



FS S5850 Series Switches Reset and Recovery System User Guide

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FS S5850 Series Switches Reset and Recovery System



S5850 and S8050 Series Switches Reset and Recovery System Configuration Guide

The S5850 and S8050 Series Switches Reset and Recovery System Configuration Guide provides detailed information on how to reset and recover the S5850 and S8050 Series Switches. The guide includes information on configuration considerations, network topology, operation steps, and restoration system.

Product Information

The S5850 and S8050 Series Switches are network switches that offer high performance and low latency. The switches are designed for data center applications and provide features such as advanced routing, high availability, and security. The S5850 and S8050 Series Switches come in different models including:

- S5850-24T16S
- S5850-24T16B
- S5850-32S2Q
- S5850-48S6Q
- S5850-48T4Q
- S5850-48S2Q4C
- S8050-20Q4C

Product Usage Instructions

Connection Equipment

To connect the S5850 and S8050 Series Switches to a PC, follow these steps:

1. Connect one end of an RJ-45 network cable to the PC NIC and the other end to the switch's network port.
2. Connect one end of Console line USB to PC's USB interface, and the other end of RJ-45 is connected to console interface of front panel of switch.

Download Configuration Software

After the connection is completed, use super terminal, putty or Secure CRT tool to configure the switch.

Switch On and Use Login Software

Follow these steps to switch on and use login software:

1. Energize the switch, then open the installed login software.
2. Select the serial port of login mode, port through the device manager to determine. Baud rate: 115200, Data bits: 8, Parity: None, Stop bits: 1.

Restoration System

Follow these steps to restore the system:

1. Set PC IP address.
2. Prepare tftp.
3. Power the switch (or power off and restart). During startup, when a countdown prompt appears to enter Uboot mode (as shown in Figure 2), press Ctrl + B to enter Uboot mode.
4. Set IP address bootrom:> setenv ipaddr 192.168.1.1
 1. bootrom:> saveenv bootrom:> setenv netmask 255.255.255.0

2. bootrom:> saveenv
5. Specify the IP of the TFTP server bootrom:> setenv serverip
 1. 192.168.1.2 bootrom:> saveenv bootrom:> setenv gatewayip
 2. 192.168.1.2 bootrom:> saveenv
6. Load the mirror boot system from the TFTP server bootrom:>
 1. boot_tftp FSOS-S5850-Series-v6.2.27.r.bin

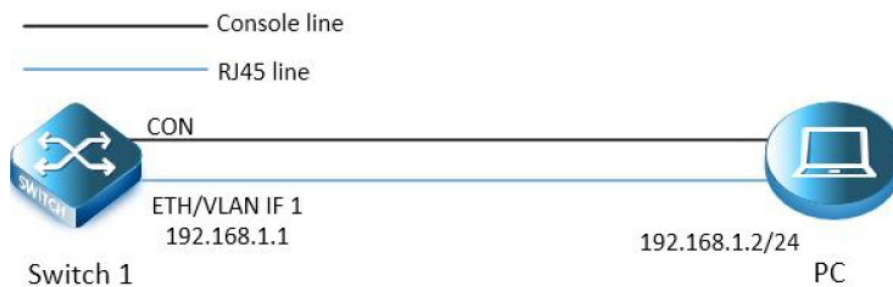
Ensure that you are properly configured as a TFTP server and that Switch routes to TFTP servers are accessible. If there is no router for routing communication between subnetworks, switches, and TFTP servers must be in the same network. Make sure that the configuration files you want to download are in the correct directory on the TFTP server. Download operation to ensure that the file's permissions are set correctly.

Configuration Considerations

Table 1 products and versions for example.

Series	Product
S5800 Series, S5850 and S8050 Series	S5800-8TF12S/S5800-48F4S/S5800-48F4SR/S5800-48T4S S5850-24T16S/S5850-24T16B/S5850-48S2Q4C S5850-48S6Q/S5850-32S2Q/S5850-48T4Q/S8050-20Q4C

Network Topology



Operation Steps

Connection Equipment

#According to the way of networking topo to connect PC and switch to network cable and Console. One end of the RJ-45 network cable is connected to the PC NIC, and the other end is connected to the SW's network port. Connect one end of Console line USB to PC's USB interface, and the other end of RJ-45 is connected to console interface of front panel of switch.

