

# MOTOTRBO™ CONNECT PLUS MULTI-SITE DIGITAL TRUNKING



EXTENDED COVERAGE. EXPANDED INFORMATION.  
EXCEPTIONAL EFFICIENCY FOR YOUR MOBILE WORKFORCE.



# REACH EVERYONE EVERYWHERE THEY GO

Your large workforce is out in the field every day, filling pot holes, repairing stop lights, fixing water main breaks, making deliveries or quickly restoring electricity after a storm, so you need to be able to connect with them no matter where their job takes them.

MOTOTRBO Connect Plus multi-site digital trunking is a two-way radio system that enables you to accommodate the high volume, wide area communication that's required for your business.

Whether you need coverage at a single site or across multiple sites, Connect Plus can be scaled to meet your communication needs. Your work teams can not only talk to one another or the main facility, they can also use data applications to make their job more efficient and safe, including text messaging, location tracking and dispatch console capability. All the while, you gain the added benefits of TDMA digital technology like increased capacity and clear audio.



## MAKE YOUR MOVE AT YOUR OWN PACE

Keeping operations running smoothly while upgrading your communication systems is vital to business. That is why MOTOTRBO radios are flexible. They can be configured to operate in analogue mode on your existing analogue trunking system or in digital mode on your new MOTOTRBO system.

Then, as you are ready, radios can be upgraded and you can begin migrating one talk group or one department at a time over to MOTOTRBO Connect Plus.

By migrating at your own pace, the risk of a hard cutover is eliminated, significantly reducing the impact to your business. At the same time, you are able to spread the cost of new equipment as your budget allows.

A blue semi-truck is parked on a concrete surface. A driver wearing a dark jacket and a cap stands by the open driver's side door. In the foreground, a blue hand truck is loaded with several cardboard boxes. The background shows a clear blue sky.

# STAY IN TOUCH NO MATTER WHERE THEY'RE HEADED

When your fleet hits the road in the morning, centralized dispatch keeps them within reach no matter where they go. When you need multiple drivers to pick up unscheduled loads all at the same time, one dispatcher can coordinate their routes and schedules to keep the freight flowing. Dynamic roaming automatically switches to the strongest available signal as work crews travel from zone to zone, and the transfer is seamless with no interruptions. In urgent situations, workers can send emergency notification to dispatch or with the man-down application, the tilt, motion or lack of activity on a radio can be detected to automatically send emergency notification to dispatch. And for routine or low priority messaging, you can text so drivers can read it at their convenience without distracting them while in traffic.



# BE MORE EFFICIENT. BE BETTER CONNECTED.

When your fleet is dispatched across the city and your workers are miles apart, you need a way to stay connected. MOTOTRBO Connect Plus multi-site trunking extends digital voice and data communication to as many as 29 talk paths and 2,900 users per site, so no matter where your workforce goes, they can be reached – making them more efficient and safer in the process.

## High system availability

The dedicated control slot makes it possible for you to quickly access voice and data communication even during high traffic times.

## Automatic channel access

Instead of trying again and again to place a call or to send data, calls are queued during busy times until an open channel is available. You're then automatically notified that you can complete your call.

## Fast access for those who need it most

When all channels are busy, Connect Plus will place calls in a queue and you can assign important users like managers or security personnel a priority status so they have fast access when the system is in high demand.

## No need to change channels

As you travel from one site to the next, you can keep your focus on the job instead of hassling with manual site changes. Dynamic site roaming automatically registers you with the nearest site so you can travel and always stay connected.

## Greater system efficiency

Users will only register with the nearest site controller rather than all the controllers in the system. This dynamic site assignment makes the system far more efficient. It

uses only those resources that are needed at each site to complete your call, so the overall capacity of your system is increased.

## Save on infrastructure

To protect your investment in IT and IP (Internet Protocol) infrastructures, you can link multiple sites together using the technology you already have.

## Easy administration

The network manager interface makes it simple to bring new radios on line, to adjust priority levels and to monitor activity in real time and on a historical basis.

## High security

A three-level check helps to prevent unauthorized users from accessing the system while the network manager's disable feature makes it easy for you to remotely deactivate a lost or stolen radio. And you can control access to specific sites with site restriction capability.

## No downtime

The redundant controller and rotating control channel provide back-up capability to help minimize system down time. Seamless maintenance makes it possible to update radio records, add radios or even add sites without disrupting business activity.



## DELIVERING THE COMMUNICATIONS YOUR BUSINESS NEEDS

### CENTRALIZED ACCESS TO YOUR WORKFORCE

Keeping connected with a large workforce operating in the field is vital to keeping your business productive and your workers safe. With an IP-based wire-line console, you can have centralized dispatch capability for visibility and access to your mobile work teams no matter where the job takes them. When an urgent customer pick-up request comes into the office, dispatch can quickly locate the nearest driver and efficiently direct them to your customer's location. When your road repair crew finds a water main break across the city, dispatch can quickly contact the water department to turn off water flow to that area. Or when a sub-station loses power, dispatch can connect the field repairman with the main facility to assist with the repair.

### EXPERIENCE COMMUNICATIONS WITH NO LIMITS

MOTOTRBO Connect Plus makes it possible to expand your communications far beyond just voice. Integrated data applications give your workforce access to real-time information. Your workers get great convenience, and you avoid purchasing, installing and maintaining additional equipment.

This system supports text messaging for greater ease, accuracy and worker safety. For example, drivers can send a text confirmation when a customer delivery has been completed. Or when your work crew is perched twenty feet above the road repairing a traffic signal, you can send directions to the next job without distracting them from the one they are on.

