

# DTR2430™ / DTR2450™

Digital On-Site Two-Way Radios and Accessories



# Do you speak digital?

Introducing the DTR2430™ and DTR2450™ Digital On-Site Two-Way Radios for Small Business—Unique Combinations of Digital Performance and Motorola Value



What would two-way radios have to provide to be perfect for any customer's on-site operation? Perhaps the ability to call specific groups of radios—or even a single unit. Or enhanced in-building coverage\*. Remarkably, you'll have all that productivity-enhancing capability—and more—in the DTR2430 and DTR2450.

Your customers get many other benefits, too, including digital audio quality—which stays loud and clear everywhere you have coverage. And best of all, this pacesetting performance is available without monthly fees or annual contracts, and at a very affordable price.

The digital performance of the DTR2430 and DTR2450 enables users to build bridges that expand the capabilities of individuals and teams, enabling them to get the job done right, fast, and safely. That's powerful productivity!

\*Coverage will vary based on terrain and conditions.  
All comparison claims made against Motorola XTN 446 analogue radio models.

# Making the Most of the Guide



We created this brochure to help you learn about Motorola digital on-site two-way radios: the DTR2430™ and DTR2450™. The brochure has all the product information you need, as well as suggestions on how to market the radios to specific target customers. We recommend you become familiar with the key product points—and the important features and capabilities of these revolutionary products.

## KEY POINTS

The DTR2430 and DTR2450 Digital On-Site Two-Way Radios:

- Use digital technology to provide benefits never before available in on-site two-way radios. Most important is the ability to call individual radios (digital one-to-one calling) and defined groups of radios as well as all DTR Series™ radios within range (digital one-to-many calling).
- Typically provides coverage comparable to or better than analogue radios.
- Provide greater operating time per charge than comparable analogue radios.
- Enable Short Message Service (SMS) text messaging.
- Are easily programmed.
- Meet U.S. Military 810 C,D,E and F specifications and Motorola standards for durability and reliability.
- Are affordably priced and offer exceptional value.
- Are backed by a limited one-year warranty.
- Are supported by a comprehensive assortment of marketing materials to help you promote and present these radios to your customers.

# Markets, Decision Makers and Users

The digital performance of the DTR2430™ and DTR2450™ enables you to build bridges that expand the capabilities of individuals and teams, enabling them to get the job done right, fast, and safely. That means powerful productivity that's perfect for:



## EDUCATION

Maintaining order and enhancing student safety are priorities for any school. DTR Series™ radios keep everyone in touch—from teachers and administrators to crossing guards and maintenance personnel. That enables a quick response to any situation, preventing small problems from escalating into bigger ones.



## RETAIL

Responsive service is essential to sales and customer satisfaction. DTR Series radios make responsiveness easier to provide, whether it's an answer to a customer's question, a price check, a clean-up or an emergency. With clear, constant communication ensured, all employees can make the most of their time.



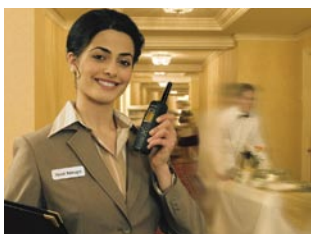
## MANUFACTURING

Success in industry depends on two things...efficiency and responsiveness. Clear communication, often in noisy environments, is essential to avoid downtime—and to enable the fastest response to production problems or injuries. The DTR Series delivers. Its rugged construction stands up to industrial environments and the demands of overtime and multi-shift operations.



## PROPERTY MANAGEMENT

With DTR Series radios, building managers, maintenance technicians, groundskeepers and security personnel can respond fast to tenant needs or emergencies, minimizing costs and enhancing tenant satisfaction.



## HOSPITALITY

Excellent service and customer satisfaction are the keys to loyalty and repeat business. DTR Series radios keep your staff connected, from the front desk and concierge to event planners and maintenance personnel. That means a more productive staff and fast response to guest needs, special events, spills and emergencies.



