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DTR550™ DIGITAL ON-SITE TWO-WAY RADIO

HELPING THE WORKFORCE STAY CONNECTED

What's the best way to keep employees interconnected and interacting? Event planner or building manager, concierge or crossing guard, continuous communication is critical to the success of work teams. That's why our DTR550™ Digital On-Site Two-Way Radio is the perfect business tool. With enhanced in-building coverage, loud, clear audio and no monthly fees or contracts, it delivers all the benefits of digital at an exceptional value.

Now the workforce can connect instantly and respond quickly to address customer requests, dispatch personnel, coordinate repairs and more. Improving customer service, increase productivity and reduce costs.

TAKE COVERAGE AND CLARITY FURTHER

The DTR550 digital radio works wherever people do. Reporting from the production line or the principal's office, they'll enjoy expanded in-building coverage that's 20% greater – up to 325,000 square feet with the stubby antenna and 350,000 sq. ft (or 30 floors indoors) with the standard extended whip antenna.

They'll also benefit from digital audio quality that stays loud and clear, up to the edge of coverage, without static or dead zones. Plus they'll get 45% longer talk time – up to 19 hours with the extended capacity battery – all from a single charge.*

TALK TO ONE OR MANY AT ONCE

Employees can talk privately to one person or publically to 20 groups, each DTR550 radio has a unique 11-digit identification number. A new level of communication flexibility with all these calling options:

Digital One-to-One Private Calling communicate privately with a specific user. The recipient can receive an alert—either audible or vibrating – and their radio will display the caller's ID.

Digital One-to-Many Group Calling enables public group call. All other DTR radios on the same group ID and channel can hear communications.

Digital One-to-Many Calling program DTR550 radios to communicate with specific sets of group members. The caller ID displays the group identification.

What's more, important privacy features like frequency hopping spread spectrum offer enhanced security for business communications by using up to 500 license-free frequencies separated into 10 non-overlapping frequency blocks.

MAKE THE WORKDAY MORE EFFICIENT

The DTR550 is filled with features that make employees' work more productive and efficient. Whether it's quick access list of their most-used contacts, a call list of the last twenty transmissions or a short messaging service that lets them send and receive messages, such as "I'll call you back in 5 minutes."

Along with fundamental features like caller ID, call forwarding, time/date stamping , the DTR550 offers private call reception, return, origination and an audio and vibrating VibraCall® alert to keep communications discreet and not disturb others.

EXPECT TOUGHNESS FOR EVERY TASK

Rugged and reliable, the DTR550 meets U.S. Military 810 C, D, E and F Standards for shock, vibration, water, dust and temperature extremes—so it will stand up to the most demanding conditions. A swivel carry holster and protected 2-pin accessory jack improve efficiency and reliability on the job, whether they're checking on a boiler in the basement or checking inventory on the factory floor.

* Coverage will vary based on terrain and conditions. All comparison claims made against Motorola CP100/ XU2600 analog radio models. High capacity battery used.

KEY FEATURES

Customer Programming Software (CPS) for easy programming

Enhanced coverage— 325,000 sq. ft with stubby antenna and up to 350,000 sq. ft or 30 floors indoors with standard extended whip antenna

900 MHz ISM license-free band

Frequency hopping spread spectrum (FHSS)

Private-call reception, return, origination, and audio VibraCall® vibration alert

Public-group calling—up to 20 public groups

Short Message Service (SMS) text messaging reception and origination

Preset messages for quick and easy response— 15 available with 5 preprogrammed

SMS time/date stamping

Battery gauge

Lithium ion battery—up to 14.5 hours of operation per full charge

3-hour desktop charger included

Swivel carry holster

Private- and group-call name aliasing

Rugged, compact polycarbonate housing with rubber overmold for comfort—5.2" H x 2.3" W x 1.4" 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

Call Alert reminder tone

Caller ID

Recent call list—last 20 transmissions

Call forwarding

150-unit contact list (shared group/private)

Remote-disable and remote-monitor receipt

Over-the-air time/date update receipt

GENERAL SPECIFICATIONS

Frequency	900 MHz ISM FHSS
Contact List Capacity	Shared Group/Private (Private Groups max 10; Public Groups max 20; Private Id max 150)
Default Programming	5 Public Groups
Power Supply	3.8V ± 0.4V
Dimensions	132.3mm H x 57.2mm W x 35.4mm D (5.2" H x 2.3" W x 1.4" D)
Weight	
with 1200 mAH Li-Ion Battery	7.6oz
with 1500 mAH Li-Ion Battery	7.8oz
Average Battery Life @ 5-5-90 Duty Cycle	
with 1200 mAH Li-Ion Battery	14.5 Hrs
with 1500 mAH Li-Ion Battery	19 Hrs
FCC Designation	AZ489FT5842
IC Designation	109U-89FT5842

RECEIVER SPECIFICATIONS

Sensitivity	-125 dBm
Frequency Stability (-30º C to +60º C)	± 0.0005% (± 5PPM)
Spur Rejection	55 dB
Blocking Immunity Interferer from ±500 KHz to ±1 MHz Interferer from ±1MHz to ±15 MHz	75 dB 80 dB
Audio Output @ < 5% Distortion	1W

TRANSMITTER SPECIFICATIONS

RF Output	1W
Channel Spacing	50 kHz
Frequency Stability (-30º C to +60º C)	± 0.0005% (± 5PPM)
Spurs/Harmonics	500 uV/m (3m)
Audio Distortion	<3%
TX ACCPR	-50 dBc
FCC Modulation	8-level FSK 900 MHz ISM FHSS

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