

L3 Managed Touch LCD Switch

GS-5220-24T4XV(R)

Quick Installation Guide

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1. Package Contents

Thank you for purchasing PLANET GS-5220 Managed LCD Switch Series. The description of this series is shown below:

Model Name	Gigabit RJ45 Ports	10G SFP+ Slots	Redundant Power
GS-5220-24T4XV	24	4	-
GS-5220-24T4XVR	24	4	Yes

“**Managed LCD Switch**” is used as an alternative name in this Quick Installation Guide.

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

- The Managed LCD Switch
- QR Code Sheet
- RJ45 to RS232 Cable
- Rubber Feet
- Two Rack-mounting Brackets with Attachment Screws
- Power Cord
- SFP Dust-proof Caps

Model	SFP Dust-proof Caps
GS-5220-24T4XV	4
GS-5220-24T4XVR	4

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

2. Requirements

- **Workstations** running Windows 7/8/10/11, macOS 10.12 or later, Linux Kernel 2.6.18 or later, or other modern operating systems are compatible with TCP/IP Protocols.
- Workstations are installed with Ethernet NIC (Network Interface Card).
- **Serial Port Connection** (Terminal)
 - The above Workstations come with COM Port (DB9) or USB-to-RS232 converter.
 - The above Workstations have been installed with terminal emulator, such as Tera Term, PuTTY or Hyper Terminal included in Windows XP/2003.
 - Serial cable -- one end is attached to the RS232 serial port, while the other end to the console port of the Managed LCD Switch.
- **Ethernet Port Connection**
 - Network cables -- Use standard network (UTP) cables with RJ45 connectors.
 - The above PC is installed with Web browser.



Note

It is recommended to use Google Chrome, Microsoft Edge or Firefox to access the Managed LCD Switch. If the Web interface of the Managed LCD Switch is not accessible, please turn off the anti-virus software or firewall and then try it again.

3. Terminal Setup

To configure the system, connect a serial cable to a **COM port** on a PC or notebook computer and then to an RJ45 serial port of the Managed LCD Switch.

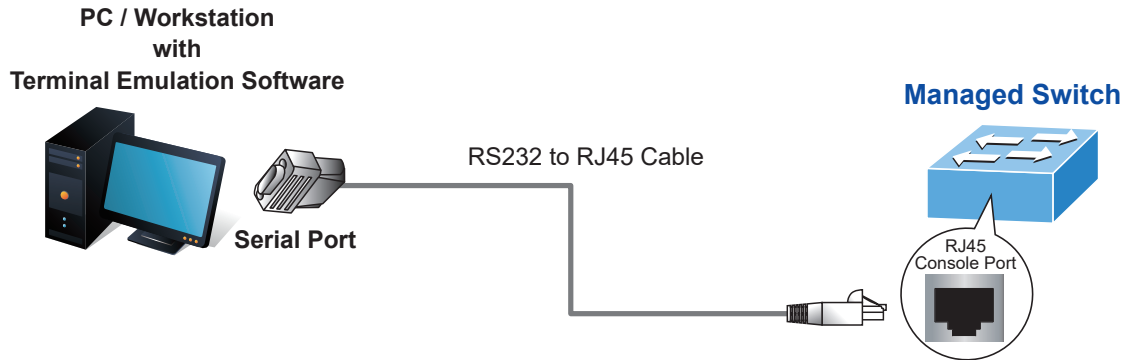


Figure 3-1: Managed LCD Switch Console Connectivity

A terminal program is required to make the software connection to the Managed LCD Switch.

