



MOTOTRBO TWO-WAY RADIO SOLUTIONS AT A GLANCE



MOTOTRBO

A COMPLETE END-TO-END SOLUTION

RADIOS

From simple voice-only models to feature-rich voice and data radios



ACCESSORIES

Our complete portfolio of accessories optimizes the performance of your MOTOTRBO radio



SYSTEMS

MOTOTRBO offers a wide range of systems that can evolve with your business



INFRASTRUCTURE

Repeaters, controllers and gateways are the backbone of your MOTOTRBO two-way radio system



APPLICATIONS

Leverage data applications from our application developer program to enhance your communications



CONSOLES & MANAGEMENT

Centralize management of your radio network and workforce for effective, efficient communications



SERVICES

We've got you covered, from pre-installation to post-implementation, with expert support



DISCOVER THE **ULTIMATE** IN
**SEAMLESS OPERATIONS WITH A
TOTAL MOTOTRBO SOLUTION**

Having MOTOTRBO at the heart of your organization will help you achieve new levels of productivity, safety and efficiency. The extensive portfolio means you can custom-build your complete solution including radios, infrastructure, systems, accessories, applications and services designed around what you need today and in the future.

INSTANTANEOUS PTT COMMUNICATION

Nothing is faster than push-to-talk (PTT) when you need a quick answer or immediate emergency response. It provides real time communication for individuals or groups across your entire team from the control room to the front-line, resulting in loyal customers, satisfied employees and increased business.

HEAR AND BE HEARD CLEARLY IN NOISY ENVIRONMENTS

Superb audio quality means MOTOTRBO delivers 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 features advanced digital signal processing to deliver voice integrity and clarity to the limits of coverage. And thanks to DMR TDMA technology, MOTOTRBO delivers twice the call capacity of analog 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 analog, 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® and Wi-Fi or industry-leading data applications, MOTOTRBO has the right devices and systems to fit your workforce now, and allows you to evolve as your enterprise grows.

MOVE FROM ANALOG TO DIGITAL WITH EASE

Migrate at your own pace, one talk group or department at a time. MOTOTRBO radios operate in both analog and digital mode, so you can use them on your existing analog 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

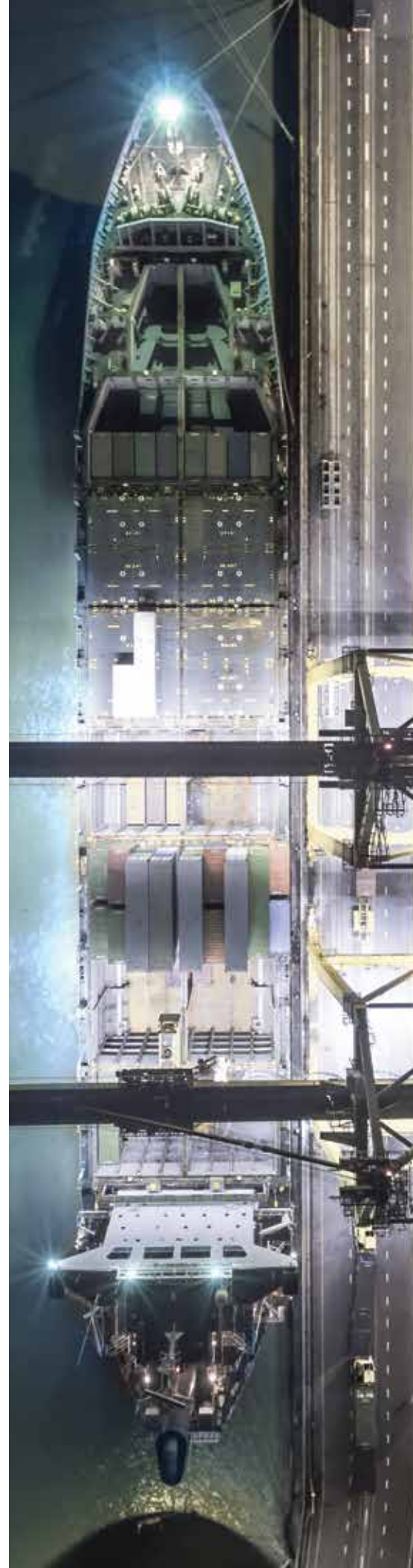
MOTOTRBO fits the way businesses run today, with an expert Application Developer Program that helps you customize your communication solution to your environment and workforce. Solutions range from text messaging, centralised dispatch and GPS tracking to personnel monitoring and work order ticket management. Applications like these make it easier to accomplish multiple tasks on a single purpose-built 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) purpose-built device which simulates up to 5 years of field use. We design and engineer MOTOTRBO products to survive the harsh conditions of everyday business.

