



Release Notes: Magnum MNS-6K-SECURE Release 14.0 - (Dec 31, 2007)

Software (general) The Magnum MNS-6K-SECURE software product is modular software with enhanced security features. 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-SECURE Release 14.0 is available on the GarrettCom FTP site, Address: ftp.garrettcom.com or <ftp://ftp.garrettcom.com>

Username: m6kuser
Password: m6kuser
Path: /Rel14/MNS-6K-SECURE
File Name: **Rel14.0.bin**

Note: You need to buy a license key to use MNS-6K-SECURE 14.0.

New Modules and Features in 14.0

- **Latest 6K Family Hardware Support**
 - Magnum 6K32F and 6K32FC
 - New port modules for the 6K32F and 6K32F Switch
- **SSH (Secure Shell)**

MNS-6K-SECURE supports SSH-2 Server. The Magnum 6K Embedded SSH Server solution Secures Telnet communications with encryption key over the network.

CLI Commands:

```
ssh <enable/disable/keygen>  
ssh port=<port/default>  
show ssh
```

- **SFTP (Secure FTP)**

MNS-6K-SECURE supports SFTP client. SSH File Transfer Protocol (SFTP) is a network protocol that provides file transfer and manipulation functionality over any reliable data stream. It is typically used with the SSH-2 protocol to provide SECURE file transfer.

CLI Commands:

```
sftp<get/put/list/del>[type=<app/config/oldconf/script/hosts/log>][host=<hostname>]  
[ip=<ipaddress>][file=<filename>] [user=<user>] [pass=<password>]
```

➤ **SYSLOG**

Syslog is a feature for forwarding log messages in an IP network. The Syslog sender of MNS-6K sends event log messages to the Syslog receiver. User can configure multiple Syslog servers in a 6K switch. Syslog entries are categorized in 7 categories:

[fatal/alert/critical/error/warning/notification/informational/debug].

CLI Commands:

```
server add host=<host/ip> [port=<port>] [event=<all/none/default/list>]
server edit id=<id> [host=<host/ip>] [port=<port>] [event=<all/none/default/list>]
server del id=<id>
server <enable/disable> id=<id>
syslog <enable/enable>
show syslog
```

➤ **MOTD (Message of the day)**

A MOTD is a text displayed to a user logging in 6K switch. The MOTD is typically used to display rules, administrator contact, security notices, or simply a piece of ASCII art (Logo etc).

CLI Commands:

```
set motd
show motd
```

➤ **DNS (Domain Name System)**

MNS-6K-SECURE supports DNS client. User can set the name for the 6K switch. (For example, 'Switch1') and access the switch through name instead of IP address.

CLI Commands:

```
set dns [server=<ip>] [domain=<domain name>] <enable/disable/clear>
show dns
```

➤ **User Access**

User Privileges (Read or Write Access) and remote services (Telnet, Web) can be set for specific user(s).

CLI Commands:

```
useraccess user=<name> service=<telnet/web/acl> <enable/disable>
useraccess user=<name> group=<list> type=<read/write> <enable/disable>
show users
```

➤ **DHCP Server**

MNS-6K-SECURE supports DHCP Server as well. User can configure DHCP Server through CLI or SWM.

CLI Commands:

```
dhcpsrv <start/stop>
config startip=<start ip> endip=<endip> mask=<mask> [dns=<dns>] [gateway=<gateway>]
[leasetime=<lease time(1..10 hours)>]
reserve-ip ip=<ip> [mac=<mac>]
clear-reserveip ip=<ip>
show dhcpsrv <config/status/leases>
```

Enhancements

➤ **256 VLANs support**

MNS-6K-SECURE supports 256 VLANs, an increase from 32 in MNS-6K basic versions.

➤ **20 Local Users**

MNS-6K-SECURE supports 20 local users, an increase from 5 users in MNS-6K basic versions.

➤ **Hide and Show Secrets**

MNS-6K-SECURE has option to hide and show passwords and/or secrets in Configuration and Scripts (Also available in MNS-6K 4.0).

CLI Command:

set secrets <hide/show>

➤ **New Improved Boot Loader**

New boot code (Boot Loader) improves the boot strap process of 6K.

Bug Fixes

- TFTP time out issue - fixed
- Whenever host name is added for IPV6 in host table, the sequence lost the indexing - fixed
- After editing username and password in the Host Table, changes were not being saved– fixed

NOTE: You need to buy a license key to enable the use of MNS-6K-SECURE. Contact your Sales person. One key will license MNS-6K-SECURE for use on any one 6K Switch.

Caution:

Make sure your Magnum 6K Switch was running Rel3.7 or higher to upgrade to Rel14.0.

Technical Support

Email: support@garrettcom.com

Web: www.garrettcom.com/techsupport