1. Run terminal program on the OS.
2. When the following screen appears, make sure that the COM port should be configured as:

- ◆ Baud: 115200
- ◆ Data bits: 8
- ◆ Parity: None
- ◆ Stop bits: 1
- ◆ Flow control: None

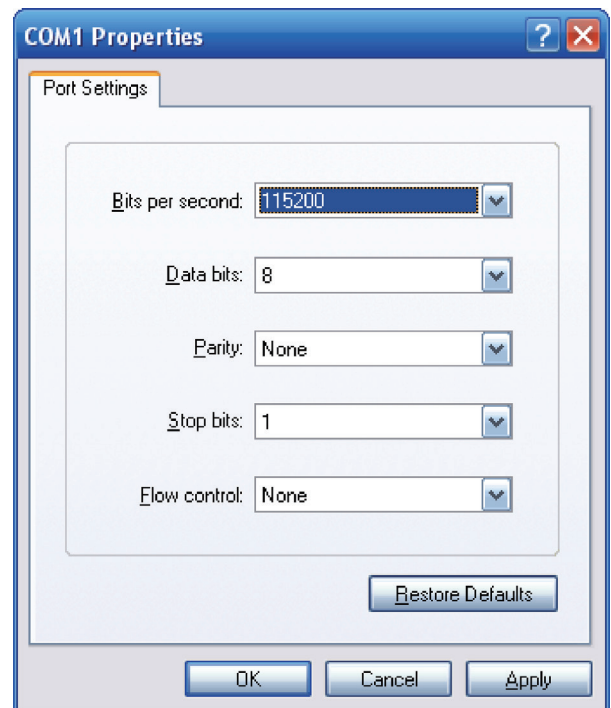


Figure 3-2: COM Port Configuration

3.1 Logging on to Console

Once the terminal is connected to the device, power on the Managed LCD Switch, and the terminal will display “running testing procedures”. Then, the following message asks to log in user name and password. The factory default user name and password are shown as follows and the login screen in Figure 3-3 appears.



Note

The following console screen is based on the firmware version before **July of 2024**.

Username: **admin**

Password: **admin**

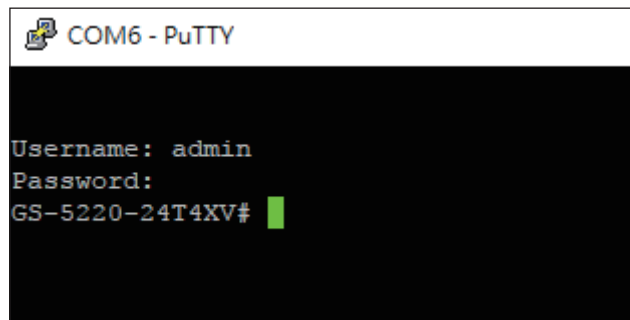


Figure 3-3: Managed LCD Switch Console Login Screen



Note

1. For security reason, please change the password to a new one after this first setup.
2. Only accept command in lowercase letter under console interface.



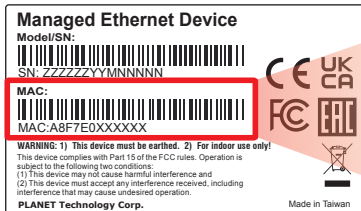
Note

The following console screen is based on the firmware version of **July of 2024 or after**.

User name: **admin**

Password: **sw + the last 6 characters of the MAC ID in lowercase**

Find the MAC ID on your device label. The default password is "sw" followed by the last six lowercase characters of the MAC ID.



MAC ID: A8F7E0XXXXXX
Default Password: swXXXXXX
("x" means the last 6 digits of the MAC address.
All characters should be in lowercase.)

Figure 3-4: Managed LCD Switch MAC ID Label

Enter the default username and password, then set a new password according to the rule-based prompt and confirm it. Upon success, press any key to return to the login prompt. Log in with "admin" and the "new password" to access the CLI.

```
COM3 - Tera Term VT
File Edit Setup Control Window Help
Generating file "startup-config.cfg"
==== Generating Startup Config File
==== Backup Config File Synchroniz
==== Backup Config File Synchroniz

Press any key to continue
Username: admin
Password: b*77*9*****
You are required to change and store
Please store your new password in a
Once configured, also store a copy o
Password: The password must contain
(New)Password: *****
Verify (New)Password: *****
Success.
Press any key to continue
Username: admin
Password: *****
GS-5220-24T4XVR#
```

Figure 3-5: Create a New Password and Login Again

The user can now enter commands to manage the Managed LCD Switch. For a detailed description of the commands, please refer to the following chapters.

