

## KEY FEATURES

Private one-to-one and private one-to-many calls	Swivel carry holster included
Customer Programming Software (CPS) for easy programming	Private- and group-call name aliasing (via optional Mini Keyboard or CPS)
On-site communications with coverage comparable to, or better than, PMR446 products*	Rugged, compact polycarbonate housing with rubber overmold for comfort—132 mm H x 58 mm W x 36 mm D
2.4 GHz ISM license-free band	Meets military 810 C, D, E, and F specifications for shock, vibration, water, dust and temperature extremes
Frequency hopping spread spectrum (FHSS) for security and interference avoidance	2-pin audio accessory jack with captive connector cover
Private-call reception, return, origination, and audio/VibraCall® vibration alert	Connector programming interface with captive connector cover
Public-group calling—up to 20 public groups	Alert reminder tone
Short Message Service (SMS) text messaging reception and origination	Caller ID
Preset messages for quick and easy response—15 available with 10 preprogrammed	Recent call list—last 20 transmissions
Free-form messages (via optional Mini Keyboard)	Call forwarding
SMS time/date stamping	150-unit contact list (shared group/private)
Battery gauge	Remote-disable and remote-monitor receipt
Lithium ion battery—up to 18 hours of operation per full charge	Over-the-air time/date update receipt
3-hour desktop charger included	



# DTR2430™

## Digital On-Site Two-Way Radio

### The Digital Difference

What makes the DTR2430 perfect for your on-site operation? Digital technology. It enables enhanced coverage and optimum battery life.\* And digital audio quality—which stays loud and clear everywhere you have coverage.

Moreover, each unit has its own unique 11-digit identification, bringing you new 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, and the recipient's radio 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 analog radios.

Private group call—allows you to set up selected user groups and communicate privately and securely within the group.

\* Coverage will vary based on terrain and conditions. All comparison claims made against Motorola XTN446 analog radio models.

## SPECIFICATIONS

Frequency	2400 MHz ISM FHSS
Contact List Capacity	100 (Shared Group/Private)
Default Programming	5 Public Groups
Power Supply	3.8 V $\pm$ 0.4 V
Dimensions	132 mm H x 58 mm W x 36 mm D (5.2" H x 2.3" W x 1.4" D)
Weight:	
with 1200 mAH Li-Ion Battery	215 grams
with 1500 mAH Li-Ion Battery	221 grams
Average Battery Life @ 5-5-90 Duty Cycle:	
with 1200 mAH Li-Ion Battery	18 Hrs.
with 1500 mAH Li-Ion Battery	23 Hrs.
FCC Designation	AZ489FT5842
IC Designation	109U-89FT5842

## RECEIVER SPECIFICATIONS

Sensitivity: (3% BER Sensitivity)	-125 dBm
Frequency Stability: (-30° C to +60° C)	$\pm$ 0.0005% ( $\pm$ 5 PPM)
Spur Rejection	55 dB
Blocking Immunity:	
Interferer from $\pm$ 500 kHz to $\pm$ 1 MHz	75 dB
Interferer from $\pm$ 1 MHz to $\pm$ 15 MHz	80 dB
Audio Output @ < 5% Distortion	100 mW

## TRANSMITTER SPECIFICATIONS

RF Output	100 mW
Channel Spacing	50 kHz
Frequency Stability: (-30° C to +60° C)	$\pm$ 0.0005% ( $\pm$ 5 PPM)
Spurs/Harmonics	500 uV/m (3 m)
Audio Distortion	<3%
TX ACCPR	-50 dBc
FCC Modulation	8-level FSK 900 MHz ISM FHSS



### Motorola Limited, EMEA Headquarters

Jays Close, Viables Industrial Estate, Basingstoke, RG22 4PD, UK  
Telephone: +44 (0)1256 358211

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

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