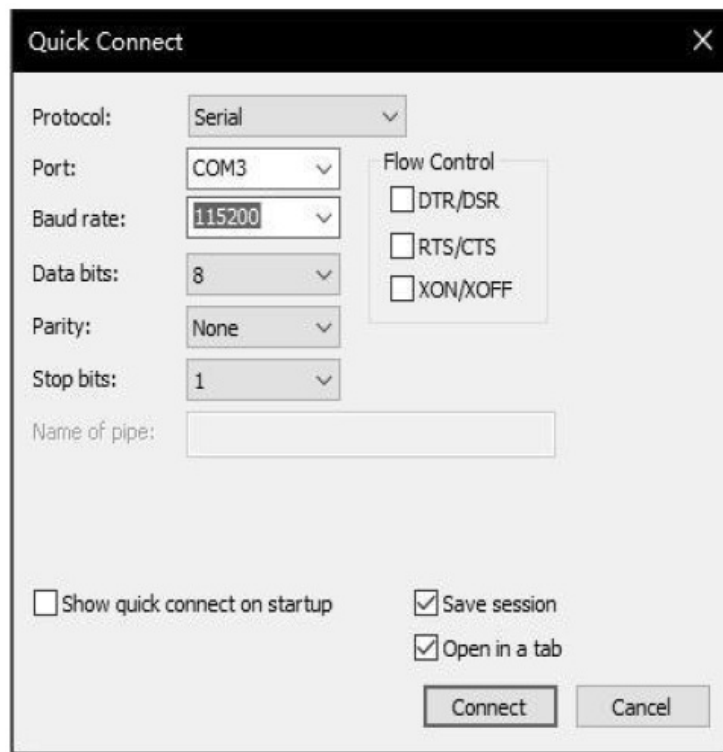
Download Configuration Software

#After the connection is completed, there we recommend the super terminal, putty or Secure CRT tool to configure the switch.

Switch on and Use Login Software

#Energizing the switch, then open the installed login software, select the serial port of login mode, port through the device

manager to determine. Baud rate :115200, Data bits: 8, Parity: None, Stop bits: 1. (Reference below)



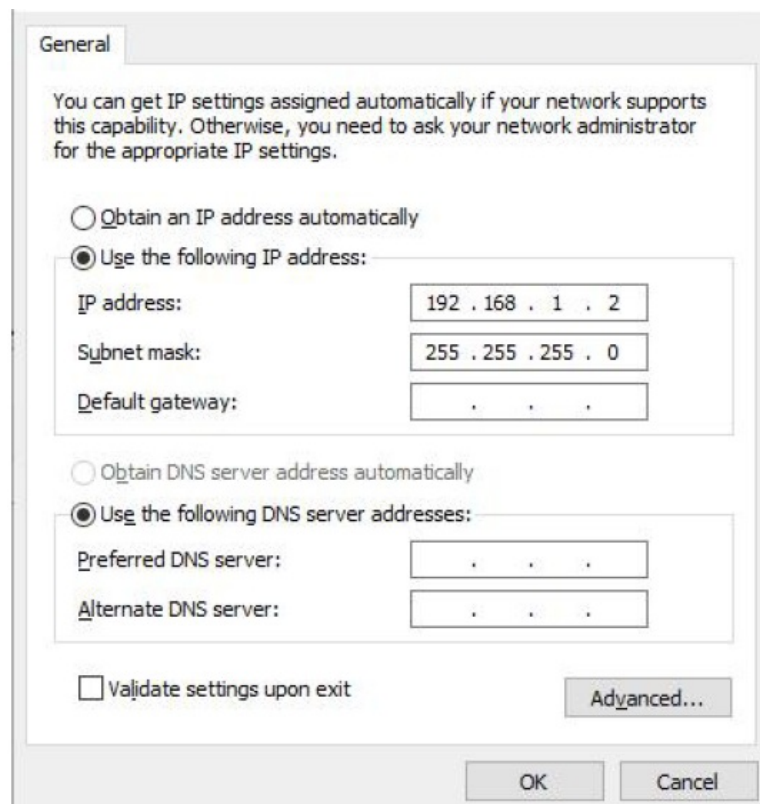
The 'Quick Connect' dialog box is shown with the following settings:

- Protocol: Serial
- Port: COM3
- Baud rate: 115200
- Data bits: 8
- Parity: None
- Stop bits: 1
- Name of pipe: (empty text box)
- Flow Control:
 - ☐ DTR/DSR
 - ☐ RTS/CTS
 - ☐ XON/XOFF
- ☐ Show quick connect on startup
- ☒ Save session
- ☒ Open in a tab
- Buttons: Connect, Cancel

NOTE: COM Number can be viewed through device manager. (right click on my computer.>manage>device manager>port (COM and LPT). If it displays an unrecognized USB device, please download and install the corresponding driver.

