



## Release Notes: Magnum MNS-6K Release 4.1.14 and 14.1.14 (Dec 20, 2011)

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 4.1.14 and MNS-6K-SECURE 14.1.14 software is available on the GGI web site

Web Address: [http://www.garrettcom.com/techsupport/sw\\_downloads\\_6k.htm](http://www.garrettcom.com/techsupport/sw_downloads_6k.htm)

OR

FTP Address: <ftp.garrettcom.com>

Username: m6kuser

Password: m6kuser

Paths: a) /home/m6kuser/Software/Rel4/6K - For all 6K Models except 6KL and 6KM  
b) /home/m6kuser/Software/Rel4/6KLM - For 6KL and 6KM Only

### New Features in 4.1.14 and 14.1.14 (Since 4.1.12 and 14.1.12)

#### ➤ LLDP (Link Layer Discovery Protocol) - IEEE 802.1AB

LLDP (Link Layer Discovery Protocol) is defined in IEEE 802.1AB as a layer 2 protocol which facilitates network and neighbor discovery. Neighbor discovery is made possible through advertisements sent by each network device participating in LLDP. Advertisements are sent by LLDP-enabled devices to identify themselves and to announce their capabilities to neighboring devices.

#### CLI Commands

- *lldp <enable/disable>*
- *set-port port=<number/list/range> status=<disable/tx/rx/txrx> notify=<enable/disable> manaddr=<enable/disable> tlvmap=<portdesc,sysname,sysdesc,syscap/none>*
- *show-remote*
- *timers [txint=<sec>] [txhold=<multiplier>] [reinit=<sec>] [txdly=<sec>] [notify=<sec>]*

#### ➤ Hi-Discovery Protocol (HDP)

Hi-Discovery Protocol (HDP) and Hi-Vision is supported in MNS-6K now. All 6K products can discover and configure through Hi-Vision software.

## ➤ New DST (Day Saving Time) command

User has option to configure DST parameters through User-Interface instead of using pre-defined dates or days.

### CLI Commands

- *set daylight country=<name/none>*
- *set daylight country=user [sthr=<0..23> stmin=<0..59> stdate=<1..31> stmon=<Jan..Dec> stday=<Sun..Sat> endhr=[0..23> endmin=<0..59> enddate=<1..31> endmon=<Jan..Dec> endday=<Sun..Sat>]*

## ➤ Egress Rate Control (Available in Magnum 6KL ONLY)

The maximum outgoing packet rate of the ports can be controlled now through commands. This feature is available in 6KL ONLY.

### CLI Command

- *setport port=<port/list/range> [name=<name>] [speed=<10/100>] [duplex=<half/full>] [auto=<enable/disable>] [flow=<enable/disable>] [bp=<enable/disable>] [ffi=<enable/disable>] [status=<enable/disable>] [egress-rate=<rate/none>]*
- *show port = <port>*

## **Bug Fixes** - Applicable to all 6K products.

- A forced termination of a CLI session was being reported as a timeout in the event log- Fixed.
- A potential buffer overflow in event logging- Fixed.
- Port Security CLI: Warning/Error for Port List with invalid port number- Fixed.
- LACP: Fast Timeout problem- Fixed.
- SNMP V2 traps enterprise OID issue- Fixed.
- SNMP port Control group - Fixed port status.
- SNMP firmware Version- Fixed.
- VLAN: Default VLAN edit/join/leave problems- Fixed.
- TCP ports are open even service is disabled - Fixed.
- Interrupt protection was weak when too many interrupts happen - Fixed.
- Watchdog thread has better reporting and priority.

**Caution:** Make sure your 6K Switch is running Rel 3.7 or higher to upgrade to Rel 4.1.14 or Rel 14.1.14

**Technical Support:** Email: [support@garrettcom.com](mailto:support@garrettcom.com) Web: [www.garrettcom.com/techsupport](http://www.garrettcom.com/techsupport)