



MCN Server 8000™ v8.10 for Motorola Solutions IP Comparators

CTI Technician Screen - McnServer 8000									
File Options View Help									
Police	Fire - EMS	Trunking	Trunking Last Vote						
CH 1 Ctrl		CH 2 Ctrl		CH 3 Ctrl		CH 4 Ctrl		CH 5	
Village Hall		Village Hall		Village Hall		Village Hall		Village Hall	
South Barrington		South Barrington		South Barrington		South Barrington		South Barrington	
Chicago Marriot Northwest		Chicago Marriot Northwest		Chicago Marriot Northwest		Chicago Marriot Northwest		Chicago Marriot Northwest	
Harper College		Harper College		Harper College		Harper College		Harper College	
Woodfield Mall		Woodfield Mall		Woodfield Mall		Woodfield Mall		Woodfield Mall	
St.Alexius Medical Center		St.Alexius Medical Center		St.Alexius Medical Center		St.Alexius Medical Center		St.Alexius Medical Center	
Regency Plaza		Regency Plaza		Regency Plaza		Regency Plaza		Regency Plaza	
Arlington Racecourse		Arlington Racecourse		Arlington Racecourse		Arlington Racecourse		Arlington Racecourse	
AMITA		AMITA		AMITA		AMITA		AMITA	
CH 6		CH 7		CH 8		CH 9		CH 10	
Village Hall	Rx	Village Hall		Village Hall		Village Hall		Village Hall	Rx
South Barrington	Vote	South Barrington		South Barrington		South Barrington		South Barrington	Rx
Chicago Marriot Northwest	Rx	Chicago Marriot Northwest		Chicago Marriot Northwest		Chicago Marriot Northwest		Chicago Marriot Northwest	Vote
Harper College	Rx	Harper College		Harper College	Disable	Harper College		Harper College	Rx
Woodfield Mall	Fail	Woodfield Mall		Woodfield Mall		Woodfield Mall		Woodfield Mall	Rx
St.Alexius Medical Center	Rx	St.Alexius Medical Center		St.Alexius Medical Center		St.Alexius Medical Center		St.Alexius Medical Center	Rx
Regency Plaza		Regency Plaza		Regency Plaza		Regency Plaza		Regency Plaza	
Arlington Racecourse	Rx	Arlington Racecourse		Arlington Racecourse		Arlington Racecourse		Arlington Racecourse	Rx
AMITA	Rx	AMITA		AMITA		AMITA		AMITA	Rx

For Help, press F1 No Alarms NI: ? Type System Partially Connected

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Introduction

The MCN (Monitoring and Control Network) Server 8000™ software monitors and controls receiver voting systems from a PC over IP network. Support is provided for the following Motorola Solutions IP comparators:

- GRV 8000 Analog or Digital Comparator
- GCM 8000 Digital Comparator
- MLC 8000 Analog Comparator
- Mixed Mode voting systems using a GCM 8000 and MLC 8000 combination

The MCN Server 8000 processes status messages (Vote, Receive, Disable, Fail messages) from the comparators and passes them to the client displays on the IP network. The display screens can be user-defined with various numbers of rows and columns and a number of tabs. Multiple screens can be defined for different users. (Police Dispatch, Fire Dispatch, Technicians) Individual client PCs can be limited to specific screens if desired.

The MCN Server 8000 also accepts control commands (Force-Vote, Disable) from the remote clients and sends them to the comparators.

The MCN Server 8000 supports multiple clients, and may be located remotely from the comparator equipment.

System Configuration

Common system configuration information (Receiver names, Module addresses, channel information, display screen configuration, output functions, etc.) resides in the MCN Server 8000 and is user-configured with the MCNConfig Server 8000 program.

Remote (Client) Display

The Client PC display features real-time status monitoring and control of the modules on the MCN network. The client display opens a display screen from the server and accepts status updates from it.

Control functions such as Force-Vote or Disable for comparators are passed to the server for processing.

