



MTM5000 SERIES TETRA MOBILE RADIOS SAFER SMARTER FASTER

ENABLING CURRENT AND FUTURE CRITICAL COMMUNICATIONS





DATA IS GROWING IN IMPORTANCE

When it was introduced the dominant use of TETRA was for voice communications, but the use of TETRA as a data bearer has steadily increased. Beginning with the use of status messaging and text, data over TETRA has evolved into the use of picture messaging, WAP, and data-base access. TETRA is also being used for machine to machine communication in industries such as power distribution.

TEDS will enrich the data experience for all types of users. For example data base access will be faster, and additional data can be accessed such as pictures. Uploads can also be enlarged to include fingerprints, pictures and small video clips.

TRENDS IN TETRA CORE NEEDS

TETRA Systems continue to be deployed in more and more countries supporting Public Safety and Mission Critical operations with secure, reliable, and resilient communications. Motorola has shipped over 2 million TETRA radios to customers around the world.

Users of TETRA require:

- Rapid and reliable call connections
- Rugged terminals to withstand all weather conditions and rough handling
- Secure communications to prevent unauthorised reception or interception
- Resilient systems to withstand sabotage or natural events, and separation from public systems which become overloaded
- User location for safety and efficiency
- Data services, with a migration path to broadband in the future





TETRA ON THE MOVE WHAT'S NEEDED IN A MOBILE TETRA RADIO

- Rugged and simple to use with an intuitive interface
- Excellent coverage in both urban and rural environments
- Range of installation kits and accessories for use on a variety of vehicles
- Flexible connections to interface with companion devices such as cameras, mobile computers, PDAs
- Options for enhanced security
- Advanced applications for specialised operations

SOFTWARE FEATURES TO CUSTOMISE THE MTM5000

The Motorola mobile radio family has been deployed by many public safety and industrial users. Special applications have been developed to meet the particular needs of these customers which are available for all users. These are just some examples.

Messaging Applications. Special messaging applications are available to increase the speed of communicating with teams. For example, Disaster Alert which is an emergency pre-emptive priority call made by a user alerting a single pre-defined group to the presence of a disaster such as an earthquake or major accident.

Resource Allocation. Call out is an application to determine quickly which mobile units are available to answer a call and to then allocate them to the task.

Optimising the network. GPS service inevitably uses some data capacity, LIP throttling limits the impact of GPS traffic when the network is congested. Secondary Control Channel (SCCH) will increase capacity for data traffic in a TETRA network by opening a second channel. This will help to speed-up the flow of GPS and SDS traffic. Network access can be adapted for special needs, either by preventing access for unauthrorised users or providing preferential access for special users.

Security. End to End encryption can be enabled on either voice or data services. Stun or Kill will temporarily or permanently disable the radio if stolen from or in the vehicle.

SDS Remote Control. Enables control of one or more terminals from a workstation and a controlling TETRA Radio Over the Air using the PEI interface. For example a local fire controller using a field PC and a controlling MS can increase or decrease volume of an individual radio, or change talk groups. Or a Dispatcher or controller can directly request GPS position of an officer who is not responding to a call.

READY FOR THE FUTURE, THE EVOLUTION OF TETRA AND CRITICAL COMMUNICATIONS

TETRA has continued to evolve since it's introduction in 1992 and users have been offered a continuous stream of improvements and enhancements which have increased the functionality, reliability, and value of the TETRA network. During this time the data speeds of TETRA have increased with the introduction of Multi-Slot Packet Data. Now with the introduction of TETRA Enhanced Data Service (TEDS) a further significant increase is enabled. This has come at a time when many users are experiencing the benefits of mobile data using public carriers and PDAs and Smartphones. TEDS will support the migration of many applications across to TETRA networks with the attendant benefits of security and resilience.



MTM5000 SERIES TETRA MOBILE RADIOS

The Motorola MTM5400 Mobile TETRA radio has been joined by two new models to give a choice of specifications to match end user profiles and needs.

