

**\$12 per hour**

**40 days**

**\$21,000**

**\$24 per hour**

**20 days**

**\$42,000**

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### CLS SERIES BUSINESS WALKIE-TALKIE

Compact and ultra light weight 4.5 oz. makes this unit highly desirable in retail stores as well as health care facilities and many businesses.

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### NEW RDX SERIES BUSINESS WALKIE-TALKIE

Extremely rugged and compact, making these models great for contractors, manufacturing, warehouse, etc. Low and high power models, to cover large industrial buildings. Model available with repeater capability.

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### XTN SERIES BUSINESS WALKIE-TALKIE

Rugged for everyday business users such as contractors, manufacturing, warehouse, nurseries and more.

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### AX SERIES BUSINESS WALKIE-TALKIE

Powerful to cover most large industrial and commercial buildings.

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### DTR410 DIGITAL BUSINESS WALKIE-TALKIE

The first all digital walkie-talkie delivers outstanding voice quality with extraordinary range and coverage in large steel or concrete buildings.

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### INDUSTRIAL CORDLESS PHONE WITH BUILT-IN WALKIE-TALKIE

Designed for use with multi-line phone systems to access any line, transfer calls, etc. Instantly talk to all workers. Phone and walkie-talkie all in one handset.

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### WIRELESS MESSAGE ALERT UNITS

Place around your facility to send customized messages to all walkie-talkie equipped workers.

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### ACCESSORIES FOR BUSINESS WALKIE-TALKIES

Extra batteries, 6-unit chargers, headsets and speaker mics, leather holsters, belt clips, etc.

# CLS Series Compact & Lightweight

# UHF 1 Watt

## CLS1110, CLS1410

- 1 Watt transmit power
- 1 and 4 Channel models
- 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 #56531 6-unit charger)
- Call Alert button with 3 selectable tones
- VibraCall® - Alerts the user with vibration instead of sound (CLS1410)



Dimensions: 4.1"H x 2.1"W x 1.1"D , Weight w/battery 5 oz., Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
UHF 1 Watt	Up to 200,000 sq. ft.	Up to 10 Floors

### 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 12

Model No.	Band	Transmit Power	No. of Channels	Built-in Frequencies	Special Features	MSRP
CLS1110	UHF	1 Watt	1	56	---	\$169
CLS1410	UHF	1 Watt	Up to 4	56	Scan, VOX, VibraCall®	\$189

# RDX Series Compact, Extremely Rugged & Durable

# UHF 2 WATT

## 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
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**



# NEW!



Dimensions: 4.5"H x 2.2"W x 1.6"D, Weight w/Battery 8.6 oz. Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
UHF 2 Watt	Up to 250,000 sq. ft.	Up to 20 Floors

### 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 12

Model No.	Band	Transmit Power	No. of Channels	Built-in Frequencies	Special Features	MSRP
RDU2020	UHF	2 Watt	2	89	---	\$245
RDU2080d	UHF	2 Watt	8	89	LCD with channel alias	\$290

# RDX Series High Power, Extremely Rugged & Durable

# UHF 4 WATT

## 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% loader than other models
- Speaker has low magnetic field to greatly reduce attraction of metal shavings
- Free Custom Programming Software option
- **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
- 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 12

Model No.	Band	Transmit Power	No. of Channels	Special Features	MSRP
RDU4100	UHF	4 Watt	10	Dealer programmable to hundreds of frequencies	<b>\$360</b>
RDU4160d	UHF	4 Watt	16	Dealer programmable to hundreds of frequencies	<b>\$380</b>

**NEW!**

**UP TO \$60  
CASH REBATE  
PER UNIT**

See front for details



Dimensions: 4.5"H x 2.2"W x 1.8"D, Weight w/Battery 10.3 oz, Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
<b>UHF 4 Watt</b>	Up to 300,000 sq. ft.	Up to 30 Floors