## CONSTRUCTION

To keep any construction project on track, you need timely coordination from management to foremen, subcontractors, and individual tradespeople. DTR Series radios make it easy, helping keep projects on schedule, avoid errors, meet deadlines and keep costs on budget.

DTR Series™  
Target Market

Decision Makers  
and Influencers

Users

**EDUCATION**

Principal, Assistant Principals, Teachers, Directors, Supervisors, State Educational Officials, Superintendents, Administrators

Administrators, Principals, Teachers, Nurses, Secretaries, Custodians, Maintenance Staff, Security Staff, Crossing Guards, Coaching Staff, Special Events Staff, Playground Supervisors, Cafeteria and Hall Monitors

**MANUFACTURING**

Plant Manager, Plant Director, Managers, Supervisors, Superintendents, Foremen, Operations Managers, Production Managers

Foremen, Engineers, Supervisors, Secretaries, Managers, Crew, Mechanics, Labourers, Technicians, Shipping and Receiving, Assemblers, Stockmen, Maintenance and Janitorial Crews

**HOSPITALITY**

Owners, Managers, Operations, Purchasing, Security Managers, Telecom Managers, Food and Beverage Management, Maintenance/Housekeeping Operations

General Managers, Front Desk Clerks, Cashier, Receptionist, Concierge, Bartenders, Bellhops, Valets, Busboys, Housekeeping Staff, Custodians, Night Supervisors, Security Personnel, Groundskeepers, Pool Attendants, Restaurant Staff

**RETAIL**

Owners, President, General Manager, District Manager, Store Managers, Assistant Store Manager

Owners, Managers, Buyers, Supervisors, Cashiers, Attendants, Salespeople, Floor Clerks, Stock Clerks, Loaders, Security, Customer Service

**PROPERTY MANAGEMENT**

Owners, Managers, Operations, Purchasing Managers, Security Managers, Telecom Managers, Maintenance/Housekeeping Operations

Owners, Developers, Building and Property Managers, Building Supervisors, Consultants, Engineers, Security Guards, Supervisors, Monitoring Personnel, Night Patrolmen, Physical Access Guards, Maintenance Personnel, Groundskeepers, Appraisers, Guest Services

**CONSTRUCTION**

Commercial Building Contractors, Special Trade Contractors, Project Managers, General Contractors, Electricians, HVAC, Engineering, Foremen, Site Managers

Foremen, Supervisors, Managers, Electricians, Installers, Surveyors, Architects, Plumbers, Flagger, Engineers, Laborers, Loaders, Roofers, Painters, HVAC Installers, Security Installers, Landscapers

# The Digital Difference

## Why Motorola Digital On-Site Two-Way Radios Meet Customer's Needs Best

Enhanced coverage, battery life, and audio quality aren't the only advantages of our new digital on-site two-way radios. No license is required to operate our 2400 MHz units. And for enhanced security, we added Frequency Hopping Spread Spectrum (FHSS). Unlike analogue radios, multiple group communications can occur simultaneously on the same channel, privately and securely.

In addition to these overall benefits, you'll be able take advantage of many leading-edge operational features that were never available previously. And you'll soon wonder how you managed without them.

Because the digital technology of the DTR2430™ and DTR2450™ enables each unit to have its own unique 11-digit identification, you get a new level of radio communication versatility with these calling options:

### **DIGITAL ONE-TO-ONE CALLING**

Allows you to call and talk privately with a specific user's radio. A private-call recipient can receive an alert—either an audible or vibrating signal. And the recipient's unit displays the caller's ID.

### **DIGITAL ONE-TO-MANY CALLING**

- Public group call—all other DTR Series™ radios on the same group ID and channel hear communications, similar to analogue radio operation.
- Private group call—enables you to programme DTR Series radios to communicate with specific sets of group members. Caller ID displays group identification.

