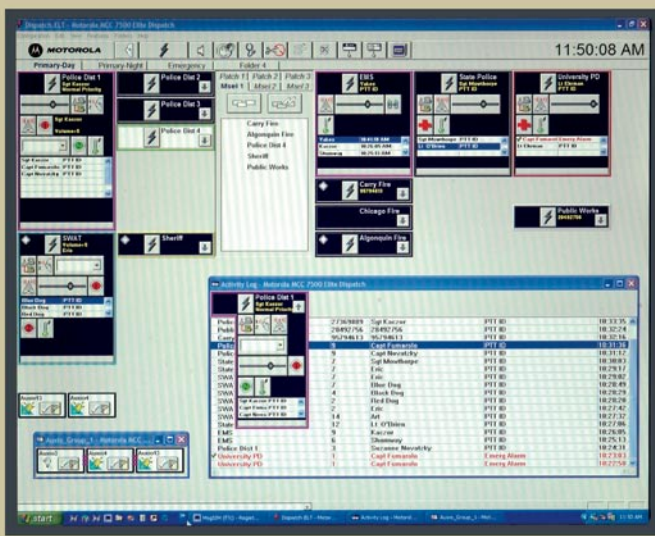


# MCC 7500 IP Dispatch Console



The MCC 7500 Dispatch Console is a Mission Critical IP command and control solution designed to ensure optimal quality audio and reliable communication. Console positions are connected directly to the IP network which supports communication with both trunked and conventional radios and all other dispatch activity. Integration of the MCC 7500 positions with the radio system enables full participation priority handling of emergency calls, and Agency Partitioning. Each console is centrally configured and managed from the network manager, providing vital efficiency.



The Motorola MCC 7500 IP Dispatch Console is designed to ease the complex job of a mission critical radio system dispatcher.

### Easy to Use, Flexible, and Customisable User Interface

Features the Elite Graphical User Interface (GUI) that has been refined and proven through years of use in mission critical dispatch operations. This eases migration and minimises user training requirements.

Intuitive and familiar GUI is based on Microsoft Windows® and uses easily recognised icons and aliases.

Flexible and customisable GUI provides multiple screen layouts (folders) to organise resources by agency, shift, or any criteria that meets the needs of the console user(s).

Trunked and conventional radio channels are customisable with various controls, such as patch status and individual volume control, based on user preferences. Per-channel controls can be fully or partially shown, or hidden to save space on the screen.

Busy dispatchers can respond to a missed call by simply clicking on an entry in the Activity Log. The number of calls and call information displayed in the Activity Log is customisable to suit the needs of the user(s).

Multiple, configurable speakers with individual volume controls provide flexibility in how audio is presented. Speakers can be placed on the desktop or mounted on the wall or in furniture. The user can have some speakers close and move others further back to best suit their needs.

### Operator Position Components



Operator Position shown with GPIOM mounted on desktop under monitor (PC tower not pictured)



GPIOM rear view



Gooseneck Microphone



Standalone Speakers provide ample flexibility



Recommended Plantronics SupraPlus headset



## Key Features

**Works with CENTRACOM:** The MCC 7500 console can be combined in the same dispatch center with CENTRACOM Elite, with robust feature interaction.

**Agency Partitioning:** Allows multiple agencies to share a system to gain interoperability and cost savings benefits, while still maintaining control of their own channels console configuration, etc.

**Priority for Emergencies:** Transmit Priority Levels provide an orderly and consistent method for ensuring higher priority transmissions are able to take over resources from lower priority transmissions. This provides the dispatcher with necessary control in urgent situations.

**Optimised Patch Functionality:** MCC 7500 console users can patch communication between trunked and/or conventional radios that are normally unable to communicate with each other.

Patched radio users see the ID or alias of the other patched radio(s), as opposed to that of the console. This minimises confusion and the need for the dispatcher to intervene in the call. Patches are automatically re-established if interrupted so the MCC 7500 user can concentrate on continuing operations.

## The MCC 7500 dispatch solution consists of the following:

### **MCC 7500 Dispatch Console Operator Position**

MCC 7500 operator positions connect directly to the radio system's IP transport network without gateways or interface boxes. Audio processing, and switching intelligence for dispatch is performed within each software-based operator position, without additional centralised electronics. Consoles function as integrated components of the total radio system, enabling full participation in system level features such as agency partitioning.

