



COMMUNICATIONS MADE SIMPLE

DIMETRA EXPRESS





DIMETRA EXPRESS COMMUNICATIONS MADE SIMPLE



DIMETRA
EXPRESS MTS4
TETRA SYSTEM



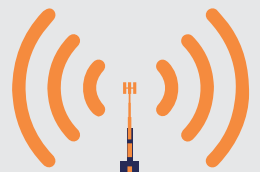
DIMETRA
EXPRESS MTS2
TETRA SYSTEM



DIMETRA
EXPRESS MTS1
TETRA SYSTEM



DIMETRA
EXPRESS
STANDALONE
TETRA SYSTEM



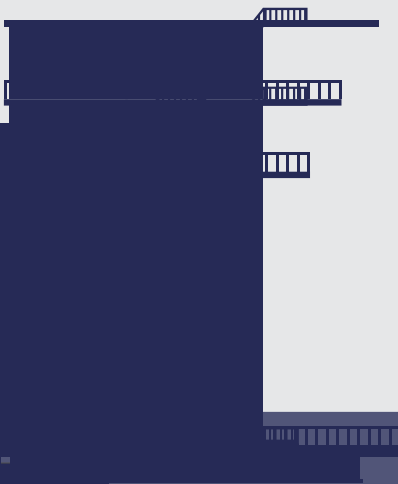
BUSINESS IS COMPLICATED ENOUGH. SHOULDN'T OWNING AND OPERATING YOUR COMMUNICATION SYSTEM BE SIMPLE?

We think so. Introducing DIMETRA Express, a flexible TETRA system. By integrating the switch and base radios in a one-box or modular system, it's now quick and easy to set up, deploy, and manage your communications. You simplify everyday operations while reducing costs and complexity over the long term.

Quickly integrate DIMETRA Express into your network using a single IP address. Provision multiple subscribers at once using one simple bulk upload. And complete installation in no time using convenient, browser-based apps and tools. Once it's up and running, DIMETRA Express is easy to manage and operate through web-based network management and dispatch applications.

DIMETRA Express offers the voice, short data, and telephony services your teams demand. And it's expandable to multiple sites, so it can grow as your business does.

Best of all, you get peace of mind knowing it's from Motorola Solutions—a leader in TETRA technology with a track record of more than 20 years providing robust, reliable DIMETRA communication solutions.





SIMPLE SYSTEM MANAGEMENT

SYSTEM MANAGEMENT IS EASY USING WEB-BASED TOOLS, INCLUDING A SYSTEM HEALTH MONITOR AND SIMPLE DISPATCH APPLICATION.

All you need is a PC or tablet running Android™ or Windows® and a browser. Then enjoy support for web-based text messaging, which allows teams to send short or pre-set messages that boost efficiency in the field.



FLEXIBLE SOLUTION

WITH THE SWITCH AND BASE RADIOS INTEGRATED IN A ONE-BOX OR MODULAR SYSTEM, DIMETRA EXPRESS IS EASY TO SETUP AND INSTALL.

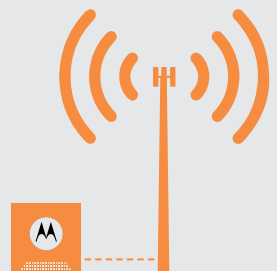
It features a small physical footprint, so it requires less space and power, and has fewer components. The result? You reduce total cost of ownership, and focus on your business instead of your communications system.

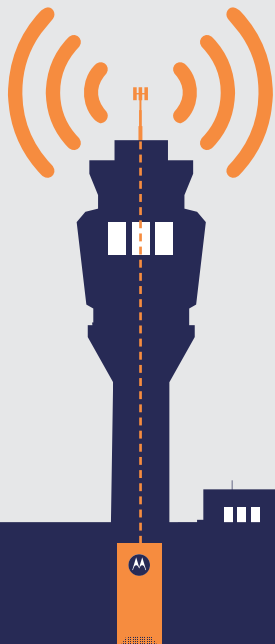


COMPLETE COMMUNICATIONS

ORGANISATIONS TODAY DEMAND MORE THAN JUST TALK. THEY REQUIRE MANY TYPES OF VOICE AND DATA COMMUNICATIONS TO GET THE JOB DONE.

That's why DIMETRA Express enables voice, short data, and telephony services. You get loud and clear voice communications for safe day-to-day operations. Text messaging for times when your team needs quick information. And the ability to make VoIP telephone calls outside the network, such as calls to other locations or organisations, senior management, or emergency services.





DEPLOY IN MINUTES

WE'VE MADE DIMETRA EXPRESS EASY TO SET UP, CONFIGURE, AND INSTALL, SO YOU CAN GET YOUR TEAMS GOING FASTER.

In fact, you can now deploy the system in less than 15 minutes with a simple installer. Using a single IP address, you can quickly integrate DIMETRA Express into your existing network. And with bulk provisioning of subscribers, you can set up radio users in no time. What's more, DIMETRA Express is ready for the future. All it takes is a simple step to upgrade the system software.