Individual unit identification also enables:

- Call forwarding to other radio IDs—notify others that you're unavailable and allow them to speak with another contact for assistance.
- Transmit ID—receiving radios will display the radio ID of the transmitting unit and, if listed in the receiving radio's contact list, the transmitting unit's radio name.

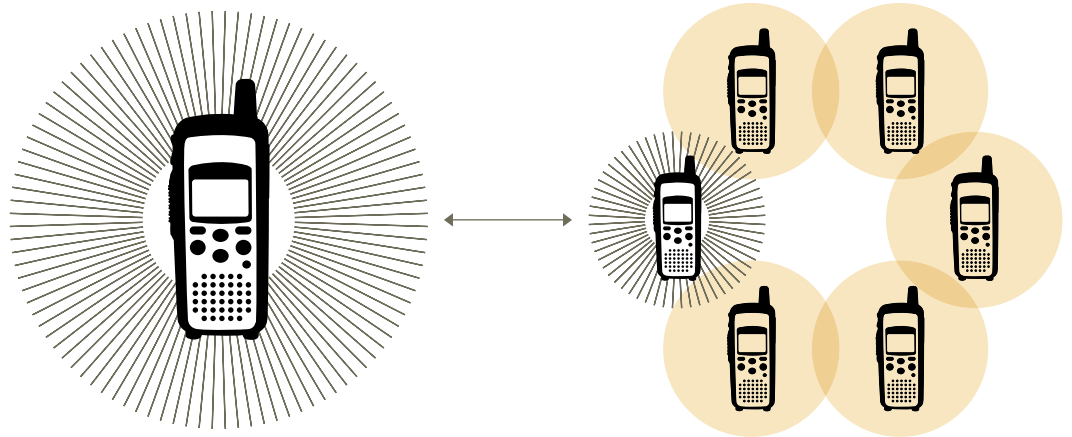
The DTR2430 and DTR2450 also feature:

- Short message service (SMS) text messaging—with ten preset messages for example, "I'll call you back in 5 minutes," and support for keyed-in custom messages to meet more specific needs.
- Scroll list—can display frequently used group and private IDs for easiest access. You can also view a recent-calls list, showing the source and target of the last 10 transmissions with time and date information.

It all adds up to a superb combination of features for your convenience, management, and productivity all at an extraordinary value.

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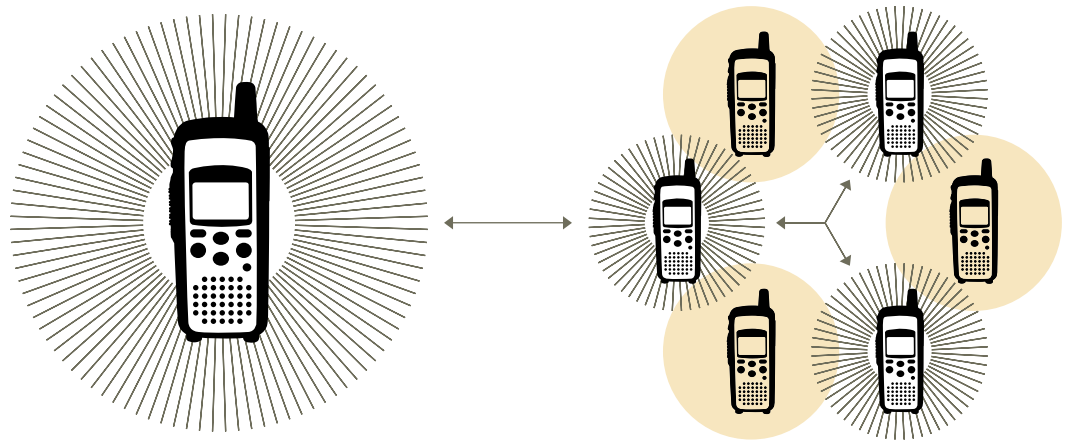
**DIGITAL ONE-TO-ONE CALLING**



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**DIGITAL ONE-TO-MANY CALLING**

