

large graphic display and emergency button, so it's ideal for police officers, fire fighters or paramedics. And with a combination of high performance voice and data capabilities, it connects and transmits data easily – you can even upgrade with new features. It really is the perfect choice for professionals who want voice, data and encryption integrated in one unit.



VOICE SERVICES SUPPORTED – GROUP:

- Group call TMO/DMO
- Group call TMO/DMO via a DMO Gateway
- TMO/DMO Programmable Talk Group mapping
- Late Entry TMO/DMO
- Emergency call TMO/DMO
- Emergency call "Hot Microphone"
- Announcement Talk Group call
- Hidden Talk Groups
- Dynamic Group Number Assignment (DGNA) - (up to 511 Groups)
- Local site trunking
- Scanning
- Talking Party Identification
- Favourites Talk Group Selection[†]
- Priority Monitor

VOICE SERVICES SUPPORTED – PRIVATE CALL:

- Half duplex/full duplex operation
- Flexible dialing (list scroll, short number dial, direct entry, alphabetic search, last number called)
- Loud/discreet audio mode (via optional handset)
- Calling line Identification Presentation
- · Busy User Pre-emption

VOICE SERVICES SUPPORTED – TELEPHONE CALL (PABX/PSTN):

- Full duplex operation
- Handsfree operation
- Flexible dialing (list scroll, direct dial, alphabetic search, speed dial, one-touch dial, last number redial)
- DTMF overdial
- Calling line Identification Presentation
- Busy User Pre-emption



DATA/MESSAGING SERVICES SUPPORTED:

- Short Data Service (SDS)
- Alphanumeric Text Service (ATS)
- Built-in database enquiry templates
- One touch status messaging
- Packet data service
- Peripheral Equipment Interface (PEI) for external RS232 short and packet data devices
- New text message notification during calls
- Database enquiry during calls
- Ability to read text messages during calls
- Ability to send text messages from busy talk group
- Automatic status message sent on entering/exiting Transmit Inhibit mode
- WAP support using packet data services via PEI

USER INTERFACE FEATURES:

- Alphanumeric Talk Group search
- Loud/discreet audio mode toggle (via optional handset)
- Keypad tones on/off
- · Alert tones on/off
- Backlight options (disabled, manual, automatic and semi-automatic)
- · Backlight intensity manually adjusted via front panel
- Multiple network support
- · Scan list edit via keypad
- Address book edit via keypad
- 5 pre-programmed languages (English, French, German, Spanish and Dutch)
- User definable display languages (ISO 8859-1 characters)
- 2 dedicated context sensitive menu softkeys
- 3 dedicated programmable function buttons





- One-touch functions on numeric keypad
- One-touch Phone/Private/PABX/Status/Talk group/TXI/Database template/Text message template
- Transmit grant tone on/off
- Full access to menu system during calls
- Call history received/dialed lists

OTHER

- Wideband RF operation (one model supports multiple RF bands)
- Multiple software upgrade capability
- Programming software automatic logging of logistical information
- Optional rugged IP57 motorcycle control head

ENHANCE YOUR MTM700 MOTOROLA TETRA MOBILE TERMINAL WITH A WIDE RANGE OF ACCESSORIES

Professional users of mobile radios have specific needs, requirements and working conditions within a highly demanding environment. Motorola provides complete two-way radio communication solutions with a wide selection of microphones, speakers, in-vehicle accessory kits and remote mounting kits. Professional users can customise their MTM700 mobile terminal to satisfy their individual communications needs above and beyond those already incorporated in the standard package.

SPEAKERS

SUITABLE FOR DESKTOP AND IN-VEHICLE SOLUTIONS

GMSN4066	External speaker 13 watts
GMSN4078	Compact external speaker 5 watts

DESKTOP SOLUTION

CMMMM064 Dookton migraphon

OFFERS A SIMPLE AND EASY-TO-INSTALL "MOBILE IN TRAY"
OPTION SUITABLE FOR LOCAL DISPATCHING OPERATIONS. THE
FOLLOWING ACCESSORIES ARE REQUIRED:

AUDIO ACCESSORY

GIVIIVIIN4Ub4	Desktop micropnone			
MOUNTING OPTION				
GLN7318	Desktop Tray without speaker			
POWER SUPPLY				
GPN6145	Desktop power supply			
GKN6266	DC power cable			
PLUG OPTIONS				
NTN7373	US Plug			
NTN7374	Euro Plug			
NTN7375	UK Plug			

IN-VEHICLE SOLUTIONS

The following accessories allow mobile terminal customisation over and above the standard mounting option. Suits professional end users' needs and caters for different vehicles and dashboards. The following accessories are available.