# RDX Series Compact, Extremely Rugged & Durable

# VHF 2 WATT

## 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% loader than other models
- Speaker has low magnetic field to greatly reduce attraction of metal shavings
- Free Custom Programming Software option
- **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 12

Model No.	Band	Transmit Power	No. of Channels	Built-in Frequencies	Special Features	MSRP
RDV2020	VHF	2 Watt	2	27	---	<b>\$225</b>
RDV2080d	VHF	2 Watt	8	27	LCD with channel alias	<b>\$265</b>

**NEW!**

**UP TO \$40  
CASH REBATE  
PER UNIT**

See front for details



Dimensions: 4.5"H x 2.2"W x 1.6"D Weight w/Battery 8.6 oz, Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
<b>VHF 2 Watt</b>	Up to 180,000 sq. ft.	Up to 10 Floors

# RDX Series Hi Power, Extremely Rugged & Durable

## VHF 5 WATT

### 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
- Free Custom Programming Software option
- **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

# NEW!

**UP TO \$60  
CASH REBATE  
PER UNIT**

See front for details



Dimensions: 4.5"H x 2.2"W x 1.8"D, Weight w/Battery 10.3 oz, Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
UHF 1 Watt	Up to 250,000 sq. ft.	Up to 15 Floors

#### ACCESSORIES ON PAGE 12

Model No.	Band	Transmit Power	No. of Channels	Special Features	MSRP
RDV5100	VHF	5 Watt	10	Dealer programmable to hundreds of frequencies	\$325

# XTN Series Rugged & Durable

## UHF 1 & 2 WATT

### XU1100, XU2100, XU2600

- 1 and 2 Watt models
- 1 and 6 Channel models
- 56 Built-in user changeable UHF frequencies
- 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
- Alkaline battery compatible for backup power (4 AA batteries)
- Cloning capable - Quickly copy settings from unit to unit (requires # 53879 six-unit charger)
- Voice Scramble for added security and privacy (XU2100/XU2600)
- Channel scan (XU2600)
- iVOX - Voice activated transmit without using audio accessories (XU2600)
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

#### INCLUDED

- NiMH Battery, 1500 mAh, up to 15 hrs XU1100, or 13 hrs XU2100/XU2600 (AA Capable emergency power)
- 10 Hour desktop charger
- Plastic swivel holster with quick release belt clip

**UP TO \$15  
CASH REBATE  
PER UNIT**

See front for details



Dimensions: 5.1"H x 2.5"W x 1.38"D, Weight w/battery 9.9 oz., Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
UHF 1 Watt	Up to 200,000 sq. ft.	Up to 10 Floors
UHF 2 Watt	Up to 250,000 sq. ft.	Up to 20 Floors

#### ACCESSORIES ON PAGE 13

Model No.	Band	Transmit Power	No. of Channels	Built-in Frequencies	Special Features	MSRP
XU1100	UHF	1 Watt	1	56	---	\$245
XU2100	UHF	2 Watt	1	56	Voice Scramble	\$255
XU2100Y	UHF	2 Watt	1	56	Voice Scramble, Yellow Face Plate	\$255
XU2600	UHF	2 Watt	Up to 6	56	Voice Scramble, iVOX, Scan	\$279

# XTN Series Rugged & Durable

# VHF 1 & 2 WATT

## XV1100, XV2100, XV2600

- 1 and 2 Watt models
- 1 and 6 Channel models
- 27 Built-in user changeable VHF frequencies
- 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
- Alkaline battery compatible for backup power (4 AA batteries)
- Cloning capable - Quickly copy settings from unit to unit (requires #53879 six-unit charger)
- Voice Scramble for added security and privacy (XV2100/XV2600)
- Channel scan (XV2600)
- iVOX - Voice activated transmit without using audio accessories (XV2600)
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**



Dimensions: 5.1"H x 2.5"W x 1.38" D, Weight w/battery 9.9 oz., Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
VHF 1 Watt	Up to 150,000 sq. ft.	Up to 8 Floors
VHF 2 Watt	Up to 180,000 sq. ft.	Up to 10 Floors

