

Gateway Reset And Recovery System Configuration Guide

Models: SG-5110, SG-3110, SG-5105

Contents

1. Restore Factory Settings.....	3
1.1 Networking Requirements.....	3
1.2 Configuration Points.....	3
1.3 Configuration Steps.....	3
1.3.1 Restore Factory Settings by Command Line.....	3
1.4 Configuration Verification.....	4
2. Password Recovery.....	4
2.1 Network Topology.....	4
2.2 Configuration Steps	5
2.2.1 Connect the Console Port of the Device with a Configuration Cable.....	5
2.2.2 Use Hyperterminal to Configure Network Devices.....	5
2.3 Configuration Verification	6

1. Restore Factory Settings

1.1 Networking Requirements

Need to clear the existing configuration of the device and restore the factory default settings.

1.2 Configuration Points

After restoring the factory settings, the original configuration will be cleared. If the configuration is more important, please backup the configuration first;

If the router's WEB interface fails to log in, you need to use the console line to restore the factory through the command line;

After restoring the factory settings, the default IP of the 0/MGMT interface is 192.168.1.1, and the user name and password are both admin;

1.3 Configuration Steps

1.3.1 Restore Factory Settings by Command Line

Log in to the device command line through telnet or hyper terminal.

In SG-5110# mode, enter the command delete flash:config.text, and when prompted to confirm the deletion of the file, enter Y to confirm.

```
SG-5110#dir
Directory of flash:/
Number  Properties  Size           Time           Name
-----  -
 1      -rw-        8.6k          Tue Jul 14 02:19:39 2020  config.text
 2      drwx         16.0k         Mon Aug 11 12:43:16 2008  lost+found
 3      -rw-        61B           Mon Aug 11 12:44:07 2008  patch.url
 4      drwx         4.0k          Wed Jun 24 02:29:02 2020  flowctrl_update
 5      drwx         4.0k          Mon Aug 11 12:44:37 2008  syslog
 6      drwx         4.0k          Wed Jun 24 03:28:15 2020  portal
 7      drwx         4.0k          Mon Aug 11 12:43:42 2008  rep
 8      drwx         4.0k          Thu Mar 26 12:31:57 2020  fs_licns
 9      drwx         4.0k          Mon Aug 11 12:44:39 2008  storage
10     drwx         4.0k          Mon Aug 11 12:43:43 2008  var
11     drwx         4.0k          Mon Jun  8 19:51:55 2020  auto_route
12     drwx         4.0k          Mon Aug 11 12:43:51 2008  upgrade
13     -rwx         1.6k          Mon Aug 11 12:43:51 2008  rsa_private.bin
14     drwx         4.0k          Mon Aug 11 12:43:45 2008  mode_mgmt
15     -rwx         21B           Tue Jul 14 02:19:38 2020  syslog_rfc5424_flag.txt
16     -rwx         1.6k          Mon Aug 11 12:43:49 2008  rsa1_private.bin
17     drw-         4.0k          Mon Aug 11 12:44:05 2008  httpcache
18     dr--         4.0k          Mon Aug 11 12:44:01 2008  sslvpn
19     -rw-         8B            Tue Jul 14 02:19:39 2020  ap-config.text
20     -rw-         1.4k          Tue Jul 14 02:32:35 2020  diskstats
21     -rwx         444B          Wed Jun 24 03:25:49 2020  user-info.csv
22     -rw-         424B          Mon Aug 11 12:44:17 2008  patch.config
```

9 files, 13 directories

1,023,270,912 bytes data total (1,016,688,640 bytes free)

```
1,073,766,400 bytes flash total (1,016,688,640 bytes free)
```

```
SG-5110#delete flash:config.text
```

```
Do you want to delete [flash:/config.text]? [Y/N]:y
```

After deleting the configuration file, in the SG-5110# mode, enter the reload command to confirm the restart, enter Y, after the device restarts, restore to the factory settings.

```
SG-5110#reload
```

```
Reload system?(Y/N)y
```

1.4 Configuration Verification

After restoring the factory settings, configure a computer with an IP of 192.168.1.10 and a subnet mask of 255.255.255.0 and a gateway of 192.168.1.1. Connect this computer to the device's 0/MGMT port;

