MOTOTRBO™
TWO-WAY RADIO SYSTEMS
AT A GLANCE
BE SAFER, MORE EFFICIENT AND MORE PRODUCTIVE WITH THE POWERFUL DIGITAL PERFORMANCE AND ADVANCED CAPABILITIES OF MOTOTRBO.
DISCOVER WHAT MOTOTRBO CAN DO THROUGHOUT YOUR ORGANISATION

Two-way radios are the go-to technology for companies around the world – connecting people wherever they need clear, instant and reliable communications. MOTOTRBO is a portfolio of analogue and digital two-way radios that enable voice and data communications. It combines the best of two-way radio functionality with the latest digital technology for instant communication, easy decision-making and seamless coordination.

MOTOTRBO brings all the benefits of push-to-talk communications in an incredibly powerful tool that takes productivity, efficiency and safety to a whole new level. MOTOTRBO is truly the next generation of business communications.

HEAR AND BE HEARD CLEARLY IN NOISY ENVIRONMENTS
Superb audio quality on MOTOTRBO ensures crystal-clear communications. The Intelligent Audio feature automatically adjusts radio volume up and down in response to the level of noise in the workplace. And with MOTOTRBO’s background noise suppression, you can be confident communication is loud and clear.

REACH YOUR WORKFORCE WHEREVER THEY GO
Hear calls clearly over a greater range. MOTOTRBO digital voice delivers voice integrity and clarity to the limits of coverage. And thanks to DMR TDMA technology, MOTOTRBO delivers twice the call capacity of analogue radios so more workers can use voice and data, without worrying about privacy or interference.

KEEP COMMUNICATING FOR LONGER
Because MOTOTRBO radios use much less power in digital mode than analogue, batteries last significantly longer on a single charge.

CHOOSE THE RIGHT SOLUTIONS FOR THE RIGHT USERS
Whether you want ultra-light portables or extra-tough mobiles, integrated Bluetooth® or industry-leading data applications, MOTOTRBO has the right devices and systems to fit your workforce now, and allow you to evolve as your enterprise grows.

MOVE FROM ANALOGUE TO DIGITAL WITH EASE
Migrate at your own pace, one talk group or department at a time. MOTOTRBO radios operate in both analogue and digital mode, so you can use them on your existing analogue system and move to digital when you’re ready – all while running operations smoothly.

GET ADVANCED CAPABILITIES AND BUSINESS-CRITICAL FEATURES
MOTOTRBO has innovative features such as Transmit Interrupt, which lets you prioritize communication the moment it’s needed. Man Down and Lone Worker applications call for help when personnel can’t. GPS location tracking monitors vehicles, assets and the user in real time.

LEVERAGE EXPERT APPLICATIONS THAT GET THE JOB DONE EFFICIENTLY
MOTOTRBO fits the way businesses run today, with an expert Application Developer Programme that helps you customize your communication solution to your environment and workforce. Solutions range from text messaging and GPS tracking to personnel monitoring and work order ticket management. Applications like these make it easier to accomplish multiple tasks on a single device.

KEEP CONNECTED WHEN CONDITIONS ARE TOUGHEST
MOTOTRBO is made to last. Our rugged, waterproof and intrinsically safe radios endure a rigorous Accelerated Life Testing (ALT) Programme which simulates up to 5 years of field use. We design and engineer MOTOTRBO products to survive the harsh conditions of everyday business.

DISCOVER WHAT MOTOTRBO CAN DO THROUGHOUT YOUR ORGANISATION
SL4000e SERIES
SLEEK AND SMART FOR THE BUSINESS LEADER WHO NEEDS COMPLETE CONTROL
Stay instantly connected and in control with the incredibly thin, light portable that is the ultimate in discreet communications. Versatile and powerful, the SL4000e Series is packed with features to help you direct operations. From integrated Wi-Fi® and Bluetooth 4.0, to a user interface designed for the latest workforce management applications, the SL4000e Series has everything you need to boost safety and productivity.

COMPATIBLE WITH: IP SITE CONNECT, CAPACITY PLUS, CAPACITY MAX, CONNECT PLUS

DP3441e
BIG PERFORMANCE FROM A SMALL, RUGGED AND WATERPROOF RADIO
Incredibly compact and exceptionally rugged, the MOTOTRBO DP3441e is the perfect solution for the professional on the move. It fits comfortably in your hand, integrates voice and data seamlessly and is loaded with all the benefits of the latest digital technology – superb audio quality, amazing clarity, outstanding coverage, long-lasting battery life and more: all packaged in a robust and waterproof IP68-rated form factor.

