

GE-DSG-244 DSSG-244 and 244-PoE Managed Ethernet Switch Installation Sheet

Package Contents

Thank you for purchasing the GE Security GE-DSG/DSSG series of 24-Port Managed Ethernet Switches. The following Switch model numbers are covered in this sheet:

- **GE-DSG-244**
- **GE-DSSG-244**
- **GE-DSSG-244-PoE**

Open the box of the Managed Switch and carefully unpack it. The box should contain the following items:

- The GE-DSG/DSSG Managed Gigabit Switch x1
- User's manual CD x1
- Installation Sheet x1
- RS232 cable x1
- Rubber feet x 4
- Two rack-mounting brackets with attachment screws x2
- Power Cord x1
- CB-STX50-50cm stack cable x 1 (GE-DSSG Series only)

If any item is found missing or damaged, please contact your local reseller for replacement.



System Requirements

Your switch is designed to operate with a variety of platforms, operating systems and network cards. Actual performance will depend on a combination of these components. Differences in performance can occur depending on the versions and types of platforms, operating system and network cards used.

The minimum system requirements are:

- Clients running Windows 98/ME, NT4.0, 2000/XP, Vista, MAC OS9 or later, Linux, UNIX or other platform compatible with TCP/IP protocols.
- Workstation installed with Ethernet NIC (Network interface Card)
- Serial Port connection (Terminal)
 - Above PC with COM Port (DB-9)
- Ethernet Port connection
 - Network cables - Use standard network (UTP) cables with RJ45 connectors.
 - Above PC installed with WEB Browser and JAVA runtime environment Plug-in

Note: We recommend using Windows XP or Windows 7 with Internet Explorer 6.0 or above for access to the switch management setup.

Terminal Setup

There are three ways to access and setup your switch. They are:

- RS-232 console
- Telnet
- Web Browser

RS-232 console

To configure the system, connect a serial cable to a COM port on a PC or notebook computer and to the serial (console) port of the GE-DSG/GE-DSSG Managed Switch. The console port of the Managed Switch is DCE already, so that you can connect the console port directly through PC without the need of Null Modem.

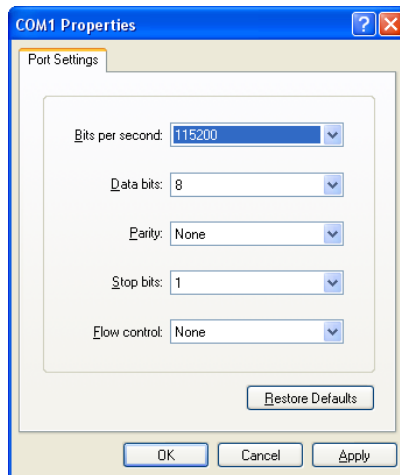
Figure 1: Terminal setup diagram



A terminal program is required to make a software connection to the GE-DSG/GE-DSSG Managed Switch. Windows' Hyper Terminal program is a good choice. The Hyper Terminal program can be accessed from the Start menu.

1. Click **START**, then **Programs/ Accessories** and then **Hyper Terminal**.
2. When the following screen appears, make sure that the COM port should be configured as:
 - Baud : 115200
 - Parity : None
 - Data bits : 8
 - Stop bits : 1
 - Flow Control : None

Figure 2: COM1 properties window



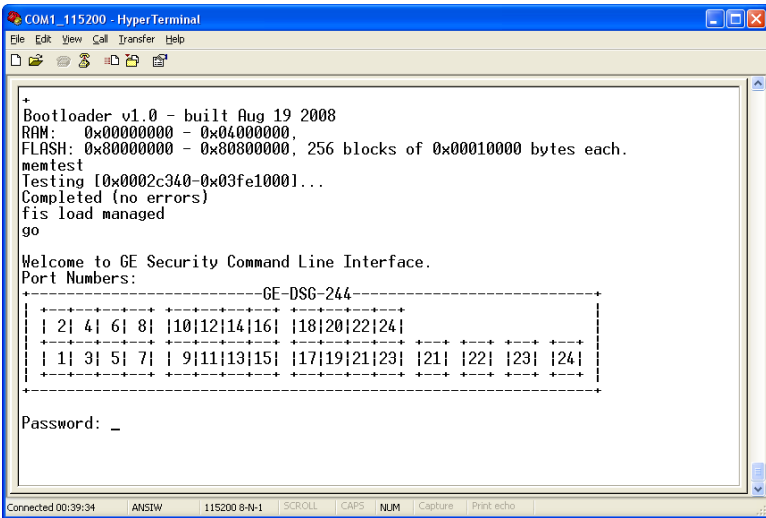
Logon to the Console

Once the terminal has connected to the device, power on the GE-DSG/GE-DSSG Managed Switch, the terminal will display that it is running testing procedures.