SAFER

- HEAR AND BE HEARD IN DIFFICULT ENVIRONMENTS WITH ENHANCED AUDIO
- STAY IN TOUCH WITH GREAT COVERAGE, IMPROVED RX SENSITIVITY AND HIGH POWER OPTIONS

SMARTER

- VERSATILE INSTALLATION CONNECTS END USERS IN AND AROUND THE VEHICLE, UP TO 40M FROM THE RADIO WITH THE MTM5500
- CONTROL THE RADIO AND MAKE VOICE AND DATA CALLS INSIDE OR OUTSIDE THE VEHICLE WITH THE TELEPHONE STYLE CONTROL HEAD

FASTER

- BE READY FOR TEDS FOR FASTER DATA COMMUNICATIONS TO IMPROVE EFFICIENCY AND SAFETY
- LINK TO DATA DEVICES FOR FLEXIBILITY AND POWERFUL APPLICATIONS

FOR AREAS WHERE COVERAGE IS RESTRICTED

SINGLE CONTROL HEAD INSTALLATION

MULTIPLE CONTROL HEAD INSTALLATION



The **MTM5200** is the base model sharing the enhanced audio and receiver sensitivity of the current MTM5400, as well as being TEDS-ready.



The **MTM5400** includes high power modes and the Gateway Repeater functionality features required by end users in areas of limited coverage.



The **MTM5500** is a highly flexible and capable system radio which permits the installation of multiple control heads and/or the new Telephone Style Control Head up to 40m from the radio.



Combining class leading robustness with a sleek ergonomic design, the discreet **Telephone -Style Control Head** (**TSCH**) provides flexibility and ease of operation, making it well suited for in-vehicle applications. Fully compatible with MTM5500 radios, the design attributes of the TSCH ensure uncompromising performance for missioncritical operations.

MTM5000 SERIES BENEFITS

EXTENDED OPERATIONAL RANGE

- Up to 10W transmit power (MTM5400/5500), with class leading receiver sensitivity delivers comprehensive network coverage
- Integrated DMO Gateway, DMO Repeater capabilities (MTM5400/5500), ensure secure and resilient communications where needed most

SUPERIOR AUDIO PERFORMANCE

 Next generation audio architecture delivering the loudest and clearest audio performance of any Motorola TETRA mobile available on the market*

HIGH SPEED DATA CONNECTIVITY

• TEDS Ready hardware - with a simple software license upgrade, enables 20x faster data connectivity for accessing back-office systems and databases

FIRE COMMANDEL

 Integrated USB 2.0 PEI, enabling rapid radio programming and standardised interfacing to data terminals and accessories. For additional flexibility, USB host and slave modes are also supported

LOW USER MIGRATION COSTS

POLICE INCIDENT CONTROL VEHICLE

- Familiar cellular style user interface and VGA colour display for enhanced usability and reduced staff training costs
- Same user interface as market proven MTM800 Enhanced mobile radios
- Re-use of MTM800 Enhanced accessories using GCAI connector

ENHANCED END TO END ENCRYPTION OPTIONS

- Integrated hardware for SIM based end to end encryption
- Universal Crypto Module option**

ADVANCED TERMINAL MANAGEMENT

 USB 2.0 interface for fast radio programming via Motorola's integrated Terminal Management solution

METRO TRAIN

FLEXIBLE INSTALLATION OPTIONS

- Fully DIN-A compatible and available in Dash, Desk, Remote Head and Motorcycle mount formats
- Supports multiple control heads an ideal solution for installations in trains, ambulances and fire vehicles where more than one control point might be required

RUGGED DESIGN WITH EXCEPTIONAL RELIABILITY

- Includes IP67 control head option (MTM5200/5400), for exposed and challenging environments
- Front and Rear rugged GCAI connector for reliable connection of audio and data peripheral equipment
- Mobile radio and accessories are performance matched for enhanced reliability
- MTM5500 ethernet style connections enable up to 40m separation to either the new eCH Control Head or the Telephone Style Control Head

MTM5000 SERIES SOLUTIONS

The MTM5000 Series brings an ever wider range of installation options to the operator, with multiple control and expansion head options together with the option of multiple control head installation options up to 40m from the radio, with either the new eCH or the TSCH.

