

Firmware Version: 1.00.010
Boot Code Version: 1.00.003
MIB Version: 1.00.010
Published: Mar 24, 2026

These release notes include important information about D-Link switch firmware revisions. Please verify that these release notes are correct for your switch:

- If you are installing a new switch, please check the hardware version on the device label; make sure that your switch meets the system requirement of this firmware version. Please refer to Revision History and System Requirement for detailed firmware and hardware matrix.
- If the switch is powered on, you can check the hardware version by typing "show switch" command via Telnet or by checking the device information page on the web graphic user interface.
- If you plan to upgrade to the new firmware release, please refer to the Upgrade Instructions for the correct firmware upgrade procedure.

For more detailed information regarding our switch products, please refer to Related Documentation.

You can also download the switch firmware and technical documentation from http://tsd.dlink.com.tw.

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Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version	MD5-CHECKSUM
Runtime: V1.00.010 Boot: 1.00.003	28-Jan-2026	DGS-1250-28X DGS-1250-28XP DGS-1250-52X DGS-1250-52XP	B1	de8a7299ab93ec7dd98604def4e83081
Runtime: V1.00.005 Boot: 1.00.003	29-Sep-2025	DGS-1250-28X DGS-1250-28XP	B1	

Upgrade Instructions:

D-Link Switches support firmware upgrade via TFTP server. You can download the firmware from D-Link web site http://tsd.dlink.com.tw, and copy the downloaded firmware to the TFTP server folder. Please make sure that the TFTP server is accessible from the switch via networks.

Upgrade using CLI (via Telnet)

1. If you use Telnet, please make sure the network connection between the switch and PC is active.

2. Via Telnet: Use software that supports telnet, for example, HyperTerminal or Telnet command in Microsoft Windows, to connect to the switch. If you are using Telnet command, type the command followed by the switch IP address, eg. *telnet 10.90.90.90*.

3. The logon prompt will appear.
The switch will prompt the user to enter his/her username and password. Both the default user name and password are **"admin"**.

The switch not support to upgrade current startup image id, will automatically upgrade to another image id.

To upgrade the switch firmware, execute the following command:

Command	Function
copy tftp://LOCATION/SOURCE-URL	Download firmware file from the TFTP server to the switch.

When completing firmware upgrade, the following messages will pop up.

```
Switch# copy tftp://10.90.90.99/DGS-1250-SERIES-V1-00-005-FW.hex
TFTP Firmware Upgrade processing..................Do not power off!!
Firmware upgrade successfully!
Switch#
```

4. Select image id that was successful upgrade firmware as next start up image id, reboot system and execute the following command to check the firmware version and switch's information.

Command	Function
show switch	Display the information of current firmware and boot version.
show firmware	Display the information of the image or firmware.

Example:

```
1.  Switch# copy tftp://10.90.90.99/DGS-1250-SERIES-V1-00-005-FW.hex
    TFTP Firmware Upgrade processing..................Do not power off!!
    Transferring firmware..................   10%
    Firmware upgrade successfully!
    Switch#

2.  Switch# show switch
```

