



*WHEN THERE'S NO ROOM FOR COMPROMISE.  
THE NEW GENERATION MTP700 & MTM700*





***WHEN THERE'S NO ROOM FOR COMPROMISE.  
THE NEW GENERATION MTP700 AND MTM700***

Motorola are proud to bring you our new digital TETRA compliant MTP and MTM700 radios. Combining future-proof technology and leading edge features that improve your confidence and efficiency in mission critical and communication-vital environments, our MTP and MTM700 continue to meet the high performance standards you've come to expect from Motorola.

Every day millions of people around the world place their trust in Motorola's products. For over 60 years we've been delivering to police officers, fire fighters, paramedics, utilities and many other professionals the type of solutions required in their field of radio communication. Through detailed research and experience, we know that in such demanding environments the communications equipment upon which you depend must be beyond reproach; and in many cases, it must help save lives.

We've developed the MTP and MTM700 2nd generation, rugged style 'no compromise' radios especially for users who operate in these environments. Whilst it is clear that more than one type of radio is required to serve all types of user effectively, we believe that a 'one size fits all solution' inevitably results in compromise.

*"Audio quality is crucial" (Global research)*

Incorporating global research recommendations, our innovative MTP700 handportable radio and its mobile counterpart the MTM700, epitomise the successful combination of advanced design and technology, whilst not losing focus of the specialised requirements of front line users.

We understand the importance our customers put on well-designed and easy to use handsets. You told us and we listened...

***Motorola is one of the driving forces behind the development of TETRA and continues to work towards the future of the standard. We provide a complete TETRA solution including infrastructure, portable and mobile radio's as well as a range of our own data solutions and Motorola approved, third party applications.***

The MTP700 is a third smaller and lighter than our first generation of rugged TETRA portable.

It has raised keys and a large PTT that offer greater touch recognition and are easier to locate and manipulate in the dark. Further improving operation in hard-to-see conditions is a large, back lit, graphical display.

To help prevent talk-groups being changed accidentally in the middle of a vital conversation, we've kept our popular rotary knob. It's easy to access even if you choose to wear your radio, and as the device can be operated by feel it allows you to adjust it whilst keeping an eye on your surroundings.

The MTP700's bright orange emergency button sits at the base

of the antenna making it easy to find. It gives instant high priority access to talk-groups and its "Hot Mic" capability enables you to call for help immediately without the additional need to hit the PTT.

Both our MTP and MTM700 have a simple to operate navigation key, soft keys and programmable buttons that ensure their menus are optimised for professional usage. They give instant access and offer high levels of personalisation to help you save time. As both products are programmable and field upgradeable, new features and functionality can be added as soon as they become available.

The handsets deliver loud, crisp and constant audio providing clear communication and improving users' safety and operations in all situations.

The MTP700 also has a speaker on the front of the radio, so wherever you choose to wear your MTP700, calls will still be clearly heard. In addition to this, a dedicated speaker and the separate earpiece ensure safe audio levels for both duplex and private calls.

*"They don't know where they are going to be, what kind of conditions they are going to be in, communication is the most important thing" (Global research)*

*"We need a battery life that will exceed the length of the tour of duty and typically it needs to exceed beyond that, it needs to exceed 12 hours. It is a real issue..."* (Global research)

The battery life of the MTP700 is improved by a third compared with our first generation of handsets and enables you to work longer shifts safe in the knowledge that your radio will continue working, so there is no need to carry a spare battery. For your extra confidence, we've also added an improved battery gauge for peace of mind.

The new Intelligent Motorola Portable Radio Energy System consists of an IMPRES™ battery and an IMPRES™ charger. Together they provide an automated and self-sufficient battery maintenance system, maximising battery-operating time between charges, therefore reducing maintenance and replacement costs.

You can further complement your MTP700 with our wide selection of connectable accessories, such as our enhanced Remote Speaker Microphone, which has an additional Vibracall function to discreetly alert you to a call or message

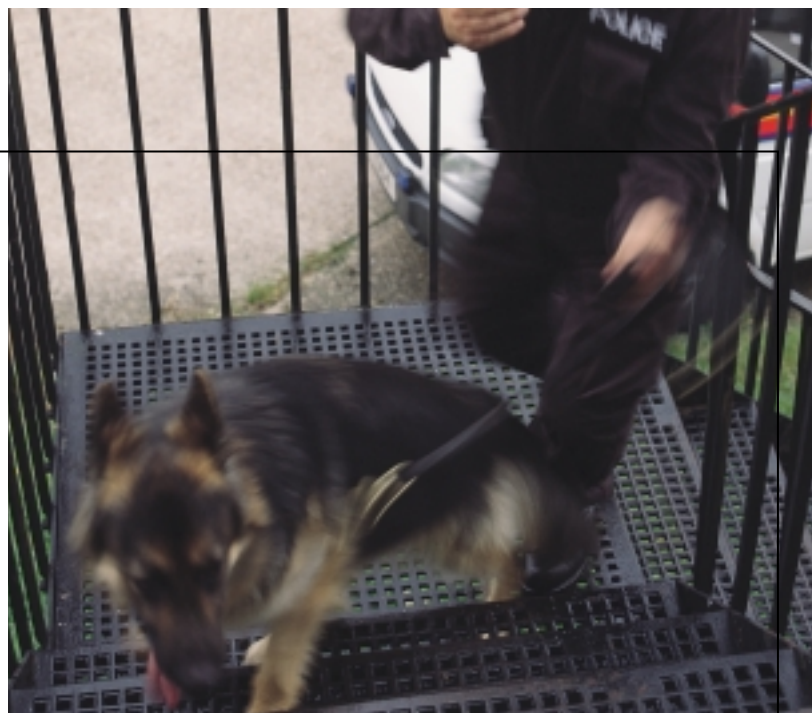
[See our separate brochure for additional accessories].