3.2 Configuring IP Address

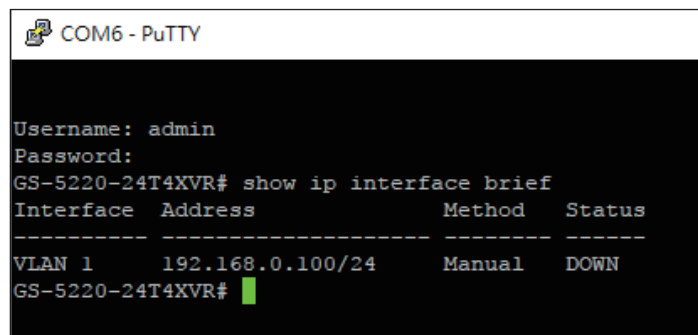
The Managed LCD Switch is shipped with default IP address shown below.

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 procedures as follows:

■ Show the current IP Address

1. At the “#” prompt, enter “**show ip interface brief**”.
2. The screen displays the current IP address as shown in Figure 3-6.



```
COM6 - PuTTY
Username: admin
Password:
GS-5220-24T4XVR# show ip interface brief
Interface  Address                Method  Status
-----  -
VLAN 1    192.168.0.100/24      Manual  DOWN
GS-5220-24T4XVR#
```

Figure 3-6: IP Information Screen

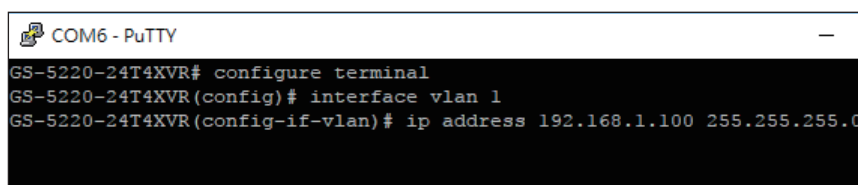
■ Configuring IP Address

3. At the “#” prompt, enter the following command and press **<Enter>** as shown in Figure 3-7.

```
GS-5220-24T4XVR # configure terminal
GS-5220-24T4XVR (config)# interface vlan 1
GS-5220-24T4XVR (config-if-vlan)# ip address 192.168.1.100 255.255.255.0
```

The previous command would apply the following settings for the Managed LCD Switch.

IP Address: **192.168.1.100**
Subnet Mask: **255.255.255.0**



```
COM6 - PuTTY
GS-5220-24T4XVR# configure terminal
GS-5220-24T4XVR(config)# interface vlan 1
GS-5220-24T4XVR(config-if-vlan)# ip address 192.168.1.100 255.255.255.0
```

Figure 3-7: Configuring IP Address Screen

4. Repeat step 1 to check if the IP address has changed.

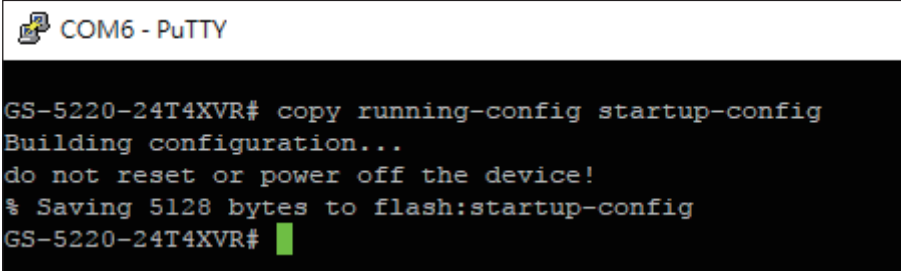
If the IP is successfully configured, the Managed LCD Switch will apply the new IP address setting immediately. You can access the Web interface of the Managed LCD Switch through the new IP address.

3.3 Storing Current Switch Configuration

In the Managed LCD Switch, the running configuration sequence `running-config` can be saved from the RAM to FLASH by **"copy"** command, so that the running configuration sequence becomes the start-up configuration file, which is called configuration save.