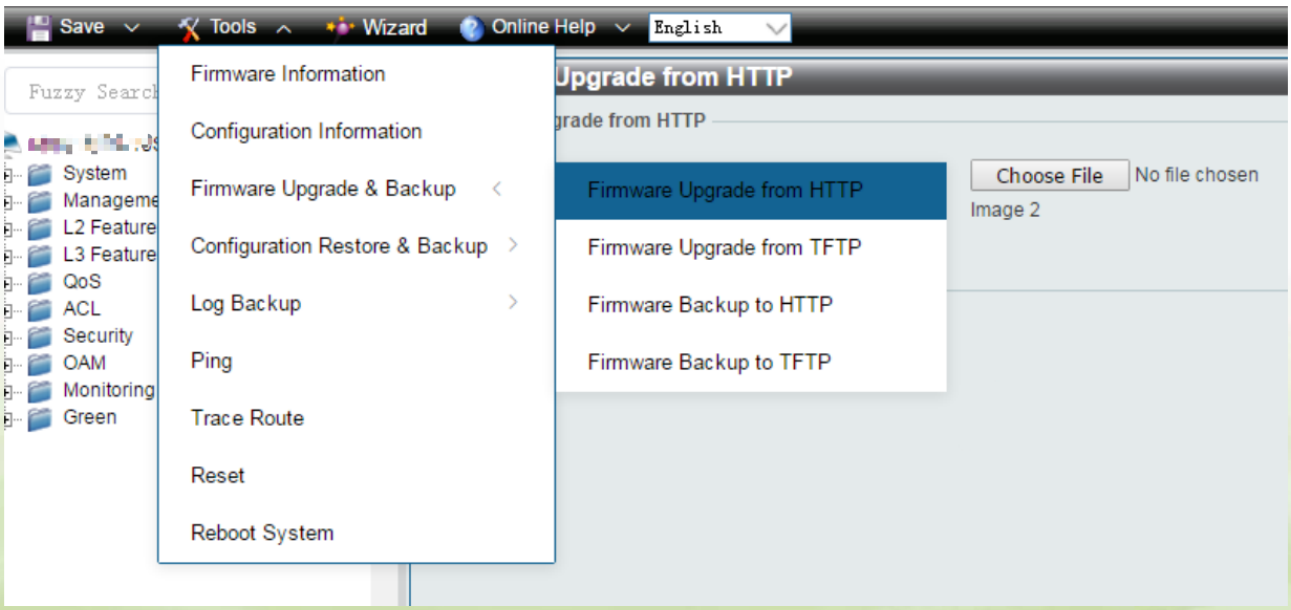
```
Device Information
  Device Type          : DGS-1250-28X Gigabit Ethernet Smart Managed Switch
  System Name          : Switch
  System Location      :
  System Contact       :
  Boot PROM Version    : 1.00.003
  Firmware Version     : V1.00.005
  Hardware Version     : B1
  MAC Address          : 00-12-55-99-00-78
  IP Address           : 10.90.90.90
  Mask                 : 255.0.0.0
  Gateway              : 0.0.0.0
  System Time          : 01/01/2025 00:40:34
  Serial Number        : QQABC12345600
Switch#
```

3. Switch# **show firmware**

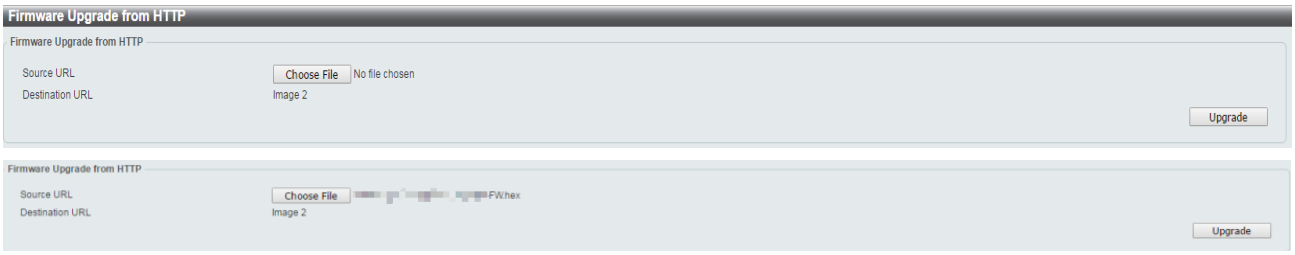
```
 Image ID    Version       Size(B)     Update Time
 ----------  ------------  ----------  ------------
 *1c         V1.00.005     12247024    01/01/2025 00:47:45
  2          V1.00.005     12247024    01/01/2025 00:06:45

 c : Current boot up firmware
 * : Boot up firmware
```

Upgrade using Web-UI

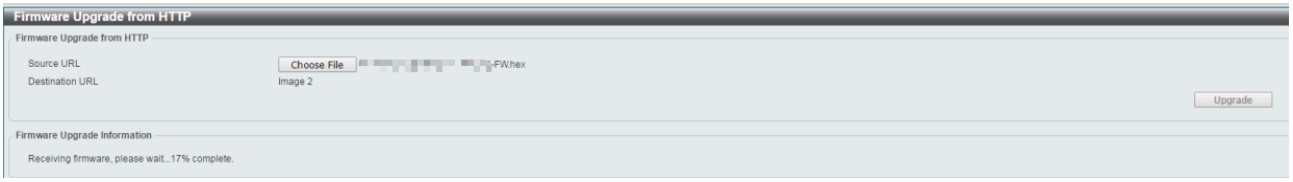
1. Connect a workstation to any switch port of the device.
2. Open the web browser from the workstation and enter the IP address of the switch. The switch's default IP address is 10.90.90.90.
3. Press OK to login. Both the username and password are **"admin"** by default.
4. To update switch's firmware or configuration file, select ***Tools > Firmware Backup & Upgrade*** from the banner.



