SMARTPTT PLUS CONTROL ROOM SOLUTION FOR MOTOTRBO™

Centralized coordination is the key to an effective workforce. That's why it's so important to have a control room solution in your two-way radio system. You need a solution that builds on traditional dispatch functionality to deliver business-critical tools like location tracking, voice recording, and network monitoring. SmartPTT PLUS is a flexible, customizable solution that gives you exactly what you need to manage your organization reliably, efficiently and cost-effectively.

Versatile and powerful, MOTOTRBO fuses the best of two-way radio functionality with the latest digital technology to give you instant communications across your organization. With a comprehensive portfolio of radios, accessories, systems, and applications, MOTOTRBO can take you to new levels of safety, productivity, and efficiency.

SmartPTT PLUS is a control room solution that's closely integrated into the MOTOTRBO system infrastructure to deliver flexible and scalable console functionality. Based around an IP network, it gives you smooth scalability so that your system can grow with your organization's needs.

The solution's IP connectivity also enables you to deploy SmartPTT PLUS as a geographically distributed system, with consoles located wherever you need them. A highly customizable user interface allows you to manage your organization in the way that suits you best. The solution is modular, so you only need to buy the functionality you need.

SmartPTT PLUS sits at the heart of your business communications system, and is designed to be iron-tight reliable. The architecture has no single point of failure, and has options for redundancy and distributed event and voice data storage.

SOLD AND SUPPORTED

MOTOROLA SOLD AND SUPPORTED

Exclusively available through Motorola Solutions and supported by our customer service teams, SmartPTT PLUS offers the most advanced features for radio fleet management, dispatch, voice and data communications. It uses the MOTOTRBO wireline network interface to connect directly with the system over IP. This improves system stability, security and reliability but also reduces hardware overheads and can lower maintenance costs. SmartPTT PLUS has undergone stringent quality testing in conjunction with the Motorola Solutions labs to ensure it meets the highest standards of quality and delivers an exceptional customer experience.

POWERFUL FUNCTIONALITY

SmartPTT PLUS keeps operators in complete control of even the most demanding multi-site systems. Designed with the dispatcher in mind, a wide variety of everyday operations can be automated using defined rules and smart tools such as scheduled text messages, voicemails for offline radios or geofencing. Dispatchers can now monitor the status of users and their location with live updates, while assigning tasks to the most relevant resources, and improving the personnel safety with automatic alarms. SmartPTT PLUS also offers system monitoring tools to help you maintain the health of your radio system. It works seamlessly with Motorola's WAVE solution to give your dispatcher full voice access to the mobile devices on your MOTOTRBO system.
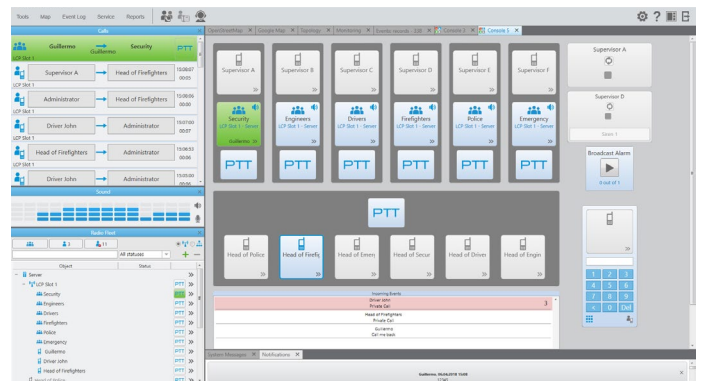
SIMPLE AND ROBUST

