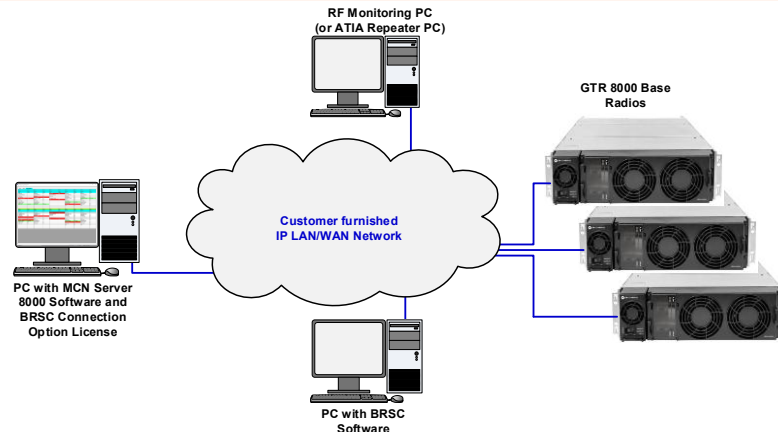




## The Base Radio Status Concentrator v10.02.xx for Motorola GTR 8000 Base Radios



### Introduction

The Base Radio Status Concentrator (BRSC) is the MCN software's emulation of a Network Interface.

It operates by virtually performing the functions of a Network Interface, which supports and connects up to 240 GTR 8000 Base Radios.

The BRSC is a licensable feature, and as such requires both a USB Dongle and a license key file to be used for its operation. This is a program that must be installed on a separate PC where it runs as a service to the Windows OS, or as a desktop application, if desired.

The BRSC interfaces solely to Motorola GTR 8000 Base Radios. It is not a client to any other application; but rather serves statuses back to the MCN Server 8000 software, which acts as a client to the BRSC Windows OS service.

The BRSC PC will connect with real-time sessions to the GTR 8000 Base Radios (BRs) and will concentrate the status from the BRs. It will pass that data to the MCN Server 8000 PC that monitors the comparators and the RFM PCs (if used).

### Features

- Expandable to support up to 240 transmitters (each BRSC)
- BRSC PCs connect to the GTR 8000 BRs using IP Network
- BRSC PCs connect to the MCN Server 8000 PCs over IP Network
- BRSC PCs to connect to the RFM PCs over IP Network

Data gathered from the transmitters include:

- Online/Offline (based on communications with the transmitter),
- Transmitter State: Enabled, Inhibited, Failed
- Transmitter Activity State: Idle, Voice, Data and Test.

### System Configuration

The BRSC System information is based on the MCN Configuration system files and must be generated from the MCN Config software.

There are configuration parameters i.e. IP addresses and Port Numbers, that must be configured separately, for both the MCN Config software and for the BRSC application.

IP information must be obtained for each GTR 8000 Radio whose statuses are to be monitored

The MCN Config program creates, and maintains the list of:

- Addressing parameters for all BRSC Nis is in the system (including the MCN Group & Module)
- Authorized PC List

Each BRSC NI must be configured with its own:

- Name/ Alias information
- Unique IP Address UDP Port:

### Configuring The BRSC Client

The MCN Server 8000 software functions as a client to the BRSC server by connecting, receiving and displaying the Base Radio Status information in the MCN Server Display Window..

### Uploading MCN System Data To the BRSC Server

To generate the BRSC's required system data, the MCN Server application alias (MCN1), must be used to perform an upload to the BRSC Service running on a remote PC alias (BRSC1). After this has been completed, the BRSC will be able to create its system files and MCN Server MCN1 will become the Controlling Server for the BRSC1.

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**MCN Server 8000 Specifications**


Application type	Native 64 Bit Windows Applications
Operating Systems	Windows 7 Pro, 10 Pro, or 11 Pro, & Windows Server 2003, 2005, or 2008R2
PC Requirements (min.)	Small Systems: Xeon Dual-Core E55XX, 2 GHz, 4 GB RAM, 250 GB Disk, CD Drive, 100Base-T Port, Open USB 2.0 Port, Non-Touch Color Monitor Large Systems: Xeon E74XX 4 core, 3Ghz, 8 GB RAM, 1 TB Disk, CD Drive, 100/1000M Ethernet, Open USB 2.0 Port, Graphics card for dual monitors, 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

**BRSC Specifications**

Application type	Native 64 Bit Windows Application
Operating Systems	Windows 7, 10, or 11(Pro) & 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	NA	MCN Server 8000 Software License for 4 Motorola IP Comparators & 4 Clients
**DDN1287	NA	MCN Server 8000 Software License for 1 Additional Motorola IP Comparator
**DDN1288	NA	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
**DSS261953	NA	MCN SW LIC. Opt. - Connection to (1) BRSC PC, (Includes support for 10 initial GTR Transmitters)
**DSS161950	NA	MCN BRSC Base Radio Status Concentrator Software License, supports up to (10) GTR 8000 Transmitters
**DSS261951	NA	MCN BRSC SW Lic. Opt to support add'l (10) GTR 8000 Transmitters
DSS261952	S2-61952	MCN BRSC Base Radio Transmitter Status Concentrator Software Manual

 **WARNING:** This product can expose you to chemicals such as lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov/product](http://www.P65Warnings.ca.gov/product)."

\*\* These items can only be ordered through Motorola Solutions Inc (MSI).