

D-Link

Firm ware Version:	2.00.011
Boot Code Version:	1.00.004
Published:	Sept. 17, 2010

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 <u>Revision History and System Requirement</u> 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 <u>Upgrade Instructions</u> for the correct firmware upgrade procedure.

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Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
Runtime: v2.00.011		DGS-1210-10P	A1
Boot: 1.00.004	2010/09/17	DGS-1210-48	A1
Runtime: v2.00.011	2010/03/17	DGS-1210-16	A1
Boot: 1.00.003		DGS-1210-24	A1
		DGS-1210-10P	A1
Runtime: v1.00.015 Boot: 1.00.002	2010/01/07	DGS-1210-16	A1
2001. 1.00.002		DGS-1210-24	A1
Runtime: v1.00.014 Boot: 1.00.002	2010/01/05	DGS-1210-10P	A1
Runtime: v1.00.011 Boot: 1.00.003	2009/12/22	DGS-1210-48	A1

Upgrade Instructions:

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

* It is not necessary to upgrade boot code on the switch.

Upgrade using CLI (via Telnet)

1. Make sure the network connection between the switch and PC is active.

2. 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. It should be noted that upon the initial connection, both the default user name and password are **admin**.

To upgrade the switch firmware, execute the following command:

Command	Function
download{firmware_fromTFTP	Download firmware file from the TFTP server to the switch.
tftp://ip-address/filename cfg_fromTFTP	
tftp://ip-address/filename}	
When completing firmware upgrade, the following me	essages will pop up.

Device will reboot after firmware upgraded successfully Image upgraded successfully

4. 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.

Example:

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```
1. DGS-1210-10P:
Command: download firmware_fromTFTP tftp://10.90.90.91 DGS-1210-10P A1_
2.00.011.hex
Device will reboot after firmware upgraded successfully
Image upgraded successfully
```

2. **DGS-1210-10P:**

Command: show switch	
DGS-1210-10P> show switch	
System name	:
System Contact	:
System Location	:
System up time	: 0 days, 1 hrs, 8 min, 36 secs
System Time	: 01/01/2009 01:58:42
System hardware version	: A1
System firmware version	: 2.00.011
System boot version	: 1.00.004
System Protocol version	: 2.00.004
System serial number	: LABDGS1224008
MAC Address	: 00-12-24-00-08-00

Upgrade using Web-UI

- 1. Connect a workstation installed with java SE runtime environment 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. Enter administrator's password when prompted. The password is **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

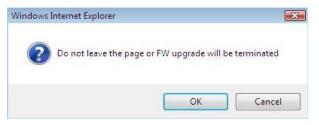
HTTP			
Backup firmware to file :	(Backup)		
Lipprade firmware from file (Browse	
	(upgrade)		
TFTP Server IP Address			
TETP File Name			
Backup firmware to file :	(Backup		
Upgrade firmware from file :	Upgrade		

- 6. Select **HTTP** to upgrade the firmware to or from your local drive of PC.
 - a. Click **Browse** to browse your inventories for a saved firmware file
 - b. Click Upgrade after selecting the firmware file you want to restore
 - c. Click **OK** to continue with firmware upgrade

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d. Click **OK** to continue with firmware upgrade



e. Wait until the "Firmware Upgrade Successful" message pops up and login again after device boots up.

È	File transfer done. Programming, please wait for a few mins.
	Continue
Fir	mware Backup and Upgrade

- 7. Select **TFTP** to upgrade the firmware to or from a remote TFTP server.
 - a. Enter the name of the firmware file located on the TFTP server
 - b. Click Upgrade after selecting the firmware file you want to restore
 - c. Click **OK** to continue with firmware upgrade

ndows internet	Explorer				
and pl	lease do not ap	ply other c	hanges wher	uploading.	
			ОК	Cance	1
	7 The br and p	The browser connecti and please do not ap	The browser connection will be d and please do not apply other cl	and please do not apply other changes wher Reconnect to the device later when uploading	The browser connection will be disconnected, and please do not apply other changes when uploading. Reconnect to the device later when uploading completes.

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d. Wait until the firmware upgrade ends and login again after device boots up.



Upgrade using SmartConsole Utility

1. Connect a workstation installed with java SE runtime environment to any switch port of the device

2. Execute SmartConsole Utility

6	00	😔 📀			<u> </u>	Disc
Settings	nitor IP Address	HAC Address	Protocol Version	Product Name	System Name	
						-
- 1-						-
UH:						-
E						
⊢						-
						-
						-
Ŀ						-

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lity Settings Monitor	IP Address	MAC Address	Protocol Version	Product Name	System Name
	172.17.5.173	0018e74884a4	2.001.004	DGS-1210-24	
-	172.17.5.133	001228000800	2.001.004	DES-1210-28	
	172.17.5.250	001346345292	2.001.001	DGS-1248T	5F-250
	192.168.0.100	001e58044818	2.001.003	DGS-1216T	
	192.168.0.1	0040f4821c31	2.001.002	DES-2110	
	172.17.5.136	0011cabo45fe	2.001.003	DGS-1224T	
		1			
		1			
		1			



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4. Single click the icon of Monitor column to choose the target switch

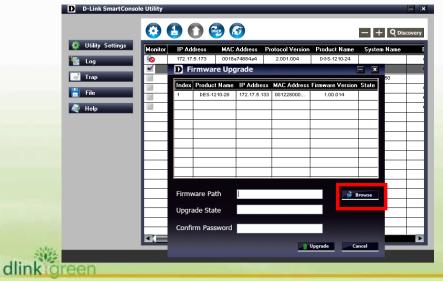
Address	MAC Address	Protocol Version	Product Name	System Na
2.17.5.173	0018e74884a4	2.001.004	DGS-1210-24	
2.17.5.133	001228000800	2.001.004	DES-1210-28	
2.17.5.250	001346345292	2.001.001	DGS-1248T	6F-250
.168.0.100	001e58044818	2.001.003	DGS-1216T	
2.168.0.1	0040f4821c31	2.001.002	DES-2110	
2.17.5.136	0011cabo45fe	2.001.003	DGS-1224T	
	2.17.5.133 2.17.5.250 1.168.0.100 12.168.0.1	2,17.5.133 001228000800 2,17.5.250 001346345292 :.168.0.100 001±58044818 :2.168.0.1 0040f4821c31	2.17.5.133 001228000800 2.001.004 2.17.5.250 001346346202 2.001.001 1.188.0.100 001+65044818 2.001.003 2.188.0.1 004044821+31 2.001.002	2.17.5.133 001228000600 2.001.004 DES-1210.28 2.17.5.250 001346346262 2.001.001 DeS-1248T :108.0.100 001658044818 2.001.003 DeS-1210T :2.168.0.1 00404821c31 2.001.002 DES-1210