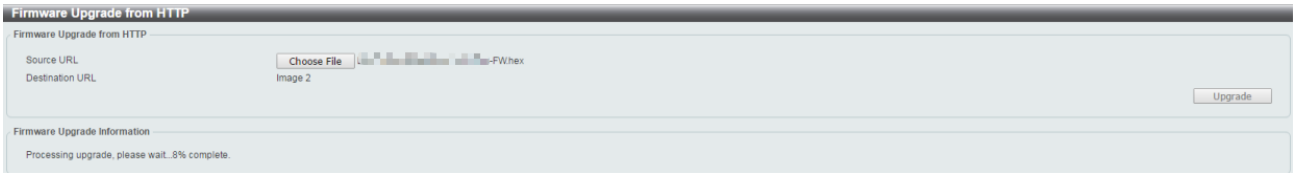
5. Two methods can be selected : **HTTP** or **TFTP**
6. Select **Firmware Update from HTTP** to upgrade the firmware to or from your local drive of PC.



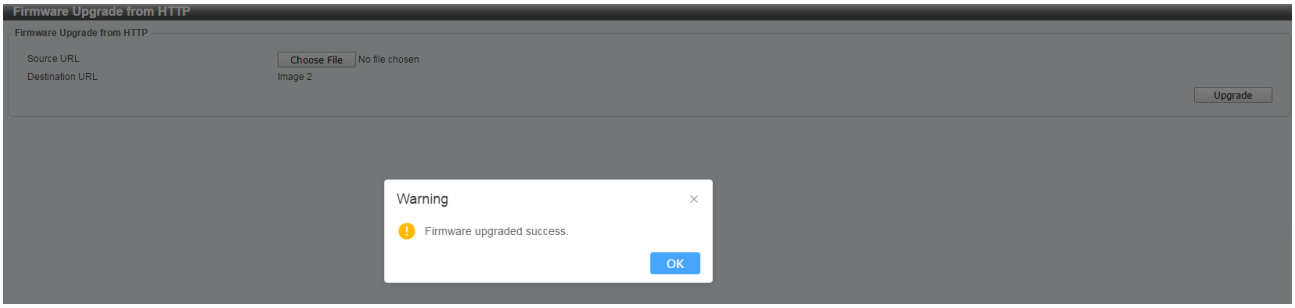
a. Click **"Choose File"** to browse your inventories for a saved firmware file
b. Click **Upgrade** after selecting the firmware file you want to upgrade



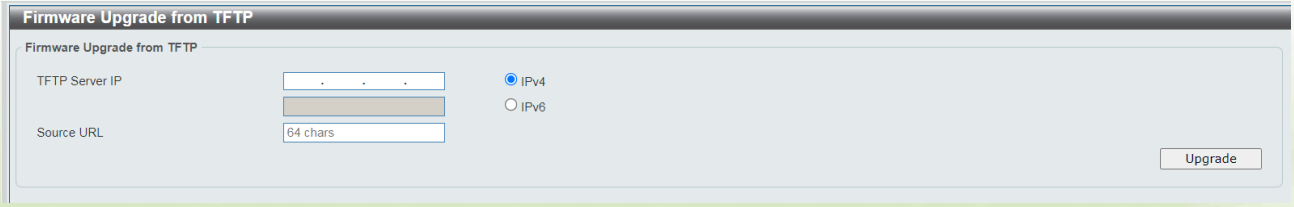
c. It will be download the firmware file to DUT.
d. When download success, do not power off, and will continue process upgrading (write firmware to flash).



