



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, 2015	

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, 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
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		DXS-1210-10TS	A1

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 **unnecessary**.

To upgrade the switch firmware, execute the following command:

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

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

```

Connecting to Server.....Done
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 processing..... Do not power off!!
Upgrade processing..... Done
Firmware upgrade 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:

1. **DXS-1210-12TC> copy 10.90.90.99 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

```

Connecting to Server.....Done
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 processing..... Do not power off!!
Upgrade processing..... Done
Firmware upgrade successfully!
    
```

2. **DXS-1210-12TC> show switch**

Command: show switch

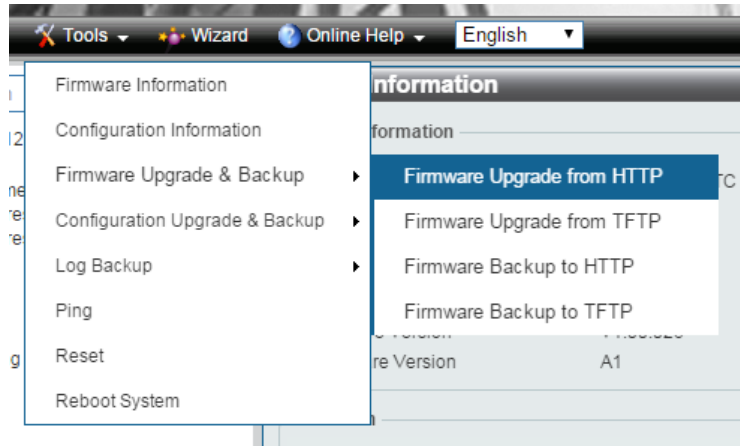
```

System Name           :Switch
System Location       :
System Contact        :
System Time           :01/12/2014 00:56:37
System Hardware Version :A1
System Firmware Version :V1.10.012
System Boot PROM Version :V1.00.004
System Serial Number   :QBDGS12102800
MAC Address           :04-05-02-03-04-01
    
