



FS N5860 Series Switch Rest and Recovery System User Guide

[Home](#) » [FS](#) » FS N5860 Series Switch Rest and Recovery System User Guide 

Contents

- [1 FS N5860 Series Switch Rest and Recovery System](#)
- [2 Switch Reset and Recovery System Configuration Guide](#)
- [3 Restore factory settings](#)
- [4 Password Recovery](#)
- [5 Documents / Resources](#)
 - [5.1 References](#)
- [6 Related Posts](#)



FS N5860 Series Switch Rest and Recovery System



Switch Reset and Recovery System Configuration Guide

The Switch Reset and Recovery System Configuration Guide provides instructions for restoring factory settings and recovering passwords for the following switch models:

- N5860 Series
- N8560 Series
- NC8200 Series
- NC8400 Series

Contents

1. Restore factory settings
2. Password recovery

Restore factory settings

If you forget the device password but want to restore the device to the factory settings, follow these steps:

1. Enter privileged mode by typing `S5860>enable`.
2. View the current file list of the device flash by typing `S5860#dir`.
3. Delete the configuration file config. text by typing `S5860#delete config.text`.
4. Restart the device by typing `S5860#reload`.

After restarting, the device will return to factory settings.

Password Recovery

If the administrator forgets the login password and cannot enter the configuration mode for configuration, follow these steps for password recovery:

1. Prepare the console line.
2. Enter the CTRL layer when you restart the device.

Note: Password recovery is an operation that is completed when you enter the CTRL layer when you restart the device.

*If you forget the device password, but want to restore the device to the factory settings, you can refer to the “password recovery” operation, enter the operating mode and restore the factory settings as follows.

Restore factory settings

When you can enter the device operating mode normally:

Enter privileged mode

S5860>enable ——>Enter privileged mode

View the current file list of the device flash

S5860#dir ——>View the current flash file list

Directory of flash:/

Number Properties Size Time Name

1. drw- 288B Wed Mar 4 19:36:50 2020 at
2. drwx 160B Wed Mar 4 19:36:45 2020 dev
3. drwx 160B Wed Mar 4 19:36:36 2020 rep
4. drwx 224B Wed Mar 4 19:36:36 2020 var
5. drwx 160B Wed Mar 4 19:36:46 2020 addr
6. rw- 0B Wed Mar 4 19:36:51 2020 msg_rtp_lvl2.txt
7. rw- 0B Wed Mar 4 19:39:15 2020 msg_rtp_lvl3.txt
8. rw- 0B Wed Mar 4 19:39:01 2020 ssc_fp_appmng_debug.txt
9. rwx 82B Mon Jul 13 17:16:43 2020 config_vsu.dat
10. rw- 1.7k Mon Jul 13 17:16:44 2020 config. text
11. rw- 0B Wed Mar 4 19:36:55 2020 ss_ds_debug.txt
12. rwx 21B Mon Jul 13 17:16:43 2020 syslog_rfc5424_flag.txt
13. rwx 620B Wed Mar 4 19:36:47 2020 rsa_private.bin
14. rwx 616B Wed Mar 4 19:36:44 2020 rsa1_private.bin
15. rw- 0B Wed Mar 4 19:36:50 2020 ss_comm.txt
16. drwx 160B Wed Mar 4 19:36:46 2020 upgrade
17. drwx 224B Wed Mar 4 19:36:46 2020 unify_manage
18. drwx 312B Tue Jul 7 11:07:22 2020 syslog
19. rw- 0B Wed Mar 4 19:38:48 2020 policy_adjust_debug.txt
20. drw- 224B Wed Mar 4 19:38:48 2020 arpswitch
21. rw- 0B Wed Mar 4 19:36:55 2020 ss_ds_timeout.txt

12 files, 9 directories

6,103,040 bytes data total (5,951,488 bytes free)

266,338,304 bytes flash total (5,951,488 bytes free)

Delete the configuration file “config. text”

S5860#delete config.text —>Delete the configuration file “config. text”

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

File “config.text” is deleted.

Restart the device. After restarting, the device will return to factory settings:

S5860#reload —>Restart the switch

Reload system?(Y/N) y

Password Recovery

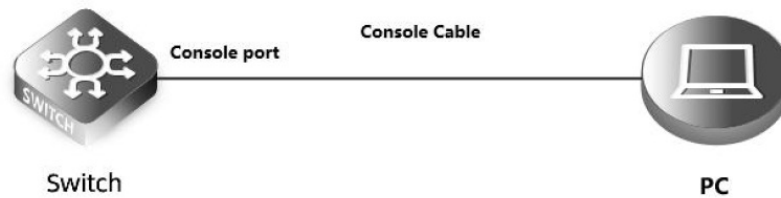
If the administrator forgets the login password and cannot enter the configuration mode for configuration, then you need to use the configuration line to enter the CTRL layer for password recovery.