### INCLUDED

- NiMH Battery, 1500 mAh, up to 15 hrs XV1100, or 13 hrs XV2100/XV2600 (AA Capable emergency power)
- 10 Hour desktop charger
- Plastic swivel holster with quick release belt clip

### ACCESSORIES ON PAGE 13

Model No.	Band	Transmit Power	No. of Channels	Built-in Frequencies	Special Features	MSRP
XV1100	VHF	1 Watt	1	27	---	\$199
XV1100Y	VHF	1 Watt	1	27	Yellow Face Plate	\$199
XV2100	VHF	2 Watt	1	27	Voice Scramble	\$235
XV2600	VHF	2 Watt	Up to 6	27	Voice Scramble, iVOX, Scan	\$255

# AX Series High Power, Rugged & Durable

# VHF 5 WATT

## AXV5100

- Selectable 2 Watt or 5 Watt transmit power
- 10 Channels
- Factory programmed on default frequencies and codes, or dealer programmable from 136-174 MHz.
- 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
- Programmable buttons (4): Hi/Low power, Scan on/off, Backlight on/off, Channel alias, Keypad lock, Prime channel
- **Compatible with repeaters and base stations**
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

### AXV5100 Factory Default Frequencies & Codes

- Ch 1: Freq 1 - 151.625, Code 1 - 67.0
- Ch 2: Freq 1 - 151.625, Code 4 - 77.0
- Ch 3: Freq 1 - 151.625, Code 8 - 88.5
- Ch 4: Freq 1 - 151.625, Code 29 - 179.9
- Ch 5: Freq 1 - 151.625, Code 0 - none
- Ch 6: Freq 2 - 151.955, Code 1 - 67.0
- Ch 7: Freq 2 - 151.955, Code 6 - 82.5
- Ch 8: Freq 2 - 151.955, Code 10 - 94.8
- Ch 9: Freq 2 - 151.955, Code 29 - 179.9
- Ch 10: Freq 2 - 151.955, Code 0 - none



Dimensions: 4.5"H x 2.2"W x 1.81"D, Weight w/battery 11.5 oz., Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
VHF 5 Watt	Up to 250,000 sq. ft.	Up to 15 Floors

### INCLUDED

- NiMH battery, 1300 mAh, up to 9 hrs
- 10 Hour desktop charger
- Heavy duty spring action belt clip

### ACCESSORIES ON PAGE 13

Model No.	Band	Transmit Power	No. of Channels	Special Features	MSRP
AXV5100	VHF	5 Watt	10	Dealer Programmable to hundreds of frequencies and codes	\$310



# AX Series High Power, Rugged & Durable

# UHF 4 WATT

## AXU4100

- Selectable 2 Watt or 4 Watt transmit power
- 10 Channels
- Factory programmed on default frequencies and codes, or dealer programmable from 435-480 MHz.
- 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
- Programmable buttons (4): Hi/Low power, Scan on/off, Backlight on/off, Channel alias, Keypad lock, Prime channel
- **Compatible with repeaters and base stations**
- **Meets Military Standards for high resistance to dust, moisture, shock, vibration**

### INCLUDED

- NiMH Battery, 1300 mAh, up to 9 hrs
- 10 Hour desktop charger
- Heavy duty spring action belt clip

### ACCESSORIES ON PAGE 13

Model No.	Band	Transmit Power	No. of Channels	Special Features	MSRP
AXU4100	UHF	4 Watt	10	Dealer Programmable to hundreds of frequencies and codes	\$325