COMPATIBLE WITH: IP SITE CONNECT, CAPACITY PLUS, CAPACITY MAX, CONNECT PLUS

DP4000 Ex SERIES ATEX-CERTIFIED
SPECIALISED PRODUCTS FOR POTENTIALLY EXPLOSIVE AREAS
The DP4401 Ex and DP4801 Ex are ATEX and IEC Ex certified for use in potentially explosive environments. They have a comprehensive feature set, and have blue colouring for easy identification. The radios are available with a dedicated portfolio of ATEX certified accessories.

COMPATIBLE WITH: IP SITE CONNECT, CAPACITY PLUS, CAPACITY MAX, CONNECT PLUS

DP4000e SERIES
POWERFUL AND SOPHISTICATED, FOR THE PROFESSIONAL WHO REFUSES TO COMPROMISE
When you need complete connectivity, the DP4000e Series delivers. It offers a full set of features and rich functionality in one powerful device including superb audio quality, long battery life, full colour display, built-in Bluetooth 4.0, integrated Wi-Fi, GPS/GLONASS and text messaging. A TIA4950-certified version is also available for use in hazardous environments.

COMPATIBLE WITH: IP SITE CONNECT, CAPACITY PLUS, CAPACITY MAX, CONNECT PLUS
DP2000e Series
**Scalable Portable for the Busy Worker Who Needs to Communicate Efficiently**
The DP2000e Series offers a feature-set geared to maximum workplace efficiency. Enhanced audio quality, impressive battery life, longer range, Intelligent Audio and voice announcement give easy, effective communication in challenging environments. With analogue and digital capabilities and the ability to expand features with a simple software upgrade, you can transition to digital when you’re ready. A TIA4950-certified version is also available for use in hazardous environments.

Compatible with: ✅ IP Site Connect ✅ Capacity Plus ✅ Capacity Max ✅ Connect Plus

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SL1600
**Ultra-Portability for the User Who Needs Easy Connectivity**
Discover freedom with this slim, lightweight radio. Advanced technology brings high performance with intuitive operation and the eye-catching Active View display combines ruggedness and simplicity with long battery life. A versatile range of carry options allow you to stay connected and free to focus on the job at hand.

Compatible with: ✅ IP Site Connect ✅ Capacity Plus ✅ Capacity Max ✅ Connect Plus

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DP1400
**Simple Voice Communications for the Everyday User Who Wants to Stay Connected**
Connect your workforce efficiently and affordably and make the move to digital as your business grows. The DP1400 two-way analogue/digital radio provides great voice communication now, or buy the analogue-only model to integrate into your existing system and software-upgrade to digital when you’re ready. It features superior audio quality, outstanding coverage and long battery life.

Compatible with: ✅ IP Site Connect ✅ Capacity Plus ✅ Capacity Max ✅ Connect Plus

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DM4000e Series
**Powerful and Sophisticated, for the Professional Who Refuses to Compromise**
The DM4000e Series offers a full set of features and rich functionality in one powerful device. It delivers excellent range, superb audio quality, optional full colour display, integrated Bluetooth 4.0 and Wi-Fi, GPS/GLONASS, text messaging and expert applications customised to your business.

Compatible with: ✅ IP Site Connect ✅ Capacity Plus ✅ Capacity Max ✅ Connect Plus

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DM2600
**Affordable Voice Communications for the Busy Professional Who Wants Better Connectivity**
The power of digital is within reach. The DM2600 mobile features integrated voice systems capability, twice the calling capacity and clearer voice communications. With Intelligent Audio, drivers don’t need to adjust radio volume to avoid missing a call: the DM2600 monitors background noise and automatically adjusts itself.

Compatible with: ✅ IP Site Connect ✅ Capacity Plus ✅ Capacity Max ✅ Connect Plus

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DM1000 Series
**Simple Voice Communications for the Everyday User Who Wants to Stay Connected**
Make sure drivers communicate without distraction. DM1400 and DM1600 mobile radios are ideal for keeping your people reliably and cost-effectively connected so they can communicate, coordinate and collaborate. They offer all the benefits of digital plus business-critical features, such as Transmit Interrupt (decode only) to prioritize critical communication.