REACH EVERYONE, ANYWHERE

When you're running a professional operation, you need more than just radio-to-radio communications. MOTOTRBO has coverage options to suit your needs - whether you're operating in a single building, a large campus, or even multiple locations around the world. Connecting thousands of radio and smartphone users in a single location, your capacity options are virtually unlimited.





PORTABLE AND MOBILE RADIOS

The MOTOTRBO two-way radio portfolio offers you a wide choice of devices, from simple voice-only models to feature-rich voice and data radios. All devices work together seamlessly to deliver advanced features to enhance your safety, productivity and efficiency. With exceptional voice quality and outstanding usability, MOTOTRBO keeps your workforce connected.



PORTABLE AND MOBILE RADIOS

COMMERCIAL TIER

DEP™450

SIMPLE VOICE COMMUNICATIONS FOR THE EVERYDAY USER WHO WANTS TO STAY CONNECTED

Communicate simply and clearly. The DEP450 gives you affordable analog voice communications, with the option to upgrade to MOTOTRBO digital when you're ready. With great performance and rugged durability, the DEP450 simply keeps your workforce connected.

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



SL500

SLIM AND STYLISH, FOR THE CUSTOMER SERVICE USER WHO NEEDS INTUITIVE TECHNOLOGY

Connect to intuitive technology with this slim, lightweight radio. An eye-catching Active View display combines ruggedness with simplicity, and patented Range Max technology delivers great coverage with long battery life in a small, convenient outline. The radio supports analog and digital modes, and is complemented by a range of innovative accessories.

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



DEM300 / DEM400

SIMPLE VOICE COMMUNICATIONS FOR THE EVERYDAY USER WHO WANTS TO STAY CONNECTED

Communicate simply and safely. DEM300 and DEM400 radios give you affordable analog voice communications, with the option to upgrade to MOTOTRBO digital when you're ready. With great performance and a straightforward user interface, the DEM300 and DEM400 simply keep your workforce connected.

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





PORTABLE AND MOBILE RADIOS

ENTRY PROFESSIONAL TIER

SL500e

INSTANT COMMUNICATION, PROFESSIONAL STYLE

Slim, lightweight, and discreet, the MOTOTRBO SL500e portable two-way radio gives you the power of instant two-way communication without compromising your style. Get quick access to key radio functions along with information at a glance. Connect discreetly to Bluetooth® earpieces and sensors. And access Wi-Fi networks for over-the-air software updates.

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



DEP 500e Series

COMPACT AND CAPABLE, FOR THE BUSY WORKER WHO NEEDS TO COMMUNICATE EFFICIENTLY

Connect with efficiency. The DEP 500e Series delivers analog and digital voice capabilities, with support for basic systems and a feature-set geared to maximum workplace efficiency – including Wi-Fi for remote radio management and Bluetooth 4.0. With excellent range and impressive battery life, these radios deliver cost-effective connectivity.

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



DEM 500

AFFORDABLE VOICE COMMUNICATIONS FOR THE BUSY PROFESSIONAL

The power of digital is within reach. The DEM 500 features 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 DEM 500 monitors background noise and automatically adjusts itself.

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



UL Hazloc models available



PORTABLE AND MOBILE RADIOS

PROFESSIONAL ENHANCED TIER

SL8550e

SLEEK AND SMART, FOR THE MANAGER WHO NEEDS COMPLETE CONTROL

Stay in control with the ultimate in professional digital communications. This slim and light portable radio 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 SL8550e has everything you need to boost safety and productivity.

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



DGP 8000e/DGP 5000e SERIES

POWERFUL AND SOPHISTICATED, FOR THE PROFESSIONAL WHO REFUSES TO COMPROMISE

When you need complete connectivity, the DGP 8000e/DGP 5000e Series delivers. These portable radios have excellent range, battery life and audio quality in all digital and analog systems, and a full suite of features to enhance safety and productivity. And with integrated Wi-Fi, GPS and Bluetooth 4.0, you can be confident that your radio integrates the latest technology.