MTM5200 AND MTM5400



PRODUCT SELECTOR

мтм <mark>5200</mark>	мтм <mark>5400</mark>	мтм <mark>5500</mark>		
1 CONTROL HEAD		2 CONTROL HEADS		
STANDARD POWER	HIGH POWER FOR LOW COVERAGE AREAS			
NOT INCLUDED	GATEWAY REPEATER INCLUDED			
TEDS AND ESSENTIAL FEATURES				
ESSENTIAL	HIGH CAPABILITY	PREMIUM		

MTM5000 SERIES **ACCESSORIES**

MTM5500

EXPANSION HEAD OPTIONS



FLEXIBLE EXPANSION HEAD (ETHERNET READY) 2X STD ETHERNET TYPE, ETHERNET SIM READER AND RS232





AUDIO - MOBILE MICROPHONE





AUDIO - MOBILE MICROPHONE

CONTROL HEAD OPTIONS







AUDIO - VISOR MICROPHONE





AUDIO - LOUDSPEAKER





MOUNT - DASH OR FLOOR BRACKET



MULTIPLE CONTROL HEADS -

AMBULANCE, FIRE TRUCK, INCIDENT CONTROL VEHICLE, METRO TRAIN



USER SUPPLIED TERMINAL

















IN COLUMN





ALARMS, SWITCHES & CABLES





ANTENNAS









CONTROL STATION POWER SUPPLY





MTM5000 SERIES INSTALLATION OPTIONS

MOTORCYCLE*





- 1 Remote Mount Fixtures
- 2 Handlebar Controls (PTT Talk Group)
- 3 Headset Interface QD (Quick Disconnect)
- 4 Headset (Helmet)
- 5 Remote Control Head IP67
- 6 Loudspeaker (External or Internal)
- 8 Standard Control Head
- 9 Alternate Microphone (In rear box)
- 10 Antenna and/or GPS Combination

*For information on Covert Motorcycle Installations please contact your local Motorola representative



- 1 Dash or Remote Mount Fixtures
- 2 Loudspeaker
- 3 Visor Mic
- 4 PTT (Dash)
- 5 ALT Microphone (Fist or Handset)
- 6 Antenna: Wide Range, Roof Mount, Glass, Low Profile Combi
- 7 Antenna: Mag Mount



AMBULANCE

- 1 Dual Control Head Fixtures (Front)
- 2 Dual Control Head Fixtures (Back)
- 3 Visor Mic
- 4 PTT (Front)
- 5 PTT (Rear)
- 6 ALT Microphone (Handset) (Dash)
- 7 ALT Microphone (Handset) (Rear)
- 8 Loudspeaker (Dash)
- 9 Loudspeaker (Rear)
- 10 Antenna Low Profile

These illustrations show how the radio can be installed in four typical vehicles.

In addition there are kits to fit the radio into a wide variety of cars, trucks, trams, control vehicles, control rooms, covert cars and motorcycles, and even boats.



MODELS - COMPLIANT WITH DIN 75490 (ISO 7736)						
	MTM	5200	MTN	15400	MTN	15500
Dash		Compact radio for fas	st vehicle installation		N.	A.
Desk	Compact radio, for u	use in the office. Option with integrate	nal range of accessorie d loudspeaker	es such as desk tray	N	A.
Multiple Pamata Control Hoad	N.A.			Radio with multiple r head ca	emote mount control pability.	
Multiple nemote control neau	N.A.				Range of installation options enable use in cars, vans and other vehicles	
Motorcycle	Environmentally enhanced radio meeting IP67 specification. Suitable for demanding environments such as motorcycle, fire appliance and marine installations				N.	А.
Expansion head "Databox"	Radio without a control head, for data applications, or customised applicati				application developme	ent
GENERAL						
	Dimensions HxWxD (mm)	Weight Typical (g)	Dimensions HxWxD (mm)	Weight Typical (g)	Dimensions HxWxD (mm)	Weight Typical (g)
Dash and Desk models (transceiver + control head)	60x188x198 1300 60x188x198 1300			N	Α.	

(transceiver + control head)						
Transceiver only	45x170x169	1070	45x170x169	1070	45x170x169	1070
Standard control head	60x188x31	230	60x188x31	230	N.	Α.
Remote control head	60x188x39	300	60x188x39	300	60x188x39	300
Motorcycle control head	60x188x39	320	60x188x39	320	N.	Α.

