



MTP6550 AND MTP6750 TETRA PORTABLES

MISSION-CRITICAL COMMUNICATION SOLUTION

FEATURES



*Only available on MTP6750

MTP6000 RADIO MODELS

	MTP6750	MTP6550
Camera	5MP Auto Focus Built-in LED Flash	Not Applicable
Keypad	Automatic keypad backlight 4 direction navigation key 3 selection keys 4 x 3 keypad	
One Touch Buttons	Single button activation for multiple functions	
Controls	Large PTT button with enhanced tactility Emergency Button Programmable multi-function rotary switch 2 programmable side keys	
Additional Storage	Micro SD card (up to 32GB additional capacity) *	
Battery Options	Standard battery: 1650 mAh High capacity battery: 2150 mAh	

SIZE AND WEIGHT

Height	132mm
Width	59mm
Depth	34mm (with standard battery)
Weight (Weights refer to MTP6550 model) with standard battery	292g (with 80mm stubby antenna)

RF SPECIFICATIONS

Frequency Bands	350-470 MHz
Transmitter RF Power	Class 3L (1.8W) & Class 4 (1W)
RF Power Level Accuracy	+/- 2 dB
Adaptive Power Control	Per EN 300 392-2
Receiver Class	A and B
Receiver Static Sensitivity	-114dBm (min); -116dBm (typical)
Receiver Dynamic Sensitivity	-105 dBm (min); -107 dBm (typical)

DMO REPEATER SERVICES

ETSI type 1A DMO Repeater for channel efficient operation
Repeats DMO voice on selected talkgroup
Repeats SDS and Status messaging on selected talkgroup **
Transmission of Repeater Presence Signal
Emergency Call (Pre-emptive Priority Call)
Monitoring of and participation in calls whilst in Repeater mode

LOCATION SERVICES

GPS Tracking Sensitivity	-159 dBm (guaranteed) - 160 dBm (typical)
GPS Accuracy	<5m (probable at -130dBm)
Protocols	ETSI LIP Motorola LRRP

LICENSED OPTIONS

Software upgrade optional features	TETRA Enhanced Data Service (TEDS) Multi-Slot Packet Data (MSPD) WAP Browser WAP Push Service Bluetooth v2.1 Support GPS Call Out Enhanced Security: OTAR/DMO SCK Air interface encryption End to End Encryption Options Permanent disable Temporary disable RUA/RUI Man-Down feature Class 3L (1.8W) transmit power RF Repeater Language options
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ACCESSORIES

Antennas (short stubby, long stubby, whip)
Coloured rubber antenna ring labels
Batteries (Li Ion 1650 mAh and 2150 mAh)
Battery chargers and vehicle adapters
Various carry options
Audio headsets
Remote speaker microphones
Earpieces
In-Vehicle Solutions
USB programming and data cables

* Micro SD card slot not available on models that support hardware-based End to End Encryption.

** Availability subject to future software release.

SECURITY SERVICES

Authentication		Infrastructure initiated and made mutual by radio terminal
Air Interface Encryption	Algorithms	TEA1, TEA2, TEA3
Protocols	Security Classes	Class 1 (Clear), Class 2 (SCK), Class 3 (GCK)
End to End Encryption		Enhanced End to End Encryption with OTAK supported through AES128 or AES256 Hardware or SIM based

DATA SERVICES

Short Data		STATUS messaging in TMO & DMO SDS messaging in TMO & DMO Short Data applications
TNP1		Simultaneous operation of Packet Data and Short Data Services over a common Peripheral Equipment Interface (PEI)
AT Commands		Full Set of AT Commands (including Voice Control)
Radio Fleet Management		Compatible with Motorola Integrated Terminal Management (iTM) solution

USER INTERFACE

Display		Large 2" QVGA with 262K vivid colours Backlight Flip screen, large icons and scalable text font options Screen saver gif image & text (user defined) Universal time display
Multiple languages		
Keypad lock		
Talkgroup Management		User friendly, flexible, fast and efficient interface
Favourite Folders		Up to 3 (to store any favourite talkgroup)
Menu		Customisable to user needs 20 user-configurable menu shortcuts Menu configuration
Contacts management		Cellular feature phone style (rapid search)
Multiple dialling methods		User selects how to dial
Fast, flexible call response		Private call response to a group call via One Touch Button
Vibrator and multiple ring tones		
Message manager		Cellular feature phone style (flexible)
Text message list		20
Intelligent keypad text input		
Status list		400 alias messages
Country/Network Code List		100
Scan lists		40 lists of 20 groups
Covert Mode		

MAIN VOICE SERVICES

Full Duplex	TMO	Private, PABX, PSTN
Half Duplex	TMO	Private, Group, Emergency
	DMO	Private, Group, Emergency Inter-MNI, Gateway, Repeater
Dialling		Direct, Scroll, Speed, One touch button/key, Alpha Search, Call History Redial
	Tactical	Emergency Group Call to ATTACHED talkgroup
	Non-Tactical	Emergency Group Call to DEDICATED talkgroup
	Individual	Emergency Call to PREDEFINED party (half/full duplex)
Emergency call (user customised)	HOT MIC	Allows user to talk without needing to press PTT (user enabled)
Status Message	DMO to TMO	Sent to dispatch console (user enabled) Enter DMO emergency (with/without gateway) or enter TMO emergency
Preemptive Priority Calls		
PTT Double Push		

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature °C	-30 to +60*
Storage Temperature °C	-40 to +85
Humidity	ETSI 300 019-1-7 class 7.3E
Dust and Water Ingress Protection	IP67 and IP65 per IEC 60529
Shock, drop and vibration	ETSI 300-019 1-7 class 5M3

RECOMMENDED SERVICES

Service from the Start with Comprehensive Coverage**

* Operating temperature range for radio camera functionality to be confirmed.

**Availability may vary by country. Please check with your local Motorola representative for full details.

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