Then, the following message asks for the password. The factory default password for the login screen is:

- Password: **admin**

Figure 3: Managed Switch Console Login screen



Note: For security reasons, please change and memorize the new password after this first setup. Passwords must be entered in lowercase letters in the console interface.

Configure IP address

The GE-DSG/GE-DSSG Managed Switch is shipped with default IP address as follows:

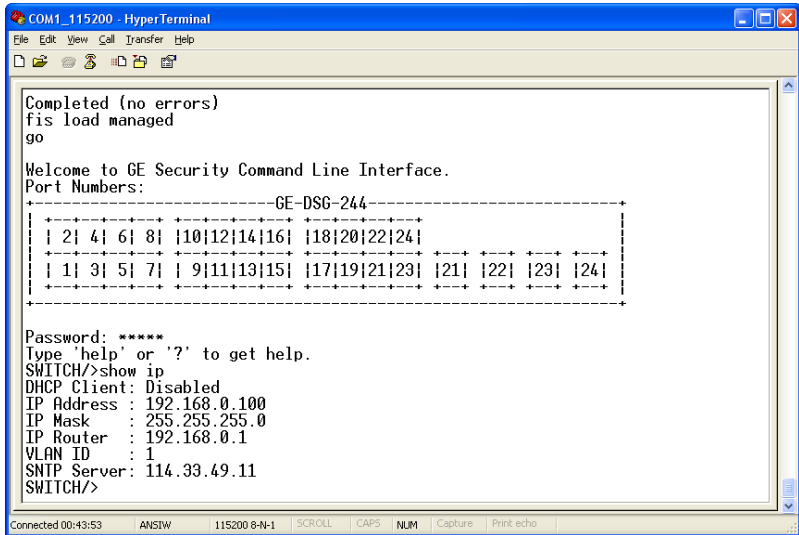
- IP Address : 192.168.0.100
- Subnet Mask : 255.255.255.0

To check the current IP address or modify a new IP address for the Switch, please use the following procedures:

Show the current IP address

1. On "Switch/> " prompt, enter "show ip".
2. The screen displays the current IP address, Subnet Mask and Gateway. As show in Figure 4.

Figure 4: IP information Screen



Configure IP address

1. On "Switch/> " prompt, enter the following command and press <Enter>. As show in Figure 5.

Switch/> ip setup 192.168.1.100 255.255.255.0 192.168.1.1

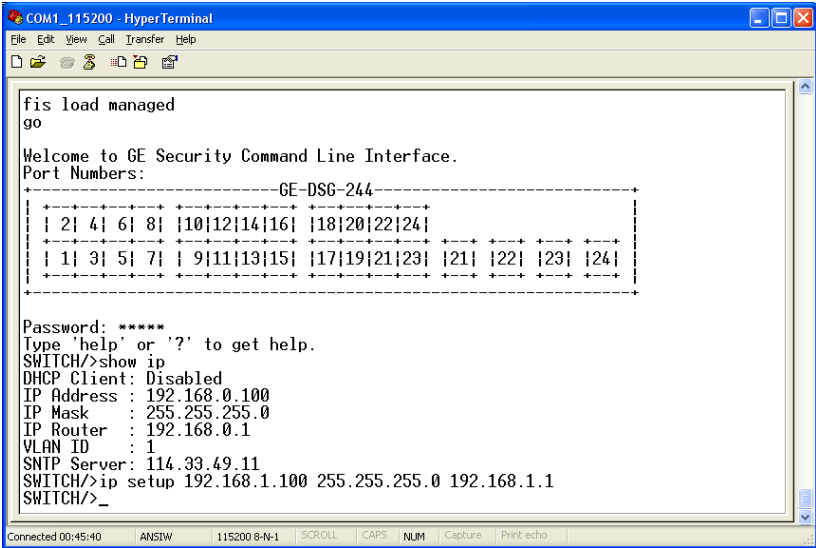
The previous command would apply the follow settings for the Switch.

