

Firmware Version:	DXS-1210-12TC	1.10.012
	DXS-1210-12SC	1.10.012
	DXS-1210-10TS	1.10.012
Boot Code Version	DXS-1210-12TC	1.00.004
	DXS-1210-12SC	1.00.004
	DXS-1210-10TS	1.00.004
Published:	November 23, 20	15

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</u> <u>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.

Content:

Upgrade Instructions:	3
Upgrade using CLI (via Telnet)	3
Upgrade using Web-UI	4
Upgrade using D-Link Network Assistant Utility	7
New Features:	11
Changes of MIB & D-View Module:	11
Changes of Command Line Interface:	12
Problem Fixed:	12
Known Issues:	12
Related Documentation:	13

Revision History a	and System	Requirement:
--------------------	------------	--------------

D-Link

Firmware Version	Date	Model	Hardware Version
Runtime: V1.10.012 Boot: V1.00.004	Nov. 23, 2015	DXS-1210-10TS DXS-1210-12TC DXS-1210-12SC	A1
Runtime: V1.00.035 Boot: V1.00.004	Feb. 05, 2015	DXS-1210-12TC	A1
Runtime: V1.00.24 Boot: V1.00.004	Mar 02 2015	DXS-1210-12SC	A1
Runtime: V1.00.021 Boot: V1.00.004	Mai. 02, 2015	DXS-1210-10TS	A1



DXS-1210 Series Firmware Release Notes

Upgrade Instructions:

D-Link

D-Link Smart Switches support firmware upgrade via TFTP server. You can download the firmware from D-Link web site <u>http://tsd.dlink.com.tw</u>, 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 **unnecessary**.

To upgrade the switch firmware, execute the following command:

Command	Function
copy <ipaddr> <path_filename 64=""> <image/></path_filename></ipaddr>	Download firmware file from the TFTP server to the switch.

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

Connectir	ng to Server	Dor	ne				
Transfer	firmware	Do	o not	power	of	f!!	
Transfer	firmware		5%				
Transfer	firmware		11%				
Transfer	firmware		16%				
Transfer	firmware		22%				
Transfer	firmware		28%				
Transfer	firmware		33%				
Transfer	firmware		39%				
Transfer	firmware	••••	44%				
Transfer	firmware	••••	50응				
Transfer	firmware	••••	55%				
Transfer	firmware		61%				
Transfer	firmware		67%				
Transfer	firmware		72%				
Transfer	firmware		78%				
Transfer	firmware		83%				
Transfer	firmware		89%				
Transfer	firmware		95%				
Transfer	firmware		100%				
Transfer	firmware		Done	€.			
Upgrade p	processing		Do no	t powe	er	off!	!
Upgrade p	processing		Done	9			
Firmware	upgrade successfully!						



D-Link DXS-1210 Series Firmware Release Notes

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:

1. DXS-1210-12TC> copy 10.90.99 DXS-1210-12TC-V1-10-012-ALL.hex image-1

Command: copy 10.90.90.99 DXS-1210-12TC-V1-10-012-ALL.hex image-1

Connectir	ng to Server	.Done	Э			
Transfer	firmware	Do	not	power	off!	!
Transfer	firmware	••	5%			
Transfer	firmware	••	11%			
Transfer	firmware	••	16%			
Transfer	firmware	••	22%			
Transfer	firmware	••	28%			
Transfer	firmware	••	33%			
Transfer	firmware	••	39%			
Transfer	firmware	••	44%			
Transfer	firmware		50%			
Transfer	firmware	••	55%			
Transfer	firmware	••	61%			
Transfer	firmware	••	67%			
Transfer	firmware	••	72%			
Transfer	firmware	••	78%			
Transfer	firmware	••	83%			
Transfer	firmware	••	89%			
Transfer	firmware	••	95%			
Transfer	firmware	••	100%			
Transfer	firmware	••	Done			
Upgrade p	processing	I	Do no	t powe	er of	f!!
Upgrade p	processing	••	Done	è		
Firmware	upgrade successfully!					

2. DXS-1210-12TC> show switch

Command: show switch

```
System Name:SwitchSystem Location:System Contact:System Time:01/12/2014 00:56:37System Hardware Version:A1System Firmware Version:V1.10.012System Boot PROM Version:V1.00.004System Serial Number:QBDGS12102800MAC Address:04-05-02-03-04-01
```

Upgrade using Web-UI

dlink areen

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

DXS-1210 Series Firmware Release Notes

- 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 **unnecessary** by default.
- To update switch's firmware or configuration file, select *Tools > Firmware Upgrade & Backup* from the banner.