### AXU4100 Factory Default Frequencies & Codes

- Ch 1: Freq 1 - 464.500, Code 1 - 67.0
- Ch 2: Freq 1 - 464.500, Code 4 - 77.0
- Ch 3: Freq 1 - 464.500, Code 8 - 88.5
- Ch 4: Freq 1 - 464.500, Code 29 - 179.9
- Ch 5: Freq 1 - 464.500, Code 0 - none
- Ch 6: Freq 2 - 464.550, Code 1 - 67.0
- Ch 7: Freq 2 - 464.550, Code 6 - 82.5
- Ch 8: Freq 2 - 464.550, Code 10 - 94.8
- Ch 9: Freq 2 - 464.550, Code 29 - 179.9
- Ch 10: Freq 2 - 464.550, Code 0 - none



Dimensions: 4.5"H x 2.2"W x 1.81"D, Weight w/battery 11.5 oz., Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
UHF 4 Watt	Up to 300,000 sq. ft.	Up to 30 Floors

# DTR410 Super High Performance Communication

**\*\*Not compatible with CLS, RDX, XTN, or AX models**

## DIGITAL One-to-One PRIVATE Talk

Talk Privately with specific DTR410 users

## DIGITAL One-to-Many GROUP Talk

Call all DTR410 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 100 individual or group contacts
- 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 13-14

Model No.	Band	Transmit Power*	Public Groups	Special Features	MSRP
DTR410	900 MHz.	1 Watt	Up to 5	Private one-to-one calling	\$335



Dimensions: 5.2"H x 2.3"W x 1.4"D, Weight w/battery 7.3 oz., Color: Black

Range and Coverage	Steel/Concrete Buildings	Multi-Level Buildings
DTR	Up to 350,000 sq. ft.	Up to 30 Floors

# Industrial Cordless Phone with Built-in Walkie-Talkie

## Cordless Phone

- Answer and make phone calls around the work place
- 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

**Works with any business phone system through an analog extension port**

## Walkie-Talkie

- 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 walkie-talkies 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)

## Range and Coverage

will vary based on terrain and conditions

<b>CLS1450cB Walkie-Talkie</b>	Steel/Concrete Buildings	Multi-Level Buildings
	Up to 200,000 sq. ft.	Up to 10 Floors
<b>CLS1450cB Cordless Phone</b>	Up to 100,000 sq ft around phone base. For best phone range, place phone base as high as possible in the primary area where user wants coverage.	



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

## ACCESSORIES ON PAGE 12

Model No.	Band	Transmit Power	No. of Channels	Built-in Frequencies	Special Features	MSRP
CLS1450cB	UHF	1 Watt	4	56	Built-in Cordless Phone	\$349

## CLS1450cB Frequently Asked Questions

### Q: What exactly is the CLS1450cB?

**A:** It is a 1-watt UHF business walkie-talkie with built in digital cordless phone. The UHF walkie-talkie portion can talk to any other UHF walkie-talkies 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, pickup specific lines, pickup 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 walkie-talkie & cordless phone functions?

**A:** The FCC has specific frequencies for business walkie-talkie 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 walkie-talkie. 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 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.

# 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 walkie-talkie 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 walkie-talkie 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 Walkie-Talkies

The Wireless Message Alert uses business UHF / VHF frequencies and is compatible with most Motorola and other business Walkie-Talkies. It is low cost, completely wireless and battery powered.

*"Assistance needed at the Loading Dock"*



## Indoor Wireless Message Alert

- 8 second recordable voice message capability
- Requires 3 C batteries (not included)
- Transmit LED and message playback to alert users 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 150,000 square feet
- Size: 6"(H) x 4.6"(W) x 2.3"(D)

<u>Model</u>	<u>Description</u>	<u>MSRP</u>
MOC4600i	UHF (56 Frequencies)	\$340



## Outdoor Wireless Message Alert

- 8 second recordable voice message capability
- Covers up to 100,000 square feet
- Requires 6 AA batteries (not included)
- Also can connect to an external sensor with contact closure such as infrared beams, motion, weight, push button, bell, or other switches
- Size: 6.5"(H) x 5.5(W) x 4.3 (D)

<u>Model</u>	<u>Description</u>	<u>MSRP</u>
RQT-150-PB	VHF, 150-165 MHz.	\$369
RQT-450-PB	UHF, 450-470 MHz.	\$369



## CLS ACCESSORIES FOR CLS1110, CLS1410, CLS1450cB, VL50



### 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

MODEL	MSRP
<b>56557</b>	<b>\$35</b>



### 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.

MODEL	MSRP
<b>56531</b>	<b>\$196</b>



### CLS 3 HOUR DESKTOP CHARGER

Drop-in charger for walkie-talkie or battery. Includes AC adapter.

