



MCNRCD™ Standard Remote Comparator Display-IP Based

MCNRCD Remote Comparator Display - Mcdemo

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Police Fire EMS Service

East Police		Central Police		West Police		Area Wide		Command	
Indian Hill	Rx	Williamson Rd.		Miami Heights		Indian Hill		Indian Hill	
Williamson Rd.	Vote	Engineers		Calhoun Hall	Rx	Williamson Rd		Comm Center	
Glendale W.T.	Rx	Greenhills		Cheviot	Rx	Glendale W.T.		Loveland W.T.	
Comm Center	Rx	Glendale W.T.		Comm Center	Rx	Comm Center		Sweetwine	
Loveland W.T.	Rx	Calhoun Hall		Mt. Echo	Rx	Loveland W.T.		Greenhills	Tx
Sweetwine	Rx	Comm Center		Miami WW	Rx	Sweetwine		Engineers	
Anderson Twp				Greenhills	Vote	Anderson Twp.		Calhoun Hall	
Greenhills	Rx			Cleves		Greenhills		Miami Heights	
Engineers	Rx			Fernald		Engineers		Miami WW	
Milford				Prov. Hosp.	Rx	Milford		Cleves	
Marionmont				Mt. St. Joesph	Rx	Marionmont		Miamitown	
Calhoun Hall				Engineers		Calhoun Hall	Rx	Harrison	
				Miamitown	Fail	Miami Heights	Rx		
				Harrison		Cheviot	Rx		
						Mt. Echo	Rx		
						Miami WW	Vote		
East Tx		Microwave		Generators					
Indian Hill	On	Indian Hill	Normal	Comm Center	Normal	Cleves		Fernald	
Comm Center		Sweetwine	Standby	Indian Hill	Normal	Prov. Hosp.	Rx		
				Miami Hts	Normal	Mt. St. Joesph	Rx		
				Sweetwine	Run	Miamitown	Rx		
				Miami WW	Normal	Harrison	Rx		
				Calhoun Hall	Normal				

Ready

CTI Products, Inc.
1211 West Sharon Road
Cincinnati, Ohio 45240
USA

phone
+1.513.595.5900

fax
+1.513.595.5983

e-mail
info@ctiproducts.com

www.ctiproducts.com

Introduction

The MCN™ Remote Comparator Display lets you control your receiver voting system from your console or service shop. It extends the comparator lights and switches to a PC display. The comparator may be located in the same building or across town.

The Remote Comparator Display is compatible with:

- Motorola ASTRO-TAC, Digtac, Spectra-TAC, TAC
- JPS SNV-12 Voters
- M/A-Com / Ericsson / G.E. Analog Voters
- Doug Hall 4RV/2 Voters
- Alarms & Remote I / O Points

PC Display

The PC display features real-time status monitoring. The Force-Vote and Disable switch functions can be controlled from the PC. The user can custom configure receiver names and screen positions. Multiple screens can be built to display additional receivers.