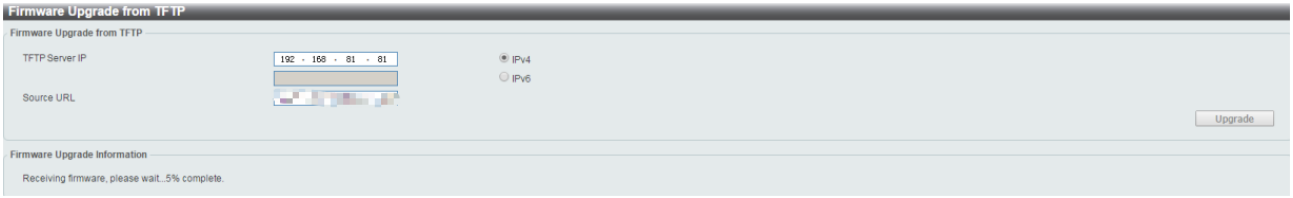
e. Wait until the "Firmware Upgrade Successful" message pops up.



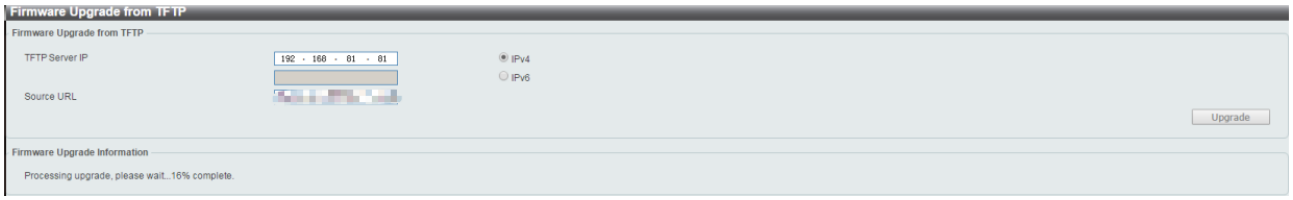
7. Select **TFTP** to upgrade the firmware to or from a remote TFTP server.



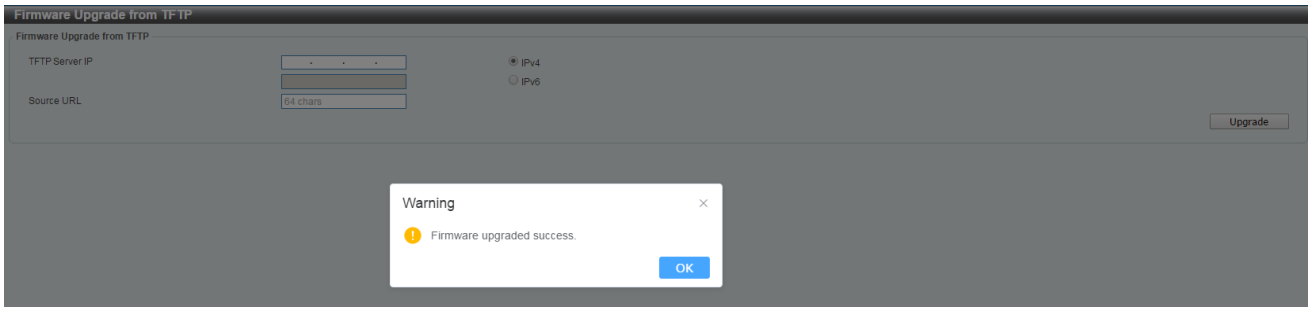
a. Enter the TFTP server IP and the URL of the firmware file located on the TFTP server.
b. Click **Upgrade** after selecting the firmware file you want to restore.
c. It will be download the firmware file to DUT.



d. When download success, do not power off, and will continue process upgrading (write firmware to flash).



e. Wait until the firmware upgrade ends.



New Features:

Firmware Version	New Features
V1.00.010	1. Support "authentication username mac-format"; 2. Support Nuclias Unity connection;
V1.00.005	1. First Release

Changes of MIB :

For detailed changes of MIB content, please refer to the modification history in each MIB file.

