**MOTOROLA**
*intelligence everywhere*™

Assembled Trunking System
Two-Way Radio Communication Solutions

# ATS

**LTR® and PassPort® Trunking Protocols**

# ATS **PassPort**
Assembled Trunking System

# ATS **LTR**
Assembled Trunking System

**Motorola Two-Way Radios: The Flexibility You Need to Succeed**

To stay ahead in today's competitive marketplace, you have to make the most of every resource. That means working smarter than ever before—and having fast, reliable access to the people and information you need to get the job done. With two-way radio, that's exactly what you get.

At the touch of a button, two-way radio lets you talk with one, ten, or more people instantly—without costly airtime charges. Two-way radio provides the connectivity your team needs to maximize productivity and meet customers' demands. And with the wide variety of Motorola portable and mobile two-way radios available you have the versatility essential to fulfill all your communication requirements.
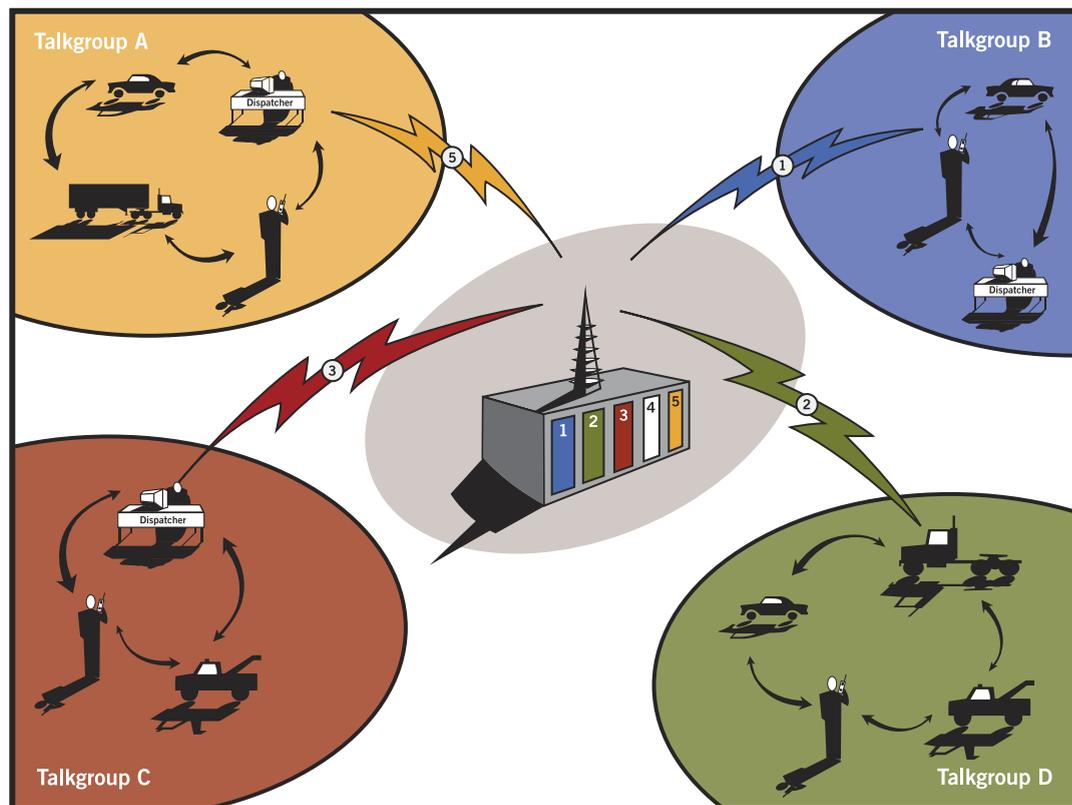
### The Trunking Advantage

An increasing number of forward-thinking businesses are utilizing the power of trunking for their two-way radio communication. Cost-effective and efficient, LTR® and PassPort® trunked communication provides wide calling range, great privacy, and fast channel access to help workers connect without delays—as well as high user and talkgroup capacity to enhance system efficiency. And by purchasing their own trunked systems, companies can gain the control and flexibility they need to keep costs low and communication quality high.

The Motorola Assembled Trunking System (ATS) offers businesses a unique opportunity to capitalize on the advantages of trunking. By providing a "one-stop-shop" solution, the Assembled Trunking System helps save companies the time and expense of having to research multiple vendors and products to build a personalized system. Motorola delivers all the expertise and equipment required to create a fully functioning, integrated two-way radio trunked network—quickly and easily.

### Motorola—A Name You Know and Trust

For over 75 years, Motorola has been a leader in creating state-of-the-art wireless communications for people like you—and the Assembled Trunking System upholds that superior standard. Each Motorola component is backed by a limited warranty* on parts and labor. So when you select the Motorola Assembled Trunking System, you'll experience the same exceptional quality and service you've come to expect from all Motorola products.

*Non-Motorola network components are backed by individual manufacturers' warranties, whose terms and conditions may vary.

**Motorola Assembled Trunking System**

The Motorola Assembled Trunking System automatically assigns each talkgroup to its own channel—allowing multiple talkgroups to transmit and receive messages through the system concurrently while helping to ensure privacy.