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



DGM 8000e/DGM 5000e

POWERFUL AND SOPHISTICATED, FOR THE PROFESSIONAL WHO REFUSES TO COMPROMISE

When you need complete connectivity, the DGM 8000e/DGM 5000e delivers. These mobile radios have excellent range and audio quality in all digital and analog systems, and a full suite of features to enhance safety and productivity. And with integrated Wi-Fi, GPS and Bluetooth 4.0, you can be confident that your radio integrates the latest technology.

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



DGP 8550EX/DGP 8050EX

EXCEPTIONAL PERFORMANCE IN HAZARDOUS ENVIRONMENTS

Keep your workers connected, safe and productive, wherever they may work. These portables are ATEX/INMETRO certified as intrinsically safe to operate where flammable gas, vapors or combustible dust may be present. They are ideal for dangerous jobs, noisy environments, extended shifts and adverse conditions. They offer all the benefits of digital technology, including great functionality, crystal-clear audio and long-lasting batteries.

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





RADIO ACCESSORIES

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

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 truck or step away from your desk (up to 30 feet away) and stay connected. Choose from a variety of earpieces, heavy duty wireless headsets and push-to-talk solutions that let you move without constraints around the workplace.



EARPIECES

Transmit and receive discreetly with a variety of earpieces that feature a streamlined design and rugged cables that withstand tough conditions. With in-line 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 environments. Select from a wide range of comfortable, durable, lightweight to heavy duty headsets with noise-canceling boom microphones and in-line push-to-talk.





RADIO ACCESSORIES

BATTERIES AND CHARGERS

MOTOTRBO batteries are developed, tested and certified for optimal performance with your MOTOTRBO radios and they outperform other brands of batteries. IMPRES batteries can be charged 150 additional times versus a standard battery – a 43% increase in charge cycles. IMPRES Over the Air Battery Management automatically collects battery information over the air while radios are in use, making battery management easier than ever.



REMOTE SPEAKER MICROPHONES (RSM)

Communicate clearly in loud workplaces. MOTOTRBO RSMs have exclusive audio features like windporting for windy outdoor environments and noise-canceling to reduce background noise. Exclusive IMPRES technology ensures your voice is heard clearer and more loudly over a wide range of conditions and the INC RSM suppresses extreme noise from high decibel equipment and 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 Long Range Wireless Remote Speaker Microphone (RSM) allows you to stay in touch even on remote job sites when you depend on your mobile radio but have to work outside your vehicle. It 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

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 truck when dash space is limited.





SYSTEMS

No matter how large or small your enterprise, MOTOTRBO offers a wide range of systems specifically designed for your business – for the days ahead and 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.





SYSTEMS

CONVENTIONAL

BASELINE SINGLE SITE COVERAGE AND CAPACITY

A conventional system is a step up from basic radio-to-radio communications. Radios communicate via a high-power repeater, giving better coverage and more centralized control.



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 repeaters to create wide area coverage or enhance coverage quality at a single site.



CAPACITY PLUS

COST-EFFECTIVE COVERAGE AND CAPACITY FOR SINGLE AND MULTIPLE SITES

Expand the capacity and extend the coverage of MOTOTRBO with this entry-level digital trunking system. With multi-site Capacity Plus (formerly Linked Capacity Plus) you can connect up to 15 sites, each with up to 8 voice and data repeaters - plus up to 12 dedicated data repeaters.



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 communications solution that's perfect for your business.





INFRASTRUCTURE

Repeaters, 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 1000 SERIES REPEATER

Using the SLR 1000 repeater, you can easily extend the range of your network through dead zones and across remote locations, so everyone's within reach. Deploy the SLR 1000 indoors or out—it's IP65-rated for dust and water protection. The compact size gives you more installation options. And a low power, fanless design uses less space and energy.



SLR 5000 SERIES REPEATER

A next-generation DMR repeater, the SLR 5000 Series offers high performance, high efficiency and a design for the future. The product has a 50 W continuous-duty output and high sensitivity for optimum coverage, and high reliability and low power consumption for low cost of ownership. With a slim, modular design, the product is easy to install and service.



SLR 8000 SERIES REPEATER

Built on the slim next-generation repeater platform, this repeater supports up to 100 W continuous-duty operation, with high sensitivity for exceptional coverage. The modular design keeps reliability high while allowing for configurable options.





INFRASTRUCTURE

CAPACITY MAX SYSTEM SERVER

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.