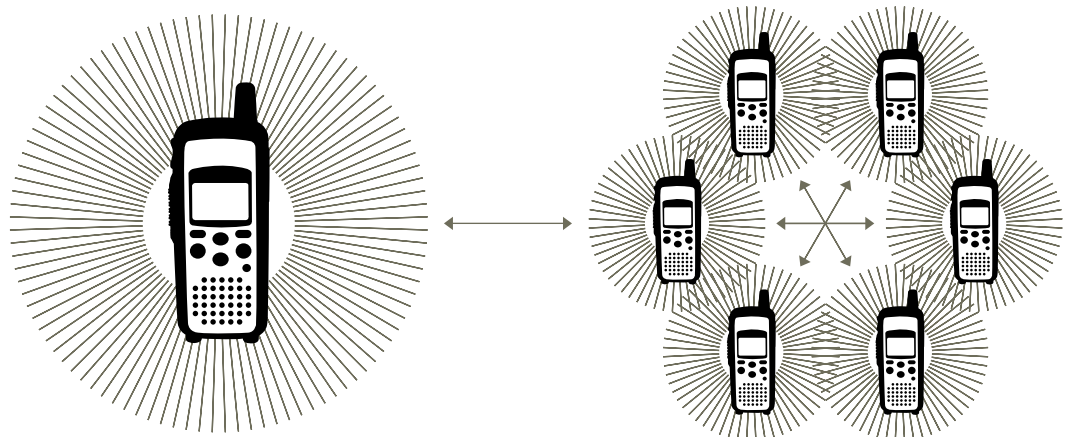
Private Group Call



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**DIGITAL ONE-TO-MANY CALLING**

Public Group Call



# Digital On-Site Two-Way Radio Features

Volume Controls

Removable Antenna

Push-To-Talk (PTT) Button

Audio Jack

Connect audio accessories

Menu Key

Option Keys

Use to select display options

Home Key

Use to exit the current menu and return to the idle screen

Accessory Connector

Use to connect non-audio accessories or for plug-in charging

Navigation Keys

Use to select members in scroll list or scroll through menu settings

Power Button

Press to turn on, hold to turn off

Microphone



Shown 33% larger than actual size.



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**BOTH THE DTR2430™ AND DTR2450™ FEATURE:**

- 2400 MHz ISM license-free band
- Frequency hopping spread spectrum (FHSS)
- Rugged, compact polycarbonate housing with rubber overmold for comfort—13.2cm H x 5.8cm W x 3.6cm D
- Meets military 810 C, D, E, and F specifications for shock, vibration, water, dust and temperature extremes
- 2-pin audio accessory jack with captive connector cover
- Connector programming interface with captive connector cover
- Full-graphic backlit display with contrast adjustment and backlight timer
- Battery gauge
- Electronic on/off control
- Up/down electronic volume control
- Lithium ion battery with included desktop charger
- Swivel carry holster
- Public-group calling
- Private-group calling
- Private-call reception, return, origination, and audio/VibraCall® vibration alert
- Private- and group-call name aliasing (via optional Mini Keyboard)
- Short Message Service (SMS) text messaging reception and origination
- Preprogrammed messages for quick and easy response
- Free-form messages (via optional Mini Keyboard)
- SMS time/date stamping
- Alert reminder tone
- Caller ID
- Recent call list—last 10 transmissions
- Call forwarding
- 150-unit contact list
- Remote-disable and remote-monitor receipt
- Over-the-air time/date update receipt

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**ADDITIONAL DTR2450 FEATURES**

The DTR2450 incorporates enhanced features and functionality, providing the ability to monitor, manage and programme a group's DTR2430 radios. Its added features include:

- High-capacity battery for up to 19 hours of operation per charge (up to 14.5 hours for DTR2430)
- One-hour charger (three-hour charger for DTR2430)
- Up to 50 public groups (up to 20 for DTR2430)
- Up to 20 private groups (10 for DTR2430)
- Capability for up to 25 preprogrammed messages (15 available and 10 preprogrammed on DTR2430; 25 available and 10 preprogrammed on DTR2450)
- Remote monitor
- Remote Disable / Enable of another radio
- Over-the-air time and date update origination

