

LTR®

# GTX

## GTX Mobile Trunked Two-Way Radio for LTR® Systems

### Motorola Quality: More Accessible Than You Think

To stay on top in today's competitive marketplace, you need fast, dependable access to the right people and information. And with the innovative GTX family of trunked mobile radios, that's exactly what you get. No matter what your business—taxi and delivery, utilities, construction, or transportation—GTX radios can help you connect with 1, 10, or 100 colleagues instantly, at the touch of a button. What's more, these versatile radios offer all the features and flexibility you need to get the job done. Depending on your coverage needs, you can choose from 15W or 35W power models that operate on either 800 or 900 MHz frequencies—with data capabilities that extend your communication options even more. Whichever model you choose, you'll enjoy outstanding Motorola quality—and the great communication you're looking for.

#### Dual Mode Capability

Allows radio to operate on either trunked or conventional systems with 10 trunked modes/ 8 talkgroups and 10 conventional channels

#### Talkaround

Maximizes radio's calling range with unit-to-unit communication that bypasses the repeater

#### Time-Out Timer

Automatically shuts off the transmitter after a specified amount of time, helping prevent channel tie-ups

#### Two-Color LED Indicators

Clear, visible feedback of transmit and receive status

#### Telephone Interconnect Initiation and Response

Enhances radio's functionality by letting users place and receive phone calls

#### Scan

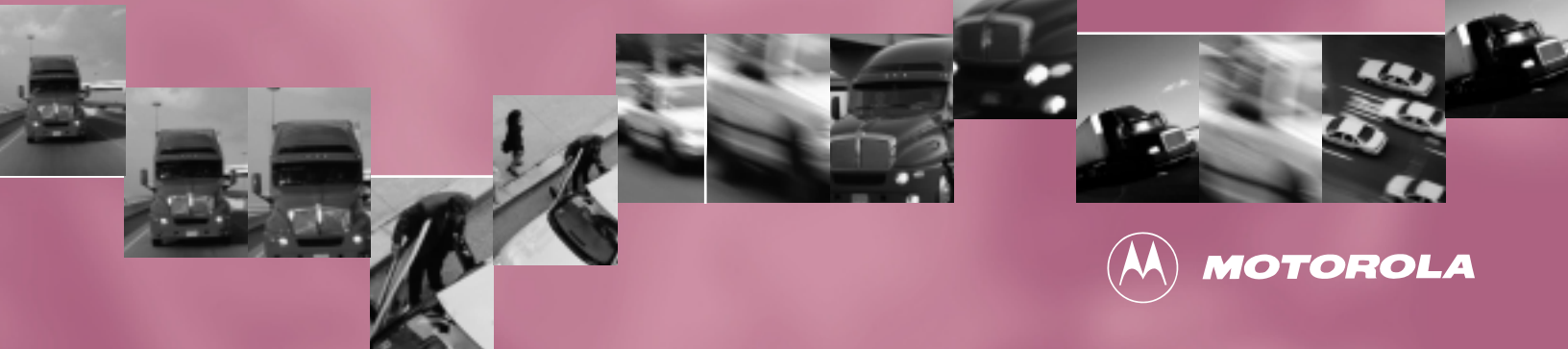
Monitors transmissions on LTR systems, conventional channels, or both