Mib Version	MIB File	New Features
V1.00.010	DGS-1250-SERIES-V1.00.010.mib	1. Support "authentication username mac-format"
V1.00.005	DGS-1250-SERIES-V1.00.005.mib	First Release

Changes of Command Line Interface:

The section below only shows command line changes that may bring backward compatibility issues with configuration settings for previous version of firmware.
Any new feature commands that do not have backward compatibility issues are not included in the below section.

Firmware Version	Changes
V1.00.010	1. Support "do show run" 2. Support "show run all" 3. Support "Show run interface" 4. update "ip enable" to "no shutdown", "no ip enable" to "shutdown" 5. Support "authentication username mac-format" 6. Default terminal width set to 200 7. add "Description" column for cmd "sh in stat"
V1.00.005	First Release

Problem Fixed:

Firmware Version	Problems Fixed

V1.00.010	1. [DKP0911067-0002] The DGS-1250 cannot deny incorrect IP and MAC packets when dhcp snooping binding reach to 512 entr 2. [DKP1704041-009] Traffic_Segmentation-ARP forwarding under IMPB test not fit Criteria 2 3. [DKP1705027-0024] IMPB-Strict mode test failed. 4. [DKP1801053-0017] ARP-CPU Utilization check via SNMPwalk - CPU utilization will over 80% when snmpwalk arp entries. 5. [DKP1705027-41] IMPB-IPSG: L3 packets not dropped and not support rxACLDropPkts in counter 6. [DKP1905010-0061] The DUT Web UI does not support delete dynamic IPv6 Neighbors, CLI support it, CLI and WEBGUI shou 7. [DKP1903022-0088] Expert ACL_Traffic Test: DHCP Packets, dst.port 68 cannot be denied. 8. [DKP1705027-0027] IMPB-ACL (Permit)-IP Inspection (Drop) test failed. 9. [DKP1905010-0098] The DUT IPv6 Ready Logo RFC4862 and RFC4443 exist fail items. 10. [DGS-1250-28XP B1 1.00.P006]High CPU Utilization During CLI and SNMP Operations on Switch 11. Switch Crash and Reset Failure After Configuration Changes [DUSA20251108000003-U] 12. DKP1704033-0013 IGMP Snooping Static Group-Work with Multicast VLAN 13. Switch Crash and Reset Failure After Configuration Changes [DUSA20251108000003-U]
V1.00.005	First Release

Known Issues:

Firmware Version	Issues	Note
1.00.005-1.00.010	1. DGS-1250 random learned MAC Address table size is 15147. No-random learned mode can reached to 16383.	(HW Limitation) No Need to fix.
	2. Trunk group members cannot enable LBD, that does not fit D-Lab request and DGS-1250 Rev.A1 behavior.	(Current design)
	3. LBD feature invalid when enable LBD and port security set to 0	(Current design)
	4. The DUT LACP group cannot be created when LBD port state enable even LBD Globa state disable.	(Current design)
	5. DGS-1250 Rev.B1 traceroute IPv6 through routing will cause trace result display incorrect.	(Current design)
	6. IGMP Snooping Multicast Filtering Mode Test : forward-all/forward-unregistered does not work	(Know issue)

	7. The DUT Web UI does not support delete DHCPv6 snooping dynamic binding entries, but CLI support it, please modify Web settings rule same as CLI.	(Know issue)
	8. The DUT IPv6 source guard feature priority is higher than ACL deny	(Current design)
	9. IMPB-ACL (UDP Deny) and IP Inspection (Permit). The UDP packet with destination port 5678 was successfully blocked. This confirms that the ACL rule is only triggered when all specified parameters are matched.	(Current design)
	10. DGS-1250 Series traceroute result will be affect when lots ARP packets sending in the same time.	(Limitation) No Need to fix
	11. ARP Spoofing Prevention-IMPB and ASP on a same port, the ASP does not has a higher priority than IMPB.	(Current design)
	12. ARP Spoofing Prevention-ACL and ASP on a same port -ACL rules priority is not higher than ASP's	(Current design)
	13. Cable Diagnostics - Link down with partner test result all pairs still display OK not Open	(Limitation)
	14. When the device is not connected to any network cable, the CPU usage of DGS-1250-28X is above 20%.	(Limitation)

Related Documentation:

- DGS-1250 Series B1 User Manual
- DGS-1250 Series Getting Started Guide