WAVE GATEWAY

Get WAVE broadband PTT without the startup costs or maintenance that come with servers installed in your facility. Cloud-based WAVE deployments use a simple WAVE Gateway to connect MOTOTRBO Capacity Plus or Capacity Max systems to our WAVE servers in our secure data center.





APPLICATIONS

With a wide range of applications and an expert application partners program, 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.



APPLICATIONS



COMMAND AND CONTROL

These applications work behind the scenes of your MOTOTRBO network to enhance the efficiency and responsiveness of your system. Interfacing to a Work Order Ticketing system, managing alarms and telemetry, and connecting to other messaging systems, they bring significant benefits to your business.



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.



INTEROPERABILITY

Connect your MOTOTRBO radio system to other communication systems. From analog two-way radio systems to SIP telephone networks to cellular providers, you can increase efficiency and increase collaboration.



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 capabilities, and some even offer indoor location tracking capabilities.



SYSTEM MONITORING

To get the best from your MOTOTRBO system, you need to know how it's performing. These applications give you a dashboard view of key metrics and parameters, with detailed logs helping you plan future growth and upgrades.



TEXT MESSAGING AND EMAIL

Enhance productivity by connecting your radio network with your text and email system. Allow your staff to use advanced work order ticketing solutions, or simply streamline the flow of information between office and shop floor.



VOICE DISPATCH

Giving you centralized control of your workforce, these applications offer customizable user interfaces to allow your dispatcher to coordinate your staff efficiently and effectively. They also enhance business connectivity by allowing telephony interconnections and multi-system patching.



WORK TICKET MANAGEMENT

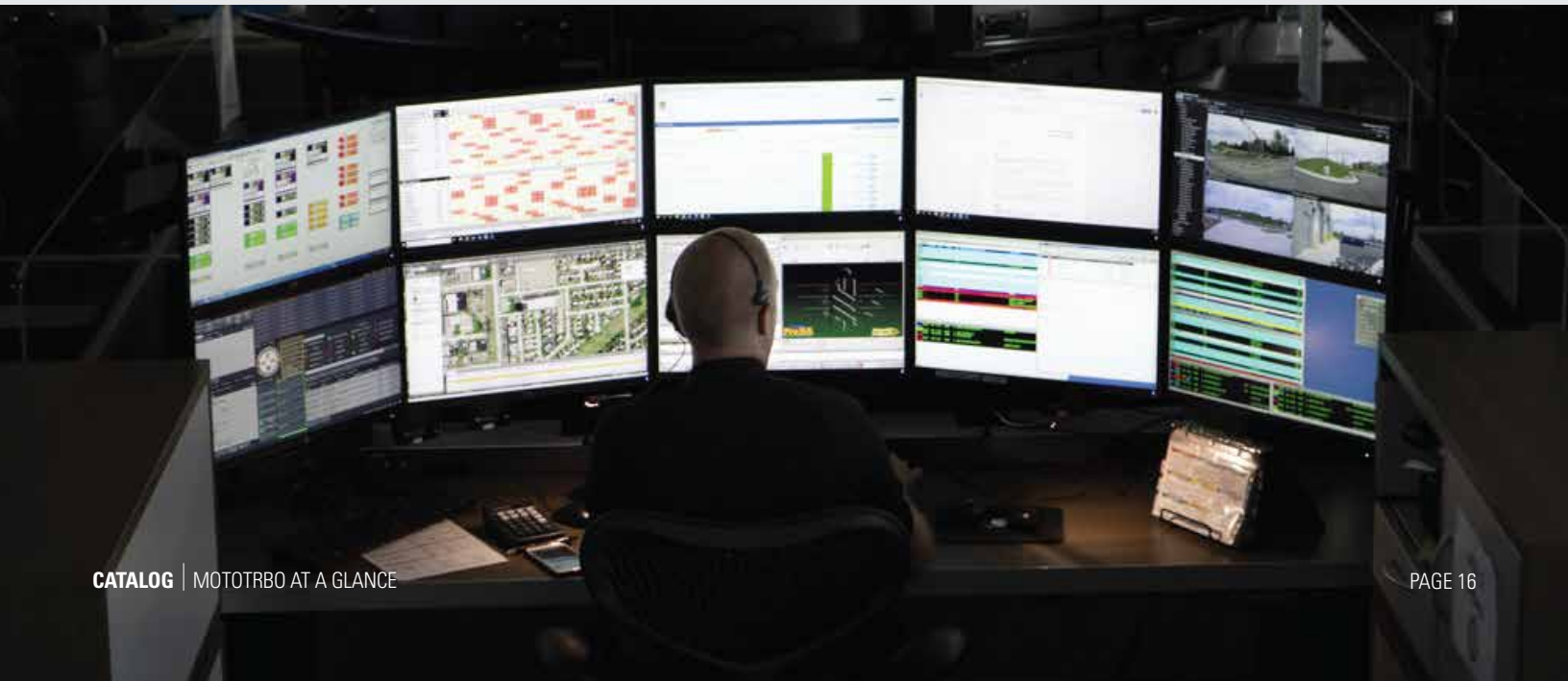
These applications enhance efficiency and accountability in the workplace using text-based issue management software. They can be integrated with your existing work-order management solution or can be operated as an independent system.