Compatible with: ✗ IP Site Connect ✗ Capacity Plus ✗ Capacity Max ✗ Connect Plus

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ACCESSORIES

From discreet earpieces to efficient battery solutions, our complete portfolio of accessories optimise the performance of your MOTOTRBO radio. They are designed to help you perform at your best, wherever you work, and unleash the power of the industry’s most advanced digital radio platform.

EARPIECES
Transmit and receive discreetly with a variety of earpieces that feature a streamlined design and rugged cables that withstand tough conditions. With inline push-to-talk and microphones, they’re easy to use on the go. Our flexible array of surveillance kits includes two-wire kits (one wire for receiving, one wire for transmitting) and more discreet three-wire kits (separate wires for transmitting, receiving and push-to-talk).

HEADSETS
Protect hearing and facilitate communications in noisy or ATEX environments. Select from a wide range of comfortable, durable, lightweight to heavy-duty headsets with noise-cancelling boom microphones and in-line push-to-talk controls. Temple transducer headsets rest on your temple to convert audio into sound vibration and transmit it to your inner ear. You hear your radio and sounds in the surrounding environment and since the transducer sits in front of your ears, you can also wear earplugs or a helmet.

BLUETOOTH WIRELESS FOR PORTABLE AND MOBILE RADIOS
Unleash the power of your MOTOTRBO radio without wires getting in the way. Our extensive suite of Bluetooth accessories free you to take the radio off your belt, leave your vehicle or step away from your desk (up to 10 metres / 30 feet away) and stay connected. Choose from covert earpieces, heavy duty wireless headsets, RSMs and Operations Critical Wireless solutions that let you move without constraints around the workplace.
BATTERIES AND CHARGERS
Motorola's batteries are developed, tested and certified for optimal performance with your MOTOTRBO radios and they outperform other brands even at temperatures as low as -30 degrees C. Reduce the number of spare batteries you buy with Motorola’s unique IMPRES™ technology. IMPRES batteries can be charged 150 additional times versus a standard battery – a 43% increase in charge cycles. Get the most out of every battery and eliminate the surprise of “low battery alerts” with IMPRES chargers. Choose from single-unit, multi-unit and travel chargers and be confident your radio is ready when you need it. With the IMPRES Battery Fleet Management app, you can even automatically collect battery information over the air while radios are in use, making battery management easier than ever.

REMOTE SPEAKER MICROPHONES
Communicate clearly in loud workplaces. Remote speaker microphones (RSMs) have exclusive audio features for windy outdoor environments (windporting) and noisy environments (noise-canceling). IMPRES audio ensures your voice is heard louder and more clearly regardless of how you speak into the accessory. The INC RSM suppresses extreme noise (high decibel equipment, heavy machinery) so you can be heard above all.

MOBILE RADIO MICROPHONES
Choose microphones designed to keep workers safely connected on the move. Keypad microphones let you easily navigate menus on your radios, dial phone numbers and send text messages. The heavy-duty microphone is easy to use while wearing gloves, and the telephone-style handset is ideal for discreet communication. You can stay in touch up to 100 metres from your mobile radio using the Long Range Wireless Remote Speaker Microphone that pairs instantly to the mobile microphone with Bluetooth gateway.

CARRY SOLUTIONS
Carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly. Our carry accessories keep your hands free, so you can concentrate on the task at hand. Choose from a wide range of nylon cases, leather cases, straps, holsters and clips, all designed to keep your radio protected, yet still easy to access.

INSTALLATION AND MOUNTING KITS
Mount your radio on a desk or in your vehicle without compromising safety. Mounting kits give you the flexibility to mount the radio under or in your dashboard, between seats or on the floor. Remote mount kits allow you to mount the radio in the boot or under a seat when dash space is limited.
INFRASTRUCTURE

Repeters, controllers and gateways are the backbone of your MOTOTRBO two-way radio system. They ensure your radio network is available at all times and that communications are clear, reliable and secure across your enterprise.

SLR 5500 REPEATER
A next-generation MOTOTRBO DMR repeater, the SLR5500 offers high performance and high efficiency. 50W continuous-duty output and high sensitivity give optimum coverage, with high reliability and low power consumption for reduced cost of ownership. With a slim 1U modular design, the repeater is easy to install or service and dynamic mixed mode will automatically switch between digital and analogue performance.

