DGS-1210-10P Firmware Release Notes



D-Link

Firmware Version: 3.12.015 Boot Code Version: 1.00.013 MIB Version: 3.12.004 D-View Module Version: 3.0.0.6 Published: Apr. 15, 2014

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.

For more detailed information regarding our switch products, please refer to <u>Related</u> <u>Documentation</u>.

You can also download the switch firmware, D-View modules and technical documentation from http://tsd.dlink.com.tw.

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Revision History and System Requirement:								
Firmware Version	Date	Model	Hardware Version					
v3.12.015	15- Apr14	DGS-1210-10P	B1					
V3.10.013	13-Nov-12	DGS-1210-10P	B1					

Upgrade Instructions:

D-Link Smart 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. 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 messages will pop up.

Device will reboot after firmware upgraded successfully Image upgraded successfully

4. Execute the following command to check the firm	ware version and switch's information.
Command	Function
	Display the information of current

firmware and boot version.

snow	switch	

Example:

1. DGS-1210-10P:

Command: download firmware fromTFTP tftp://10.90.90.91 DGS-1210-10P B1 3 00 012.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
                                   :
                                  : 0 days, 1 hrs, 8 min, 36 secs
System up time
                                  : 01/01/2012 01:58:42
System Time
                               : B1
: 3.00.012
System hardware version
System firmware version
System boot version
System Protocol version
                                  : 1.00.005
                                  : 2.001.004
System serial number
                                   : LABDGS1220008
MAC Address
                                  : 00-12-20-00-08-00
```

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

Firmware Backup and Upgrade		0 Enfeguard
• нттр		
Backup firmware to file :	Backup	
Upgrade firmware from file (Browse
	(upgrade)	
0 TPP		
TFTP Server IP Address		
TETP File Name		
Backup firmware to file :	(flackup)	
Upgrade firmware from file :	Upgrude	

- 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

Windows Internet Explorer			
Do not leave the page or FW upgra	de will be terminated		
	K Cancel ;ful	" message pops	up and login again after device
Firmware Backup and Upgra	ie		
File transfer done. Programming. mins.	., please wait for a few		
Continue			
Firmware Backup and Upgra	de		
Firmware Upgrade Successful. P device boot up.	lease login again after		

- 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

6	The browser connection will be disconnected,
3	and please do not apply other changes when uploading.
	Reconnect to the device later when unloading completes
	Reconnect to the device later when uploading completes.

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

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D D-Link SmartConso	le Utility	_					
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💭 Utility Settings	Select	Monitor	Product Name	IP Address	Subnet Mask	Gateway	MAC Add
🔚 Log			DGS-1210-28	10.90.90.90	255.0.0.0	0.0.0.0	00-12-34
📑 Trap							
👰 Monitor List							
About	<u> </u>						
	<u> </u>						
	<u> </u>						
	<u> </u>						
		_					

3. Click Discovery button to search target switch

D D-Link SmartConsol	e Utility		_	_		_	
	00		i 😳 🚱			– + वि	Discover
Outility Settings	Select	Monitor	Product Name	IP Address	Subnet Mask	Gateway	MAC Add
🔚 Log			DGS-1210-28	10.90.90.90	255.0.0.0	0.0.0.0	00-12-34
📑 Trap							
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Monitor List							
About							
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4. Single click the icon of Monitor column to choose the target switch

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💭 Utility Settings	Select N	Ionitor	Product Name	IP Address	Subnet Mask	Gateway	MAC Add
🔚 Log			DGS-1210-28	10.90.90.90	255.0.0.0	0.0.0.0	00-12-34
📑 Trap							
👰 Monitor List							
About							

5. Click Firmware Upgrade button

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Trap	D	Firmware	Upgrade				- ×	
A Monitor List	In	dex Produ	ict Name	IP Address	MAC Address	Firmware V	Status	
	_	1 DGS-	1210-28	10.90.90.90	00-12-34-56-7	3.00.012		