MODEL	MSRP
<b>56553</b>	<b>\$65</b>



### CLS LEATHER CASE WITH STRAP

Adjustable strap for wearing around waist, ideal for non-pant and non-belt users. Case protects walkie-talkie.

MODEL	MSRP	For:
<b>56519</b>	<b>\$30</b>	CLS1110,1410
<b>MR7100-SFSD</b>	<b>\$35</b>	CLS1450cB



### CLS1110/1410 PLASTIC HOLSTER

Replacement plastic swivel holster with belt clip comes standard with CLS Series walkie-talkies.

MODEL	MSRP
<b>HCLN4013A</b>	<b>\$15</b>



### CLS1450 PLASTIC HOLSTER

Replacement plastic swivel holster with belt clip for CLS1450c.

MODEL	MSRP
<b>HCLN4019</b>	<b>\$15</b>

## RDX ACCESSORIES FOR RDU, RDV, CP110



### RDX STANDARD CAPACITY Li-ION BATTERY

Standard for 2 watt models, 1100 mAh, up to 12 hrs.

MODEL	MSRP
<b>RLN6351</b>	<b>\$80</b>

### RDX HI CAPACITY Li-ION BATTERY

2200 mAh, up to 24 hrs for 2 watt models, 17 hrs for 4/5 watt models.

MODEL	MSRP
<b>RLN6305</b>	<b>\$99</b>

### RDX ULTRA CAPACITY Li-ION BATTERY

Standard for 4/5 watt models, 2400 mAh, up to 18 hrs. 26 hrs for 2 watt models.

MODEL	MSRP
<b>RLN6308</b>	<b>\$110</b>

### RDX ALKALINE BATTERY FRAME

Allows use of AA batteries for emergency power, up to 26 hrs.

MODEL	MSRP
<b>RLN6306</b>	<b>\$40</b>



### 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.

MODEL	MSRP
<b>RLN6309</b>	<b>\$275</b>



### RDX RAPID CHARGER

Charges standard 1100 mAh battery in 1.5 hours, Ultra Hi Capacity (2400 mAh) battery in 3.5 hours.

MODEL	MSRP
<b>RLN6304</b>	<b>\$65</b>



### RDX LEATHER SWIVEL HOLSTER

Heavy duty leather holster protects walkie-talkie. The swivel makes kneeling/bending more comfortable, and quickly releases from the stainless steel belt clip.

MODEL	MSRP
<b>MR8461-2AP</b>	<b>\$35</b>



### RDX HEAVY DUTY BELT CLIP

Belt clip fits belts up to 2.5 inches wide.

MODEL	MSRP
<b>RLN6307</b>	<b>\$15</b>



### RDX CLONING CABLE

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

MODEL	MSRP
<b>RLN6303</b>	<b>\$20</b>



### RDX USB CABLE FOR CPS CUSTOM PROGRAMMING SOFTWARE

Connects between Windows XP/2000 computers. Easily program and manage all radio settings. Free CPS software at [www.motorola.com/rdx](http://www.motorola.com/rdx)

MODEL	MSRP
<b>RKN4155</b>	<b>\$50</b>

## 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



MODEL	MSRP
<b>NTN8971BR</b>	<b>\$36</b>

### XTN 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.



MODEL	MSRP
<b>53879</b>	<b>\$274</b>

### XTN 10 HOUR CHARGER

Drop-in desktop charger for walkie-talkie or battery. Also requires NNTN4077 AC adapter originally included with walkie-talkie.



