



# ***MOTOTRBO™ Capacity Plus***

Single-Site Digital Trunking



# ACCELERATE PERFORMANCE.

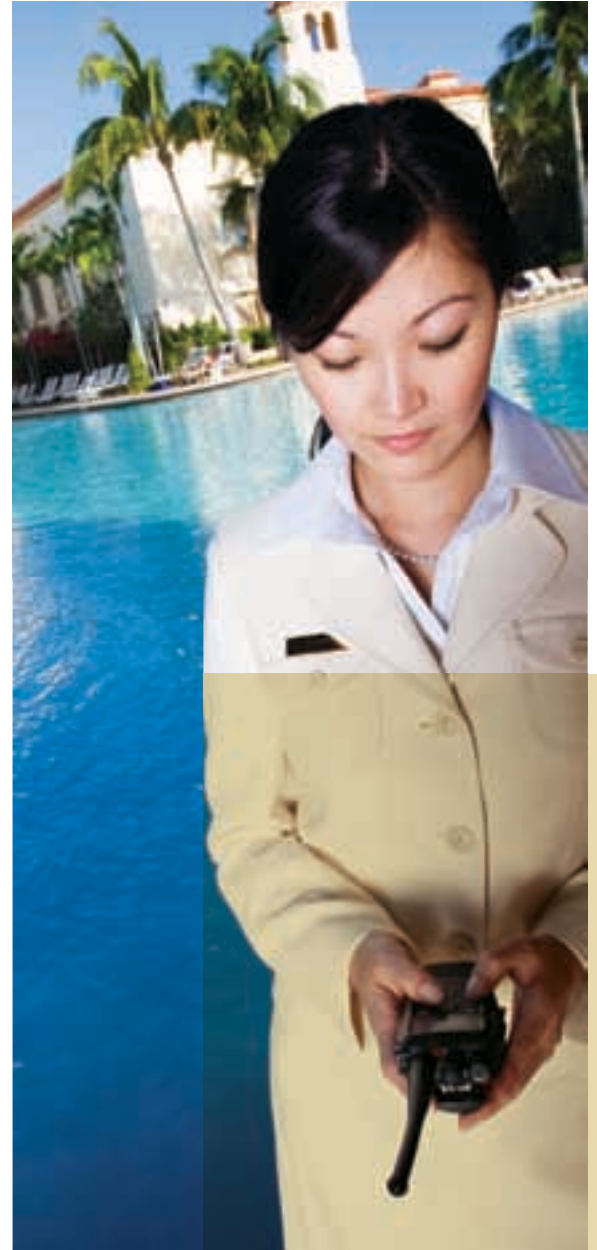
## **MOTOTRBO™ Capacity Plus**

Maximise your capacity.

Do you have a large number of employees who are organized into multiple work groups and need to share business-critical voice and data communications within a single building, on a campus, or at a manufacturing facility? Is your business growing to where you now need a two-way radio communication solution with expanded voice and data capacity? Are you currently using an analogue trunking system, but are ready to take advantage of the benefits of digital technology? If so, MOTOTRBO Capacity Plus is the solution for you!

MOTOTRBO is a standards-based, digital two-way radio communication system that delivers twice the calling capacity of analogue systems, as well as integrated data communications, enhanced voice communications and longer battery life. With Capacity Plus, you can further expand the capacity of your MOTOTRBO two-way radio system. Capacity Plus is a scalable, single-site trunking solution that enables up to 1200 MOTOTRBO radio users to share both voice and data communication on the same system.

Ideal for resorts, hotels, hospitals, warehouses, manufacturing plants and other medium to large single-site facilities, Capacity Plus allows your work force to quickly and efficiently share a large amount of business-critical communication resulting in increased productivity for your business.



## An efficient and cost-effective way to expand your communication system.

MOTOTRBO Capacity Plus is a unique, efficient two-way radio solution that provides reliable digital technology combined with the many benefits of traditional trunking systems. Employees can use both voice and data communication, all on the same system and without having to add new frequencies. This intelligent software solution enables you to maximise the full capacity of your MOTOTRBO system and quickly transmit business-critical information all while eliminating the need to purchase additional infrastructure.

Capacity Plus allows you to both expand and efficiently maximise the capacity of your MOTOTRBO two-way radio system providing your work force with the ideal communication solution.

# The features you want; the flexibility you need.

Capacity Plus expands your MOTOTRBO™ system by enabling you to link up to 12 voice paths and 24 additional dedicated data paths and depending on your needs, accommodates as many as 1200 users. By using a combination of those talk paths, Capacity Plus gives you the flexibility to address the communication needs of your business including voice communication, multiple data applications or a combination of both. While employees continue to use up to 12 talk paths for voice communication, the additional 24 dedicated data paths can be used to enable faster sharing of information such as GPS location coordinates, text messages, telemetry commands and much more.

## **MOTOTRBO Capacity Plus is a high capacity, voice and data communication solution that:**

- Delivers **5 times\* the capacity** of an analogue conventional system and up to **3 times\* the capacity** of an analogue trunking system
- Delivers **2 times\* the capacity** of a MOTOTRBO digital conventional system
- “Trunks” up to **12 digital voice talk paths**
- Allows up to **24 additional dedicated data paths**
- Accommodates up to **1200\* radios**
- **Integrates both voice and data** applications such as GPS-enabled location services, text messaging, telemetry and much more, on the same system
- Offers **system-wide calling capability** to communicate with all personnel at once
- Supports the MOTOTRBO **Repeater Diagnostic and Control (RDAC)** utility to help ensure the continuous performance of your system
- Integrates with existing MOTOTRBO systems via a **simple, software upgrade**

\*Based on Erlang C modeling using typical system configurations and traffic profiles.





### **MOTOTRBO™ Professional Digital Two-Way Radio System.**

MOTOTRBO combines the best of two-way radio with digital technology to bring you increased capacity, clarity, spectral efficiency and integrated data applications. With an open versatile portfolio of portable and mobile two-way radios as well as accessories, MOTOTRBO offers an open, standards-based solution that is both cost-effective and easily tailored to meet the communication needs of your business.

#### **Better Basic Features**

- Enhanced voice communications over a greater range
- Static and background noise rejection
- Offers up to 40% longer battery life compared to analogue and other FDMA radios
- Privacy without loss of quality
- Meets demanding specifications IP57 for submersibility in water; U.S. Military and
- Motorola standards for durability and reliability
- Fully backed by a two-year standard warranty

#### **Advanced New Features**

- Supports data applications such as text messaging, GPS-enabled applications and more
- Requires half the infrastructure costs of FDMA digital solutions as a second call doesn't require a second repeater
- Utilises Motorola's state-of-the-art IMPRES™ technology in batteries, chargers and audio accessories, providing longer talk time and clearer audio delivery
- Easier to integrate – the radios have a built in modem and USB and IP interfaces which makes the system easier to integrate with data devices and applications.
- New digital features: users can optimize workgroup communication with one-to-one, one-to-many and one-to-all calling models
- Built to the globally recognised European Telecommunications Standards Institute (ETSI) Digital Mobile Radio (DMR) Tier 2 digital radio open standard

#### **Flexible Migration**

Many businesses can't afford to completely replace an existing infrastructure at once. MOTOTRBO's ability to operate in both analogue and digital modes enables a smooth, planned migration at a gradual pace.



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MOTOTRBO CAPACITY BROCHURE-UK (06/09)



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