A key benefit of SmartPTT PLUS is the MOTOTRBO wireline network interface which establishes a direct link between the control room and the radio system. Connectivity is simplified for a more cost-effective and reliable solution architecture. Dispatchers benefit from an enhanced experience with full transparency, recording of all group and individual calls and more communications security from the radio to the application.
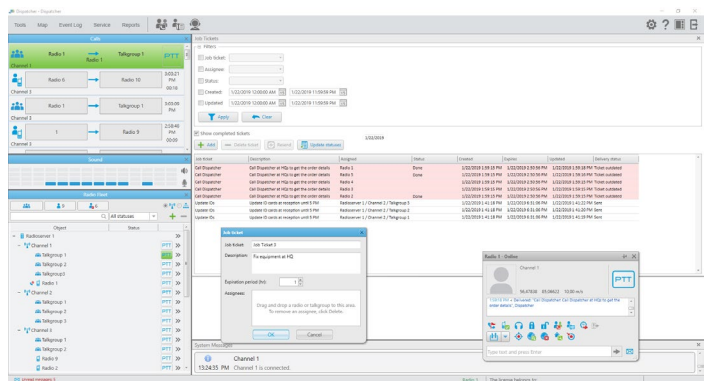
MODULAR AND FLEXIBLE

SmartPTT PLUS is modular so you only have to buy the features you need. It can be tailored to individual requirements to ensure optimum performance across a range of industries. It is also easily scalable from small to large systems that are ready to grow with your business as it expands.
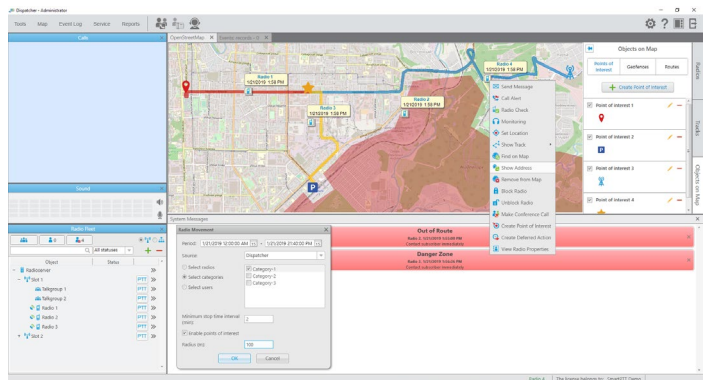
TRIED AND TESTED

Developed specifically for MOTOTRBO professional digital two-way radio systems, SmartPTT PLUS has been tested in Motorola's engineering labs to ensure the highest quality performance and seamless integration into the MOTOTRBO system.
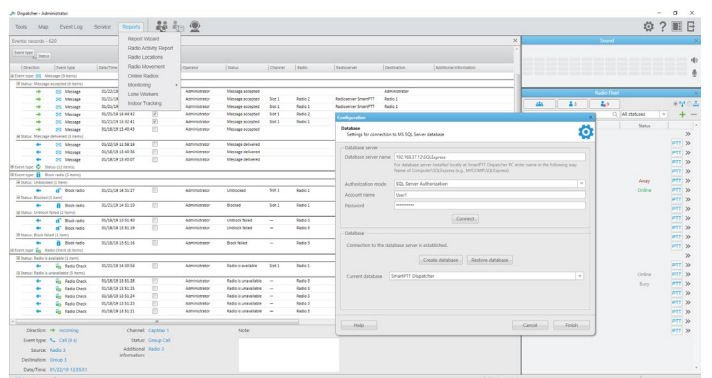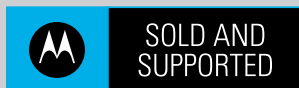
Voice Dispatch

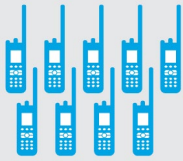Text Messaging and Telemetry

Location Tracking

Event Logging

FEATURES

CORE

FLEET ADMINISTRATION
Efficiently manage fleet operations and remotely control radios. Get live status updates and configure the radio to send online/offline reports to the server.

EVENT LOGGING
Log all system events including voice calls, text messages and status changes. Customize rules, filter and group events or generate reports detailing location and radio status.

ALARM AND LONE WORKER
Improve the safety of personnel with automatic alarms and lone worker protection. The alarm can also be sent as an automated message, e-mail or SMS.

VOICE DISPATCH
Provide communications between the dispatcher and remote radios. Make broadcast, group, private, remote monitor or emergency calls quickly using programmable shortcuts.

JOB TICKETING*, **
Create, assign and monitor job tickets through the radio network to deliver routine tasks more efficiently. Radio users can accept or decline the job ticket by simply pushing a button.