To provide better, faster service, radios are equipped with an integrated GPS module. When used with a location tracking application, you can locate people and assets with a glance. This makes it easier to better manage your mobile work force. For example, you can quickly respond to incidents by locating the nearest employee and dispatching them to the scene. It also makes it easier to manage your fleet so you can make deliveries and drive routes more efficiently.

MOTOTRBO Connect Plus will have access to the industry's largest application developer programme. There are dispatch consoles to manage your fleet, network monitoring for system maintenance and improvement, work order ticket applications, email gateways and many more.

### CREATE A SAFER WORK ENVIRONMENT

Clearer, faster and more versatile communication is the critical foundation for a safe workplace. Clear audio is easier to understand and minimizes confusion. Dispatchers using GPS location tracking can quickly locate the closest vehicle or personnel to send when assistance is needed, and supervisors and managers can be equipped with priority access to communication during an emergency. Instead of interrupting drivers or machine operators with a call, text messaging provides the information they need at a time when it is safe to read. And seamless roaming keeps drivers' attention focused on the road instead of switching radio channels as they travel throughout the coverage area.



### ACHIEVE PERFORMANCE-CHANGING EFFICIENCY

When your mobile workforce is well connected, it is far easier for them to quickly address customer requests, handle tasks and complete repairs. And MOTOTRBO Connect Plus is so rich, so robust and so flexible, it has the potential to fundamentally change how employees are able to do their job.

MOTOTRBO Connect Plus provides you with the convenience of digital-clear voice and data communication in one device. Not only can you talk with your work force across a wide area, you can text your driver with directions to the next repair location and spot your employees in the field easier with GPS location tracking for quicker response to customer requests. Communication for your entire work area can be centralized through a dispatch console for unparalleled efficiency. And you can use the network manager for simple and seamless maintenance, without disrupting any business activity.

## SYSTEM CHARACTERISTICS

- TDMA 2:1 technology
- Available in UHF and VHF frequency bands
- Supports third party applications such as IP dispatch console with XRT 9000 gateway
- Peer site controller based architecture
- Uses rotating control channel (talk path)
- Redundant controller
- 15 repeaters per trunking site (29 voice/data talk paths)
- 35 trunking sites in a flexible system topology
- IP (Internet Protocol) site connectivity
- Supports DR 3000 or MTR3000 repeaters
- GPS-based location tracking (optional)

## MAIN TRUNKING FEATURES

- PTT-ID
- Dynamic site assignment
- Site registration
- Automatic site roaming
- Busy queuing and call back with user priority levels
- Selective call and call alert
- Multi-group call
- Radio disable/enable
- Radio check
- ESN system access verification
- Emergency operation
- Talk group scan
- Site restriction
- Optional man-down





A photograph of a power plant interior. A worker in a blue uniform and hard hat is walking on a metal walkway. The background shows complex machinery, pipes, and metal grates.

# GET THE POWER TO GET THE LIGHTS BACK ON

After the storms blew in, the lights went out and across the county 5,000 homes were in the dark. To get downed power lines back up quickly, you need to see which workers are closest to the scene and the fastest way to get them to the next critical outage. GPS equipped MOTOTRBO Connect Plus radios can show you at a glance where your crews are located, and wide area communication assures that you can reach them quickly and clearly.



## **MOTOTRBO PROFESSIONAL DIGITAL TWO-WAY RADIO SYSTEM**

You get enhanced features, increased capacity, voice clarity, and an incredible array of integrated data applications when you make the switch to MOTOTRBO.

Choose from a great selection of MOTOTRBO portable and mobile two-way radios as well as accessories so you can tailor your system to fit your business perfectly.

- TDMA technology delivers twice the calling capacity of FDMA and analogue radios for the price of one frequency licence.
- Infrastructure costs are half of FDMA-based digital systems because a second call doesn't need a second repeater.
- Text messaging, GPS-enabled applications and more are integrated to raise your communication to a new level.
- Static and noise are rejected to make voice communication remarkably clear.
- Factory Mutual (FM) certified models available.
- Meets demanding IP57 specifications for submersibility in water as well as U.S. Military Standard MIL-STD-810 and the Motorola-unique ALT standard for durability and reliability.
- Provides easy migration from analogue to digital because it can operate in both modes.
- Longer talk time and clearer audio are possible because of Motorola's state-of-the-art IMPRES™ technology.
- Complement your MOTOTRBO radio with a complete portfolio of Motorola Original® audio, battery, charging, carrying and mounting accessories.
- Fully backed by a two-year standard warranty with 1-year warranty for batteries and accessories.
- For complete peace of mind, Service from the Start provides multi-year coverage against normal wear and tear - and more. It offers fast repair turnaround times and expert telephone technical support; all backed by Motorola's globally integrated services infrastructure, highly qualified support technicians and certified repair facilities. Service from the Start with Comprehensive Coverage provides even greater support with the additional benefit of coverage against accidental breakage.

For more information on how to make your business more efficient and better connected, visit [motorolasolutions.com/mototrbo](http://motorolasolutions.com/mototrbo) or find your closest Motorola representative or authorised Partner at [motorola.com/Business/XU-EN/Contact\\_Us](http://motorola.com/Business/XU-EN/Contact_Us)

**MOTOTRBO**  
DIGITAL  
REMASTERED.

Distributed by:

---

---

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2012 Motorola Solutions, Inc. All rights reserved.

Motorola Solutions Ltd. Jays Close, Viabes Industrial Estate, Basingstoke, Hampshire, RG22 4PD, UK

EMEA version 1 (07/2012)