



# MOTOTRBO™ MAKE ON-TIME DELIVERY AN ALL-THE-TIME REALITY

## FLEET COMMUNICATIONS SYSTEM



### MOTOTRBO BENEFITS

- Unify your workforce anywhere they go with voice and data
- Improve efficiency and safety on the job
- Keep connected easily and seamlessly
- Improve response time and customer service
- Maximize your system investment and infrastructure
- Enhance value and reduce operating costs

Last minute changes in cargo. Unscheduled package pick-ups. Unexpected delays on the road. Your customers depend on receiving freight at the right place at the right time, without fail. How do you meet their expectations and manage an extensive fleet of drivers and vehicles?

Instant dispatch and unbroken communication are essential to managing your fleet, so you need a system that is 24/7/365 reliable wherever they go.

### THE CHALLENGE

**You face increasing challenges in today's competitive environment as customers require greater flexibility and insist on timely delivery.**

Keeping your mobile workforce connected is essential to meeting these demands and protecting them on the road. At the same time, your business is facing creeping fuel costs and growing traffic congestion, and crumbling infrastructure. How do you contain volatile and rising costs while driving your fleet to a new level of performance? Be certain every driver and every delivery stop is as productive and problem-free as possible?

### THE SOLUTION

**Versatile and powerful, MOTOTRBO is the ideal solution. Using digital technology, it combines the best of two-way radio functionality with expanded capabilities to meet your communication needs.**

MOTOTRBO integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers impressive capacity and coverage to meet your growing communication needs. With exceptional voice quality and long battery life, MOTOTRBO keeps your mobile workers connected when communication is a must.

**"Freight spending is sizable and real and therefore has a major impact on corporate cost containment and profitability. Regardless of the size or organization, transportation costs are rising, driven largely by high fuel and driver costs and, if left uncontrolled, will negatively impact corporate profitability."**

Source: Gartner analysis

# GAIN GREATER CONTROL AND EFFICIENCY FOR THE LONG HAUL

With MOTOTRBO™ digital two-way radios and accessories, your employees are quickly and seamlessly connected. If a local business calls with an unscheduled pick-up or a customer requests a special delivery, you can pinpoint the driver and send instructions instantly. If you want to transmit a work order ticket or text message directions, you can send them directly and safely to the radio. Should a vehicle break down and a replacement is called for, you can coordinate it rapidly with MOTOTRBO.

## FLEET AND FACILITIES MANAGERS CAN IMPROVE SERVICE. AND DRIVE DOWN COSTS.

### Communicate clearly with exceptional audio.

Using the latest digital technology, MOTOTRBO provides clearer and crisper voice communications over a wider area without interference or distracting static. MOTOTRBO digital radios deliver both voice and data with greater accuracy, resulting in clear communications with your workers no matter where they are in the field.

### Share information quickly, easily and seamlessly.

Whether you need to send directions to the next customer location or receive notification a delivery is complete, MOTOTRBO's text messaging feature enables communication



between radios and dispatch systems, between radios and email-addressable devices, and to remote PC clients attached to radios.

### Keep connected with your workers in the field.

With the MIP 5000 radio console, you can have centralized dispatch capability for visibility and access to your mobile work teams no matter where the job takes them.

### Avoid delivery delays and customer dissatisfaction.

With MOTOTRBO, drivers can quickly notify dispatch about delays or shipment issues and confirm delivery locations without using personal cell phones. And the GPS technology lets you track valuable cargo, monitor assets and overcome delays.

### Extend coverage and expand capacity.

Meet your communication needs today and in the future with a variety of MOTOTRBO solutions:

- **IP Site Connect** uses an IP network to extend the voice and data capabilities of MOTOTRBO. You can create a continuous network that covers your employees at 15 geographically-dispersed sites. Or you link up to 15 sites to create wide area coverage at a single location.
- **Capacity Plus** is the single site digital trunking solution that maximizes the capacity of your MOTOTRBO system. Use it to enable a high volume of voice and data communication for over a thousand users at a single site, without adding new frequencies.
- **Linked Capacity Plus** is an entry level, multisite digital trunking system configuration for the MOTOTRBO platform. It leverages the high capacity of Capacity Plus, and the wide area coverage capabilities of IP Site Connect.
- **Connect Plus** is the scalable, multi-site digital trunking solution. With our high capacity MOTOTRBO system, calls can be queued during busy times until an open channel is available, important users can be assigned priority status when the system is in high demand, and a wireline console can be used for centralized dispatch.