At the **"#"** prompt, enter the following command and press **<Enter>**.

```
# copy running-config startup-config
```



```
COM6 - PuTTY  
GS-5220-24T4XVR# copy running-config startup-config  
Building configuration...  
do not reset or power off the device!  
% Saving 5128 bytes to flash:startup-config  
GS-5220-24T4XVR# █
```

Figure 3-8: Saving Current Configuration Command Screen



Note

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

4. Starting Web Management

The following shows how to start up the **Web Management** of the Managed LCD Switch. Note the Managed LCD Switch is configured through an Ethernet connection. Please make sure the manager PC must be set to the same **IP subnet address**.

For example, the default IP address of the Managed LCD Switch is **192.168.0.100**, then the manager PC should be set to **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.

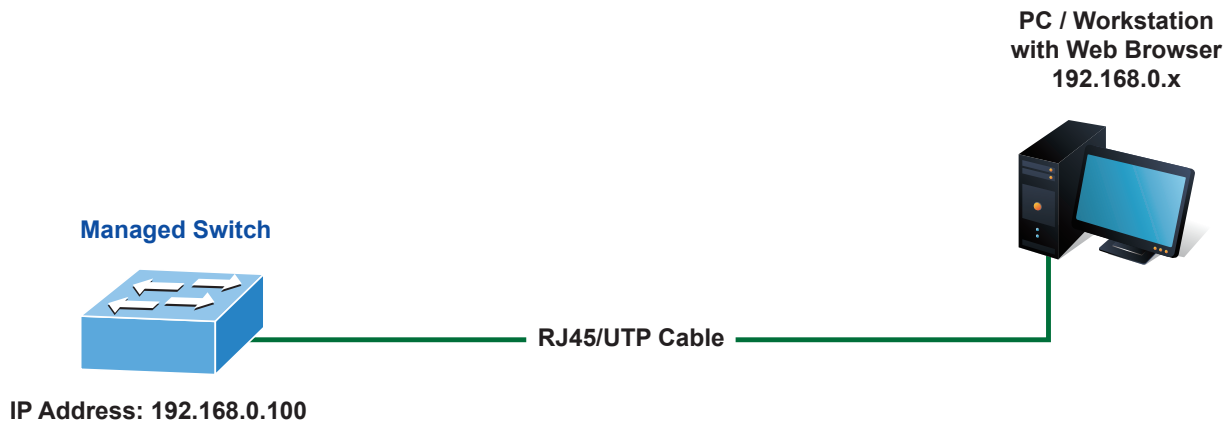


Figure 4-1: IP Management Diagram

4.1 Logging in to the Managed LCD Switch

1. Use Chrome 98.0.xxx or above Web browser and enter IP address **<https://192.168.0.100>** (the factory default IP address or the one that you have just changed in console) to access the Web interface.



Note

The following web screen is based on the firmware version before **July of 2024**.

- When the following dialog box appears, please enter the default user name and password **"admin"** (or the password you have changed via console). The login screen in Figure 4-2 appears.

Default IP Address: **192.168.0.100**
Default Username: **admin**
Default Password: **admin**

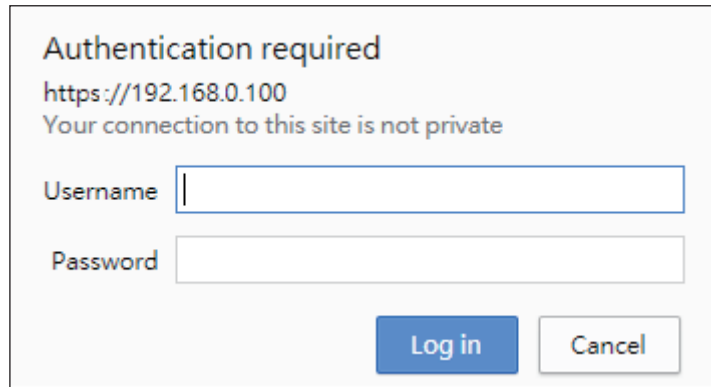



Figure 4-2: Login Screen

- After entering the password, the main screen appears as Figure 4-6 shows.

 The following web screen is based on the firmware version of **July of 2024 or after**.

Note

- When the following dialog box appears, please enter the default user name **"admin"** and the password. Refer to **Section 3.1** to determine your initial login password.

