

# GTX™

## Trunked Mobile Radio

*The innovative GTX family of trunked radios offers an unprecedented combination of multi-feature advantages with a new level of value and cost efficiency.*



## FEATURES

### Roaming\*

Wide range communication coverage can be obtained with system-to-system compatibility.

.....

### Numeric Display

An eight-digit display on portable models and a three-digit display on the mobile radios allows simple, instant talk group identification.

.....

### 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.

.....

### Call Alert™

Notifies users of calls in their absence, ensuring that messages are received. This helps users avoid tying up air time if they attempt to reach unattended units.

.....

### Private Conversation™

Maintain confidential communication by selectively contacting units, ensuring that your communications will be protected.

.....

### 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.

.....

### Privacy Plus™ Type I, II and III Trunked Systems

The GTX mobile and portable radios offer the flexibility and capability of programming based on system requirements.

.....

### 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.

.....

\* Applies to Type II upgraded systems only



**MOTOROLA**

### Mobile Radio for 800 MHz/900 MHz Privacy Plus Operation

GENERAL		
	800 MHz	900MHz
<b>Model Series:</b>	M11UGD6CB1_N	M11WGD4CB1_N
<b>FCC ID:</b>	AZ492FT5778	AZ492FT5782
<b>Typical Power Output:</b>	15W	12W
<b>Primary Voltage Input:</b>	13.6V	13.6V
<b>Frequency*:</b>	Tx: 806-821, 851-866 MHz Rx: 851-866 MHz	Tx: 896-902, 935-941 MHz Rx: 935-941 MHz
<b>Typical Currents</b>		
<b>Drain Receive (4W):</b>	1.5A	1.5A
<b>Transmit:</b>	6.5A	6.5A
<b>Standby:</b>	0.45A	0.45A
<b>Dimensions:</b>	1.73" H x 6.61" W x 6.67" D	1.73" H x 6.61" W x 6.67" D
<b>Weight:</b>	2.67lb	2.67lb

\* 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

TRANSMITTER		
	800 MHz	900 MHz
<b>Spurious and Harmonic Emissions:</b>	-56 dBc	-56 dBc
<b>Frequency Stability:</b>	±2.5 ppm	±1.5 ppm
<b>Modulation Limiting:</b>	5 kHz	2.5 kHz
<b>Maximum Frequency Separation:</b>	15 MHz	6 MHz
<b>Audio Distortion:</b>	5%	5%
<b>Output Impedance:</b>	50 ohms	50 ohms
<b>Audio Sensitivity:</b>	0.080V ± 3 dB for 60% max. deviation @ 1000 MHz	0.080V ± 3 dB for 60% max. deviation @ 1000 MHz

RECEIVER		
	800 MHz	900 MHz
<b>Channel Spacing:</b>	25 kHz	12.5 kHz
<b>Sensitivity (EIA SINAD):</b>	0.35µV	0.35µV
<b>Intermodulation:</b>	-65 dB	-60 dB
<b>Selectivity:</b>	-65 dB	-65 dB
<b>Audio Output @ Less than 5% Distortion**:</b>	4W	4W
<b>Frequency Stability:</b>	±2.5 ppm	±1.5 ppm
<b>Maximum Frequency Separation:</b>	15 MHz	6 MHz

\*\* 7.5W with External Speaker (Optional)

RADIO SERVICE SOFTWARE	
<b>RVN4150:</b>	Disk Types: 5¼" and 3½"

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

Specifications subject to change without notice.

STANDARD FEATURES	
10 Systems	Talkaround
8 Groups	Call Alert™
10 Conventional Channels	Low Battery Alert
Roaming†	Time-Out Timer
Scan	3 Digit Display
Telephone Interconnect	DTMF Microphone Optional
Private Conversation™	

† Applies to Type II upgraded systems only



#### SUPPORT SERVICES

Wherever Motorola sells, our product is backed by service. Our products are serviced throughout the world by a wide network of company or authorized independent distributor service organizations.



## MOTOROLA

Motorola U.S.A.  
1301 E. Algonquin Road  
Schaumburg, Illinois 60196  
In the U.S. call: 1-800-247-2346

Motorola Canada Limited  
3900 Victoria Park Avenue  
North York, Ontario M2H 3H7  
In Canada call: 1-800-268-5758

Outside the U.S. and Canada call: (847) 538-6602

©, Motorola, GTX, Privacy Plus, Call Alert, and Private Conversation are trademarks of Motorola. ■ © 1997 by Motorola Inc. ■ Printed in U.S.A. ■ (9704) Merit ■ Produced by Customer Communications.

Motorola is an Equal Employment Opportunity/Affirmative Action Employer