SLR8000 REPEATER
Extend coverage and capacity easily with the 100W continuous-duty SLR8000 base station/repeater. Built on the slim next-generation platform, this repeater has high sensitivity for exceptional coverage, supports both analogue and digital operation and its modular design optimises reliability.

CAPACITY MAX SYSTEM SERVER
As part of the next-generation Capacity Max trunking solution, the System Server hosts control and management functions. Each server can support up to 100 voice/data talkpaths. Redundant servers can be provisioned to increase system resilience.

CONNECT PLUS XRC 9100 CONTROLLER
Deliver greater coverage and information to mobile teams. The XRC 9100 supports single or multi-site Connect Plus systems and handles up to 29 voice and data talk paths (2,900 users) per site. Queue calls during busy times until an open channel is available and assign important users priority status when the system is in high demand.

CONNECT PLUS XRT 9100 GATEWAY
Reach your large workforce in the field efficiently. The XRT 9100 links Connect Plus with an IP-based wire-line console for centralised dispatch. From a single site to a large multi-site system, it ensures calls come through, even when traffic is high, and manages up to 100 talk paths and 30 simultaneous calls.

CONNECT PLUS XRI 9100 INTERCONNECT GATEWAY
With the MOTOTRBO Connect Plus Telephone Interconnect feature, you can connect your staff to people inside and outside your business, on their fixed or mobile phones. Handle customer queries direct, and manage inter-company transactions seamlessly. The MOTOTRBO Connect Plus XRI 9100 Interconnect Gateway improves your efficiency and responsiveness.

WAVE 3000 SERVER
Get robust and secure management of your client accounts. The WAVE 3000 Server provides the interface between public cellular networks and the MOTOTRBO radio network for secure centralised configuration, flexible client management, call history, upgrades and diagnostics.
SYSTEMS

No matter how large or small your organisation, MOTOTRBO offers a wide range of systems specifically designed for your business. And because MOTOTRBO systems are easily scalable, they can meet your needs in the days ahead and expand if necessary in the years beyond. You get the best of two-way radio with digital technology and enjoy integrated voice and data communication, increased capacity, enhanced features and exceptional voice quality, across the city and around the globe.

SINGLE SITE CONVENTIONAL
BASELINE SINGLE SITE CAPACITY AND COVERAGE
A conventional system can operate with direct radio-to-radio communications or radios can communicate via a repeater, giving better coverage. The Digital Voting option allows a network of repeaters to be interconnected to offer even greater coverage for wide areas and difficult geographies.

IP SITE CONNECT
COST-EFFECTIVE COVERAGE FOR MULTIPLE SITES
Use your IP network to extend the voice and data capabilities of MOTOTRBO by linking repeaters together. You can create a continuous network that covers employees at 15 geographically-dispersed locations. You can also link up to 15 sites to create wide area coverage or enhance coverage at a single site that has physical barriers.

CAPACITY PLUS (SINGLE- AND MULTI-SITE)
COST-EFFECTIVE COVERAGE AND CAPACITY FOR SINGLE AND MULTIPLE SITES
Expand the capacity and extend the coverage of MOTOTRBO with this single- or multi-site digital trunking system. Connect up to 15 sites, each with up to 8 voice and data repeaters plus up to 12 dedicated data repeaters, to keep employees at many locations affordably connected.

CAPACITY MAX
COVERAGE, CAPACITY AND CONTROL FOR SINGLE AND MULTIPLE SITES
The next generation of trunking has arrived. MOTOTRBO Capacity Max blends innovation with Motorola’s extensive real-world experience of trunked radio systems to deliver a scalable, centralised communications solution that’s perfect for your business. Includes ETSI DMR Tier III compliant mode.

CONNECT PLUS
EXCEPTIONAL COVERAGE FOR SINGLE AND MULTIPLE SITES
Unify your entire enterprise with this scalable, multi-site digital trunking system that coordinates resources using a dedicated control channel. Calls can be queued during busy times until an open channel is available, important users can be assigned priority status, and a three-level check helps to prevent unauthorized users from accessing the system.
With options designed for your business, this portfolio of control room solutions has the features you need to make quick decisions, mobilize a fleet and keep teams informed.