*Notes on password recovery

- When doing password recovery, please prepare the console line first.
- Password recovery is an operation that is completed when you enter the CTRL layer when you restart the device. You need to disconnect the network to proceed. Please perform password recovery when it is convenient to disconnect the network.
- Please strictly follow the operation steps, improper operation will cause configuration loss.
- The password recovery of the switch is the password recovery of saving the configuration mode.

- After entering the CLI command line interface, if you do not enter any keys within 10 minutes, you still need to enter the password after the timeout. Or the password has not been changed after input, the device will use the previous password after the next restart.

Network topology



Configuration steps

Connect the console port of the device with a configuration cable.
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

Boot 1.2.28-0c4a1bf (Feb 09 2017 – 17:14:53)

I2C: ready

DRAM: 1024 MiB

NAND: 1024 MiB

In: serial

Out: serial

Err: serial

Unlocking L2 Cache ...Done

arm_clk=1000MHz, axi_clk=400MHz, apb_clk=100MHz, arm_periph_clk=500MHz

SETMAC: Setmac operation was performed at 2020-02-28 15:24:58 (version: 11.0)

Press Ctrl+ C to enter Boot Menu

Net: eth-0

Entering simple UI....

===== Boo t Loader Menu("Ctrl+ Z" to upper level) =====

TOP menu items.

0. Tftp utilities.

1. X Modem utilities.

2. Run main.

3. Set Mac utilities.

4. Scattered utilities.

5. Set Module Serial

- After entering the bootloader menu, enter the Ctrl and Q keys simultaneously to enter the u boot 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. X Modem utilities.

2. Run main.

3. Set Mac utilities.

4. Scattered utilities.

5. Set Module Serial

Press a key to run the command: ——>Enter the Ctrl key and Q key to enter the u boot command line
bootloader #main _config _password _clear

- The device will automatically run the main program and print the log

Press a key to run the command:

bootloader #main _config _password _clear

Creating 1 MTD partitions on "nand0":

0x0000001000000-0x0000002e00000 : "mtd=6"

UBI: attaching mtd1 to ubi0

UBI: physical erase block size: 131072 bytes (128 KiB)

UBI: logical erase block size: 126976 bytes

UBI: smallest flash I/O unit: 2048

UBI: VID header offset: 2048 (aligned 2048)

UBI: data offset: 4096

UBI: attached mtd1 to ubi0

UBI: MTD device name: "mtd=6"

UBI: MTD device size: 30 MiB

UBI: number of good PEBs: 240

UBI: number of bad PEBs: 0

UBI: max. allowed volumes: 128

UBI: wear-leveling threshold: 4096

UBI: number of internal volumes: 1

UBI: number of user volumes: 1

UBI: available PEBs: 19

UBI: total number of reserved PEBs: 221

UBI: number of PEBs reserved for bad PEB handling: 2

UBI: max/mean erase counter: 2/0

UBIFS: recovery needed

UBIFS: recovery deferred

UBIFS: mounted UBI device 0, volume 0, name "kernel"

UBIFS: mounted read-only

UBIFS: file system size: 26030080 bytes (25420 KiB, 24 MiB, 205 LEBs)

UBIFS: journal size: 3682304 bytes (3596 KiB, 3 MiB, 29 LEBs)

UBIFS: media format: w4/r0 (latest is w4/r0)

UBIFS: default compressor: LZO

UBIFS: reserved for root: 0 bytes (0 KiB)

Unmounting UBIFS volume kernel!

Uncompressing Kernel Image ... OK

Loading Device Tree to 823fc000, end 823ff745 ... OK

Starting kernel ...

- You can enter the configuration CLI command line interface without a password at this time.

```
S5860>enable
S5860#configure
```

NOTE: After entering the CLI command line interface, if there is no button, the password is required when entering again. The default timeout is 10min. Please change the password in time before timeout.


- Change password

Functional Verification

Log in to the switch again, and log in with the new user name and password to confirm that the login is successful.

www.fs.com

Documents / Resources

	<p>FS N5860 Series Switch Rest and Recovery System [pdf] User Guide</p> <p>N5860 Series, N8560 Series, NC8200 Series, NC8400 Series, N5860 Series Switch Rest and Recovery System, N5860 Series, N5860 Series Switch Recovery System, N5860 Series Switch Rest System, Switch Rest and Recovery System, Switch Rest System, Switch Recovery System</p>
--	--

References

- [FS.com](http://www.fs.com) - Data Center, Enterprise, Telecom