CONSOLES & SYSTEM MANAGEMENT

With options designed for your business, this portfolio of dispatch consoles and system management applications has the features you need to make quick decisions, mobilize a fleet and keep teams informed.





CONSOLES & SYSTEM MANAGEMENT

GENESIS GW3-TRBO®

GW3-TRBO represents the ultimate in system management for MOTOTRBO. With GW3-TRBO, you have an easy way to generate detailed metrics of your MOTOTRBO system performance.

GW3-TRBO connects directly to the MOTOTRBO system through a wireline interface. It captures usage information for every site, channel, slot, talkgroup and subscriber.



TRBOnet

TRBOnet Plus is an IP-based dispatch application that enables users to fully control and manage all available resources. The software includes a wide range of advanced features and functions to extend capabilities beyond basic dispatch. Text messaging, voice recording, telephone interconnect and many other features all combine to boost communication efficiency.



SmartPTT

SmartPTT PLUS is a dispatch software application for distributed MOTOTRBO radio networks. Standard functionalities include voice dispatch, texting, job ticketing, event logging and more. Optional features include GPS tracking, indoor location, voice recording, interoperability, telephone interconnect and a web client for remote system access. SmartPTT supports both the digital functions of the MOTOTRBO radios or their analog mode for a seamless migration to a DMR system.



WAVE™ BROADBAND PUSH-TO-TALK

WAVE client applications provide the user interface to a WAVE communication system and are available for smart phones, tablets, and desktops.

WAVE APPLICATIONS ENABLE YOUR WORKFORCE TO CONNECT AND COLLABORATE



With WAVE Dispatch you can use a web browser to access your MOTOTRBO radio channels.



With the WAVE mobile application, incorporate PTT, photos, video and more into a single communication session.



CONSOLES & SYSTEM MANAGEMENT



TAKE PTT FURTHER



COMMUNICATE WITHOUT BOUNDARIES

Eliminate barriers between devices, networks and locations, and let everyone be part of the conversation.



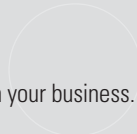
SEAMLESSLY EXTEND RADIO COMMUNICATION

Extend your private and group calls to broadband with a direct wireline connection.



ONCLOUD

No servers to buy, install or maintain so you can focus on your business.





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.



PREMIER SERVICES FOR MOTOTRBO TWO-WAY RADIOS

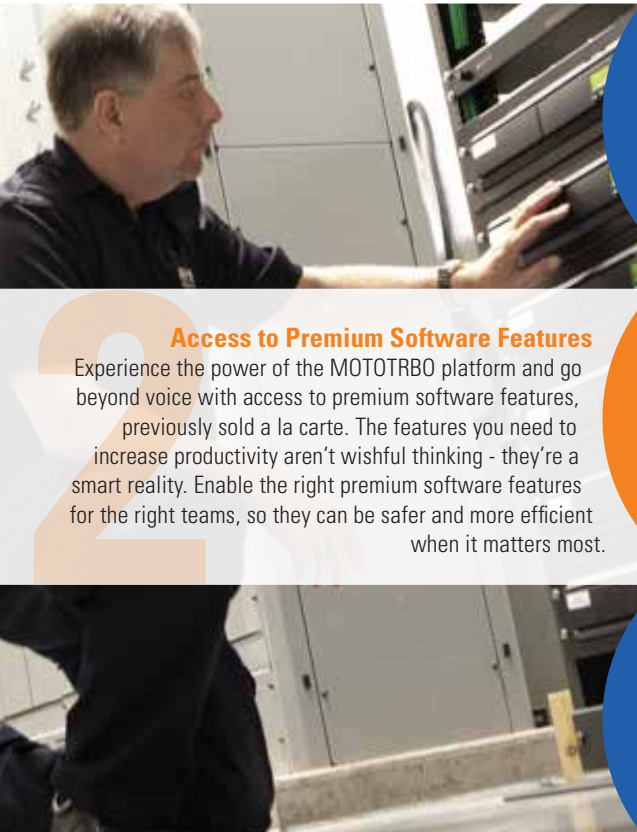
Critical communication has become increasingly complex as your MOTOTRBO two-way radios become more IP-based, supporting integrated data applications and enhanced features. Rely on us to help you achieve your performance targets with the right level of service you need for your radio fleet. With Premier Services, you transfer your MOTOTRBO two-way radio operations to our experienced managed services professionals to address the evolving technical and functional requirements of your two-way radios. **To learn more, please visit motorolasolutions.com**