**TRBOnet PLUS**
With TRBOnet PLUS, operators can monitor audio, data and asset location, as well as provide record management and review events that have taken place. It's easy to track staff and key assets on a live map, send and receive private text messages to personnel in the field and respond quickly and effectively to emergency situations. Dispatchers can also link multiple agencies or departments with a single touch for even greater flexibility.

**SmartPTT PLUS**
SmartPTT PLUS provides a flexible range of services to dispatchers, executives and team leaders, helping them manage their fleet and optimise productivity of workers and assets. The customisable user interface with hot keys enables quick and easy control. Monitor audio, data and asset location, access up-to-the-minute records and review events. Track staff and send or receive private text messages to personnel in the field for a quick response to emergencies.

Products bearing the “Motorola Solutions Sold and Supported” logo are premium products developed by Motorola Solutions partners to fulfill critical functions in MOTOTRBO systems. These products are tested and integrated in direct cooperation with Motorola. They are sold through Motorola Channel Partners and supported through Motorola’s customer service teams.

**CUSTOMISED SOLUTIONS TO MEET SPECIFIC USER NEEDS**
Combine radios, infrastructure, accessories and applications.
WAVE™ WORK GROUP COMMUNICATIONS

With wireline integration to MOTOTRBO systems, WAVE Work Group Communications lets your mobile and office workers connect with simple, secure and affordable broadband push-to-talk (PTT), wherever they are.

WAVE 3000
EXTEND MOTOTRBO TO SMARTPHONES AND TABLETS
WAVE 3000 delivers instantaneous and secure broadband PTT communications for small to medium businesses. Whether you’re communicating with MOTOTRBO radio users or with other smartphone users, WAVE 3000 makes it simple. WAVE 3000 can be integrated with your MOTOTRBO Connect Plus and Capacity Plus systems, but can also be used as a standalone broadband PTT solution where radios are not required.

TURN YOUR APPLE OR ANDROID DEVICE INTO A MULTI-CHANNEL PTT HANDSET
Not everyone needs or wants to carry a radio handset. But they do want instant, secure access to important communications wherever they are. With a WAVE Mobile Communicator installed on a smartphone, tablet or custom handheld, any user can access MOTOTRBO communications from any location, talking with groups of other users or individuals as required.

WAVE 5000
INTEGRATE MOTOTRBO WITH ENTERPRISE IT AND EXTEND TO PCs, TELEPHONY, SMARTPHONES AND TABLETS
WAVE 5000 enables highly scalable, feature rich, enterprise grade PTT on broadband networks and devices so that critical, time-sensitive information flows quickly and securely between mobile workers, teams and citizens.

From two-way radios to smartphones, laptops to landlines, tablets to rugged handhelds, WAVE 5000 lets your users use the devices they already have and the networks they already subscribe to connect and talk to others both inside and outside of your communications environment. Wireline or donor radio integrations with MOTOTRBO ensure system scalability and deployment flexibility.

WAVE MOBILE COMMUNICATOR FOR WAVE 3000 AND WAVE 5000

GROUP CALL
PRIVATE CALL
MAPPING
GROUP TEXT

WAVE COMMUNICATORS
ENABLE YOUR WORKFORCE TO CONNECT AND COLLABORATE
Whatever the device or available network, WAVE has client applications that meet the needs of all types of users. Called WAVE Communicators, these applications provide the user interface to a WAVE communications system.

Define and manage your MOTOTRBO communications environment with WAVE Advanced Desktop Communicator.

Give authorized PC users controlled access to MOTOTRBO communications channels with the WAVE Desktop Communicator.

With WAVE Web Communicator you can use a web browser to access your MOTOTRBO radio channels.
MOTOTRBO APPLICATIONS

With a wide range of applications and an expert Application Developer Programme, MOTOTRBO offers custom solutions that truly meet your business needs. Business-specific applications like these increase the level of efficiency, safety and productivity throughout your enterprise.

**LOCATION**
Track your vehicles and your staff for improved safety, security and accountability. These applications allow you to make the most of MOTOTRBO’s GPS and GLONASS capabilities to track assets over wide areas outdoors, and use beacons to track indoors.

**VOICE DISPATCH**
Control your mobile workforce from a centralised location. Dispatchers can be notified each time a radio is turned on and display a comprehensive view of who is available and who is not. GPS coordinates allow the dispatcher to immediately see where the user is on a map.

