



# 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. A system so efficient and easy to use, it can increase safety, improve customer service and reduce operating costs, too.

### 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. How do you keep your people in contact while keeping them safe, wherever they travel?

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.**

Our professional digital communication system combines the best of two-way radio functionality with the latest digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers twice the capacity of analog systems 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.

Our new MOTOTRBO SL Series, XiR P8600 and XiR P6600 Series portable and XiR M8600 Series mobile radios offer a smart new feature in digital mode – Intelligent audio – that adjusts radio volume to fit an environment's noise level. This means the radio automatically boosts the volume level when the supervisor is on the warehouse floor, then automatically reduces the volume when he moves into a quiet office area.

**"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

Whether your employees are crawling along in traffic or cruising down an interstate, with MOTOTRBO™ digital two-way radios and accessories they 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 than analog radios could ever do. Unlike analog, signal strength doesn't drop off with distance or cause distracting static. MOTOTRBO digital radios deliver both voice and data with greater accuracy and virtually no loss throughout the coverage area. The result is clear communications with your workers no matter where they are on the road, on the dock, or deep inside your warehouses and distribution centers.



### 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.

### 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 a standard IP network to extend the voice and data capabilities of MOTOTRBO. You can link up to 15 sites to create a continuous network that covers your fleet and your drivers – so no matter where they are on the road or how remote the environment, they are reliably connected. Or you can link up to 15 sites for communication among geographically-dispersed locations or enhance coverage at a single site with physical barriers.
- **Capacity Plus** 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 to keep your staff at various locations connected with an affordable, wide area trunking solution.
- **Connect Plus** is the scalable, multi-site digital trunking solution that helps keep your entire fleet connected – up to 2900 teams or fleets per site. At the same time, you can link multiple sites together, ideal for transportation companies with large work teams who typically operate across a wide area.

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 wire-line console can be used for centralized dispatch. The dynamic site roaming lets your people move from site to site without having to manually change channels. So they can stay focused on the road while they stay connected on the job.

**"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

### 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, avoiding unnecessary trips. 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 licensed repeater channel – double the capacity of analog. Since you don't need a second repeater, you save on equipment costs, too.

By integrating voice and data in one device, MOTOTRBO saves you the expense of additional equipment for text messaging and GPS location tracking. And to help control the cost of replacing batteries prematurely, our leading-edge IMPRES technology automatically maintains your battery fleet to lengthen battery life.

### 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. And our integrated GPS module means dispatchers can identify the actual location of the drivers and immediately send assistance to the site.

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 because it operates in both modes



## 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 background noise suppression feature helps ensure communication comes through loud and clear. And with our complete line of audio accessories with leading-edge IMPRES™ audio technology, your workers can wear headsets to further suppress ambient noise, improve voice intelligibility and amplify loudness. Now you can be confident they'll clearly hear the message and not miss a call.

### Text when talking isn't practical.

Make sure workers can quickly and easily share information when voice communication isn't an option. Text messaging is ideal for sending messages that don't need an immediate response, or when voice calls are disrupting to employees on the road. MOTOTRBO streamlines time and improves safety with effortless text messaging, now with predictive text features.

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

Long hours on the road or lots of deliveries often requires a long shift. And that requires communication equipment that will work the entire time. MOTOTRBO offers enhanced battery life to do just that. Our digital TDMA two-way portable radios operate longer – up to 40% longer between recharges compared to analog radios.

### 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. MOTOTRBO Predictive Text offers advanced features to make text messaging faster and easier than ever, as well as supporting input of multiple languages.
- **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





### 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, E and F. 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. Heavy duty headsets

provide improved audio and hearing protection in extremely noisy environments. And desktop microphones and tray with speaker accessories let dispatch set up a mobile radio as a control station to quickly communicate with drivers.

#### MOTOTRBO RELIABILITY AND SECURITY

Exceptionally clear audio, even in loud environments

Access data, such as text messages, when it's convenient and safe

Water submersible, tough-as-nails radios

Extended battery life for long work shifts

Hands-free accessories keep them focused on the job or on the road

#### MOTOTRBO PROVIDES THE RIGHT SOLUTION FOR THE RIGHT USER

- Ideal for the supervisor, the ultra-thin, lightweight SL Series portable provides the ultimate in functionality and discreet communication. Innovative features such as Intelligent Audio and vibrate alert help ensure important calls are not missed, even in the noisiest environments.
- Maintenance personnel receive vehicle diagnostic updates by utilizing on-board telematics linked through their XiR M8660 mobile radios to fleet management software at their facility. This real-time performance visibility not only complements their regular preventative maintenance measures and maximizes availability for their fleet of vehicles, but also helps minimize costly disruptions that would prevent them from meeting or exceeding guaranteed delivery times for their customers.
- A supervisor can use their XiR P8660 portable to request an expedited replenishment order with a forklift driver in the warehouse. The forklift operator is able to clearly hear the request from his supervisor and immediately confirm his availability because the Intelligent Audio feature integrated in his XiR P8660 portable automatically adjusts the volume on his Temple Transducer headset over the noise of his forklift.
- A driver can confirm a destination change with dispatch while keeping focused on the road using their XiR M8660 mobile radio paired with their Operations Critical Bluetooth™ earpiece for safe, hands-free communications.
- For security personnel, the XiR P6600 portable paired with a Remote Speaker Microphone accessory provides clear communications throughout the facility.

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

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**MOTOTRBO**  
DIGITAL  
REMASTERED.