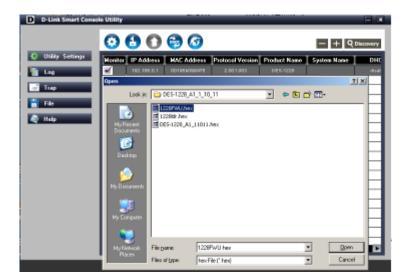
5. Click Firmware Upgrade button

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Monitor	IP Ad				Product Name	System Na
⊗ √	172.17 D F	.5.173 0018 irmware Upg	e74884a4 grade	2.001.004	DGS-1210-24	- x
	Index	Product Name	- IP Addres	s MAC Address	Firmware Version	50 State
	1	DES-1210-28	172.17.5.13	3 001228000	1.00.014	
	-					
	_					
-						
	Firm	ware Path			-	Browse
	Upgra	ade State				
	Confi	rm Password				

6. Click Browse button and select the firmware file (Model name_HW ver._FW ver. .hex) on your local hard drive.





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7. Enter password and click "Upgrade" button to start firmware upgrade. The default password is "admin".

D Firmware Up	grade	- ×
Device Inform Device IP Device Mac	nation 192.168.0.1 00195b099475	
Upgrade Sett Firmware Path		Browse
Upgrade State		_
Confirm Passw	ord *****	Cancel

8. Once the message popped up, click "OK" button to complete the firmware upgrade

🔕 Utility Settings	Monitor	IP Address	MAC Address	Protocol Version	Product Name	System Name	
Sa Log	Z	192.100 D.1	001958099475	2.001.003	DES-1220		
📑 Trap	L						
💾 File							
Help		D Infor	mation		×		
		۰	Firmware upgr	ode successful OK			



New Features:

Firmware Version	New Features
V2.00.011	 Web GUI supports multiple languages Auto Surveillance VLAN ARP Spoofing Prevention DHCP Server Screening DHCP Auto Configuration Multicast Filtering: Filter for unregistered groups and forward unregistered groups. SNMPV3 SSL Debug info command
V1.00.015	First release for DGS-1210-16/24
V1.00.014	First release for DGS-1210-10P
V1.00.011	First release for DGS-1210-48

Changes of MIB & D-View Module:

The new features of MIB file are also included in the corresponding D-View module. Please download the D-View module from http://tsd.dlink.com.tw. For detailed changes of MIB content, please refer to the modification history in each MIB file.

Firmware Version	MIB File	New Features
V2.00.011	DGS-1210-10P_Ax_2_00_004.mib DGS-1210-16_A1_2_00_004.mib DGS-1210-24_AX_2_00_004.mib DGS-1210-48_A1_2_00_004.mib	 Auto Surveillance VLAN ARP Spoofing Prevention DHCP Server Screening DHCP Auto Configuration Multicast Filtering SNMPV3 SSL
V1.00.015	DGS-1210-16_A1_1_00_004.mib DGS-1210-24_A1_1_00_004.mib	First release for DGS-1210-16/24
V1.00.014	DGS-1210-10P_Ax_1_00_007.mib	First release for DGS-1210-10P

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V1.00.011	DGS-1210-48_A1_1_00_003.mib	First release for DGS-1210-48
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Firmware Version	D-View Module File	New Features
V2.00.011	DV_DGS-1210-10P_V2.0.0.11_FW _v2.00.011.exe DV_DGS-1210-16_V2.0.0.11_FW_ v2.00.011.exe DV_DGS-1210-24_V2.0.0.11_FW_ v2.00.011.exe DV_DGS-1210-48_V2.0.0.1_FW_v 2.00.003.exe	 Auto Surveillance VLAN ARP Spoofing Prevention DHCP Server Screening DHCP Auto Configuration Multicast Filtering SNMPV3 SSL
V1.00.015	DV_DGS-1210-10P_V1.0.0.11_FW _v1.00.014.exe DV_DGS-1210-16_V1.0.0.10_FW_ v1.00.015.exe DV_DGS-1210-24_V1.0.0.10_FW_ v1.00.015.exe	First release for DGS-1210-16/24
V1.00.014	DV_DGS-1210-10P_V1.0.0.11_FW _v1.00.014.exe	First release for DGS-1210-10P
V1.00.011	DV_DGS-1210-48_V1.0.0.10_FW_ v1.00.011.exe	First release for DGS-1210-48

Changes of Command Line Interface:

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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
V2.00.011	None
V1.00.015	First release for DGS-1210-16/24
V1.00.014	First release for DGS-1210-10P
V1.00.011	First release for DGS-1210-48

Problem Fixed:

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Firmware Version	Problems Fixed
V2.00.011	Fix web issue about the left menu does not show correctly via Firefox browser V3.6 for 1920*1080 Screen resolution. (HQ20100311000005)
V1.00.015	 Change User Guide URL link for DGS-1210-10P First release for DGS-1210-16/24
V1.00.014	First release for DGS-1210-10P
V1.00.011	First release for DGS-1210-48

* D-Link tracking number is enclosed in ()

Known Issues:

Firmware Version	Issues	Workaround
V2.00.011	ΝΑ	None
V1.00.015		
V1.00.014	When two ports transmit packets to the same destination port with the same queue, the received rate is not stable.	None
V1.00.011		

Related Documentation:

- DGS-1210 Series Web UI Reverence Guide
- DGS-1210 Series Getting Started Guide