ESSENTIAL SERVICES FOR MOTOTRBO TWO-WAY RADIOS AND INFRASTRUCTURE

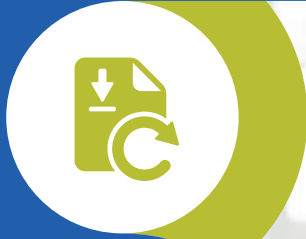
Motorola Solutions is enhancing the MOTOTRBO platform with new service packages that include access to software updates, premium software features and extended hardware repair services. Your business's security and technology needs are rapidly evolving, and we want to make sure you have a world-class experience each and every time you use your MOTOTRBO products.

These new service packages bring three key benefits to your MOTOTRBO platform



Access to Premium Software Features

Experience the power of the MOTOTRBO platform and go beyond voice with access to premium software features, previously sold a la carte. The features you need to increase productivity aren't wishful thinking - they're a smart reality. Enable the right premium software features for the right teams, so they can be safer and more efficient when it matters most.



The Value of Software Updates

MOTOTRBO, as all computing systems, is composed of hardware and software. The value of hardware is significant, but static. The value of software, on the other hand, keeps growing over time. Access the latest and greatest features and functionality available with each software release for added capabilities, security, and reliability. This increases the value of your investment with every update.



The Value of Hardware Repair

Our two-way radios and infrastructure are built for superior performance. With expert hardware repair, all radios and infrastructure are returned to factory specifications. Service centers are certified to comply with ISO9001.



COMPLEXITY MANAGED, CALM PREVAILS



Advanced Replacement for Network Hardware Repair is a repair exchange service for Motorola Solutions repeaters & Capacity Max system servers. This add-on service is available for systems so you can stay productive and run an efficient operation.



Accidental Damage offers you full coverage to keep you worry free. Accidental Damage is an add-on service that provides you with additional coverage for your two-way radios for repair and replacement beyond normal wear and tear.



Network Monitoring is an add-on service for MOTOTRBO systems to help you monitor and update your network to improve response and continuity of your Capacity Max system.

SERVICE TOOLS

CUSTOMER PROGRAMMING SOFTWARE

The MOTOTRBO Customer Programming Software (CPS) provides complete access to the configuration of your radio. Update firmware, enable features, change talkgroups, add language packs and upload voice announcements to your radio from your desktop.



RADIO MANAGEMENT

As an add-on to the CPS software, Radio Management gives you the capability to program radios in batches to standardized templates. Reduce errors, organize large fleets more efficiently, and streamline large-scale updates.



OVER-THE-AIR PROGRAMMING

Over-the-Air Programming (OTAP) allows you to update radios remotely, either via Wi-Fi or over the MOTOTRBO network. Updates can be centrally managed and scheduled to minimize disruption to your business-critical communications.



IMPRES FLEET MANAGEMENT

Regularly monitor the health and status of your radio fleet. By collecting data from each battery, you can now see recommendations on which batteries need replacing so that you can better optimize your battery spend over the lifetime of your radio fleet.





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.



