



Release Notes: Magnum MNS-6K Release 4.1- (Aug 18, 2008)

Software (general) The Magnum MNS-6K software product is modular software. The software modules or applications are segmented according to the type of functionality they provide. Each module has specific tasks to perform and clearly defined interfaces with other modules based on the overall system/functional requirements.

Download Location

The Magnum **MNS-6K Release 4.1** is available on the GarrettCom FTP site

Address: [ftp.garrettcom.com](ftp://ftp.garrettcom.com) or <ftp://ftp.garrettcom.com>

Username: m6kuser

Password: m6kuser

Path: /Rel4/MNS-6K

File Name: **Rel4.1.bin**

Also available on GCI website at http://www.garrettcom.com/techsupport/sw_downloads.htm

New Modules and Features in 4.1 (Since 4.0)

- **Improved RSTP** (IEEE 802.1D-2004)
 - Faster Recovery for Rings and Meshes, none are any faster or larger ring/mesh size
 - Industry-standard RSTP interoperability is preserved
 - All commands are backward compatible with previous RSTP releases
 - RS-Ring is subsumed in this RSTP IEEE 802.1D-2004 version, and is discontinued accordingly
- **New 6K Hardware Modules Supported**
 - Added 6K PoE combo modules for Gb and 4 10/100 copper PoE ports. The Gb port can be GBIC, SXSC, SFP, or 10/100/1000 copper.
 - Added 6K module 6KP2-1CU1SX (one Gigabit Copper (1000BASE-T) auto-negotiating port and one Gb SXSC mm fiber port)

Enhancements

- **Set CLI history**

MNS-6K has option to set the depth of the CLI history commands.

CLI Command:
set history size=<1-100>
- **New Enterprise Traps**

MNS-6K supports STP and RSTP enterprise traps now.
- **System Order Code and Serial Number**

System Order Code and Serial Number options are available in SNMP now (was in CLI, SWM).

➤ **SMTP (Simple Mail Transfer Protocol) with Domain information**

SMTP now supports domain information in addresses.

➤ **IGMP Enhancements**

IGMP interoperability and reliability extended with SSDP (and tested with Pelco) and VRRP Cisco-proprietary protocols.

➤ **VLAN Enhancements**

- Improved default VLAN. Ports will no longer be removed from the default VLAN when a VLAN starts.

(See also updated Technical Briefs on VLANS. A) *CONFIGURING VLANS ON MNS-6K AND MNS-6K-SECURE when interoperating with a Cisco Layer 3 Switch - no IP on default-* and B) *- default VLAN = 1) and C) CONFIGURING VLANS ON MAGNUM DX ROUTERS AND MAGNUM 6K SWITCHES - default VLAN = 1)*

“Set” command is not needed any more (“set vlan type” command is deprecated, Port VLAN commands are no longer functional). User can Enable or disable VLAN through CLI or SWM.

New CLI Command

VLAN <enable/disable>

- SWM also has option to set Management VLANs now.

➤ **New Boot Sequence**

By default, AUTO-mode boot sequence looks for the DHCP server first, then BootP server for IP configuration. (It was in the reverse order in the previous versions).

Bug Fixes

- GVRP did not work when connected to more than three switches in a row - fixed
- SET Prompt <Tab> command sequence hangs - fixed
- SWM cannot logon after time-out set to >140000 minutes – fixed
- Telnet Server in 6K not sending the sub-option sequence properly – fixed
- Triple-speed auto-negotiating copper ports show wrong speed in the CLI script – fixed
- Memory leak due to continuous port link-up and link-down – fixed
- IGMP-L2 configuration was not getting saved during reboot – fixed
- The QoS port weight configuration was not getting saved during reboot – fixed
- The QoS port weight was getting overwritten when there was a lot of traffic – fixed
- IGMP under VLANs had problem. It did not forward queries properly - fixed

Caution:

Make sure your Magnum 6K Switch is running Rel3.7 or higher to upgrade to Rel4.1.

Technical Support

Email: support@garrettcom.com

Web: www.garrettcom.com/techsupport