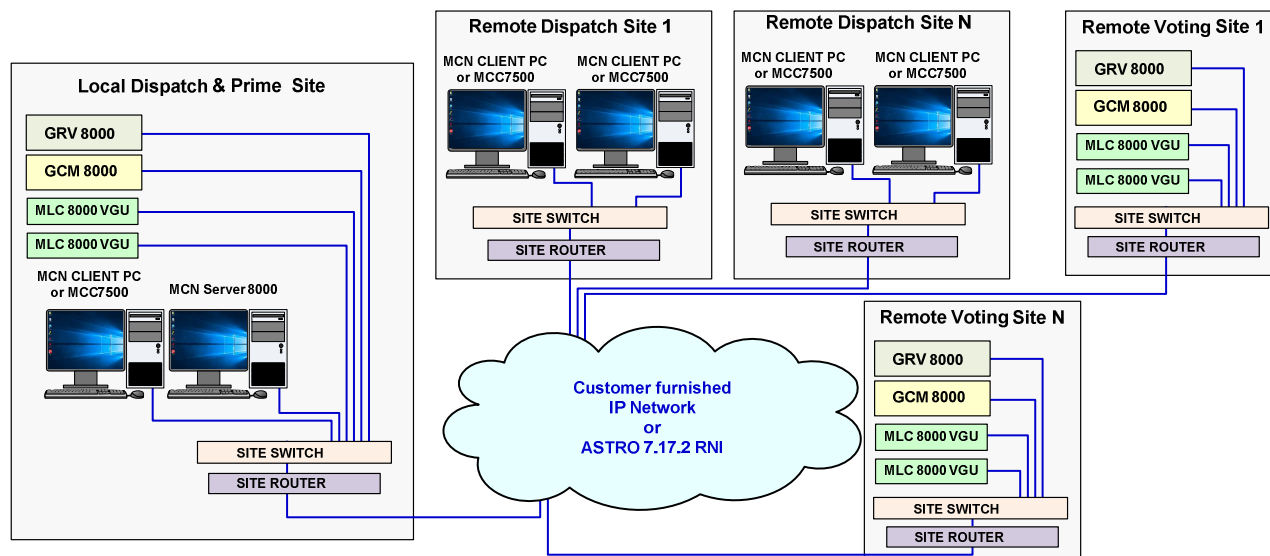
Local (Server) Display

The Server software includes local display and control capability.

Receiver Failure and Error Logging

The MCNRC Server software can log receiver failures and other user-defined errors. The error log can aid in diagnosing intermittent receivers or phone lines. Logging can be sent to:

- PC Screen
- Disk
- Printer



MCN Server 8000 Specifications

Application type	Native 32 Bit Windows Application
Operating Systems	Windows XP, Vista, 7 or 10, Windows Server 2003, 2005, or 2008R2
PC Requirements (min.)	Small Systems: Xeon Dual-Core, 2 GHz, 2GB Memory, CD ROM Drive, Open USB 2.0 Port, 100Base-T Port, Color Monitor Large Systems: Xenon E5 3Ghz 4 core, 8 Gb RM, 100/1000M Ethernet, 1 TB Disk, DVD Drive, Graphics card for dual monitors, Windows 7 Pro or 10 Pro, 27"-32" Non-Touch Monitor
Clients Supported	Base system: 4 (Expandable to 64 with additional Client Packs)
Comparators Supported	Base system: 4 (Expandable to 240 with additional Comparator Support Packs.) Note: Mixed Mode systems (GCM 8000 and MLC 8000) use two comparators.
Transport Protocol	UDP-IP Unicast, UDP-IP Multicast to Clients
Support for Legacy MCN Interfaces	Supports (1) HIB-IP unit. Order optional HIB-IP 8002 and appropriate comparator interfaces & I/O (CIB, AIB, GPIO modules, etc.). Contact CTI Products for details. Order one or more DDN1294 options if more than 1 HIB-IP unit must be supported.
Maximum receivers, or I/O points per window	Over 400, depending upon screen resolution and length of names
Receiver Names, Channel Titles, and Display Grid	User configurable
Status Messages and Colors	User configurable

Client Specifications

Application type	Native 32 Bit Windows Application
Operating Systems	Windows XP, Vista, 7 or 10, Windows Server 2003, 2005, or 2008R2
PC Requirements (min.)	Xeon Dual-Core, 2 GHz, 2GB Memory, CD ROM Drive, Open USB 2.0 Port, 100Base-T Port, Color Monitor

Ordering

Motorola Part #	CTI Part #	Description
DDN1289	S1-61594	MCN Server 8000 Software License for 4 Motorola IP Comparators & 4 Clients
DDN1287	S1-61595	MCN Server 8000 Software License for 1 Additional Motorola IP Comparator
DDN1288	S1-61596	MCN Server 8000 Software License for 4 Additional Motorola Comparators
DDN1295	S1-61129	MCN Software License Option - Client Expansion for 4 Additional Clients
DDN1294	S2-61164	MCN Software License Option – Multi-NI-4 Adds Support for 4 HIB-IPs
DDN1290	S2-61600	MCN Server 8000 Manual