### Control fuel costs.

Traffic congestion not only delays deliveries, it increases fuel costs. With MOTOTRBO™, dispatchers can monitor traffic conditions and instantaneously transmit alternate routes to employees in the field. They can also notify drivers of last-minute changes in cargo requirements or pick-up schedules. And with MOTOTRBO's integrated GPS module, dispatchers can identify vehicle location in real-time and dispatch the closest driver to respond to pick-up and delivery requests.

### Get exceptional value and cut operating costs.

By utilizing TDMA digital technology, MOTOTRBO enables two virtual channels within a single 12.5 kHz channel – double the capacity of analog. Since you don't need a second repeater, you save on equipment costs. By integrating voice and data in one device, MOTOTRBO saves you the expense of additional equipment for text messaging and GPS location tracking.

**"The text message feature is a great tool to have from a safety standpoint. If our mechanics are driving and they receive a call, they can't answer the radio and get a piece of paper and write down the information. So we send them the text message with the information that's required. And the nice thing about it is it will keep repeating until the mechanic acknowledges it."**

Jack Rule, Owner  
Mobile Trailer Works,  
Newport Beach, California

## APPLICATION BRIEF

### TRANSPORTATION AND DELIVERY

#### Improve workforce safety on the road or at your facility.

Our transmit interrupt suite allows multiple talk group conversations to be interrupted for urgent messages. Emergency notification lets drivers notify dispatch of a situation with just a push of the button.

In non-emergencies, dispatchers can text message drivers with information that can be read later to help them keep their eyes on the road. And with our hands-free audio accessories, workers at the warehouse or shipping dock can talk and listen to their portable radio while staying focused on the job.

#### Migrate at your own pace

while keeping operations running smoothly during a change in communication systems. MOTOTRBO radios operate in analog and digital mode so you can use MOTOTRBO radios on your existing analog system and begin migrating work teams over to digital – one talk group or department at a time – while still maintaining communication across your entire workforce.

#### MOTOTRBO RELIABLE COMMUNICATIONS DELIVERS:

Uninterrupted voice communication without static or noise

Integrated voice and data in one device

Text messaging when voice communication isn't practical

GPS tracking and dispatch for access to mobile workers

Scalable solutions to meet your communication needs

Easy to migrate from analog to digital

## DRIVERS AND OPERATORS CAN GET THE INFORMATION. NO MATTER THE LOCATION.

#### Hear clearly in loud settings.

Warehouses, shipping docks and delivery locations can be noisy places. MOTOTRBO's Intelligent Audio feature, available on certain models, automatically adjusts the radio's volume to fit the noise level in the environment. The volume turns up in noisy places so they won't miss a call and turns down in quiet settings so they won't disturb others. And with MOTOTRBO's background noise suppression, you can be confident communication comes through loud and clear.

#### Get longer battery life for long work shifts.

Long hours on the road or lots of deliveries often requires a long shift. MOTOTRBO offers enhanced battery life that supports those shifts. Our digital TDMA two-way portable radios operate longer – up to 40% longer between recharges compared to analog radios.



#### Depend on durable radios that deliver.

Your workforce operates in tough environments and two-way radios need to be tough-as-nails. MOTOTRBO™ radios meet the most demanding specifications including IP57 for submersibility in water (portable models), and U.S. Military 810 C, D, F and G. Our "intrinsically safe" portable radios are ideal for locations where flammable gas, vapors or combustible dust may be present.

#### Enhance safety with leading-edge accessories.

Designed for MOTOTRBO radios, our IMPRES accessories help block out vehicle noise so transmissions get through clearly. We offer a full portfolio – from visor microphones for hands-free operation to keypad microphones to transmit text messages back to dispatch. Wireless accessories free your service workers to interact safely--so drivers can keep their hands on the wheel while they communicate. A full range of Bluetooth® compatible accessories enable flexible and safe communications.