Operator position hardware consists of a monitor, personal computer equipped with an MCC 7500 voice card, keyboard and mouse/trackball/touchscreen, speakers, audio accessories, and a General Purpose Input/Output Module (GPIOM). The GPIOM provides connections for analog devices to be connected to the digital console. The low-profile GPIOM can be rack mounted, furniture mounted, or placed on the desktop.

The MCC 7500 console system does not require separate configuration or performance management equipment. The MCC 7500 console system is configured and managed by the radio

system's configuration manager, fault manager and performance reporting applications. This provides the customer with a single point for configuring and managing the entire radio system, including the console portion. Changes are automatically distributed throughout the system. This centralized approach saves valuable time and efforts for system administrators and technicians.

MCC7500 supports cohabitation of Radio Control Manager (RCM). This is a network management application capable of supporting Radio Check, Selective Inhibit, Dynamic Regroup, changes and others.

### **Conventional Channel Gateway (CCGW)**

The CCGW enables trunked system users to incorporate conventional channels into their dispatch operations without a separate hardware network and channel banks. Conventional audio is transported between the dispatch consoles and the CCGWs by the same IP network that is used for the trunked audio. The CCGW is a router that provides E&M and tone remote station control and supports the 4-wire analog connections for conventional. Each CCGW in a system can support up to four channels.

### **Archiving Interface Server (AIS)**

The AIS is a digital logging interface used with the MCC 7500 dispatch console(s) in a radio system. It is comprised of a personal computer with a Motorola Voice Card installed inside of it. Each AIS works with an IP-based logging recorder. Audio and call control information is sent across the IP network between the AIS and recorder. Unique features provided by the MCC 7500 logging solution include:

- Recorded audio quality equivalent to audio heard at console position.
- Information associated with radio calls recorded in addition to the call audio.
- Dispatcher and radio initiated events on radio channels (such as changing the frequency, sending an alarm) are also recorded.
- Recorder capacity based on the number of radio transmissions it will need to record simultaneously, not on the number of channels it may record.
- Supports Agency Partitioning, enhancing control over which resources are recorded by which agency or department.
- Security and fault management centralised at the radio system's network manager.
- Highly configurable what does and does not get recorded.

<b>Specifications</b>		
Monitor requirements	LCD 17" or 19" furniture mount, Desktop –supports monitor up to 80 lbs	
GPIOM connections	Device	Connector type
	One desktop microphone	RJ45
	Two headset jacks connectors	DB15
	Four desktop speakers	RJ45
	One local logging recorder	RJ45
	One radio instant recall recorder	RJ45
	One external telephone set	RJ45
	One footswitch	RJ45
GPIOM audio inputs and outputs	600 Ohm, balanced and transformer coupled (except for microphone which is 2000 Ohm, balanced, and does not use a transformer)	
Speaker Mounting Options	Desktop	
Supported Console Site Link types	Fractional, Single, Multiple Redundant and non-redundant versions are supported	

<b>Size and weight</b>	<b>Device</b>	<b>Height</b>	<b>Width</b>	<b>Depth</b>	<b>Weight</b>
	MCC 7500	17.75 inches*	6.75 inches*	18 inches*	40 lbs*
		450 millimeters*	171 millimeters*	457 millimeters*	18 kg*
	GPIOM	1.75 inches	16 inches	10.6 inches	7.8 lbs
		44.5 millimeters	406 millimeters	270 millimeters	3.5 kg
	Speaker	4.9 inches	4 inches	Without bracket:	0.7 lbs
		124 millimeters	102 millimeters	3.5 inches	0.3 kg
				89 millimeters	
				With bracket:	
				5.8 inches	
				146 millimeters	
Headset Jack	1.6 inches	5 inches	6 inches	1.2 lbs	
	41 millimeters	127 millimeters	152 millimeters	0.5 kg	
Microphone	Gooseneck at 180°	4.8 inches	6.6 inches	2.4 lbs	
	21.8 inches	121 millimeters	168 millimeters	1.1 kg	
	552 millimeters				
	Archiving Interface	17.75 inches*	6.75 inches*	18 inches*	40 lbs*
	Server (AIS)	450 millimeters*	171 millimeters*	457 millimeters*	18 kg*

#### **Power Consumption and Thermal**

<b>Device</b>	<b>Power Input</b>	<b>Thermal Output</b>
Processing Package	215 W	734 BTUs/hour
GPIOM	150 W	512 BTUs/hour

\* AIS and Processing Package dimensions, weights, and power values are approximate and will vary with configuration and model of PC. All specifications subject to change without prior notice.



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