Default IP Address: **192.168.0.100**
Default User Name: **admin**
Default Password: **sw + the last 6 characters of the MAC ID in lowercase**

5. Find the MAC ID on your device label. The default password is "sw" followed by the last six lowercase characters of the MAC ID.

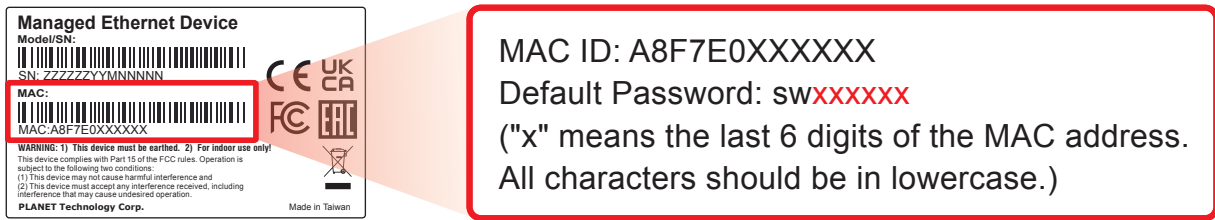


Figure 4-3: Managed LCD Switch MAC ID Label

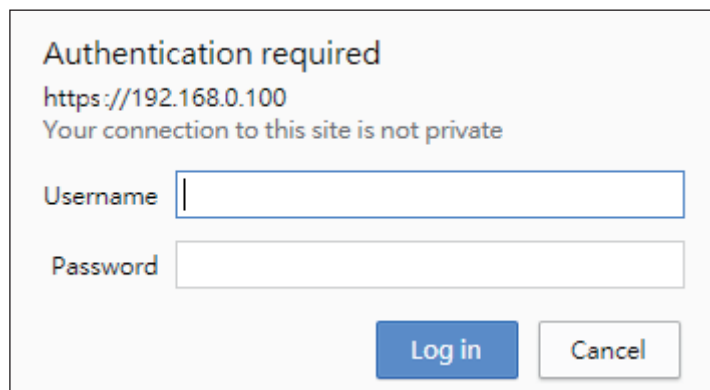


Figure 4-4: Login Screen

6. After logging in, you will be prompted to change the initial password to a permanent one.

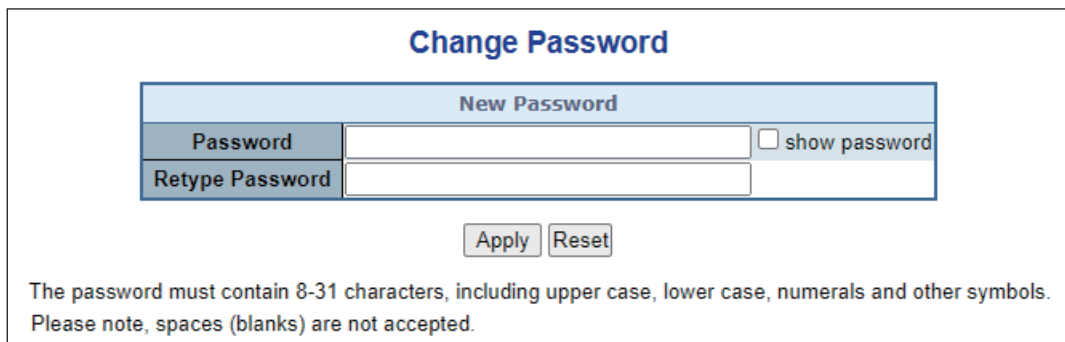


Figure 4-5: Create a New Password

7. Enter the default username and password, then set a new password according to the rule-based prompt and confirm it. Upon success, press any key to return to the login prompt. Log in with "admin" and the "new password" to access the Web interface.



Figure 4-6: Web Main Screen of Managed Switch

The Switch Menu on the top of the Web page lets you access all the commands and statistics the Managed LCD Switch provides. The Switch Menu includes System, Switching, QoS, Security, Ring and Maintenance.



