

MOTOBRIDGE™ IP Interoperable Solutions

Proven mission critical performance you can count on.





MOTBRIDGE IP Interoperable solutions are scalable for cost-effective and flexible deployment.

When the storm hits... when the suspects flee... when a VIP is coming to town... there's no time to wait. Federal, state and local agencies with incompatible voice systems can communicate immediately with a MOTBRIDGE IP solution. Connections between disparate systems can be activated in seconds, regardless of whether you need communication on-site or statewide.

With MOTBRIDGE, there is no need to worry about downtime while adding users from different networks. The design of MOTBRIDGE allows for intuitive, software-based configuration, without a technician on site, increasing the efficiency and effectiveness of first responders on the scene of an emergency.

Designed to Survive

Unlike some bridging solutions that use a central audio processor, the MOTBRIDGE IP solution uses a distributed architecture with no single point of failure. If one piece of equipment is damaged, or if the power goes out at a given location, all other components of the network will continue to operate. An intelligent network of peer-to-peer gateways maintain talk-paths in the event of PC failure. The distributed architecture also means there is no central hub through which all communication and commands must flow. Any number of authorized users can simultaneously set up talk-paths in a few seconds.

Superior Audio Quality

Being able to clearly hear first responders on-scene is a critical requirement during emergency situations. MOTBRIDGE users experience fast PTT and

reliable audio over IP. Encrypting audio between gateways with FIPS 140-2 AES does not delay voice performance. Advanced radio and voice signaling intelligently buffers audio from different systems, virtually eliminating the possibility of garbled or clipped audio. This allows emergency responders to clearly hear the entire message, enhancing on-scene communications and interoperability.

Highly Scalable

MOTBRIDGE IP is easily expandable from a portable, on-scene solution to a city, county or statewide solution. Scalable with complete re-use of equipment, and easily software upgraded from a central location, as your needs change. There is no limit to the number of agencies, users and dispatch positions that can be added.

For large MOTBRIDGE networks, sophisticated operations management and standards-based SIP server applications off-load system-wide information, such as user priorities, privileges and IP addresses, from the gateways. The addition of management components for larger systems ensures the MOTBRIDGE network remains robust.

Interoperate Across Disparate Networks

MOTOBIDGE IP is an adaptable solution for interoperability across a wide range of networks and user devices. Intelligent, robust gateways provide advanced radio and signaling capabilities to ensure mission critical performance. The ability to transmit emergency alarm notifications between connected users, regardless of network is one of the key advantages. MOTOBIDGE also recognizes trunked radio tones, such as accept and deny, from any manufacturer's system.

Networks that can be supported for interoperability include:

- Two-way radio systems
 - Analog Conventional with MDC 1200 signaling
 - Digital Conventional with ACIM signaling
 - Project 25 systems
 - MOTOTRBO™ radio systems
 - SMARTNET™, SmartZone™, ASTRO® 25 systems
 - Radio systems from any manufacturer
- Telephone (IP, Cellular, and Landline)
- Sprint® Push-to-Talk Networks
- Systems connected through other bridging solutions using Bridging Systems Interface (BSI)