## Excellence in Design; Exceptional Durability

Rugged and reliable, the DTR2430 and DTR2450 digital on-site radios undergo rigorous testing in the design process using U.S. Military 810 C,D,E and F Standards—so you can rest assured they will hold up under demanding conditions. These tests are designed to simulate the very harshest environments, including:

### Blowing Rain

Steady rainfall and wind for 30 minutes on every surface

### Salt Fog

48 hours of exposure

### Blowing Dust

Six hours of blowing dust on all surfaces

### Vibration

Up to nine hours of exposure to vibration that simulates the rigors that a radio could undergo while being carried or transported

### Shock

18 shocks with a minimum G force of 40 G each

### Temperature Storage

Multiple hours of exposure to storage temperatures as low as -55°C and as high as 71°C



# DTR2430™/DTR2450™ Accessories

Create a customised communication solution for your customers' specific needs with DTR Series™ radios and Motorola Original® Accessories.



## Standard Package Includes:

- One DTR Series™ Digital On-Site Two-Way Radio
- Swivel Belt Holster
- Charger
- Drop-in Charging Tray
- Lithium Ion Battery
- Quick Reference Guide
- User's Guide CD-Rom
- UK/EU adapters

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## AUDIO ACCESSORIES



### Lightweight Headset with Boom Microphone

Ideal for fast-paced work environments. Enables discreet operation.



### Earbud with Clip Microphone and Push-to-Talk (PTT)

For convenience and uninterrupted productivity. Push-to-talk button activates microphone when you're ready to speak.



### Remote Speaker Microphone

Convenient way to speak and listen without having to reach for your Motorola two-way radio. Clips on shirt or collar.



### Headset with Swivel Boom Microphone

Ideal for noisy work areas or to avoid disturbing those around you. Convenient way to speak and listen without having to remove radio from its holster.

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## HOLSTERS & CARRY CASES



### DTR Series™ Holster

Replacement for the durable holster that comes standard with each DTR Series radio purchased.

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## CONNECTIVITY



### Mini Keyboard

Access options, update contacts and enter commands on your radio keyboard. Also enables quick and easy text messaging. *(Radio not included)*



### Cloning Cable

Provides time-saving cloning capability of all configurations and user menu settings at the touch of a button.

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## BATTERIES & CHARGERS



### High Capacity Lithium Ion Battery

High capacity rechargeable battery provides up to 23 hours of battery life per full charge.



### Standard Capacity Lithium Ion Battery

Have a spare battery ready for when you need it. Rechargeable battery provides up to 14.5 hours of battery life per full charge.



### Vehicle Power Charger

Conveniently plugs into a standard vehicle cigarette lighter port for remote charging.



### Replacement Drop-In Charging Tray

An extra charger gives you even more places to recharge—at home, in the office, or while traveling. Recharge your radio wherever there is an electrical outlet available.



### 1-Hr Rapid Charger

Enables you to fully charge your DTR Series radio in 1 hour.



### 3-Hr Standard Charger

Enables you to fully charge your DTR Series radio in 3 hours.



### Multi-Unit Charger

Allows drop-in charging for up to six radios and/or batteries from a single outlet in three hours. This wall mountable unit also provides a central storage location for radios at the end of a workshift.



## Motorola—A Name You Know and Trust

For more than 75 years, Motorola has been a leader in creating state-of-the-art wireless communications for people like you. The DTR2430™ and DTR2450™ digital on-site two-way radios uphold that superior standard. And each radio (and radio accessory) is backed by a limited one-year warranty. So when you select the DTR2430 or DTR2450 radio, you'll experience the same exceptional quality you've come to expect from all Motorola products.



[www.motorola.com](http://www.motorola.com)

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Features and specifications are subject to change without notice.

RD-DLR/DTRBROCH