#### WORKPLACE APPLICATIONS FOR THE WAY YOU WORK

- **Text messaging:** Send text messages so drivers can read when convenient and not distract them from the road
- **Location tracking:** Monitor vehicle locations in real time to optimize routes; since the GPS is integrated, there are no external devices to install and maintain
- **Dispatch:** Monitor and communicate with your mobile workforce from a centralized location
- **Work order ticket management:** Send directly to a driver's radio and the driver can notify dispatch when completed, letting you track delivery cycle time
- **Network management:** Remotely monitor and manage MOTOTRBO equipment for continuous performance



**APPLICATION BRIEF**  
TRANSPORTATION AND DELIVERY

**MOTOROLA TWO-WAY RADIOS**



**GENERAL DESCRIPTION**

Device Highlights	MOTOTRBO™ XPR 2000 SERIES	MOTOTRBO™ XPR 3000 SERIES	MOTOTRBO™ XPR 5000 SERIES	MOTOTRBO™ XPR 7000 SERIES
	<ul style="list-style-type: none"> <li>• Mobile radio</li> <li>• Analog and digital voice communications</li> <li>• Reliable and affordable</li> <li>• Rugged</li> <li>• Crystal-clear digital audio</li> <li>• Compatible with basic MOTOTRBO wide-area systems</li> </ul>	<ul style="list-style-type: none"> <li>• Portable radio</li> <li>• Analog and digital voice communications</li> <li>• Compact and capable</li> <li>• Rugged</li> <li>• Crystal-clear digital audio</li> <li>• Compatible with basic MOTOTRBO wide-area systems</li> </ul>	<ul style="list-style-type: none"> <li>• Mobile radio</li> <li>• Analog and digital voice and data communications</li> <li>• Communications powerhouse</li> <li>• Rugged</li> <li>• Crystal-clear digital audio</li> <li>• Compatible with all MOTOTRBO wide-area systems</li> <li>• Supports text messaging</li> <li>• Supports productivity-enhancing data applications</li> </ul>	<ul style="list-style-type: none"> <li>• Portable radio</li> <li>• Analog and digital voice and data communications</li> <li>• Communications powerhouse</li> <li>• Extremely rugged</li> <li>• Crystal-clear digital audio</li> <li>• Compatible with all MOTOTRBO wide-area systems</li> <li>• Supports text messaging</li> <li>• Supports productivity-enhancing data applications</li> </ul>

**DESIGNED FOR:**

Dispatch	•		•	
Warehouse employee		•		•
Security		•		•
Maintenance		•	•	•
Driver	•		•	

**USER AND APPLICATION CONSIDERATIONS**

Technology	Analog and DMR digital	Analog and DMR digital	Analog and DMR digital	Analog and DMR digital
Weight (std battery)	2.9 lbs (1.3 kg)	10 oz (285 g)	3.9 lbs (1.8 kg)	12 oz (340 g)
Channels	128	16-128	up to 1000	up to 1000
Programmable Buttons	4	2	4	4 + 1
Dedicated Emergency Button	No	Yes	No	Yes
Bluetooth for Wireless Headset Support	No	No	Yes	Yes
Display/Keyboard	Yes/Yes	Optional / Optional	Yes/Yes	Optional / Optional
Fleet Management	Yes	Yes	Yes	Yes
Application Support	No	No	Yes	Yes
Battery Life	-	Up to 11.5 hrs	-	Up to 17 hrs

**AUDIO TECHNOLOGY**

Technology	Analog (DMR Digital Options)	Analog and DMR Digital	Analog and DMR Digital	Analog and DMR Digital
Background Noise Suppression	Yes (Enhanced)	Yes (Enhanced)	Yes (Enhanced)	Yes (Enhanced)
Advanced Features	Dual-Capacity Direct Mode Intelligent Audio IMPRES™ Audio	Dual-Capacity Direct Mode Intelligent Audio IMPRES™ Audio	Dual-Capacity Direct Mode Intelligent Audio IMPRES™ Audio	Dual-Capacity Direct Mode Intelligent Audio IMPRES™ Audio

**INTEGRATED VOICE COMMUNICATIONS**

Inter-communications with telephones	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
Inter-communications with Motorola's mobile computers and VoWLAN phones	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
MOTOTRBO Dispatch Features	Yes	Yes	Yes	Yes

**ACCESSORIES**

Headsets, Earpieces, Microphones	Yes	Yes - Wide selection	Yes - Wide selection	Yes - Wide selection
Carry Options	-	Cases, clips, lanyards	-	Cases, clips, lanyards
IMPRES™ Smart Energy System <sup>2</sup>	-	Yes	-	Yes

<sup>1</sup> Requires additional infrastructure    <sup>2</sup> Lengthens battery life and extends talk time

For more information on how to make on-time delivery and all-the-time reality, visit [www.motorola.com/mototrbo](http://www.motorola.com/mototrbo)

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**MOTOTRBO**  
DIGITAL  
REMASTERED.