IP Dispatch

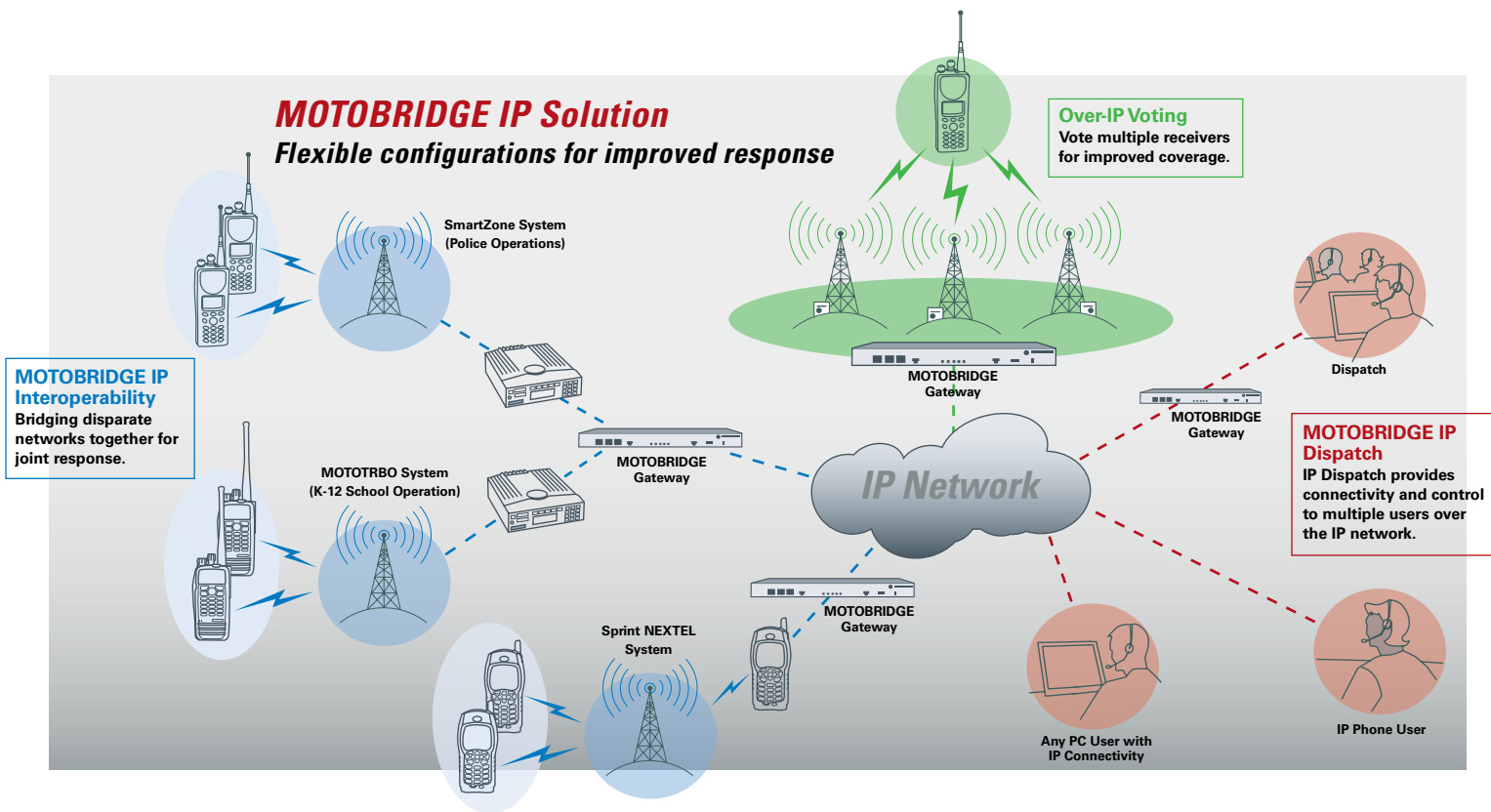
MOTOBIDGE offers an IP dispatch application that can be used to dynamically connect disparate networks, or provide over-IP control for a single network. Dispatchers, network administrators or other authorized personnel can set up connections in seconds or communicate with radio users using a simple graphical user interface.

Complex emergency communication plans can be established and then pre-configured, stored, and activated at the click of a mouse the moment an emergency occurs. With the unique Virtual Control Head feature, the user can change and perform all functions of a connected Motorola radio from a dispatch point. Various dispatch control points and telephone users can be connected via full-duplex telephone conferencing for joint response planning.

With MOTOBIDGE remote dispatch, office or field users can connect to the IP network from anywhere and monitor or control a situation with no additional hardware beyond their PC and a headset. Dispatchers can record audio and instantly replay the last 60 seconds of a call, or capture months or audio and system data with a dispatch logging application.

Over-IP Radio Voting

MOTOBIDGE can also be used to seamlessly connect systems that experience coverage issues. Multiple receivers from the same system can be placed in an area where mobile radios would otherwise experience "dead spots" coverage issues. Each receiver can be connected to a MOTOBIDGE gateway for it's signal strength to be "voted" by a MOTOBIDGE voting gateway. Each voting gateway will support up to 64 receive sites. This unique solution provides over-IP radio voting capability using the same components used for interoperability. Voted audio is sent over IP to MOTOBIDGE dispatch, which then applies the voting logic in the outbound direction using one of several possible methods, such as Transmitter Steering or Wide-Area Voting.



MOTOA⁴TM

MOTOA4 Mission Critical Portfolio

MOTOBIDGE is part of the MOTOA4 Mission Critical Portfolio offering seamless connectivity between first responders. Motorola puts real-time information in the hands of public safety and government personnel to provide better information that enables better decisions for better outcomes. It's Technology That's Second NatureTM.

For more information on MOTOBIDGE IP solutions or the entire MOTOA4 mission critical portfolio, please visit our website or contact your Motorola representative.



motorola.com/MOTOBIDGE

MOTOBIDGE Complies with the Bridging Systems Interface (BSI)

BSI is intended to improve emergency response by enabling the connection of systems working through other manufacturer's bridging solutions. The U.S. Department of Homeland Security's (DHS) Office for Interoperability and Compatibility (OIC); the National Institute of Standards and Technology (NIST) Office of Law Enforcement Standards (OLES); and the Institute for Telecommunication Sciences (ITS) worked with public safety and industry representatives, including Motorola, to develop the BSI specification. MOTOBIDGE fully complies with the BSI specification.



MOTOROLA

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