TELEMETRY*
Monitor and manage remote equipment from the control room. The system supports native MOTOTRBO telemetry with multiple profiles supported for different devices.

TEXT MESSAGES AND EMAIL
When you need silent communications or referencable instructions, send broadcast, group, or private text messages. Radio users can text back to the dispatcher.

OPTIONAL

AES ENCRYPTION
Secure your communications with the industry-standard 256-bit encryption scheme.

INDOOR POSITIONING
Track personnel and business assets inside your facility with an indoor location system.

SYSTEM MONITORING**
Monitor the performance and utilization of your system: Real-time activity; diagnostics and control; alarm log and alarm notifications; RF coverage map; analytics and reports.

VOICE RECORDING
Continuous voice recording of all calls with playback for analysis, reporting or training purposes. Audio files are stored in MP3, OGG, or WAV format on the Radioserver and Dispatcher.
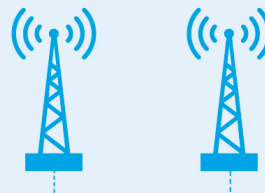
WEB CLIENT
Empower remote dispatchers to access the system using a web interface.

4-WIRE
Interface easily with lagacy analog system using the 4-wire voice interface. The system bridges analog calls and MOTOTRBO group calls.

IP SYSTEM BRIDGE**
Communicate between radios located on different networks. Interconnect geographically distributed systems and set up permanent and dynamic bridging of voice and data calls.

RF COVERAGE MONITORING*
Maximize system performance and make sure everyone is connected with RF coverage maps. These provide a graphical representation of network coverage based on the RSSI level of signals received from GPS-enabled MOTOTRBO radios.

GPS TRACKING
Follow workers, vehicles and business assets in real-time to ensure maximum safety and productivity. View routes, set up geo-fencing and log radio movements using a configurable set of rules.

PHONE INTERCONNECT*
Serve and monitor voice calls between MOTOTRBO radios and telephones. Empower your dispatcher to make and receive telephone calls through the dispatcher console.

* Not available for Connect Plus systems
** Not available for Capacity Max systems

SPECIFICATIONS

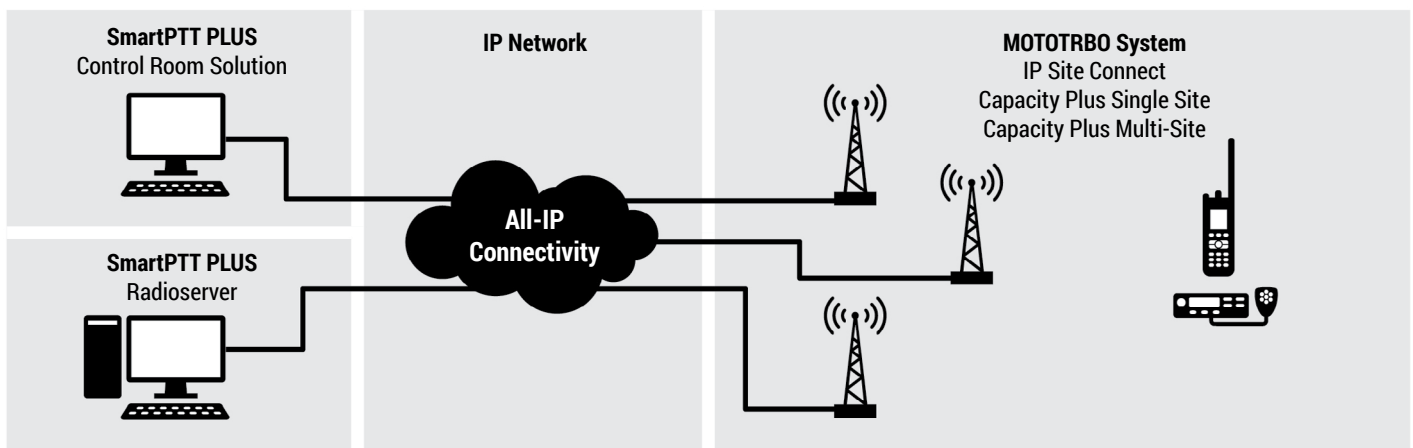| RADIOSERVER PC SPECIFICATIONS	DISPATCH CONSOLE SPECIFICATIONS	IP BANDWIDTH	MOTOTRBO FIRMWARE
• Intel Core i5 processor or higher • 4GB RAM or more • Hard drive: at least 40 GB for database server and voice recordings • Network adapter • Windows 8.1, Windows 10, Windows Server 2012 R2, Windows Server 2016	• Intel Core i5 processor or higher • 4 GB RAM or more • Hard drive: at least 20 GB for database server • Sound card and video adapter • Network adapter • Sound recording and playback devices (e.g. microphone and speakers) • Windows 8.1, Windows 10	• Between Server and MOTOTRBO infrastructure: 19 kbps per voice transmission • Between Server and Client: 13 kbps per client per voice transmission • Radioserver / Dispatch Console to SIP Server: 30 kbps per voice call	• Radio Firmware Version: R2.8 or higher • Repeater Firmware Version: R2.8 or higher • Connect Plus version: R1.8 • Capacity Max System Server: R2.9 or higher