MOTOTRBO PORTABLE RADIO FEATURES



		DEP™500e SERIES			SL500 SERIES	
		DEP™450	DEP™550e	DEP™570e	SL500e	SL500
FREQUENCY BAND	Capable of operation in the following bands	VHF, 350MHz, UHF-1, UHF-2	VHF, 350MHz, UHF-1, UHF-2		UHF, VHF	
CHANNELS	Programmable channel capacity	32	32	128	128	99
IP RATING	Rated sealing for dust and water ingress	IP54	IP67	IP67	IP54	IP54
DIGITAL	DMR standard digital voice communications	○	●	●	●	●
ANALOG**	Analog voice communications	●	●	●	●	●
BASIC PRIVACY	Basic protection against casual eavesdropping	●	●	●	●	●
BLUETOOTH AUDIO	Wireless connection for earpieces and headsets		○	○	○	
BLUETOOTH DATA	Wireless connection for data communications		○	○	○	
DISPLAY	Visual readout of radio functions			●	●	●
EMERGENCY CALL	Radio can initiate Digital Emergency process	●*	●*	●*	●*	●*
ENHANCED PRIVACY	Encryption of voice traffic using ARC4 with 40bit keys		○	○	○	
GPS	Embedded GPS receiver for location monitoring					
HAZLOC	Radio is designed for use in flammable atmospheres		○	○		
IMPRES™ ENERGY	Radio supports IMPRES smart battery technology		●	●		
IMPRES OVER-THE-AIR	Radio supports IMPRES Over The Air Battery Management		●	●		
INDOOR LOCATION-TRACKING	Bluetooth-based indoor positioning		○	○		
INTELLIGENT AUDIO	Automatic volume control based on background noise levels		●	●		
KEYPAD	Full (F) or limited (L) keypad for control and data entry			L	L	L
LONE WORKER	Initiates emergency if user does not respond to periodic alerts	●	●	●	●	●
MAN DOWN	Initiates emergency based on radio orientation or movement					
OTAP	Radio can be programmed Over-The-Air		●	●	●	
RADIO DISABLE/ENABLE	Radio can remotely disable and/or re-enable another radio		●	●		
REMOTE MONITOR	Radio can remotely activate another radio's microphone		●	●	●	●
TEXT MESSAGING	Radio can send and/or receive text messages		●	●	●	
TEXT TO SPEECH	Radio can read text and settings out loud					
THIRD PARTY APPLICATIONS	Radio can use data to support third party applications					
TRANSMIT INTERRUPT	Radio can force another radio to stop transmitting	○	○	○	●	
USER-SELECTABLE AUDIO PROFILES	Radio's sound can be customized by user		●	●	●	●
VIBRATE	Silent alert of incoming calls and texts		○	○		
VOICE ANNOUNCEMENT	Audible confirmation of selected operations of the radio	●	●	●	●	●
WI-FI	Integrated Wi-Fi capability		●	●	●	
DIRECT MODE	Radio is capable of direct radio-to-radio operation	●	●	●	●	●
CONVENTIONAL	Radio can operate on basic repeater systems	●	●	●	●	●
IP SITE CONNECT	Radio can operate on IP Site Connect systems	○	○	○	○	○
CAPACITY PLUS (SINGLE/MULTI-SITE)	Radio can operate on Capacity Plus systems		○	○	○	
CAPACITY MAX	Radio can operate on Capacity Max systems					
CONNECT PLUS	Radio can operate on Connect Plus trunked systems					

* Does not have dedicated red emergency button

** For availability in your country, please consult with your Motorola Solutions representative



DGP™8000e/DGP™5000e SERIES

DGP™8050e	DGP™5050e	DGP™8550e	DGP™5550e	DGP™8050EX	DGP™8550EX	DGP™8050e ELITE	SL8550e
VHF, 350 MHz, UHF-1, UHF-2, 800/900 MHz				UHF/VHF		UHF/VHF, 350 MHz	UHF-1, UHF-2, 800 MHz
32	32	1000	1000	32	1000	32	1000
IP68	IP68	IP68	IP68	IP67	IP67	IP68	IP54
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○	○	○	○	○	○	○	•
•	•	•	•	•	•	•	•
•	•	•	•			•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	○	•	○	•	•	○	•
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○