Restoration System

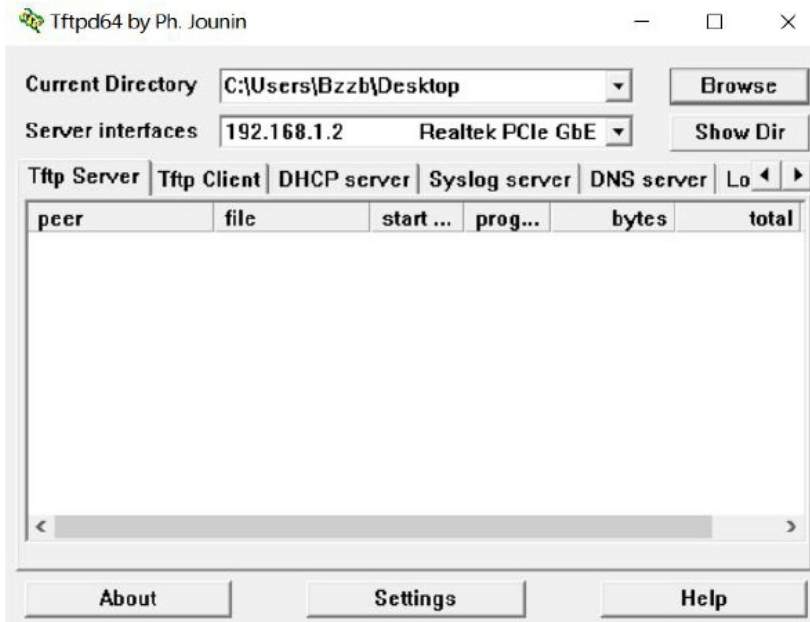
- Set PC ip address



The 'General' tab of the network settings dialog box is shown with the following settings:

- Obtain an IP address automatically: ☐
- Use the following IP address: ☒
 - IP address: 192 . 168 . 1 . 2
 - Subnet mask: 255 . 255 . 255 . 0
 - Default gateway: . . .
- Obtain DNS server address automatically: ☐
- Use the following DNS server addresses: ☒
 - Preferred DNS server: . . .
 - Alternate DNS server: . . .
- ☐ Validate settings upon exit
- Buttons: Advanced..., OK, Cancel

- Then prepare tftp



- After the connection is completed, power the switch (or power off and restart). During startup, when a countdown prompt appears to enter Uboot mode (as shown in Figure 2), press “Ctrl + B” to enter Uboot mode.

```
NAND: 2048 MiB
EEPROM: TlvInfo v1 len=110
PCIE1: Root Complex of slot 1, no link, regs @ 0xffe0a000
PCIE1: Bus 00 - 00
PCIE2: Root Complex of slot 2, no link, regs @ 0xffe09000
PCIE2: Bus 01 - 01
In: serial
Out: serial
Err: serial
Net: eTSEC2 [PRIME]

NAND read: device 0 offset 0x200000, size 0x400000
4194304 bytes read: OK
Press ctrl+b to stop autoboot: 0
Bootrom:>
Bootrom:>
Bootrom:>
```

- Set ip address
 - bootrom:> setenv ipaddr 192.168.1.1
 - bootrom:> saveenv
 - bootrom:> setenv netmask 255.255.255.0
 - bootrom:> saveenv
- Specify the IP of the TFTP server
 - bootrom:> setenv serverip 192.168.1.2
 - bootrom:> saveenv
 - bootrom:> setenv gatewayip 192.168.1.2
 - bootrom:> saveenv
- Load the mirror boot system from the TFTP server
 - bootrom:> boot_tftp FSOS-S5850-Series-v6.2.27.r.bin
- Enter the system.
 - Loading startup configuration file..... Done!
 - Mon Jan 1 00:01:20 UTC 2001
 - Ready to service!
 - Switch> enable
 - Switch#

NOTE

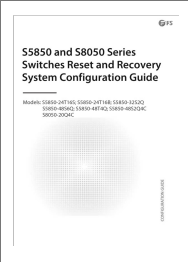
1. Attention should be paid to the following issues when loading images through TFTP servers :
 - Ensure that you are properly configured as a TFTP server;
 - Ensure that Switch routes to TFTP servers are accessible. If there is no router for routing communication between subnetworks, switches and TFTP servers must be in the same network;
 - Make sure that the configuration files you want to download are in the correct directory on the TFTP server;
 - Download operation to ensure that the file's permissions are set correctly.
2. After successfully entering the system, it is still necessary to download the upgrade package from the TFTP server to the switch system folder according to the routine process. And specify the upgrade package as the next load project for the system to start. For more information, please refer to the S5850 and S8050 Series Switches FSOS Software Upgrade Guide.

Switch to Factory Reset



- Switch# clear startup-config
- Are you sure to delete startup configuration file? [yes/no]: yes
- Switch# reboot
- Building configuration...
- Startup config file is not exist. Copy running config to Startup config? [yes/no]:no
- Reboot system? [confirm]

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Documents / Resources

	<p>FS S5850 Series Switches Reset and Recovery System [pdf] User Guide S5850-24T16S, S5850-24T16B, S5850-32S2QS5850-48S6Q, S5850-48T4Q, S5850-48S2Q4CS8050-20Q4C, S5850 Series, S8050 Series, S5850 Series Switches Reset and Recovery System, Switches Reset and Recovery System</p>
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References

-  [FS.com - Data Center, Enterprise, Telecom](#)
-  [FS.com - Data Center, Enterprise, Telecom](#)