#### Three-Character Display

At-a-glance identification of talkgroups and other important information

#### Horn and Lights Activation

Notifies user of incoming calls when outside the vehicle



**MOTOROLA**

# GTX Trunked Mobile Radio for LTR® Systems

GENERAL SPECIFICATIONS		800 MHz		900 MHz	
Model Number	M11URD6CU1_N	M11UGD6CU1_N	M11WGD4CU1_N	M11WRD4CU1_N	
RF Output	35W	15W	12W	30W	
RF Output (Talkaround)	20W	10W	10W	20W	
FCC Description	ABZ99FT3003	AZ492FT5778	AZ492FT5782	ABZ99FT3004	
Dimensions (H x W x L)	1.73" x 6.61" x 8.62" (44 mm x 168 mm x 219 mm)	1.73" x 6.61" x 6.67" (44 mm x 168 mm x 169 mm)		1.73" x 6.61" x 8.62" (44 mm x 168 mm x 219 mm)	
Weight	4.30 lb (1.95 kg)	2.67 lb (1.21 kg)		4.30 lb (1.95 kg)	
Frequency Range *	806 - 866 MHz		896 - 941 MHz		
Transmit	806 - 821 MHz		896 - 902 MHz		
Talkaround	851 - 866 MHz		935 - 941 MHz		
Receive	851 - 866 MHz		935 - 941 MHz		
Channel Spacing	25 kHz		12.5 kHz		
Channel Capacity	Trunked Modes: 10 / Trunked Talkgroups: 8 / Conventional Channels: 10				
Frequency Stability	2.5 ppm		1.5 ppm		
Input Voltage	13.6 V dc	13.8 V dc		13.6 V dc	
Temperature Range Operating Storage	-30 to +60° C -40 to +85° C				

\* 821 - 825MHz and 866 - 870 MHz are available outside of U.S.

TRANSMITTER		800 MHz		900 MHz	
Power output	35W (806 - 821 MHz) 20W (851 - 866 MHz)	15W (806 - 821 MHz) 10W (851 - 866 MHz)	12W (896 - 902 MHz) 10W (935 - 941 MHz)	30W (896 - 902 MHz) 20W (935 - 941 MHz)	
Channel Spacing	25 kHz		12.5 kHz		
Maximum Frequency Separation	15 MHz		6 MHz		
Modulation Limiting	5 kHz		2.5 kHz		
FM Hum & Noise	-40 dB		-35 dB		
Conducted / Radiated Emission	-13 dBm				
Audio Response (300-3000 Hz)	+1 to -3 dB				
Audio Distortion	Less than 5 %				

RECEIVER		800 MHz		900 MHz	
Channel Spacing	25 kHz		12.5 kHz		
Sensitivity (12dB SINAD)	0.35 µV		0.35 µV		
Intermodulation	-65 dB		-60 dB		
Adjacent Channel Selectivity	-65 dB				
Spurious Rejection	-65 dB				
Audio Output Power	4W (internal speaker) / 7.5W (external speaker)				
Audio Distortion @ Rated Audio	5%				
Current Drain OFF Standby Rated	30 mA 450 mA 1.5A (4W internal speaker) / 1.7A (7.5W external speaker)				
Conducted Spurious Emission	Per FCC part 90				

MOBILE MILITARY STANDARDS 810 C,D, AND E*						
Applicable MIL-STD:	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	1	500.3	1
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2
Temperature Shock	503.1	1	503.2	1	503.3	1
Rain	506.1	2	506.2	2	506.3	2
Humidity	507.1	2	507.2	2	507.3	2
Salt Fog	509.1	1	509.2	1	509.3	1
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8,10	514.3	1	514.4	1
Shock	516.2	1,3,5	516.3	1,5	516.4	1,5
Crash Safety Shock					516.4	5
Packaged Vibration					514.4	

\*MIL Standards- The GTX mobile radio is designed to meet or exceed most requirements for MIL STD 810 C, D, and E.

## Features Overview

- 10 Trunked Modes
- 8 Trunked Talkgroups
- 10 Conventional Channels
- Three-Character Display
- Dual Mode Capability
- Talkaround
- Telephone Interconnect (Initiate/Response)
- All Group Scan, System Scan and User Scan
- Time-Out-Timer
- Horn and Lights
- Deskset Compatible\*
- Data Capable\*
- Limited one year warranty on radio parts, labor and accessories

\* 30W and 35W models only.  
Available on 12W and 15W models  
2nd half of 2000.

Visit our website at:  
<http://www.motorola.com>



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