MODEL	MSRP
<b>53872</b>	<b>\$28</b>

### XTN 2 HOUR RAPID CHARGER

Drop-in rapid desktop charger for walkie-talkie or battery. Includes AC adapter.



MODEL	MSRP
<b>53875</b>	<b>\$70</b>

### XTN 10 HOUR PLUG-IN CHARGER

Replacement AC adapter originally included with the walkie-talkie.



MODEL	MSRP
<b>NNTN4077</b>	<b>\$13</b>

### XTN LEATHER SWIVEL HOLSTER

Heavy duty leather holster protects walkie-talkie. Swivel makes kneeling/bending more comfortable and the quick release disconnects from the stainless steel belt clip quickly.



MODEL	MSRP
<b>MR7000-20S</b>	<b>\$35</b>

### XTN PLASTIC HOLSTER

Replacement plastic swivel holster that comes standard with XU/XV walkie-talkies.



MODEL	MSRP
<b>53821</b>	<b>\$15</b>

## 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



MODEL	MSRP
<b>PMNN4063AR</b>	<b>\$45</b>

### AX 2 HOUR RAPID CHARGER

Drop-in rapid desktop charger for walkie-talkie or battery. Includes AC adapter.



MODEL	MSRP
<b>PMTN4087A</b>	<b>\$55</b>

### AX HEAVY DUTY BELT CLIP

Replacement 3" heavy duty spring action belt clip fits belts up to 2.5 inches wide.



MODEL	MSRP
<b>HLN9714</b>	<b>\$15</b>

### AX LEATHER HOLSTER

Heavy duty leather holster protects walkie-talkie. The swivel makes kneeling/bending more comfortable, quick release disconnects from the stainless steel belt clip quickly.



MODEL	MSRP
<b>MR8280-20S</b>	<b>\$35</b>

## DTR ACCESSORIES FOR DTR410

More DTR items on next page

### DTR STANDARD LI-ION BATTERY

Standard with DTR radio, up to 14.5 hours. Replace every 12 months for best performance. 1200 mAh, 3.8v



MODEL	MSRP
<b>53963</b>	<b>\$45</b>

### DTR HI CAPACITY LI-ION BATTERY

Up to 19 hours based on average use. Replace every 12 months for best performance. 1500 mAh, 3.8v



MODEL	MSRP
<b>53964</b>	<b>\$69</b>

## DTR ACCESSORIES FOR DTR410

Batteries are on bottom of page 13



### DTR410 6 UNIT CHARGER

Charge 6 radios or batteries from a single outlet. Uses 75% less electricity than 6 individual charger's. Provides central location for all radios. Wall mountable.

MODEL	MSRP
<b>53960</b>	<b>\$199</b>



### DTR410 LEATHER HOLSTER

Heavy duty leather swivel holster protects walkie-talkie. The swivel makes kneeling/bending more comfortable and the quick release disconnects from the stainless steel belt clip quickly.

MODEL	MSRP
<b>MR8400-2BS</b>	<b>\$35</b>



### DTR410 PLASTIC HOLSTER

Replacement plastic swivel holster that comes standard with DTR Series walkie-talkies.

MODEL	MSRP
<b>53961</b>	<b>\$15</b>



### DTR410 MINI PROGRAMMING KEYBOARD

Access optional features, update contacts and enter commands into the radio.

MODEL	MSRP
<b>53967</b>	<b>\$40</b>



### DTR410 CLONING CABLE

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

MODEL	MSRP
<b>53968</b>	<b>\$30</b>



### 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](http://www.motorola.com/dtr)

MODEL	MSRP
<b>0105950U15</b>	<b>\$40</b>

## REPLACEMENT BATTERIES FOR OTHER MOTOROLA MODELS



### NiCD RECHARGEABLE BATTERY

Replace every 12 months for best performance. 1200 mAh, 7.5v  
For: • HT1000 • MT2000 • MTX800