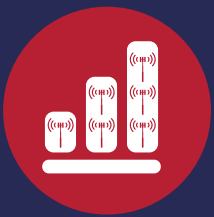




BUILT-IN CONFIDENCE

ROBUST AND RELIABLE, YOU CAN DEPEND ON DIMETRA COMMUNICATIONS TO BE THERE FOR YOUR TEAM WHEN THEY'RE NEEDED THE MOST.

As a world leader in TETRA, we offer a comprehensive portfolio of solutions that are integrated and tested together—from switches and base stations to radios and accessories. Our aim is to provide you with peace of mind through world-class product quality and support.



GROWS WITH YOU

DIMETRA EXPRESS IS DESIGNED TO EXPAND AS YOUR NEEDS DO.

Easily add base radios to a site and get additional channels for more capacity. Or add another site to broaden your coverage area. You can even deploy the system as a temporary solution—whether for an event or in an emergency—changing frequencies and adding new subscribers so radios stay connected and working.



KEY FEATURES

- Flexible DIMETRA TETRA solution in one-box or modular system
- Easy-to-set-up and configure with web-based system installer
- Digital radio voice services
- Integrated short data services
- VoIP telephony interconnect services
- Intuitive web-based network management application
- Simple web-based dispatch application
- Easy-to-use web-based system health monitor
- Simple web-based radio control manager
- Efficient web-based text messaging application
- Easy network integration with a single IP address
- Robust and reliable digital radio communications
- Cost effective communication solution
- Easily expandable to additional sites

SPECIFICATIONS

Configurations	DIMETRA Express MTS1 and Express Server: 1-2 Base Radios (4 -8 Time Slots) DIMETRA Express MTS2: 1 Base Radio (4 Time Slots) DIMETRA Express MTS4: 1 to 3 Base Radios (4 to 12 Time Slots) DIMETRA Express Standalone System
TETRA Voice Services, including Group, Individual and System Wide Calls	
Short Data Services including interface to customer enterprise network	
VoIP Telephony Interconnect	
Authentication	
Air Interface Encryption (AIE)	
Geographic Redundancy	
Dispatch Console API	
Voice Logging API	
Web-Based Network Management*	Basic and Advanced view option Real-Time System Health Monitor Bulk loading of radio users and talkgroups
Web-Based Dispatch Console*	Group PTT Individual Call Emergency Alarm Text Messaging
Web-Based Radio Control Manager*	Dynamic Group Number Assignment (DGNA) Radio Stun
Remote service access (VPN)	
Expandable to additional sites with DIMETRA MTS1, MTS2 or MTS4 Base Stations using Ethernet IP network site links	
2000+ subscribers	
Physical Dimensions [HxDxW]	MTS1: 0.597m x 0.206m x 0.263m MTS2: 0.61m x 0.48m x 0.45m MTS4: 1.43m x 0.57m x 0.55m Express Server: 0.079m x 0.175m x 0.260m
Weight	MTS1: 25.5 kg (Excluding Mounting bracket and Express Server) MTS2: App. 45kg for portability MTS4: App. 148kg fully equipped Express Server: App 3.8Kg
Dual and Triple Receiver Diversity options (MTS1 Dual Diversity Only)	
Hybrid Combiner Auto Tune Cavity Combiner: MTS4 only	
Wide Frequency range	MTS1, MTS2, MTS4: 350-470 MHz MTS2, MTS4: 350-470 MHz and 806-870 MHz
Receiver Sensitivity	MTS2 and MTS4 350-470 MHz: 120.5 dBm typical (static at 4% BER) 114.0 dBm typical (faded at 4% BER) MTS2 & MTS4 806-870 MHz: 120 dBm typical (static at 4% BER) 113.5 dBm typical (faded at 4% BER) MTS1 350-470 MHz: 119.5 dBm typical (static at 4% BER) 113 dBm typical (faded at 4% BER)
Operating Bandwidth: 5 MHz	
Transmit Power: 5 Watt to 40 Watt (configurable), (MTS1 1 Watt to 10W - Configurable)	
Temperature Range: -30 to +60C (MTS1 -30 to +55C)	
Input Power	MTS1, MTS2 and MTS4: 100/115/230VAC, 50/60Hz, and 48VDC Express Server: 100-240VAC, 50/60Hz (external power adapter) and 6V to 36VDC
Power Consumption	MTS1: 75 to 100 Watt MTS2: 450 Watt maximum when fully equipped MTS4: 1100 Watt maximum when fully equipped Express Server: 60 Watt maximum consumption
Top cable entry and bottom to top cooling airflow allows the cabinet to be placed up against a wall or neighbouring equipment, saving additional space (MTS2 and MTS4 only)	
Full Front Access and top cable entry for easy maintenance (MTS2 and MTS4 only)	
Remote transmit antenna monitoring as standard for improved availability	
MTS1 Outdoor sealing kit option	

* Web based applications for Microsoft Windows and Android devices (using Chrome Browser)

For more information, please visit: motorolasolutions.com/dimetraexpress

Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, UK.

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. ©2018 Motorola Solutions, Inc. All rights reserved. 0918