



MOTOROLA

TRUNKED PORTABLE RADIO

for LTR® Systems



GTX™ series radios

The innovative GTX™ family of trunked radios offers an unprecedented combination of multi-feature advantages with a new level of value and cost efficiency. The GTX series includes portable and mobile models designed to operate on LTR trunking systems. This portable model includes the following features:

Easy Operation

The GTX trunked radio for LTR operation provides convenient and easy to use rotary controls for ON/OFF, volume and system selection.

Numeric Display

An eight-digit display allows simple, instant talk group identification.

Time-Out Timer

Automatically shuts off the transmitter after a predetermined and programmable amount of time, helping prevent channel tie-ups.

Dual Mode Capability

With 10 systems/8 talk groups and 10 conventional modes, you can enjoy the convenience of selecting both trunked and conventional repeater operation.

Talkaround

Communicate directly with another unit with radio to radio contact, extending coverage to fringe areas when you are beyond the system's range.

Telephone Interconnect

To extend communication coverage beyond the system, telephone interconnect allows you to initiate and receive telephone calls in both trunked and conventional modes.

Scan

Scan a combination of trunked systems and conventional channels for messages, and monitor channels easily in a multiple system environment.

Rugged Dependability

GTX radios are designed and built to perform in demanding applications. The unique Motorola Accelerated Life Test simulates years of field use, ensuring mechanical integrity and dependability.

The GTX trunked portable radio for LTR systems also provides:

- Up to 20 channel operation
- Fast system access
- Automatic retry
- Communications privacy
- Flexible fleet structuring

GTXTM

series radios

Trunked Portable Radio for 800 MHz/900 MHz LTR[®] Operation

Performance Specifications

General	800 MHz	900 MHz
Model Series	H11UCD6CU1_N	H11WCD4CU1_N
FCC ID:	AZ489FT5776	AZ489FT5781
Power Supply	One rechargeable NiCd battery	
Battery Voltage	7.5V	
Temperature Range	-30°C to +60°C	
Dimensions: Radio Only*	5.53"H x 2.32"W x 1.09"D	
Weight: Radio Only	11oz	

* Measured from base of radio to base of knobs

Transmitter	800 MHz	900 MHz
RF Power Min	3W	2.5 W
Frequency Range*	806-821 MHz 851-866 MHz	896-902 MHz 935-941 MHz
Frequency Stability	± 2.5 ppm	± 1.5 ppm
Emission		
Conducted and Radiated	-48 dBc	
FM Hum & Noise	-40 dB	-35 dB
Audio Distortion	5%	
Modulation Limiting	5 kHz	2.5 kHz

* Note: This equipment is not authorized by the FCC for public safety use in the 821-824/866-869 MHz band in the United States

Standard Features

10 Systems	Scan
8 Groups	Telephone Interconnect
10 Conventional Channels	Talkaround

Receiver	800 MHz	900 MHz
Frequency Range	851-866 MHz	935-941 MHz
Bandwidth	15 MHz	6 MHz
Channel Spacing	25 kHz	12.5 kHz
Usable Sensitivity (12 dB SINAD) max	0.35µV	
Intermodulation	-65 dB	-60 dB
Selectivity (Adjacent Channel)	-65 dB	-60 dB
Frequency Stability	± 2.5 ppm	± 1.5 ppm
Rated Audio	500 mW	
Distortion at Rated Audio	5%	
Spurious Response Rejection	-65 dB	-60 dB

Batteries

Battery Life (5/5/90 Duty Cycle)	@3W
Hours of Operation, High Capacity Battery	8.0

Radio Service Software

RVN4150	Disk Types: 5 1/4" and 3 1/2"
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MIL Standard

The GTX portable radio is designed to meet or exceed most requirements for MIL STD 810 C,D, and E.

For further information, contact:



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Specifications subject to change without notice.

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