USER INTERF	ACE & DISPLAY		
Display	Diagonal dimension	2.8"	
	Туре	VGA - 640x480 pixels Transflective T	-T, 65,000 colours
	Backlight	Variable backlight, User configurable	
	Font sizes	Standard & Zoom mode (90 pixels, 4.5r	nm high) characters
TSCH		N.A.	Available as option*
	Numeric	Integral backlit numeric keypad of 12 keys,	with keypad lock option
	International keypad versions	Roman, Arabic, Cyrillic, Korean, Chinese,	Taiwanese characters
	Programmable function keys	3 programmable function keys (plus 10 prog	rammable numeric keys)
Buttons & Keypad	Navigation	4-way navigation key, menu ar	id soft keys
	Emergency	Emergency button with backlight	
	Shortcuts	User configurable shortcuts to menus and common features using "One-Touch-Button" feature	
Rotary	Dual Function	Talkgroup and volume change with lock option	
Indication	LED	Tri-colour LED	
mulcation	Tones	Configurable notification tones	
User Interface	Standard Options	Arabic, Chinese Simplified, Chinese Traditional, Croatian, Danish, Dutch, English, French, German, Greek, Hebrew, Hungarian, Italian, Korean, Lithuanian, Macedonian, Mongolian, Norwegian, Portuguese, Russian, Spanish, Swedi:	
Lanyuayes	User defined	User programmable, using ISO 88	59-1 character
		Tailored to user need	s
Menu		Menu Shortcuts	
		Menu Configuration	
Contacts Management		Cellular Type	
Contact List		Up to 1000 contacts	
Contact List		Up to 6 numbers per contact, Max	2000 numbers
Multiple Dialling Methods		User selects how to dial	

USEN INTENTAGE & DISPLAT			1	
	MTM5200	MTM5400	MTM5500	
Fast/Flexible Call Response	Private Call	Response to a Group Call via One	Touch Button	
Multiple Ring Tones		Configurable with CPS		
Message Manager		Cellular Type		
Text message list		20		
Intelligent Keypad Text Input		All Control Heads		
Status list		100		
Country/Network Code List		100		
Scan lists		40 lists of 20 groups		
Discrete Mode		All Control Heads		
Screen Saver	g	gif image & text (any user's selection)		
Universal Time Display		All Control Heads		
Keypad Lock		All Control Heads		
Telligraup Feldere	Dual	Dual layer folder structure (folder/subfolder)		
Talkgroup Poluers		256 folders		
Favourite Folders	Up	Up to 3 (to store any favourite talkgroup)		

ENVIRONMENTAL SPECIFICATIONS

Using USB host

Operating Temperature (°C)		-30 to +60	
Storage Temperature (°C)		-40 to +85	
Not in use - Storage	ETSI 300 019-1-1 CLASS 1.3	Non-Weather Protected Storage Loc	ations
Not in use - Transportation	ETSI 300 019-1-2 CLASS 2.3	Public Transportation	
Stationary use - Weather Protected Locations	ETSI 300 019-1-3 CLASS 3.2	Partly Temperature Controlled Locations	
Mobile use - Ground Vehicle Installation	ETSI 300 019-1-5 CLASS 5.2	Climatic Tests	
Mobile use - Ground Vehicle Installation	ETSI 300 019-1-5 CLASS 5M3	Mechanical Tests	
Rail Certification Environmental	EN50155:2007 and IEC60571 ED. 3.0	Environmental	
MIL STD	810 C/D/E/F Specifications	All 11 categories met (or exceeded)	
Duct and Water Ingrees	IP54 (dust cat. 2)	Dash/Desk/Remote models	
Protection	IP67	Motorcycle model (only control head is IP67; transceiver is IP54)	MTM5500 TSCH IP55

ID.8 to 15.6 V DC Voltage Range 10.8 to 15.6 V DC Voltage Range 10.8 to 15.6 V DC Lidle / Rx / Tx @ 10W N.A. 0.5 / 1.0 / 1.2 (TX 3.4A Peak) Current Consumption (A, typ.) Idle / Rx / Tx @ 3W 0.5 / 1.0 / 1.2 (TX 3.4A Peak) Tx - Multi Slot PD (4 slots) @ 5.6W N.A. (3W only) 2.7 Tx - TEDS @ 3W 2.3

RF SPECIFICATIONS MTM5200 MTM5400 MTM5500 Frequency Bands (MHz) 350 - 390, 380 - 430, 410 - 470, 806 - 870 380 - 430, 410 - 470, 806 - 870 TETRA Release 1 N.A. (3W only) 10W, Class 2 Note: MSPD Transmitter RF Power 3W, Class 3 TETRA Release 2 (TEDS) 6 Power Step Levels (steps of 5 dBm) Starting at 15 dBm; finishing at 40 dBm **RF Power Control** A & B Receiver Class -114 minimum, -116 typical (ETSI 300-392-2) Receiver Static Sensitivity (dBm) Receiver Dynamic Sensitivity (dBm) -105 minimum, -107 typical (ETSI 300-392-2)