○ OPTIONAL (Extra Cost) • STANDARD

MOTOTRBO MOBILE RADIO FEATURES

		DEM SERIES			DGM™8000e/DGM™5000e SERIES			
		DEM™300	DEM™400	DEM™500	DGM™8000e	DGM™5000e	DGM™8500e	DGM™5500e
FREQUENCY BAND	Capable of operation in the following bands	VHF, UHF		VHF, UHF	VHF, 350 MHz, UHF, 800/900 MHz			
CHANNELS	Programmable channel capacity	16	99	128	32	32	1000	1000
IP RATING	Rated sealing for dust and water ingress	IP54	IP54	IP54	IP54	IP54	IP54	IP54
DIGITAL	DMR standard digital voice communications	○	○	●	●	●	●	●
ANALOG	Analog voice communications	●	●	●	●	●	●	●
ALPHANUMERIC DISPLAY	Display for easy access to advanced features		●	●			●	●
BASIC PRIVACY	Basic protection against casual eavesdropping	●	●	●	●	●	●	●
BLUETOOTH AUDIO	Wireless connection for earpieces and headsets				●	●	●	●
BLUETOOTH DATA	Wireless connection for data communications				●	○	●	○
CONTROL STATION	Radio can be configured as a Dispatch or Control Station	●	●	●	●	●	●	●
EMERGENCY CALL	Radio can initiate Digital Emergency process	●*	●*	●	●	●	●	●
ENHANCED PRIVACY	Encryption of voice traffic using ARC4 with 40bit keys			○	●	○	●	○
GPS	Embedded GPS receiver for location monitoring. (Additional app and infrastructure may be need)				●		●	
INDOOR LOCATION-TRACKING	Bluetooth-based indoor positioning				○	○	○	○
INTELLIGENT AUDIO	Automatic volume control based on background noise levels			●	●	●	●	●
LONE WORKER	Initiates emergency if user does not respond to periodic alerts			●	●	●	●	●
NUMERIC DISPLAY	Clear display of channel number on front of radio	●			●	●		
OTAP	Radio can be programmed Over-The-Air			●	●	●	●	●
RADIO DISABLE/ENABLE	Radio can remotely disable and/or re-enable another radio	●	●	●	●	●	●	●
REMOTE MONITOR	Radio can remotely activate another radio's microphone	●	●	●	●	●	●	●
REMOTE MOUNT CONTROL HEAD	Control head can be located separately from radio				○	○	○	○
TEXT MESSAGING	Radio can send and receive text messages				●	●	●	●
TEXT TO SPEECH	Radio can read text and settings out loud				○	○	○	○
THIRD PARTY APPLICATIONS	Radio can use data to support third party applications				●	●	●	●
TRANSMIT INTERRUPT	Radio can force another radio to stop transmitting			○	●	○	●	○
USER-SELECTABLE AUDIO PROFILES	Radio's sound can be customized by user				●	●	●	●
VOICE ANNOUNCEMENT	Audible confirmation of selected operations of the radio	●	●	●	●	●	●	●
WI-FI	Integrated Wi-Fi capability				●	○	●	○
DIRECT MODE	Radio is capable of direct radio-to-radio operation	●	●	●	●	●	●	●
CONVENTIONAL	Radio can operate on basic repeater systems	●	●	●	●	●	●	●
IP SITE CONNECT	Radio can operate on IP Site Connect systems	○	○	○	●	○	●	○
CAPACITY PLUS (SINGLE/MULTI-SITE)	Radio can operate on Capacity Plus systems			○	○	○	○	○
CAPACITY MAX	Radio can operate on Capacity Max systems				○	○	○	○
CONNECT PLUS	Radio can operate on Connect Plus systems				○	○	○	○

* Does not have dedicated red emergency button

○ OPTIONAL (Extra Cost) ● STANDARD

MOTOTRBO SYSTEM COMPARISON TABLE

GATX 89653

LD LMT 191200

LB 86 750 KG

LT WT 71800

LB 32 550 KG NEW 10-94



	DIRECT MODE	SINGLE SITE CONVENTIONAL	IP SITE CONNECT	CAPACITY PLUS	CAPACITY MAX	CONNECT PLUS
REPEATERS	0 or 1 ¹	1	15	120	5250	420
SITES	0	1	15	15	250	250
RADIOS / SITE	–	200	200	1600	3000	3000
RADIOS ²	100	200	200	24000	90000	70000
TRUNKING	N	N	N	Dynamic	Full	Full
ETCA (COLLISION MITIGATION)	N	N	N	N	Y	Y
PRIORITIZATION	N	N	N	N	Y	Y
STORE AND FORWARD TEXTS	N	N	N	N	Y	Y

¹SLR Repeaters can be used for External Range Direct mode. ²Maximum capacity, based on standardization low traffic call model. N=No Y=Yes



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



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