MODEL	MSRP
<b>NTN7143CR</b>	<b>\$74</b>



### NiCD RECHARGEABLE BATTERY

Replace every 12 months for best performance. 1100 mAh, 7.5v  
For: • CP200 • CP150

MODEL	MSRP
<b>NNTN4496AR</b>	<b>\$60</b>



### NiMH RECHARGEABLE BATTERY

Provides up to 8 hours of service. Replace every 12 months for best performance. 950 mAh, 7.5v  
For: • HP Series • Radius SP50+

MODEL	MSRP
<b>NH9044</b>	<b>\$45</b>



### NiCD RECHARGEABLE BATTERY

Replace every 12 months for best performance. 950 mAh, 7.5v  
For: • Spirit M-Series • SP21 (HNN9056 & 53877)

MODEL	MSRP
<b>HNN9044AR</b>	<b>\$38</b>



### NiCD RECHARGEABLE BATTERY

Replace every 12 months for best performance. 1200 mAh, 7.5v  
For: • Radius SP50 (Tall Version only)

MODEL	MSRP
<b>HNN9018AR</b>	<b>\$45</b>



### NiCD RECHARGEABLE BATTERY

Replace every 12 months for best performance. 1100 mAh, 7.5v  
For: • Radius P110

MODEL	MSRP
<b>HNN8148</b>	<b>\$85</b>



### NiCD RECHARGEABLE BATTERY

Replace every 12 months for best performance. 1500 mAh, 7.5v  
For: • HT750 • HT1250

MODEL	MSRP
<b>HNN9008AR</b>	<b>\$64</b>



### HEAVY DUTY BELT CLIP

Replacement 3.5" spring action belt clip fits belts up to 2.5 inches wide. (53868)  
For: • HP Series • Spirit M-Series  
• Radius SP10, SP21, SP50

MODEL	MSRP
<b>HLN9775</b>	<b>\$12</b>

# HEADSETS & AUDIO ACCESSORIES

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



**EARLOOP WITH IN-LINE MIC & PTT**  
Lightweight Earloop fits over either ear. In-line Push-to-talk (PTT) activates microphone. Not recommended for CLS1450cB.

MODEL	MSRP
<b>56517</b>	<b>\$35</b>



**EARTIP WITH IN-LINE MIC & PTT**  
Eartip, mic & PTT all in one wire. Discreet image, with a small comfortable eartip.

MODEL	MSRP
<b>S9500M</b>	<b>\$70</b>



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

MODEL	MSRP
<b>53815</b>	<b>\$39</b>



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

MODEL	MSRP
<b>V1-10180</b>	<b>\$99</b>



**TEMPLE 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
<b>RMN5114</b>	<b>\$79</b>



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

MODEL	MSRP
<b>53866</b>	<b>\$61</b>



**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
<b>HMN9038</b>	<b>\$76</b>



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

MODEL	MSRP
<b>53863</b>	<b>\$73</b>



**DURABLE REMOTE SPEAKER MIC**  
Talk and listen without lifting walkie-talkie. Clips on shirt or collar. Order 53862 for clam package.

MODEL	MSRP
<b>HMN9026</b>	<b>\$63</b>



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

MODEL	MSRP
<b>ET ULTRA</b>	<b>\$125</b>



**EARLOOP 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
<b>56518</b>	<b>\$35</b>



**DOUBLE MUFF HEADSET WITH NOISE CANCELLING BOOM MIC**  
Covers both ears to seal out ambient noise.

MODEL	MSRP
<b>ETMAX</b>	<b>\$159</b>



**EARLOOP WITH IN-LINE MIC**  
Lightweight Earloop fits over either ear. Use walkie PTT to activate mic. Ideal for CLS1450cB.

MODEL	MSRP
<b>53940</b>	<b>\$35</b>



**DOUBLE MUFF HEADSET WITH MIC FOR HARDHAT WEARERS**  
Talk and listen in noisy areas.

MODEL	MSRP
<b>ETMAXHD</b>	<b>\$149</b>