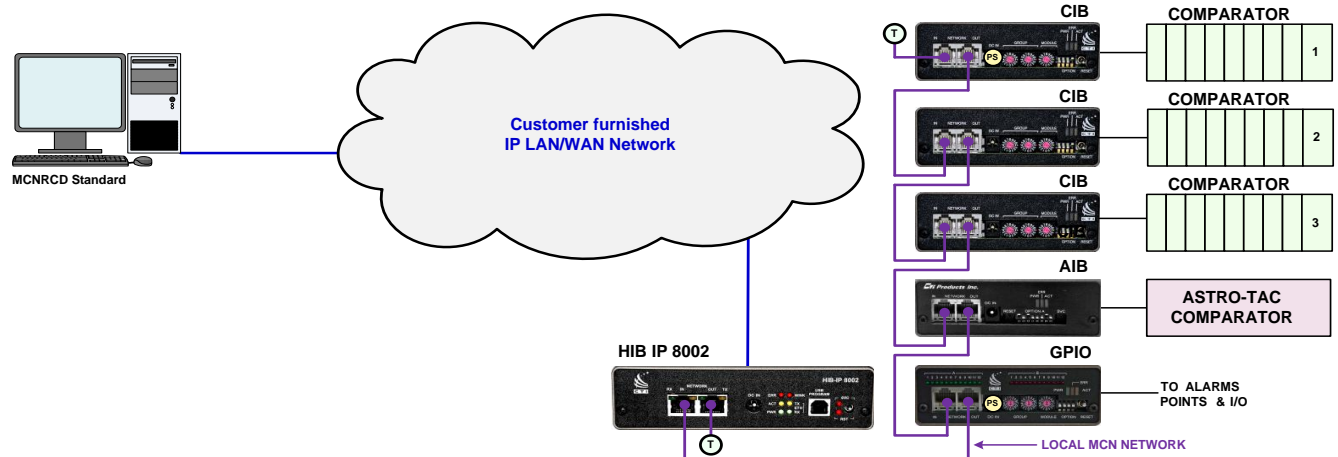
Dispatch Console Support

The MCN RCD™ software runs as a native 32-bit Windows application under Windows XP, Vista, 7, or 10 if PCLTA is used and 32 or 64-bit Windows application otherwise. The display window is user sizeable and can be used with other applications such as, dispatch console programs. It provides you with real-time monitoring and control without using up valuable console electronics resources.

Get Control of Your Comparator!

An operator or technician can see at a glance which receivers are receiving, voted, or failed, and which receiver is causing your system problems. A Force-Vote function permits audio monitoring of each receiver site. A Disable function shuts down bad receivers until repairs are made.

System noise, interference, and phone line problems can be difficult to find in a comparator system. The Remote Comparator Display is an effective troubleshooting tool which helps diagnose system problems fast.



Typical MCN System

Receiver Failure and Error Logging

The MCN Remote Comparator Display software can log receiver failures and errors. The error log can aid in diagnosing intermittent receivers or phone lines. Logging can be sent to:

- PC Screen
- Disk
- Printer
- Email

Repair Voting System Problems Efficiently!

The MCN™ Remote Comparator Display system helps you isolate a failure to a specific voting receiver, saving valuable technician time and reducing receiver downtime.

Intermittent system problems can be extremely tough to find. The Remote Comparator Display shows which receiver is bad while the problem still exists. This can eliminate repeated service calls to the comparator just to isolate a bad receiver.

How the System Works

The MCN Remote Comparator Display software runs on a PC and connects to the MCN network through a HIB-IP 8002 (external) network interface module. Comparator Interface Modules and other general-purpose I/O modules are mounted remotely, near the comparator or other I/O device.

CIB Comparator Interface Modules control parallel interface comparators. AIB Modules control *Astrotac*™ comparators. GPIO Input/Output Control Modules provide general-purpose digital I/O and alarm inputs.

Controlling Comparators at Multiple Sites

MCN Remote Comparator Display systems can be custom-designed to control comparators located at multiple remote sites. Contact a CTI Products, Inc. system engineer.

Part Number	Software License & Network Interface
S1-61854	MCNRCD & HIB-IP 8002 Module
S1-61078	MCNRCD & HIB-232 78K (RS-232)

General Specifications

Application type	Native 32 Bit Windows Application
Operating Systems	Windows XP SP3, Vista, 7,10, Server 2008 (32 bit only if PCLTA is used), 32 or 64-bit otherwise
PC Requirements (min.)	Pentium 4, 2 GHz, 2 GB RAM COM Port/Modem (HIB-232 version) 100Base-T NIC (HIB-IP 8002 version)
Dial-Up Support	HIB-232 version plus user-furnished dial-up modems
IP Connection	HIB-IP 8002 Version
Leased Line Support	HIB-232 version, plus Modems PCLTA version with EXB Modules
Multiple PC Display	HIB-232, HIB-IP 8002 or PCLTA versions, with Parallel Status & Control
Multiple Comparator Sites	Yes, with EXB Network Extenders
Number of receivers monitored per PC	1024 Simultaneous
Maximum receivers or I/O points per window	Over 400, depending upon screen resolution and length of names
Receiver Names & Channel Titles	User-programmable
Status Messages & Colors	User-configurable