About	-							
				_			_	
		Firmwar	e Path				Browse	
		Upgrade	Status	Current	Progress 0%			
		Passwor	ď					
					-			
					Upgrade		ancel	

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

Dtility Settings		select Monitor	Product Name	IP Address	Subnet Mask	Gateway	MAC Ad
tog		V 💮	DGS-1210-28	10.90.90.90	255.0.0.0	0.0.0.0	00-12-34
📑 Trap	D Firm	ware Upgrade				- ×	
nonitor List	Index 1	Product Name DGS-1210-28	IP Address 10.90.90.90	MAC Address	Firmware V 3.00.012	Status	
about 🧳							
	Fi	mware Path				Browse	
	Up	grade Status	Current	Progress 0%			
	Pa	ssword					
				Upgrade		Cancel	

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D-Link Smart(onsole L	Jtility	_	_	_	_	_	
	0	•		😌 🎯			– + Q	Discover
Outility Settings	1 6	Select	Monitor	Product Name	IP Address	Subnet Mask	Gateway	MAC Add
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📑 Trap	D Firr	nware I	Jpgrade				- ×	
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About	1	DGS-	1210-28	10.90.90.90	00-12-34-56-7	3.00.012		
About								
								- 1
	F	irmwar	e Path	DGS-1210-28-8	1-3-00-012.hex	÷	Browse	
	U	pgrade	Status	Currentl	Progress 0%			
	Р	asswor	d					
					Upgrade		Cancel	

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

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	00	0 😌 🗿			- + Q	Discover
QUtility Settings	Select Moni	tor Product Name	IP Address	Subnet Mask	Gateway	MAC Add
🎦 Log		DGS-1210-28	10.90.90.90	255.0.0.0	0.0.0.0	00-12-34
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About						
				_	_	- 1
	Firmware Pat	h DGS-1210-28-6	31-3-00-012.hex		Browse	
	Upgrade State	us Current	Progress 0%			
	Password	*****				
			† Upgrade		Cancel	



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

D-Link Smart(onsol	e Utility						
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Utility Settings		Select	Monitor	Product Name	IP Address	Subnet Mask	Gateway	MAC Add
🎦 Log		V		DGS-1210-28	10.90.90.90	255.0.0.0	0.0.0.0	00-12-34
📑 Trap	DF	irmware	Upgrade				- ×	
A Monitor List	Ind	ex Produ	ict Name	IP Address	MAC Address	Firmware V	Sidius	
	1	DGS	1210-28	10.90.90.90	00-12-34-56-7	3.00.012	Success	
About								
		Firmwar	e Path	DGS-1210-28-8	1-3-00-012.hex	<i>2</i>	Browse	
		Upgrade	Status	Proces	ssing100%			
		Passwor	·d	****				
					Upgrade		ancel	

New Features:

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Firmware Version	New Features
V3.12.015	N/A
V3.10.013	 IPv6 address configuration: web, TFTP, SNMP, Telnet, Radius server, SSL, SNTP, Trusted Host, DHCP Server Screening, System Log IPv4/IPv6 Dual Stack IPv6 Neighbor Discovery IPv6 ACL ICMPv6 ZoneDefense MIB Loopback Detection upgrades to v4.04 Add CoS packet classification for TOS, TCP/UDP port, and Traffic Class IPv6 Ready Logo Phase II Add EEE configuration page and change the default setting to Disable

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
V3.12.015	DGS-1210-10P-BX-3_12_004.mib	1. Adding poePortDelayPowerDetect object to fix PoE IOT issue with HIKVision Camera
V3.10.013	DGS-1210-10P-BX-3-10-008.mib	First Release



Firmware Version	D-View Module	New Features
V3.10.013 V3.12.015	DV_DGS-1210-10P_V3.0.0.6_FW_v3.00.012.exe	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
V3.12.015	N/A
V3.10.013	First Release

Problem Fixed:

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Firmware Version	Problems Fixed
V3.12.015	 Add New default MAC (B0C5540 ~ B0C5547) for ASV function. Fix PoE IOT issue with HIKVision Camera (DUSA20140101000001)
V3.10.013	First Release

* D-Link tracking number is enclosed in ()

Known Issues:

	Firmware Version	Issues	Workaround
	V3.12.015	N/A	None
	V3.10.013	 When connecting to Intel 82579 LM LAN controller in EEE mode, the link went up and down for a minute and then became stable. (DGC20120823000001) When connecting to JMicron JMC251A LAN controller in EEE mode, the link speed might drop to 100Mbps. (DGC20120820000003) 	 Upgrading to the latest Intel driver and the link will become stable in EEE enable mode. Or disable EEE function on the switch. The early version of JMC251A did not fully comply with IEEE802.3az. Please disable he EEE function on the switch.
dlink	reen		



Related Documentation:

- DGS-1210-10P Series User Manual
- DGS-1210-10P Series Getting Started Guide