Figure 4-7: Switch Menu



Figure 4-8: Switch Menu -- System

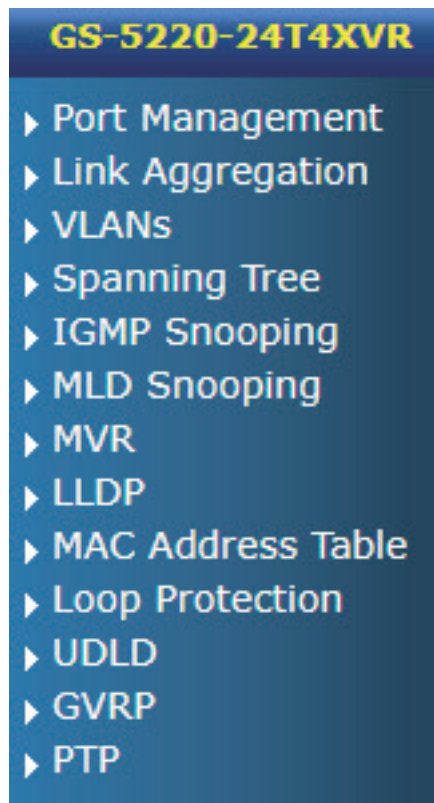


Figure 4-9: Switch Menu – Switching

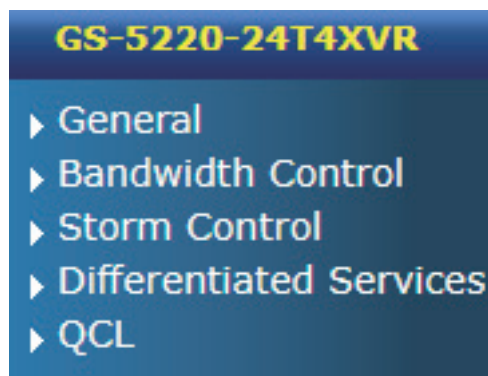


Figure 4-10: Switch Menu – QoS

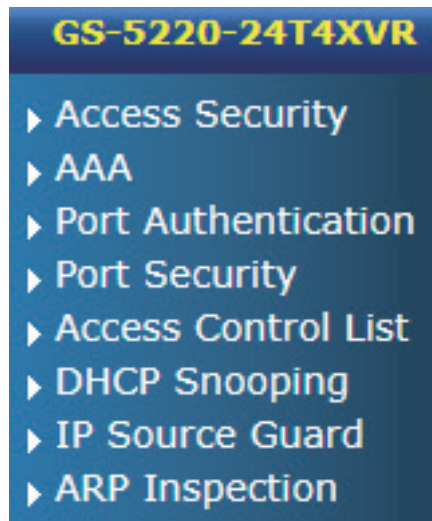


Figure 4-11: Switch Menu – Security

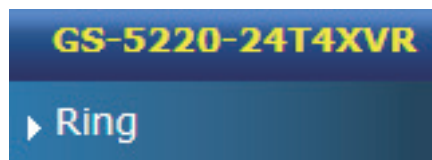


Figure 4-12: Switch Menu – Ring

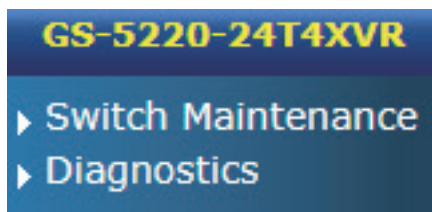


Figure 4-13: Switch Menu -- Maintenance



Note

If you are not familiar with Switch functions or the related parameter, press "**Help icon**" anytime on the Web page to get the help description.

Now, you can use the Web management interface to continue the Switch management or manage the Switch by console interface.

Please refer to the user's manual for more.

4.2 Saving Configuration

To save all applied changes and set the current configuration as a startup configuration on the Web user interface, the startup-configuration file will be loaded automatically across a system reboot.