Note: Final system specifications will depend on actual MOTOTRBO system size and configuration.
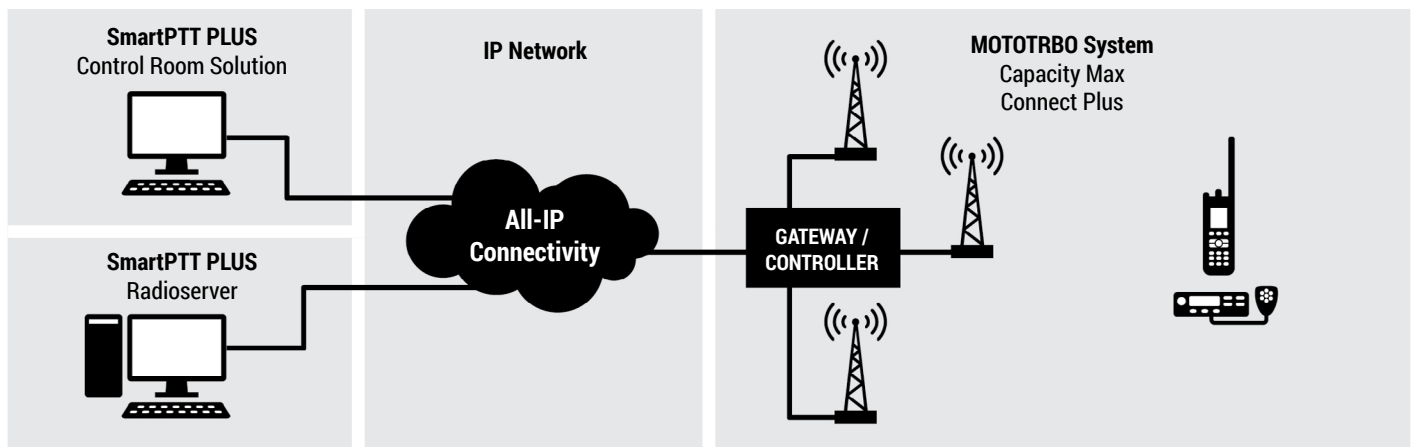
LANGUAGES SUPPORTED

Arabic, Brazilian Portuguese, Croatian, English, French, German, Hungarian, Italian, Korean, Polish, Russian, Serbian, Slovak, Spanish, Simplified Chinese, Traditional Chinese, Turkish. Other language versions can be developed on request.

ARCHITECTURE

1: Direct connection to repeaters, for IP Site Connect, Capacity Plus systems

SmartPTT PLUS Control Room Solution

IP Network

MOTOTRBO System IP Site Connect Capacity Plus Single Site Capacity Plus Multi-Site

SmartPTT PLUS Radioserver

All-IP Connectivity

2: Connection to controller, for Capacity Max, Connect Plus systems

SmartPTT PLUS Control Room Solution

IP Network

MOTOTRBO System Capacity Max Connect Plus

SmartPTT PLUS Radioserver

All-IP Connectivity

GATEWAY / CONTROLLER

*MOTO***TRBO**™
DIGITAL REMASTERED.

MOTOROLA *SOLUTIONS*