5. Two methods can be selected : HTTP or TFTP

D-Link

dlink

'een

6. Select **Firmware Upgrade from HTTP** to upgrade the firmware to or from your local drive of PC.

Firmware Upgrade from H1	TP			
Firmware Upgrade from HTTP				
Source URL Destination URL	Browse	Upgrade		

- a. Click Browse to browse your inventories for a saved firmware file
- b. Select "Image1" or "Image2" for upgrading image.
- c. Click Upgrade after selecting the firmware file you want to restore
- d. The firmware will be downloaded to the switch.

Firmware Upgrade from H	TP
Eirmware Upgrade from HTTP	
- initial o pgrado nom tri ti	
Source URL	C:\Users\ZYJ\Desktop\tftj Browse
Destination URL	Image1
	Upgrade Transfering firmware, please wait29% complete.

e. When download successfully, please DO NOT power off the switch.

Firmware Upgrade from HT	TP
Firmware Upgrade from HTTP	
Source URL	C:\Users\ZYJ\Desktop\tft[Browse
Destination URL	Image1
	Upgrade Processing upgrade, please wait Do not power off!!

f. Please wait until the system pops up the "The firmware upgrade successfully" message.

5



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

Firmware Upgrade from TFTP			
Firmware Upgrade from TFTP			
TFTP Server IP	· · · · • • IPv4		
Source URL			
Destination URL	Image1		

- a. Enter the TFTP server IP and the URL of the firmware file located on the TFTP server.
- b. Select "Image1" or "Image2" for upgrading image.
- c. Click **Upgrade** after selecting the firmware file you want to restore.
- d. The firmware will be download to the switch.

Firmware Upgrade from Th	TP
Firmware Upgrade from TFTP	
TFTP Server IP	10 · 90 · 90 · 99 (IPv4
	○ IPv6
Source URL	210-12TC-V1-00-026-ALL.hex
Destination URL	Image1
	Upgrade Transfering firmware, please wait13% complete.

e. When download successfully, please DO NOT power off the switch.

Firmware Upgrade from	IF TP
Firmware Upgrade from TFTP –	
TFTP Server IP	10 · 90 · 99 • 99 • IPv4
	○ IPv6
Source URL	210-12TC-V1-00-026-ALL.hex
Destination URL	Image1
	Upgrade Processing upgrade, please wait Do not power off!!

f. Please wait until the system pops up a successful message.





D-Link

Upgrade using D-Link Network Assistant Utility

- 1. Connect a workstation installed with java SE runtime environment to any switch port of the device
- 2. Execute D-Link Network Assistant Utility

Ι	D.	-Link N	letwork Assista	nt									
		•	Common A	dvanced									
		2			SN)e	- Q	Le	C				
	D	evice	Change	Time	SNMP	Firmware Bac	kup or	Reboot	Reset				
	36	ettings	Password	settings		opgrade Ke	store						
	Devi	ice List	Alarms(1)										
	D	evice	List						📿 Refi	resh 3	Search		٩
		Status	Model Name	Product Type	Device Name	MAC	IPv4	IPv6	Device Time	Interfac	e FW Version	HW Version	Serial Numl
		•	DXS-1210-127	C Switch	Switch	04:05:02:03:04:01	10.90.90.90		20141201031811	Port 4	V1.00.026	A1	QBDGS1210
	_												
	۰ 📄												•



3. Click Refresh button to search target switch

D	D-Link N	etwork Assistant	-	-	-	-							
	- (Common Adv	anced										
		20		SN	<u>e</u>	÷	Le	0	3				
	Device Settings	Change Password	Time Settings	SNMP	Firmware Bac Upgrade Re	kup or store	Reboot	Re	set				
De	evice List	Alarms(1)							~				
	Device	List							Ø Refr	resh S	earch		٩
	Status	Model Name	Product Type	Device Name	MAC	IPv4	IPv6	Device T	ime	Interface	e FW Version	HW Version	Serial Numl
		DXS-1210-12TC	Switch	Switch	04:05:02:03:04:01	10.90.90.90		2014120	1031811	Port 4	V1.00.026	A1	QBDGS1210
4													•