Talkgroup A

Talkgroup B

Talkgroup C

Talkgroup D

## Powerful Communication Made Simple

The Motorola Assembled Trunking System provides your business with a totally integrated and customized trunking system for both LTR and PassPort protocols. It combines the exceptional quality and functionality of Motorola trunking repeaters with components of other reputable vendors to create a complete network infrastructure designed to meet your specific needs.

Whether you want a smaller on-site system or a larger network to connect multiple locations, Motorola professionals will develop the best possible equipment configuration. Best of all, Motorola expertise helps ensure that your system can be up and running rapidly, so you can begin reaping the benefits of two-way radio with minimal effort.

## Valuable Advantages

When you select a Motorola Assembled Trunking System, you gain the following capabilities:

- **Significant time and cost savings** over the expense of assembling an on-site trunked system on your own and by lowering monthly rates and eliminating per-minute charges

- **Flexibility** to select from among the industry's best components to meet your specific business needs for coverage and capacity

- **Great privacy and security** gained from owning your own trunked system, so you can better protect your company's confidential information

- **Outstanding versatility** to accommodate a wide range of mobile and portable two-way radios that meet your changing communication requirements

- **Wide area coverage and faster channel** access so users can connect quickly and work effectively

- **Rapid, easy installation** to help ensure that you'll enjoy trouble-free operation and reap the benefits of your system immediately

- **Easy migration capabilities** that enable a smooth transition from conventional to LTR and PassPort systems

- **Scalable design** that lets you expand your system to increase user and talkgroup capacity—protecting your investment and giving your business room to grow

- **Pre Sale and Post Sale Engineering Services** available as a sold service to help ensure that your specific needs are met the most efficiently

So don't wait. Call your Motorola Authorized Two-Way Radio Dealer today to learn how the Assembled Trunking System can deliver for your business—and find out how simple the power of trunked communication can be.
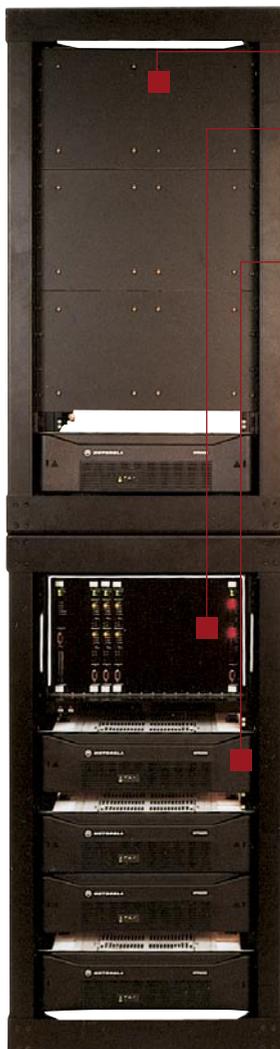
# ATS PassPort and LTR

## Motorola Assembled Trunking System

### PassPort Trunking*

Ideal for users with growing communication needs, innovative PassPort trunking systems give you all the advantages of LTR trunking plus much more. Automatic signal switching between networked sites provides wide area coverage and seamless roaming capabilities, letting you maintain constant communication over long distances without touching a button. Received Signal Strength Indicator (RSSI) technology maintains the required signal strength without fading or losing audio quality as you travel throughout the network. PassPort automatic site registration/deregistration feature can reduce busy channels, giving you outstanding system access. Direct frequency assignment allows you to add channels and sites over the air without taking radios out of service, enhancing your system's efficiency. And electronic serial number protection helps keep system resources available by preventing unauthorized radio cloning.

### LTR Trunking*

LTR trunking systems take the power of your two-way radio communication to a whole new level. Efficient and cost-effective, LTR trunking gives you a wide calling range, fast channel access, great privacy, and high user and talkgroup capacity—accommodating virtually all your business communication needs. These systems help you maximize your resources by providing the steady, dependable connections you need to get the job done right.

**Transmit Combiners** Combines multiple transmitters to a single output

**Trident NTS[1] – Networked Trunking System** Supports both PassPort and LTR protocols simultaneously. One NTS network can support up to 127 PassPort sites. Also supports PassPort NTS Xtend and PassPort Raider Xtreme products.

**Repeaters** Your choice of Radius® R1225, MTR2000, Quantar Limited, MX800

**Receiver Multi-Coupler** Provides multiple outputs to receivers (on back of unit)

**Preselector Window Filters** Provides filtering for the receivers (on back of unit)

**Motorola Customized Rack** R56 option available

[1]NTS ships separately unless service negotiated or required.

**Transmit Combiners** Combines multiple transmitters to a single output

**Trident Trunking Logic Controller** Your choice of:
– Raider® – provides LTR dispatch service
– Marauder® – provides LTR dispatch and interconnect service

**Repeaters** Your choice of Radius® R1225, MTR2000, Quantar Limited, MX800

**Receiver Multi-Coupler** Provides multiple outputs to receivers (on back of unit)

**Preselector Window Filters** Provides filtering for the receivers (on back of unit)

**Motorola Customized Rack** R56 option available

**PassPort**

**LTR**

*Staging available on quote basis.

**For more information,** please contact:

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