**WORK ORDER MANAGEMENT**
Manage workflows directly on the radio. Mobile workers can notify dispatch when the job is done, letting you track cycle time. Resolve customer issues faster, speed up response time and use your workforce more efficiently.

**ALARM MANAGEMENT**
Be alerted and respond rapidly with tracking applications that can monitor and remotely operate doors, gates, lights, sprinklers and more.

**INTEROPERABILITY SOLUTIONS**
Interoperate seamlessly and efficiently with other radio systems, telephony systems and mobile computing devices. Patch private calls, group calls and All Calls.

**PERSONNEL SAFETY**
Increase the safety and accountability of your staff by deploying these applications. Features such as Man Down and Lone Worker can be linked to indoor and outdoor location services for maximum effectiveness.

**SYSTEM MONITORING**
Stay in control of your communication system, with applications that track performance by site, channel, slot and talkgroup. Send automatic alerts to system administrators, and generate reports for long term trend analysis.

**TEXT MESSAGING AND EMAIL**
Quickly and easily share information when voice communication isn’t practical. Send messages or directions that don’t need an immediate response, or when voice calls are disrupting to employees in the field or on the road.
SERVICES

Ensure and maintain the robust performance of your MOTOTRBO radios with a complete suite of services. We’ve got you covered, from pre-installation to post-implementation, with expert support to make sure your business runs without interruption, disruption or unplanned downtime.

SERVICE FROM THE START (SFS)
This multi-year repair programme offers you a choice of normal wear and tear or comprehensive coverage. No matter what happens to your MOTOTRBO device, you’re covered.

PROGRAMMING SERVICES
These on-site or remote consultative technical support services optimize the operational efficiency of MOTOTRBO. They are ideal for programming and configuring MOTOTRBO systems and devices at the time of installation.

RF COVERAGE MAPPING SERVICE
These informational RF coverage maps increase the efficiency of the MOTOTRBO system during the design and deployment phase.

SITE INTEGRATION SERVICE
This on-site or remote consultative technical support service is ideal for integrating MOTOTRBO systems into your existing infrastructure. It reduces time during system deployment.

INFRASTRUCTURE REPAIR/ INFRASTRUCTURE REPAIR WITH ADVANCED REPLACEMENT
This service provides expert repair of MOTOTRBO Controller (XRC) and Gateway (XRT) devices. As an option, you can receive a next-business-day replacement unit to minimize system downtime.

IP NETWORKING
This on-site or remote consultative technical support service maximizes your system’s uptime. It validates and optimizes the IP network and site connectivity of your MOTOTRBO system during integration.
## MOTOTRBO™ PORTABLE RADIO FEATURES