Adds 0.5A

GPS SPECIFICATIONS	
Simultaneous Satellites	12
Mode of Operation	Autonomous or assisted (A-GPS)
GPS Antenna	Supports active antenna (5V, 25mA supply)
Autonomous Acquisition Sensitivity	-143 dBm / -173 dBW
Tracking Sensitivity	-159 dBm / -189 dBW
Accuracy	<5m (50% probable) <10m (95% probable)
TTFF (HOT Start - Autonomous)	<1s
TTFF (WARM Start - Autonomous)	<11s
TTFF (COLD Start - Autonomous)	<36s
Less d'an Destaur la	ETSI Location Information Protocol (LIP)
	Motorola LRRP

VOICE SERVICES				
Talkgroups		2048 (TMO) & 1024 (DMO)		
Phone book entries		1000 persons. Up to 6 numbers per entry (mobile, office etc). Max 2000 entries		
Scan lists		40 lists of 20 talkgroups		
	Group call	Late Entry, TMO/DMO Mapping		
	Private call	Half / Full Duplex		
Trunked Mode (TMO) Services	Telephony (PABX, PSTN, MS-ISDN)	Full Duplex		
	DGNA	Up to 2047 groups		
	Scanning	Attachment signalling, supports SWMI initiated attachment/detachment		
Direct Made (DMO) Services		Group call		
Direct Would (Divio) Services		Private call		
	Tactical	Emergency Group Call to ATTACHED talkgroup		
	Non-Tactical	Emergency Group Call to DEDICATED talkgroup		
	Individual	Emergency Call to PREDEFINED party (half/full duplex)		
Encourage (to ilored by years)	Smart emergency	TMO/DMO/DMO to TMO automatic switching options		
Emergency (tailored by users)	Hot Mic	Configurable timers for automatic open mic (talk without PTT)		
	Location	Location (GPS) sent with emergency		
	Target Address	Sent to individual or group address (selected or dedicated)		
	Alarm (status message)	Emergency Status (or other pre-defined status)		

Alias messages		400 Entries
Status	Options	Can be sent via One-Touch or via menu
	Inbox	200 Entries (short messages), 40 Entries (long messages of up to 1000 characters)
Chart Data Carvias (CDC)		Cellular style iTAP predictive text entry
Short Data Service (2D2)	Target Address	Sent to individual or group address (selected or dedicated)
	Voice Call Interaction	SDS messages can be sent and received during a voice call
	Multi-slot PD	Data transmission with up to 4 slots supporting up to 28.8 kbit/s gross
Packet Data (PD)	TETRA Enhanced Data Service (TEDS) (via software upgrade)	$Supporting \ 25 kHz \ and \ 50 kHz \ channel \ bandwidths \ and \ enabling \ practical \ data \ rates \ of \ up \ to \ 80 kbit/s$
TEDS (capable)		QAM Channels: 25 kHz and 50 kHz (but not D8PSK channels)
		QAM modulation/coding modes: 4-QAM R1/2, 16-QAM R1/2, 64-QAM R1/2, and 64-QAM R2/3
WAP	Integrated WAP browser (including WAP-PUSH)	Integrated Openwave browser
		WAP 1.2.x and WAP 2.0 compatibility for UDP/IP Stack
D	Interface Protocol	AT Commands - Full Set ETSI Mandatory Compliant
Peripheral Equipment		AT Multiplexer - 4 Virtual Physical Port (simultaneous PD, SDS, AT commands and Air Tracer SESSIONS)
		TNP1; enables simultaneous PD and SDS sessions
		Programmable via Motorola Integrated Terminal Management (iTM) solution
Terminal Management	Over-The-Air Programming (OTAP) Mode* Capable	Background Mode Programming (BMP) capable* - while radio is operational (providing TETRA services) it is being programmed/configured. * Planned features with software upgrade