#### **SIMULTANEOUS VOICE AND DATA – IN ONLY ONE DEVICE!**

Increase your effectiveness through a reduction in voice traffic – fast data transactions act as a substitute for time consuming, verbal communications.

In today's world, data communication is rapidly replacing voice communication. You can now benefit from a wealth of available I.T. applications designed to help you improve efficiency, access information on remote databases or send and receive video or fingerprint information without the need to return to your office. In addition, Automatic Vehicle Location (AVL) applications can track and manage fleets of vehicles over a wide area.

[See our new applications partner brochure for many additional solutions].



The reliable messaging facility on both radios ensures critical messages get through, even if other users are engaged in a voice call; and the larger graphical display makes it even easier to read important data and messages.

The separate accessory interface, located on the bottom of the radio is designed to allow you to talk and send / receive vital information simultaneously. You can continue with important calls, without the need to disconnect and reconnect, reassured that in the case of an emergency, you are 'always connected'. All of this in one device!

### **EXTENDED OPERATION EVEN WHEN YOU'RE OUT OF NETWORK COVERAGE**

Our Direct Mode Operation (DMO) capability ensures your MTP700 and MTM700 will function even when you are outside the network coverage area so you can communicate further afield. The Remote Signal Strength Indicator gives the reassurance to switch between Trunked Mode Operation (TMO) and DMO when most appropriate.

### **INTEGRATED ENCRYPTION FOR PEACE OF MIND & SECURITY OF YOUR VOICE & DATA COMMUNICATIONS**

As we recognise the value of a high level of security in your communications, we have equipped both the MTP and MTM700 with advanced Air Interface Encryption. This prevents interception of your speech and data communications; provides valuable protection against replay and impersonation attacks, and prevents traffic analysis from identifying key user groups.

Should the radio fall into the wrong hands, it can be enabled / disabled over air. A pin code further prevents unwanted access to the radio.



### **EXTREMELY DURABLE AND RUGGED**

In addition to the enhanced functionality of our 2nd generation radios, we've still maintained our tradition of manufacturing products that deliver excellent communications, even in the toughest applications. Our MTP and MTM700 are manufactured to IP54 standard and our MTM700 Motorcycle/vehicle control head is manufactured to IP57 standard. All radios go through our Accelerated Life Test as part of the product development process and they all meet MIL810 C/D/E specifications so they stand up to rigorous conditions [water, dust, shock, vibration, solar radiation] along with any other irregular uses they are put to!







**MTM700 – A TOUGH NEW SUCCESSOR FOR OUR AWARD WINNING 1ST GENERATION MOBILE (MTM300)**

Five different variations of the MTM700 are available to suit specific operational needs: the dashboard mount, remote mount, desktop mount, motorcycle / vehicle version and data box.

High performance data capability with short and packet data connectivity enables the MTM700 to interface fully with external devices, facilitating a wide range of value added applications. The data box version has been specifically developed to provide easy interconnectivity for data applications. From simple telemetry applications like alarm systems which let the base know of any intruders on sites, to more complex systems such as a specifically designed user interface for transit which connects to the MTM700's expansion connector for full radio control.

**Motorola, the driving force behind TETRA based solutions.**

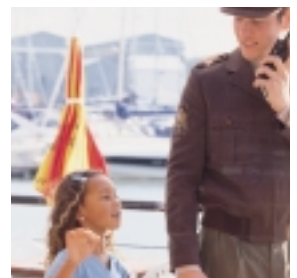
*Motorola is committed to providing communications that you can rely upon whatever the environment. We are a driving force behind the implementation of the TETRA technology and standard, and were amongst the first in the world to develop a TETRA handset, then a rugged version. We are now international leaders in their supply. Motorola is a leading supplier of TETRA systems and have won a number of prestigious TETRA awards.*

*Proven in the harshest applications, Motorola products have earned their brand leading reputation. Performance, reliability, durability and design are all at the epicentre of Motorola's TETRA portfolio.*

*If it's Mission Critical, it's Motorola*

*The remote version [motorcycle or other vehicle] will give strong, reliable performance in any vehicle be it motorcycle, boat, fire engine...*

The MTM700 can also be operated in 'hands-free' mode using a foot or steering wheel PTT. It has full hands-free duplex with sophisticated echo cancelling mechanism to ensure the same, clear and distinct speech quality produced from the portable.





MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. All other product or service names are the property of their respective owners.  
© Motorola, Inc. 2001.

For further information, contact your Motorola sales manager or visit our web site at:  
[www.motorola.com/TETRA](http://www.motorola.com/TETRA)