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

D-Link N	letwork Assistan	t									
	Common Ac	lvanced									
	2	\mathbf{Q}	SN	B	÷	L _C	C				
Device Settings	Change Password	Time Settings	SNMP	Firmware Bae Upgrade R	ckup or estore	Reboot	Reset				
Device List	Alarms(1)										
Device	List						🗭 Re	fresh Se	earch		٩
✓ Status	Model Name	Product Type	Device Name	MAC	IPv4	IPv6	Device Time	Interface	FW Version	HW Version	Serial Numl
	DXS-1210-12T	C Switch	Switch	04:05:02:03:04:01	10.90.90.90	2	20141201032011	Port 4	V1.00.026	A1	QBDGS1210
				m							Þ





Click Firmware Upgrade button 5.

D-Link No	etwork Assistant										
	Common Adv	vanced									
Device Settings	Change Password	Time Settings	SNMP	Firmware Upgrade Re	kup or store	Reboot	Reset				
Device List	Alarms(1)										
Device	List						🗭 Refr	resh <i>Se</i>	arch		٩,
✓ Status	Model Name	Product Type	Device Name	MAC	IPv4	IPv6	Device Time	Interface	FW Version	HW Version	Serial Numl
	DXS-1210-12TC	Switch	Switch	04:05:02:03:04:01	10.90.90.90		20141201032011	Port 4	V1.00.026	A1	QBDGS1210
•											+

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

Firmware Upgra	de Confirm Summary
FTP IP	10.90.90.99
pgrade Selection	● Use one firmware file for all devices
	C:\Users\ZYJ\Desktop\tftp32\DXS-1210-12TC-V1-00-026-ALL.hex Browse
	Next



7. Select "I understand the risks" and click "Submit" button to start firmware upgrade. Both the username and password are **unnecessary**.

TFTP IP 10.90.90.99 Firmware File C\Users\ZYJ\Desktop\tftp32\DXS-1210-12TC-V1-00-026-ALL.hex Apply to All Devices IsSupported Model Name MAC IP Address Serial Number IsSupported Model Name MAC IP Address Serial Number Yes DXS-1210-12TC 04:05:02:03:04:01 10.90.90.90 QBDGS12102800 Notification Warning: Do not disconnect the network, close this program, or power cycle the devices during upgrade processe; unrecoverable damage to the devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices may result. Please note that during the upgrade process, your devices during upgrade processes unrecoverable damage to the devices during upgrade processes unrecoverable damage to the devices during upgrade processes your devices during upgrade processes	Firmware (Jpgrade			2 Confirm Summary
Apply to All Devices IsSupported Model Name MAC IP Address Serial Number Yes DXS-1210-12TC 04:05:02:03:04:01 10.90.90.90 QBDGS12102800 Notification	TFTP IP	10.90.90.99	Firmware Fi	le C:\Users\ZYJ	l\Desktop\tftp32\DXS-1210-12TC-V1-00-026-ALL.hex
IsSupported Model Name MAC IP Address Serial Number Yes DXS-1210-12TC 04:05:02:03:04:01 10:90.90.90 QBDGS12102800 Notification	Apply to a	All Devices			
res DXS-1210-12TC 04:05:02:03:04:01 10.90.90.90 QBDGS12102800 Notification Warning: Do not disconnect the network, close this program, or power cycle the devices during upgrade processes; unrecoverable damage to the devices may result. Please note that during the upgrade process, your devices may reboot. Authentication WIL understand the risks Password Password	sSupported	Model Name	MAC	IP Address	Serial Number
Notification Authentication Warning: Do not disconnect the network, close this program, or power cycle the devices during upgrade processes; unrecoverable damage to the devices may result. Please note that during the upgrade process, your devices may reboot. User Name Image: Interview of the result. User Name Password Image: Interview of the result. Password Password	'es	DXS-1210-12TC	04:05:02:03:04:01	10.90.90.90	QBDGS12102800
Warning: Do not disconnect the network, close this program, or power User Name cycle the devices during upgrade processe; unrecoverable damage to the devices may result. Please note that during the upgrade process, your devices may reboot. Password					
Password Password	Notification				Authentication
	Notification Warning: I cycle the c devices m devices m	Do not disconnect the Jevices during upgrade ay result. Please note t ay rebot.	network, close this proc 9 processes; unrecovera hat during the upgrade	gram, or power ble damage to th process, your	Authentication User Name User Name

8. Once the message changed to success, click "Close" button to complete and exit the

firmware upgrade

Firmware Upgrade 2 Confirm Summary						
Resul	t				Search	هر
esult	Model Name	MAC	IP Address	Details		
	DXS-1210-12TC	04:05:02:03:04:01	10.90.90.90	Command has been succesfull	y executed	



New Features:

Note: each model needs to use dedicated firmware image.