IP: 192.168.1.100

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

Figure 5: IP Setup command



1. Repeat Step 1 to check if the IP address is changed.

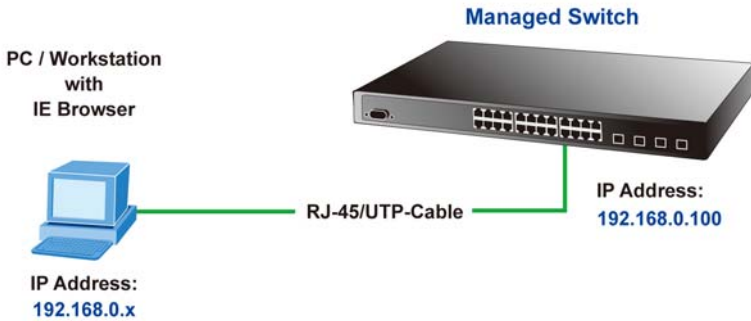
If the IP is successfully configured, the Managed Switch will apply the new IP address setting immediately. You can access the Web interface of GE-DSG/GE-DSSG Managed Switch through the new IP address.

Note: If you are not familiar with console command or the related parameter, enter "?" anytime in console to get the help description.

Telnet Setup

1. Connect an RJ-45 cable from the PC to a Switch port on the Managed Switch.

Figure 6: RJ-45 connection diagram



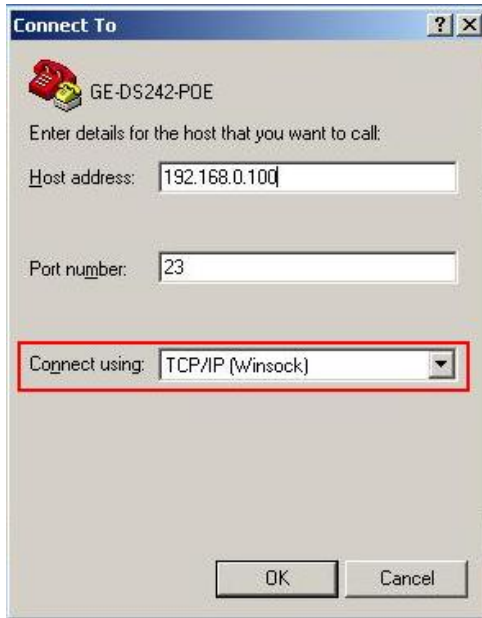
2. Enable the Hyper Terminal program. A terminal program is required to make the software connection to the Managed Switch. Windows' **Hyper Terminal** program is a good choice. Hyper Terminal can be accessed from the **Start** menu. Click **START**, then **Programs, Accessories** and then **Hyper Terminal**.
3. The following screen will appear. Input a new connection name. You should use something like the model name of your switch.

Figure 7: New Connection dialog window



4. Change the **Connect using** drop-down menu to TCP/IP (Winsoc) then input Host address. The Managed Switches default IP address is 192.168.0.100 and the default telnet port number is 23, then press the **OK** button.

Figure 8: The Connect to dialog window



Log on to the Console

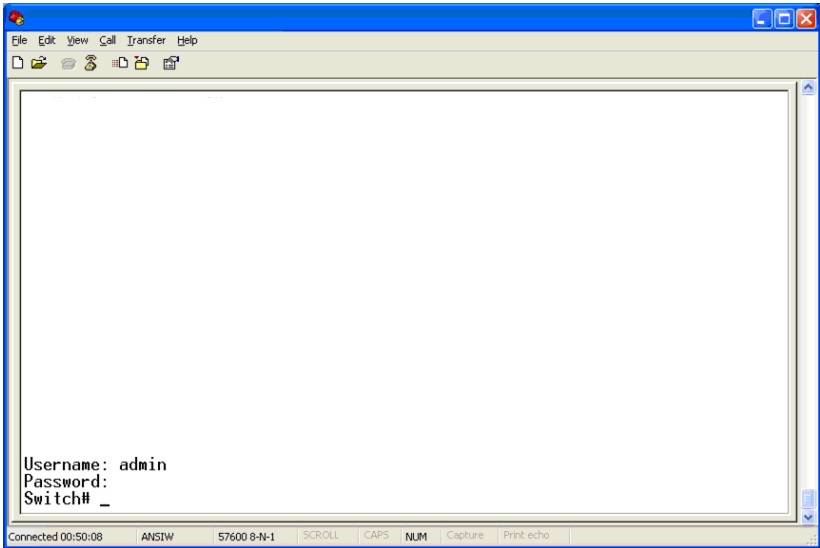
Make sure the device finished booting. Once telnet has connected to the device, hyper terminal will display the login request.