Open the computer to run, enter cmd, enter ping 192.168.1.1 in the pop-up window to see if it can be pinged, if it can be pinged, the recovery is successful;

```
C:\Users\FS>ping 192.168.1.1
```

```
Ping 192.168.1.1 has 32 bytes of data:
```

```
Reply from 192.168.1.1: byte=32 time=2ms TTL=64
```

```
Reply from 192.168.1.1: byte=32 time=2ms TTL=64
```

```
Reply from 192.168.1.1: byte=32 time=3ms TTL=64
```

```
Reply from 192.168.1.1: byte=32 time=2ms TTL=64
```

```
Ping statistics of 192.168.1.1:
```

```
Packet: Sent = 4, Received = 4, Lost = 0 (0% lost),
```

```
Estimated time of round trip (in milliseconds):
```

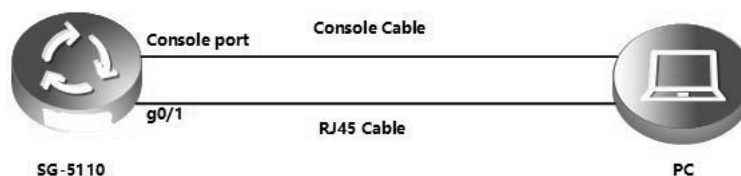
```
Shortest = 2ms, longest = 3ms, average = 2ms
```

2. Password Recovery

*Notes on password recovery

- When doing password recovery, please prepare the console line first.
- Password recovery needs to restart the device, which will cause network disconnection. Please perform password recovery when it is convenient to disconnect the network;
- If the administrator himself has forgotten the web management password of the gateway device and cannot log in through the web, then he can enter the CTRL layer through the configuration line for password recovery, and the previous configuration information can be retained;

2.1 Network Topology



2.2 Configuration Steps

2.2.1 Connect the Console Port of the Device with a Configuration Cable

2.2.2 Use Hyperterminal to Configure Network Devices

Manually power off and restart the device

When the Ctrl+C prompt appears, press the CTRL and C keys simultaneously on the keyboard to enter the bootloader menu

```
U-Boot V3.3.0.9dc7669 (Dec 20 2018 - 14:04:49 +0800)

Clock: CPU      1200 [MHz]
      DDR       800  [MHz]
      FABRIC    800  [MHz]
      MSS       200  [MHz]

DRAM:  2 GiB

U-Boot DT blob at : 000000007f680678
Comphy-0: SGMII1      3.125 Gbps
Comphy-1: SGMII2      3.125 Gbps
Comphy-2: SGMII0      1.25 Gbps
Comphy-3: SATA1       5 Gbps
Comphy-4: UNCONNECTED 1.25 Gbps
Comphy-5: UNCONNECTED 1.25 Gbps
UTMI PHY 0 initialized to USB Host0
UTMI PHY 1 initialized to USB Host1
MMC:   sdhci@780000: 0
SCSI:  Net:   eth0: mvpp2-0, eth1: mvpp2-1, eth2: mvpp2-2 [PRIME]
SETMAC: Setmac operation was performed at 2020-03-25 20:19:16 (version: 11.0)
Press Ctrl+C to enter Boot Me 0
Entering simple UI...
```

```
===== BootLoader Menu("Ctrl+Z" to upper level) =====
```

```
TOP menu items.
```

```
*****
```

- 0. Tftp utilities.
- 1. XModem utilities.
- 2. Run main.
- 3. SetMac utilities.
- 4. Scattered utilities.

```
*****
```

After entering the bootloader menu, enter the Ctrl and Q keys simultaneously to enter the uboot command line

In the uboot command line state, enter the command `main_config_password_clear`.

```
===== BootLoader Menu("Ctrl+Z" to upper level) =====
```

```
TOP menu items.
```

```
*****
```

- 0. Tftp utilities.
- 1. XModem utilities.

2. Run main.
3. SetMac utilities.
4. Scattered utilities.

Press a key to run the command:

```
Bootloader# main_config_password_clear
```

After the device restarts, enter enable to enter the global mode, and modify the privileged password and WEB administrator password in the device configuration mode as follows:

Configure a new WEB password

```
SG-5110>enable
```

```
SG-5110#config t
```

```
SG-5110(config)# webmaster username admin password admin -----The new username and password is admin
```

```
SG-5110(config)#exit
```

Configure the command line privileged password

```
SG-5110(config)# enable secret admin -----Set the command line privilege password to admin
```

```
SG-5110#write -----Save configuration
```

When VPN and WEB authentication is enabled, the console interface will also perform user authentication. You need to modify the password for user authentication. Otherwise, the console interface cannot be logged in after exiting. You need to reconfigure the telnet password on the WEB interface to solve or configure the telnet user and password in the command.

```
SG-5110(config)#username admin password admin
```

NOTE: After entering the system, do not exit before changing the password; otherwise, enter the original password again;

2.3 Configuration Verification

Login with a new user name and password to confirm successful login.



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.