

KEY FEATURES

Customer Programming Software (CPS) for easy programming

Enhanced coverage—up to 350,000 sq. ft or 30 floors indoors (with use of extended antenna accessory)

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 50 public groups

Private-group calling—up to 20 private groups

Short Message Service (SMS) text messaging reception and origination

Preset messages for quick and easy response—25 available with 10 preprogrammed

Free-form messages (via optional Mini Keyboard)

SMS time/date stamping

Battery gauge

High-capacity lithium ion battery—up to 19 hours of operation per full charge

1-hour desktop charger included

Swivel carry holster

Private- and group-call name aliasing (via optional Mini Keyboard)

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

Connector programming interface with captive connector cover

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

Remote-disable and remote-monitor origination

Over-the-air time and date update origination and receipt

Unit-to-unit configuration cloning (via optional Cloning Cable)



DTR650™

Digital On-Site Two-Way Radio

The Digital Difference

What makes the DTR650 perfect for your on-site operation? Digital technology. It enables coverage extended by 40%*. Up to 45% longer operation on a single charge*. 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.

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

GENERAL SPECIFICATIONS

Frequency	900 MHz ISM FHSS
Contact List Capacity	100 (Shared Group/Private)
Default Programming	5 Public Groups
Power Supply	3.8V \pm 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: (3% BER Sensitivity)	-125 dBm
Frequency Stability: (-30° C to +60° C)	\pm 0.0005% (\pm 5PPM)
Spur Rejection	55 dB
Blocking Immunity:	
Interferer from \pm 500 KHz to \pm 1 MHz	75 dB
Interferer from \pm 1MHz to \pm 15 MHz	80 dB
Audio Output @ < 5% Distortion	1W

TRANSMITTER SPECIFICATIONS

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



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Southern Indiana



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RD-DLR/650SPEC