Then, the following message asks the login user name and password. The factory default password as following and the login screen as following appear.

User name: **admin**

Password: **admin**

Figure 9: Login request window



Now you can configure the Switch by Telnet.

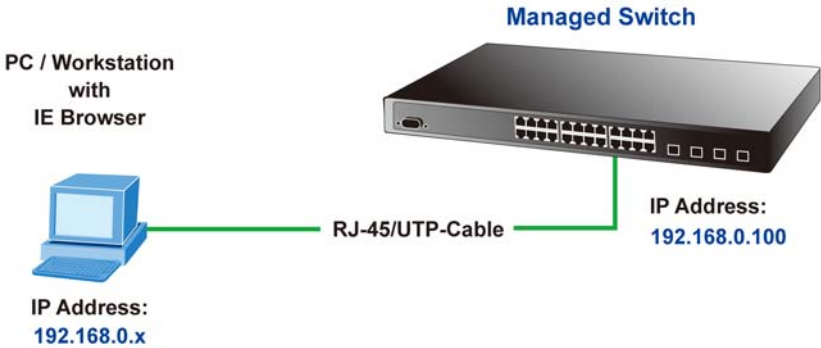
Web Browser Setup

Start Web Management

The following shows how to start up the Web Management of the GE-DSG/GE-DSSG Managed Switch. Please note that the Managed Switch is configured through an Ethernet connection, make sure the manager PC must be set on the same IP subnet address.

For example, the default IP address of the GE-DSG/GE-DSSG Managed Switch is **192.168.0.100**, then the manager PC should be set at **192.168.0.x** (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.

Figure 10: IP management diagram



Login to the managed Switch

1. Use Internet Explorer 6.0 or above Web browser, enter IP address <http://192.168.0.100> (the factory-default IP address or that you have just changed in the console) to access the Web interface.
2. When the following dialog box appears, please enter the default password "admin" (or the password you have changed via console). The login screen in Figure 11 appears.
 - Default IP Address: 192.168.0.100
 - Default Password: admin

Figure 11: Login Screen



3. After entering the password, the main screen appears as Figure 12.

Note: The following screen based on GE-DSG-244 and for GE-DSSG Series, the display will be the same as GE-DSG-244.

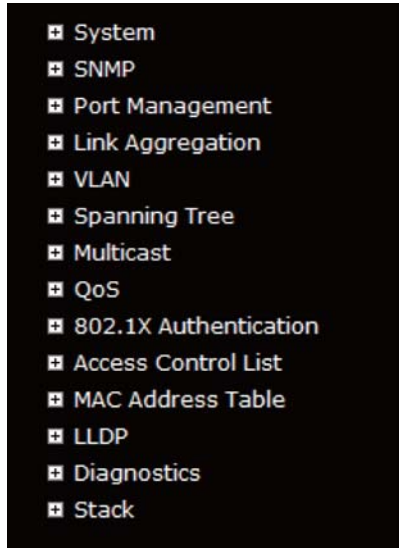
Figure 12: Main Screen of the Managed Switch



4. Now, you can use the Web management interface to continue the Switch management, please refer to the user manual for more information.

Note: For security reasons, please change and memorize the new password after this first setup.

Figure 13: Switch Management Options



Note: If you are not familiar with Switch functions or the related parameters, press the "Help icon". It is located near the right top of the Web page.

Reset Button

To reset the IP address to the default IP Address "192.168.0.100" or reset the login password to default value. Press the hardware **reset button** at the front panel about **10 seconds**. After the device is rebooted, you can login the management WEB interface within the same subnet of 192.168.0.xx.

Figure 14: Reset Button location



Contact information

Thank you for purchase GE Security products. You can browse our online FAQ resource at the GE Security website first to check if it could solve you issue. If you need more support information, please contact GE Security support team.

888 GE Security (888.437.3287) Toll-free in the US, Puerto Rico, and Canada.

503.885.5700 outside of the toll-free area.

For contact information see our Web site: www.gesecurity.com.

For contact information see our Web site: www.gesecurity.eu.

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