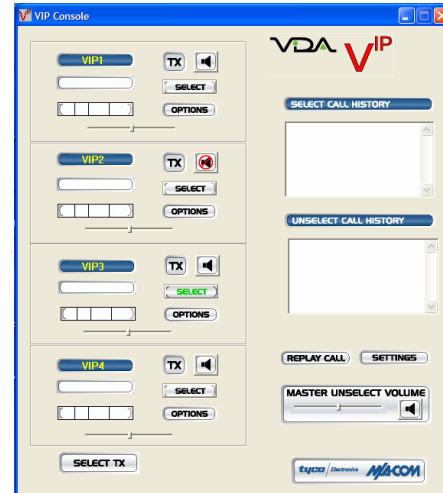


The V<sup>IP</sup> Console was designed as a powerful, yet compact network dispatch radio solution. With its four talkgroup monitoring capability, it is perfect for administrative monitoring of system communications. For all its performance, it is simple, organized, and efficient to use.

The V<sup>IP</sup> Console uses state-of-the-art Internet Protocol (IP) technology to connect directly to M/A-COM IP networks, providing fast, efficient, and secure connections.

The V<sup>IP</sup> Console leverages the power of IP to provide a unique network connected radio solution.



## Product Overview

The V<sup>IP</sup> Console provides a flexible solution for tracking radio system communications. Created for the non-critical and backup dispatch user, it also allows the administrative user an easy way to monitor radio system communications. The V<sup>IP</sup> Console provides easy access to basic and enhanced dispatch functionality. The simple, intuitive design of the V<sup>IP</sup> Console is easy to use.

### Powerful, Compact Communications

The V<sup>IP</sup> Console provides powerful, yet compact dispatch capabilities when the full-featured C3 Maestro<sup>IP</sup> Console is not required. With four communications modules, it is perfect for administrative monitoring of system communications. Since the console can run on a standard PC desktop workstation, no extra equipment is needed.

### Project 25

Project 25 support provides an additional layer of security for communications. The V<sup>IP</sup> Console supports the

Project 25 IMBE™ vocoder as well as the OpenSky AMBE™ vocoder.

### The Power of IP

The V<sup>IP</sup> Console uses the power of IP and M/A-COM's OpenSky and NetworkFirst technologies to lead the way into the future of dispatch. IP technology provides unparalleled flexibility. The cumbersome dedicated console electronics controller interface equipment is no longer needed. The V<sup>IP</sup> Console can be connected virtually anywhere network access to the M/A-COM IP Network exists.

### Secure Communications

The V<sup>IP</sup> Console uses digital audio technology to provide end-to-end secure communications that are free from unauthorized access. The digital audio vocoder is integrated with the application. Digital audio is encoded and decoded within the V<sup>IP</sup> Console application without analog audio being routed through the infrastructure. There is no compromise of security by using an external vocoding device. Both

AMBE and Project 25 IMBE vocoders are supported.

### OpenSky Dispatch IP Interface

The OpenSky Dispatch IP Interface provides the V<sup>IP</sup> Console with IP connectivity to M/A-COM IP networks. The V<sup>IP</sup> Console uses a single connection to the M/A-COM IP Network. This interface provides user authentication and registration services. The V<sup>IP</sup> Console comes enabled with one OpenSky Dispatch IP Interface talkpath included.

### For More Information

For more information about this or any other M/A-COM Wireless Systems product, call toll free in the U.S. 1-800-368-3277. From outside the U.S. call 1-434-455-9223 (Asia Pacific), 1-434-455-9229 (Latin America and Middle East), and 1-434-455-9219 (Europe).

## OpenSky

M/A-COM's OpenSky Wireless Private Network is a fully interoperable digital trunked communications network for public safety, utility, federal, transit, and industrial markets. OpenSky is a complete end-to-end Voice over Internet Protocol (VoIP) solution and employs packet technology to provide integrated voice and data. The OpenSky radio network is the only private land mobile radio communications system that provides clean integration of data messaging with trunked digital voice on the same RF channel. Integrated voice and data over Time Division Multiple Access (TDMA) allows users to perform multiple communication functions at the same time on one radio. The use of TDMA doubles call capacity by allowing two simultaneous voice calls per 25 kHz channel.

## NetworkFirst

Public safety communications in today's world faces unprecedented challenges. More than ever, Homeland Security and Situation Readiness depend heavily on effective communication among federal, state, county, and local agencies. M/A-COM's NetworkFirst answers the call for an emergency communications network that provides local, regional, state, and even nationwide connectivity. NetworkFirst uses cost-effective Internet Protocol (IP) packet switched technologies to provide a fast, cost-effective means of achieving multi-agency interoperability, regardless of radio type, frequency, or mode. NetworkFirst creates the most technologically advanced permanent communications network available in the industry today, providing a technology backbone that is extremely flexible, allowing communications requirements to expand – without a wholesale system changeout.

## P25<sup>IP</sup>

M/A-COM's P25<sup>IP</sup> (P25 to the power of IP) is the first completely Internet Protocol (IP)-based mobile radio communications system developed for users requiring the secure digital voice and data capabilities of Project 25 (P25). P25<sup>IP</sup> is part of a portfolio of solutions that M/A-COM offers for wide-area communication systems – each of which is capable of meeting the communications requirements of public safety, public service and first responders. Within the M/A-COM portfolio, the P25<sup>IP</sup> network provides an excellent fit for those agencies which have lower user densities (few users covering larger geographic areas) but still require feature-rich secure voice and data communications. P25<sup>IP</sup> is also particularly appropriate for users operating with non-exclusive VHF and UHF frequencies. For federal users, P25<sup>IP</sup> meets the Congressional and NTIA mandates for the narrowband (12.5 kHz) migration.

## Dispatch Features

The V<sup>IP</sup> Console supports the basic dispatch functions such as selected and unselected talkgroup monitoring, selected and instant transmitting, and independent volume and mute controls for each monitored talkgroup. Additional basic features include selective calling and caller alias. Enhanced functionality includes emergency status monitoring and clearing and creating Patches and Simulselects.

## System Interface Requirements

The performance of the V<sup>IP</sup> Console relies on the PC and network on which it operates. For Public Safety Dispatch, M/A-COM strongly recommends that the console be used on a dedicated PC meeting the specified requirements and with a dedicated WAN/LAN connection that ensures the grade of service required by the public safety user it is serving. Performance cannot be guaranteed when used with other applications, customer-supplied computers, or with an unknown, heavily loaded, or congested network.

## System Requirements

PC Workstation	Pentium® 4-class PC (with two speakers, microphone, and headset)
Sound card	Sound Blaster® 5.1
Network Interface	100 Mb

## Optional Hardware

- Footswitch (single button)
- Dispatch grade desk mic
- Dispatch grade operator headset
- User Interface Adapter. One required per position when any of the optional user interface devices are used.

## Optional Software Features

- Additional Dispatch IP Interface Talkpath License
- Integrated Call Check recorder
- Call History
- Patch License
- Simulselect License
- M/A-COM Messaging Service

## M/A-COM Wireless Systems

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