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<tr>
<td>Protocol</td>
<td>DMR digital or analogue communication</td>
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<tr>
<td>Frequency Range</td>
<td>Capable of operating in the following frequency ranges</td>
</tr>
<tr>
<td>Max. Power Output</td>
<td>Radio’s full power rating</td>
</tr>
<tr>
<td>Max. Channel Capacity</td>
<td>Programmable channel capacity</td>
</tr>
<tr>
<td>Display</td>
<td>Displays provide easy access to advanced features</td>
</tr>
<tr>
<td>Keypad</td>
<td>Keypads provide access to radio controls, texting and telephony</td>
</tr>
<tr>
<td>Integrated Wi-Fi</td>
<td>Enables remote update for easier radio management</td>
</tr>
<tr>
<td>Integrated GPS</td>
<td>Embedded GPS receiver for location monitoring</td>
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<tr>
<td>Embedded GLONASS</td>
<td>Embedded GLONASS receiver for location monitoring</td>
</tr>
<tr>
<td>Integrated Bluetooth Capability</td>
<td>Wireless connection for audio accessories or data comms</td>
</tr>
<tr>
<td>Permanent Bluetooth Disable</td>
<td>“Always on” mode used by some location tracking applications</td>
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<tr>
<td>Quick Call II Signalling</td>
<td>Analogue Quick Call II compatible</td>
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<tr>
<td>MDC Signalling</td>
<td>Analogue MDC compatible</td>
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<tr>
<td>IMPRES Audio Compatible</td>
<td>Supports option board for third-party applications</td>
</tr>
<tr>
<td>IMPRES Energy Compatible</td>
<td>Use IMPRES batteries for longer life and optimal performance</td>
</tr>
<tr>
<td>MPT1327 Signalling</td>
<td>Analogue MPT1327 compatible (requires option board)</td>
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<tr>
<td>MTP1327 Ex Certificated</td>
<td>Certified for use in potentially explosive environments</td>
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<tr>
<td>PL/DPL Signalling</td>
<td>Analogue Private Line / Digital Private Line compatible</td>
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<tr>
<td>ATEX / IEC Ex Certified</td>
<td>Certified for use in potentially explosive environments</td>
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<tr>
<td>FM Intrinsically Safe</td>
<td>Factory Mutual (FM) approved for intrinsically safe use</td>
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<tr>
<td>IP Rating</td>
<td>Radio meets dust and water ingestion standards</td>
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<tr>
<td>Dimensions (HxWxD)</td>
<td>Physical size</td>
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<tr>
<td>Dimensions (Weight)</td>
<td>Physical weight</td>
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<tr>
<td><strong>FEATURES AND FUNCTIONS</strong></td>
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<tr>
<td>Intelligent Audio</td>
<td>Automatic volume control based on background noise levels</td>
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<tr>
<td>Emergency Alarm</td>
<td>Radio can initiate a emergency call process</td>
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<tr>
<td>Lone Worker</td>
<td>Initiates emergency call if does not respond to periodic alerts</td>
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<tr>
<td>Remote Monitor</td>
<td>Radio can remotely activate another radio’s microphone</td>
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<tr>
<td>Freeform Text Messaging</td>
<td>Users can enter and send free-form text messages</td>
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<td>Pre-programmed Text Messaging</td>
<td>Radio can send pre-programmed text messages</td>
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<tr>
<td>Vibrate Alert</td>
<td>Vibrate silently alerts the user to an incoming call</td>
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<td>Covert Mode</td>
<td>Disable display, LEDs and audible tones for ultimate discretion</td>
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<tr>
<td>Digital Telephone Patch</td>
<td>Ability to connect to telephone system (requires additional hardware)</td>
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<tr>
<td>Transmit Intercept Decode</td>
<td>Radio can intercept transmissions from other radios</td>
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<td>Basic Privacy</td>
<td>MOTOTRBO 16-bit encryption for protection against eavesdropping</td>
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<td>Enhanced Privacy</td>
<td>MOTOTRBO 40-bit encryption for more robust protection</td>
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<tr>
<td>AES256 Encryption</td>
<td>Advanced Encryption Standard (AES) 256-bit encryption</td>
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<tr>
<td>Default Voice Announcement</td>
<td>Audible confirmation of selected operations of the radio</td>
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<td>Programmable Voice Announcement</td>
<td>Ability to use customised recordings for voice announcements</td>
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<tr>
<td>Radio Management</td>
<td>FM provides centralised radio configuration and code plug management</td>
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<td>Over the Air Programming (OTAP)</td>
<td>Prevents unauthorised users from communicating through the repeater</td>
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<tr>
<td>Radios Enable/Disable</td>
<td>Radio can remotely enable and disable another radio</td>
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<td>Integrated Mandown</td>
<td>Enhance personnel safety by monitoring movement</td>
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<tr>
<td>Dual Capacity Direct Mode</td>
<td>Use both DMR and texting to double capacity without using a repeater</td>
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<td><strong>SYSTEM CONFIGURATIONS</strong></td>
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<td>Direct Mode Operation</td>
<td>Direct radio-to-radio operation</td>
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<td>Simple Site Conventional</td>
<td>Single site conventional operation (channel selection by users)</td>
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<td>Single- or multi-site trunking (channel selection managed by system)</td>
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</table>
MOTOTRBO™ MOBILE RADIO FEATURES

### GENERAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>DM1000 Series</th>
<th>DM2000 Series</th>
<th>DM4000 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protocol</td>
<td>Digital radio</td>
<td>Digital radio</td>
<td>Digital radio</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>VHF, UHF</td>
<td>VHF, UHF</td>
<td>VHF, 300MHz,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UHF</td>
</tr>
<tr>
<td>Max. Power Output</td>
<td>25W or 40W VHF</td>
<td>25W to 40W VHF</td>
<td>20W or 40W UHF</td>
</tr>
<tr>
<td>Max. Channel Capacity</td>
<td>16</td>
<td>160</td>
<td>256</td>
</tr>
<tr>
<td>Display</td>
<td>2-digit</td>
<td>2-line</td>
<td>2-digit</td>
</tr>
<tr>
<td>Keypad</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Integrated Wi-Fi</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Integrated GPS</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Embedded GLONASS</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Integrated Bluetooth Capability</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Dedicated Emergency Button</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Programmable Buttons</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Digital QR Signalling</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>PL/I GPS Signalling</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Quick Call II Signalling</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>T6 Signalling</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Option Board Capability</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>IMPRES Audio Compatible</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP64</td>
<td>IP54</td>
<td>IP54</td>
</tr>
<tr>
<td>Dimensions (HxWxL)</td>
<td>44 x 169 x 134 mm</td>
<td>44 x 169 x 134 mm</td>
<td>53 x 175 x 206 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.3 kg</td>
<td>1.3 kg</td>
<td>1.8 kg</td>
</tr>
</tbody>
</table>

### FEATURES AND FUNCTIONS

#### Intelligent Audio
- Automatic volume control based on background noise levels
- Yes
- Yes
- Yes

#### Emergency Alarm
- Radio can initiate an emergency call process
- Yes
- Yes
- Yes

#### Remote Monitor
- Radio can remotely activate another radio's microphone
- Decode Only
- Yes
- Yes

#### Transmit Interrupt Decode
- Radio transmissions can be interrupted by other radios
- Yes
- Yes
- Yes

#### Basic Privacy
- Applies to MOTOTRBO 16-bit encryption for protection against eavesdropping
- Yes
- Yes
- Yes

#### Enhanced Privacy
- MOTOTRBO 40-bit encryption for noise robust protection
- No
- Option
- Yes

#### Default Voice Announcement
- Audible confirmation of selected operations of the radio
- Yes
- Yes
- Yes

#### Programmable Voice Announcement
- Ability to use customised recordings for voice announcements
- Yes
- Yes
- Yes

#### MDC Signalling
- Analogue MDC compatible
- Yes
- Yes
- Yes

#### T6 Signalling
- Analogue T6 tone compatible
- No
- Option
- Yes

#### Remote Mount Control Head
- Controls and display can be located separately from radio chassis
- No
- Option
- Yes

### SYSTEM CONFIGURATIONS

#### Direct Mode Operation
- Direct radio-to-radio operation
- Yes
- Yes
- Yes

#### Single-Site Conventional
- Single-site conventional operation (channel selection by user)
- Yes
- Yes
- Yes

#### IP Site Connect
- Multi-site conventional operation (channel selection by user)
- No
- Yes
- Yes

#### Capacity Plus
- Single- or multi-site trunking (channel selection managed by system)
- No
- Option
- Yes

#### Connect Plus
- Multi-site MOTOTRBO trunking with distributed controllers
- No
- No
- Option

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1 Integrated Bluetooth, GPS, GLONASS and Wi-Fi are supported on DP3441e, DP4400e, DP4800e, DP4401e, DM4441e & DM4401e only.
2 Based on NiMH battery.
3 Based on standard Li-ion battery.
4 Option board capability on SL4100e Only.
5 Requires keypad microphone.
6 Available with MPT Option Board factory fitted.
7 Analogue only models of DP1400, DM1450 and DM1600 also available. Analogue models can be upgraded to MOTOTRBO digital by purchasing a software license.
8 VHF frequency range is 136-174MHz; 300MHz range is 350-380MHz and 350-400MHz. UHF range is 403-470MHz, except DP1000, DP4000 Ex, SL1600, SL6000a, Series, DM1000 and DM4000 Series when UHF range is 403-470MHz.
9 Whilst care has been taken to ensure the accuracy of the information contained in this bulletin, Motorola Solutions retains the right to make changes at any time without notice.
BUSINESSES AROUND THE WORLD TRUST MOTOTRBO TO TRANSFORM THE WAY THEY WORK.

Today, from the production line to the power line, MOTOTRBO radios are helping people work more efficiently, productively and safely. MOTOTRBO delivers the game-changing advantages of digital technology – from superb audio to expansive coverage – along with business-essential systems, applications and accessories that unleash the power of the radio.

MOTOTRBO puts the right device into the hands of the right user, to empower your workforce and transform your enterprise.

To do more with digital throughout your enterprise, visit www.motorolasolutions.com/mototrbo or find your closest Motorola representative or authorised Partner at www.motorolasolutions.com/contactus.