Models	Firmware Version	New Features
DXS-1210-12TC DXS-1210-12SC DXS-1210-10TS	V1.10.012	 Voice VLAN Auto Surveillance VLAN Default Route Static Route 802.1X ERPS Guest VLAN RADIUS
DXS-1210-12TC	V1.00.035	
DXS-1210-12SC	V1.00.024	First release, please refer to the datasheet and manual for detailed functions support information.
DXS-1210-10TS	V1.00.021	

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 <u>http://tsd.dlink.com.tw</u>. For detailed changes of MIB content, please refer to the modification history in each MIB file.

Models	Firmware Version	MIB File	New Features				
DXS-1210-12TC		DXS-1210-12TC-AX- V1.10.012.mib	 Voice VLAN Auto Surveillance VLAN Default Bauta 				
DXS-1210-12SC	V1.10.012	DXS-1210-12SC-AX- V1.10.012.mib	 Default Route Static Route 802.1X 				
DXS-1210-10TS		DXS-1210-10TS-AX- V1.10.012.mib	 6. ERPS 7. Guest VLAN 8. RADIUS 				
DXS-1210-12TC	V1.00.035						
DXS-1210-12SC	V1.00.024	First release, please refer to the dat support information.	tasheet and manual for detailed MI				
DXS-1210-10TS	V1.00.021						



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.

Models	Firmware Version	Changes
DXS-1210-12TC DXS-1210-12SC DXS-1210-10TS	V1.10.012	No command line change
DXS-1210-12TC	V1.00.035	
DXS-1210-12SC	V1.00.024	First Release
DXS-1210-10TS	V1.00.021	

Problem Fixed:

D-Link

Models	Firmware Version	Problems Fixed	
DXS-1210-12TC DXS-1210-12SC DXS-1210-10TS	V1.10.012	 Fixed the issue when user configured and saved the gateway IP address, the "Gateway" information in "Device Information" page will display 0.0.0 after rebooting the switch. Actually, the gateway IP address were saved but failed to display it on Web GUI. (DEUR20150622000004, DRU20150716000002) Fixed the issue that the DHCP Option 12 data was not carried in DHCP request packet, the switch's host name will disappear when renewing the lease time. (DUSA20150627000002) Fixed the issue that DXS-1210 cannot establish the LACP with Windows Server (64 bits) 2012 R2 version. (DEUR20150819000004) 	
DXS-1210-12TC	V1.00.035	First Release	
DXS-1210-12SC	V1.00.024		
DXS-1210-10TS	V1.00.021		

Known Issues:

Models	Firmware Version	Issues	Workaround
DXS-1210-12TC DXS-1210-12SC DXS-1210-10TS	V1.10.012	None	None
DXS-1210-12TC	V1.00.035	When connecting a PC with a port which belongs to a Link	None



DXS-1210 Series Firmware Release Notes

DXS-1210-12SC	V1.00.024	Aggregation Group (LAGP), the PC is able to forward packets but cannot access the switch via Web GUI or Telnet.	
DXS-1210-10TS	V1.00.021		
DXS-1210-12TC	V1.00.035	The switch will not clear the IPv6 neighbor cache when neighbor is disconnected for a while	 The cache will be expired after 1000 minutes currently. User may delete the entry by 1. manually click 'Clear All' button in ' IPv6 Neighbor' function page to clear all dynamically learned entries. 2. Click dedicated 'delete' button in the entries table to remove specific static entry. The next release will change the expire time to 10 minutes.
DXS-1210-12TC	V1.00.035	The 'Privilege' setting in 'User Accounts Settings' page only works for CLI commands but not for Web GUI functions.	The next firmware release will also support for Web GUI functions.
DXS-1210-12SC	V1.00.024		
DXS-1210-10TS	V1.00.021		

Related Documentation:

D-Link

- DXS-1210 Series A1 User Manual v1.10
- DXS-1210 Series Getting Started Guide v4.00