AUDIO ACCESSORIES

GMUN1006 Telephone style handset kit

Ergonomically designed for professionals seeking the increased privacy of a slim line telephone style handset with PTT. Supports both Duplex and PTT calling. Includes two programmable buttons for added functionalities such as loudspeaker enable/disable and "request to send".

GMMN4063 Fist microphone

Provides remote microphone and PTT for convenient one-handed mobile terminal operation. Robust construction with coiled cord for strain relief.

GMMN4065 Directional Visor microphone

Slick new design, catering for professionals working in vehicles for extended periods of time. Particularly suited for installations with high background noise and where the visor microphone is sheltered from outside wind.

GMMN1033 Omni-directional Visor microphone

This visor microphone offers alternative operational performance, especially designed to cater for installations where wind outside the vehicle may blow across the microphone.

RLN4856	Remote footswitch PTT			
RLN4857	Push button PTT			
RLN4858	Gooseneck PTT			
RLN4836	Emergency footswitch PTT			

PUSH-TO-TALK OPTIONS (FOR REMOTE PTT OPERATION):

MOUNTING OPTIONS:

GLN7317	High profile mounting trunnion			
GLN7324	Low profile mounting trunnion			
PMLN4492	3 metre remote mount kit			
PMLN4493	5 metre remote mount kit			
PMLN4494	7 metre remote mount kit			
PMLN4495	3 metre remote mount expansion kits			
PMLN4496	5 metre remote mount expansion kits			
PMLN4497	7 metre remote mount expansion kits			
RKN4077	3 metre Remote Mount Cable			
RKN4078	5 metre Remote Mount Cable			
RKN4079	7 metre Remote Mount Cable			
RLN4779	Key lock mount			

POWER CABLES:

GKN6270	3 metre 12V power cable to battery with fuse (10A)
GKN6274	6 metre 12V power cable to battery with fuse (10A)
HKN9327	6 metre ignition sense cable with fuse (3A)

ANTENNAS:

FAE5521	Rooftop mount 380-400 MHz
FAE6003	Rooftop mount 410-430 MHz
HAF4002	Rooftop mount 806-870 MHz

MISCELLANEOUS SPECIALISED ACCESSORIES:

GKN6270	External alarm relay
GLN7282	Buzzer kit

DATA:

GMKN4079	Mobile SB9600 cable			
GMKN1016	RS232 Data interface cable (800 MHz only)			
GMKN1022	Active Data Cable (for short and packet data transfer)			
GMKN4067	Programming cable			













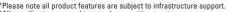


MTM700 Motorola TETRA Mobile Terminal 380-430 MHz and 806-870 MHz

GENERAL SPECIFICATIONS		
Dimensions HxWxD	mm	49x170x155 (radio only)
		72x185x53 (standard control head)
		58x185x58 (Motorcycle control head)
Weight	g	1350 (radio only)
		1650 (radio with control head)
		448 (Motorcycle control head only)
Talk groups –TMO		512
Talk groups –DMO		208
Private call list		100
Phone call list		100
PABX call list		25
Text message list		20
Status list	·	100
Country code/Network code list		100
Scan List		20 lists of 20 groups

ENVIRONMENTAL			
Operating Temperature	°C	-30 to +60	
Storage Temperature	°C	-40 to +85	
Humidity		ETS 300 019-1-5 class 5.1 and 5.2	
		EIA/TIA 603 (95%)	
Dust and Water		IP54 (cat.2)	
Standard control head			
Dust and Water		IP57 (cat.2)	
Motorcycle control head			
Shock, drop and vibration		ETS 300 019-1-5 class 5M2 and 5M3 MIL 810 C/D/E/F	

	RF SPECI	FICATIONS
Frequency Bands	MHz	380-430 or 806-870
Transmit Band	MHz	380-430 or 806-825
Receive Band	MHz	380-430 or 851-870
DMO Band	MHz	380-430 or 851-870
RF Channel Bandwidth	kHz	25
Switching Bandwidth (TMO)	MHz	50 (380-430)
		19 (851-870)
Switching Bandwidth (DMO)	MHz	50 (380-430)
		19 (851-870)
Transmitter/Receiver Separation	MHz	10 (380-430)
		45 (806-870)
Transmitter RF Power	Watt	3 (380-430)
		3 (806-870)
	Class	3
RF Power Control		4 Steps of 5 dB
RF Power Level Accuracy	+/- db	2
Receiver Class		A and B
Receiver Static Sensitivity	dBm	-112 minimum
		-114 typical
Receiver Dynamic Sensitivity	dBm	-103 minimum
		-105 typical











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^{*}Please note all product features are subject to infrastructure support.
*All specifications are subject to change without notice.
*Selected features are subject to optional software upgrade.
*The availability of the accessories included in this brochure is subject to change without notice.