GATEWAY SEF	RVICES			
		MTM5200	MTM5400	MTM5500
		N.A.	Group voice calls from	m DMO to TMO
		N.A.	Group voice calls from	m TMO to DMO
		N.A.	Emergency group call f	rom DMO to TMO
		N.A.	Emergency group call f	rom TMO to DMO
DMO/TMO Gatew	av	N.A.	Transmission of Gatewa	ay Presence Signal
Divio/ Tivio Gatew	, dy	N.A.	Automatic detection and manager	nent of co-located Gateways
		N.A.	Call Pre-emption (in e	either direction)
		N.A.	SDS messaging from DMO to TMO (incl	uding GPS) or from TMO to DMO*
		N.A.	Configurable routing of SDS m	essages to console or PEI
		N.A.	Intelligent handling of point to point calls and SU	s messages whilst operating as a Gateway
REPEATER SEI	RVICES			
		ΝΔ	Beneats DMO voice and tone sign	alling on selected talkgroup
		Ν.A.	Beneats SDS and Status messar	ing on selected talkgroup*
		N A	ETSI type 1A DMO Beneater for	channel efficient operation
		N A	Transmission of Beneate	er Presence Signal
DMO Repeater		N.A.	Priority (Call
Diffo Hopoutor		N.A.	Emergency Call (Pre-em	ptive Priority Call)
		N.A.	E2EE Encrypted D	DMO traffic
		N.A.	Monitoring of and participation in c	calls whilst in Repeater mode
		N.A.	Configurable Repeate	er Power Levels
			•	
INTERFACES				
R\$232		For PEI (Four Virtual	Ports via AT Multiplexer enable PC application: AT Commands, SDS, SCOUT)	s to run simultaneously Packet Data,
		USB 2.0 support for	PEI (Two Virtual Ports via standard Windows d simultaneously Packet Data and AT Cor	Irivers enable PC applications to run mmands)
USB		USB 2.0 support for PE	l (Four Virtual Ports via AT Multiplexer enable PC a Data, AT Commands, SDS, SCOUT); rapid pro	pplications to run simultaneously Packet ogramming
		USB	On-The-Go (host & slave) capability for intellig	gent PEI applications
		USB 1.1 :	support (Host Mode) to manage USB Slave Devices	s (e.g. SIM CARD READER)
Rugged Accessory Con	nector (GCAI)	GCAI - Motorola acces	sory and ancillary interface for connection of acces	sories, data terminals and programming
General Purpose	Digital I/O		7 (4 on remote and motorcycle control head, 3	on transceiver)
Input/Output	Analog input		4 (1 on remote and motorcycle control head,	with 4 levels)
SECURITY FEA	TURES			
Alistantas	Algorithms		TEA1, TEA2, TEA3	
Air Interface	Security Classes		Class 1 (Clear), Class 2 (SCK), Class	s 3G
Encryption	Authentication		Infrastructure initiated and made mutual	by terminal
Provisioning			Secure provisioning tool via Key Variable L	oader (KVL)
		PIN/PUK code access		
User Access Control	Service Profile Selection for Radio User Assignment / Radio User Identity (RUA/RUI) Operation	Based on login credentials, a radio user can be limited to only those radio capabilities defined in pre-installed service profiles, selected by the infrastructure		
Data			Packet Data user authentication	n
Collector Coll	Voice E2EE			
END TO END Encryption (EtEE)	Packet Data E2EE	Enha Crynto Modul	Inced End to End Encryption with UTAH support e (UCM) and SIM (via integrated card slot) and	ed through Universal or Cryptr 2 Broadband IP unit
	Short Data (SDS) E2EE	Grypto Would	o to own and onw (via integrated calls SIDE) and	or organ 2 broadband in unit.
REGULATORY	COMPLIANCE			
			EN 303 035-1	

*	Futuro	software	rologeo
	rulure	SUILWAIE	release

Rail Certification EMC

Radio (R&TTE Article 3.2)

EMC (R&TTE Article 3.1.b)

Environmental

Automotive

Electrical Safety (R&TTE Article 3.1.a)

EN 303 035-2

ETSI EN 300-394-1 ETSI EN 300-392-2 EN 301 489-1 V1.3.1

EN 301 489-18 V1.3.1 EN 60950-1 (2001)

EN50360:2001 EME Directive 2002/96/EC WEEE

Directive 2002/95/EC RoHS EN50155:2007 IEC60571 Ed. 3.0

E-mark, Automotive EMC Directive 95/54/EC

EN50121:2007 IEC60571 Ed. 3.0



For more information on the MTM5000 Series radios, please visit us on the web at: www.motorolasolutions.com/MTM5000

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2014 Motorola Solutions, Inc. All rights reserved. MTM5000_SERIES_BROCHURE_(03/14)

