

Getting Started

MNS-6K Software

The switch is operational once it is out of the box and powered up. The ease of use, advanced management and configuration capabilities that MNS-6K provides allow you to configure, manage and secure your devices and your network. This document tells you how to get started with putting the switch into operation, and what the next steps should be.

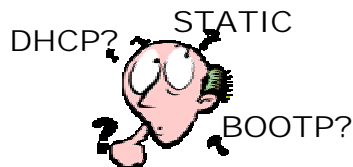
Before starting

Before you start, you will need an RJ-45 Ethernet patch cable, a PC with an Ethernet interface, and two key software components. The first software component is a Web browser – preferable Internet Explorer (IE) version 6.0 or higher. The second software component is the Macromedia Flash player version 5.0 or higher. You can download the Flash player from the Macromedia web site or by following this URL:

http://www.macromedia.com/shockwave/download/download.cgi?P1_Prod_Version=ShockwaveFlash

Make sure both components of the software - a browser and Macromedia player - are available on the computer you are going to use to manage the Magnum 6K family of switches.

Determine IP Address



The Magnum 6K family of switches has the intelligence to search the network for commonly used services to issue an IP Address¹. If the switch is connected to a network, the process MNS-6K uses to find an IP address is as follows

First – MNS-6K looks for a DHCP server. If the server responds, the switch will acquire and set the IP address assigned by the DHCP server. The Magnum 6K switch then has the necessary IP address and related information for the switch to be managed. GarrettCom, Inc. recommends you now find the IP address assigned to the switch from the DHCP server and use Secure Web Manager (SWM) to manage and configure the switch. To do that, simply type in `https://<IP-Address-assigned-to-the-switch>`. Make sure it is **https** and not http. Also make sure that you have “connectivity” to the switch – i.e., that you can ping it. Then jump to the section “Next Steps”

Second – hearing no response from a DHCP server, MNS-6K will next query a BOOTP server. If a BOOTP server responds, the switch will acquire and set the IP address assigned by the BOOTP server. The Magnum 6K switch then has the necessary IP address and related information to manage the switch. We now recommend you now find the IP address assigned to the switch from the BOOTP server and use Secure Web Manager (SWM) to manage and configure the switch. To do that, simply type in `https://<IP-Address-assigned-to-the-switch>`. Make sure it is **https** and not http.

¹ Note – if the switch is not connected to any network, then the DHCP or the BOOTP services are not available. In that case, jump to “Third” or see box on next page for the default IP address assigned to the switch.

Also make sure that you have “connectivity” to the switch – i.e., that you can ping it. Then jump to section “Next Steps”

Third – when there are no DHCP or BOOTP services available, e.g., when the switch is not connected to any network and is powered up, the switch will assign itself an IP address. Best practices suggest checking whether that IP address is free. MNS-6K follows standards and best practices in the industry, and does check to see if the IP address 192.168.1.2 with a network mask of 255.255.255.0 is free. If this IP address is available, the switch will assign itself the IP address 192.168.1.2 and a network mask of 255.255.255.0. If this IP address is assigned to another device, to eliminate a duplicate IP address problem, the Magnum 6K switch will repeat the three steps described above until a server which can provide an IP address is found or this IP address is freed up. This can be done by disconnecting the Magnum 6K switch from the network or by reassigning the device with the IP address 192.168.1.2 another IP address. Also make sure that you have “connectivity” to the switch – i.e., that you can ping it. Then jump to section “Next Steps”

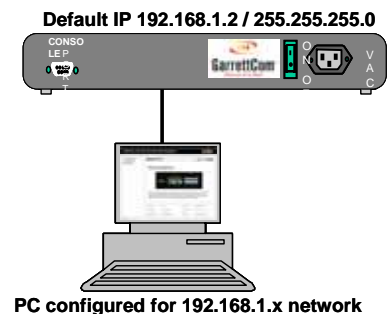
AS A DEFAULT, THE MAGNUM 6K SWITCH WILL ASSIGN ITSELF 192.168.1.2 WITH A NETWORK MASK OF 255.255.255.0

Once connected, you will see a login prompt. The default login is manager with a password of manager (all lower case). You are ready for the next steps.

Next Steps

Your switch is now operational and ready to provide management services to Ethernet devices. There are a few simple next steps that GarrettCom, Inc. recommends

- 1) Download the necessary manuals to use Secure Web Manager (SWM) as well as the command line interface (CLI) from <http://www.garrettcom.com/techsupport/index.htm>. Keep them handy and easily available to you.
- 2) Change the default manager password, choosing one you can remember.
- 3) Decide if you want to assign the switch a static IP address or continue to use DHCP or BOOTP services. Make sure you change the boot mode to the mode appropriate to your environment.
- 4) Sign up for GarrettCom’s monthly eNewsletter. In the newsletter you will find out information about new products as well as new capabilities, and when new software releases for MNS-6K are available. To sign up for the newsletter, please send an email to newsletter@garrettcom.com. In the body of the email, please include your 6K switch Serial Number. You will find that on a Serial No. label affixed to the switch
- 5) Keep the contact information below handy in case you need to contact GarrettCom, Inc.



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