1. Click the **Save** icon on the top Switch Menu bar.

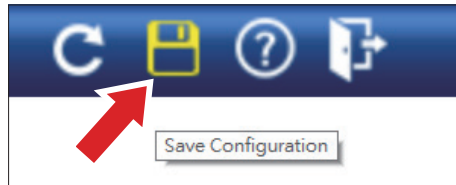
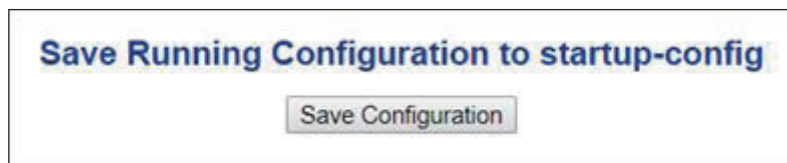


Figure 4-14: Save Config -- Hot key

2. Press the **"Save Configuration"** button.



3. Or the other way to save the setting is to click Maintenance, Save Startup Config.

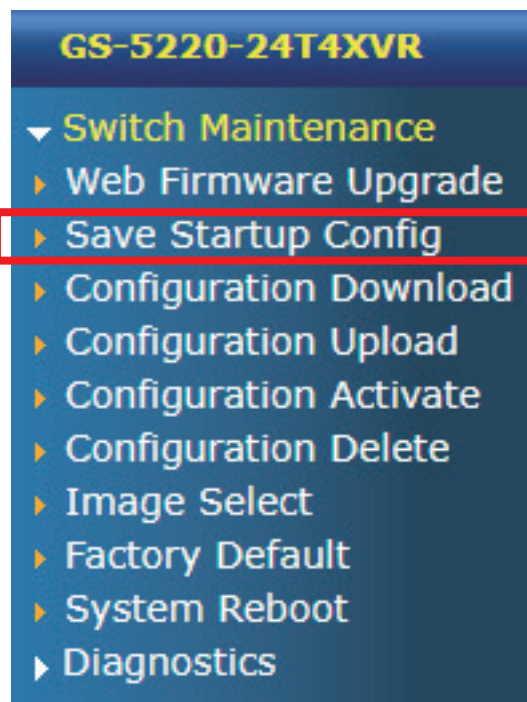


Figure 4-15: Save Config -- Maintenance

5. Recovering Back to Default Configuration

■ IP address has been changed or admin password has been forgotten –

To reset the IP address to the default IP address **"192.168.0.100"** and the user name password to factory default mode (default password is admin or sw + the last 6 characters of the MAC ID in lowercase), press the hardware-based **reset button** on the front panel for about **5 seconds**. After the device is rebooted, you can log in to the management Web interface within the same subnet of 192.168.0.xx.

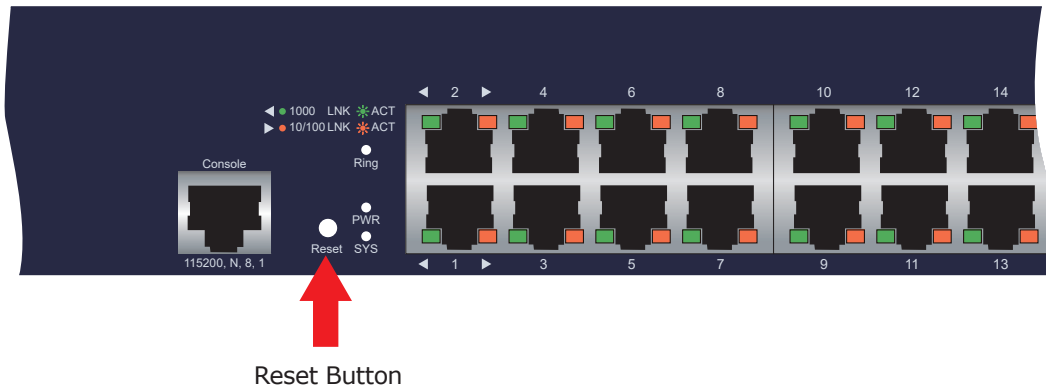


Figure 5-1: GS-5220 Series Reset Button

6. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource and User's Manual on PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET support team.

PLANET online FAQs:

<https://www.planet.com.tw/en/support/faq.php?type=1>

Support team mail address:

support@planet.com.tw

GS-5220 Series User's Manual:

<https://www.planet.com.tw/en/support/download.php?view=3&key=GS-5220#list>

Go to the link above or scan the QR code with a mobile device to select your preferred switch model.



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