```

Upgrade using Web-UI

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

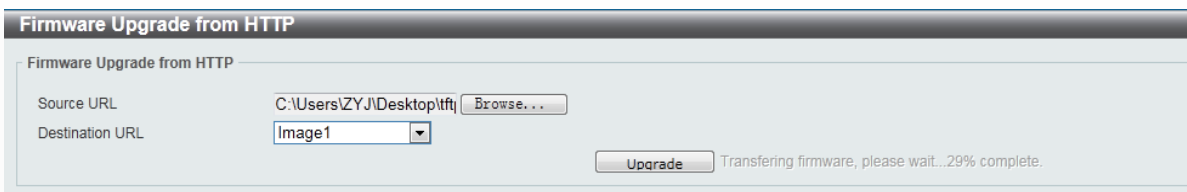
2. Open the web browser from the workstation and enter the IP address of the switch. The switch's default IP address is 10.90.90.90.
3. Press OK to login. Both the username and password are **unnecessary** by default.
4. To update switch's firmware or configuration file, select **Tools > Firmware Upgrade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



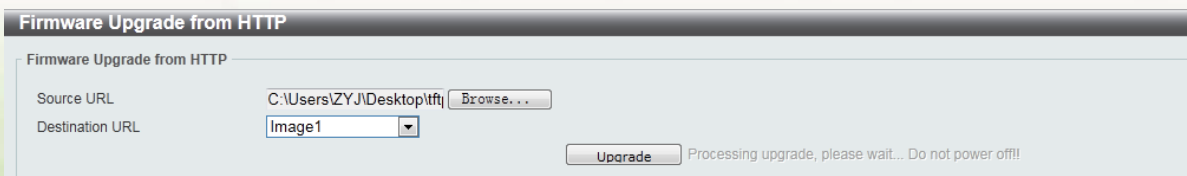
5. Two methods can be selected : **HTTP** or **TFTP**
6. Select **Firmware Upgrade from HTTP** to upgrade the firmware to or from your local drive of PC.



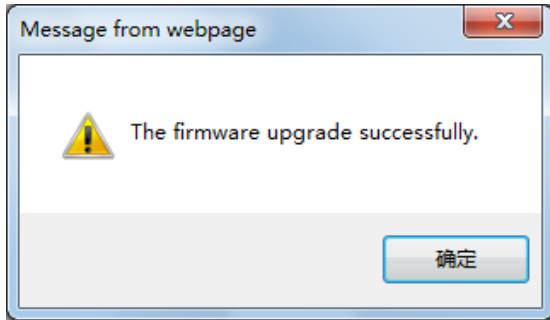
- a. Click **Browse** to browse your inventories for a saved firmware file
- b. Select "Image1" or "Image2" for upgrading image.
- c. Click **Upgrade** after selecting the firmware file you want to restore
- d. The firmware will be downloaded to the switch.



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



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



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 IPv6

Source URL:

Destination URL:

- 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 TFTP

Firmware Upgrade from TFTP

TFTP Server IP: IPv4 IPv6

Source URL:

Destination URL:

Transferring firmware, please wait...13% complete.

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

Firmware Upgrade from TFTP

Firmware Upgrade from TFTP

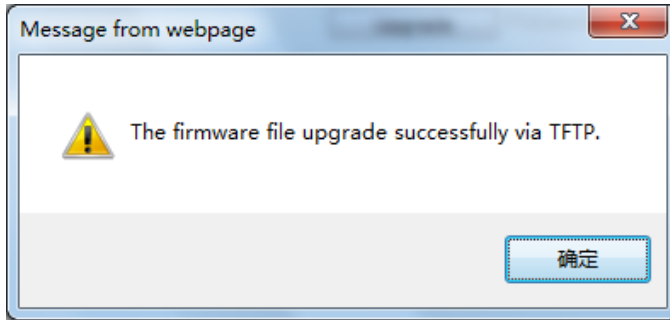
TFTP Server IP: IPv4 IPv6

Source URL:

Destination URL:

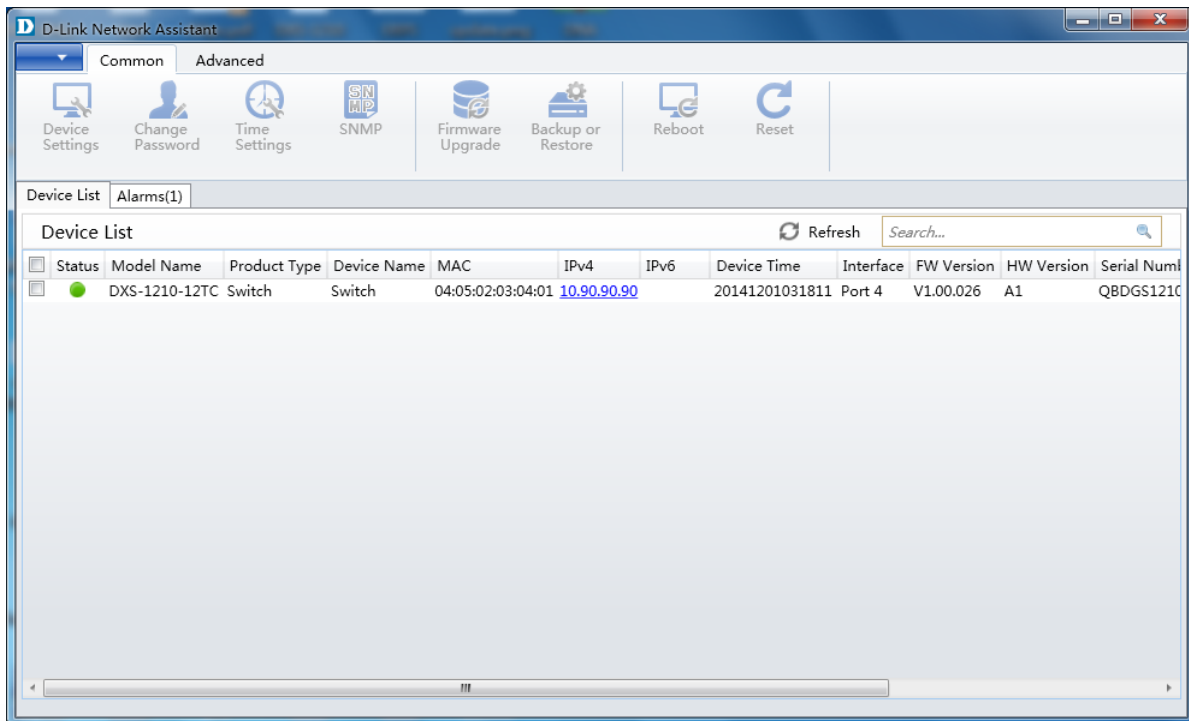
Processing upgrade, please wait... Do not power off!!

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

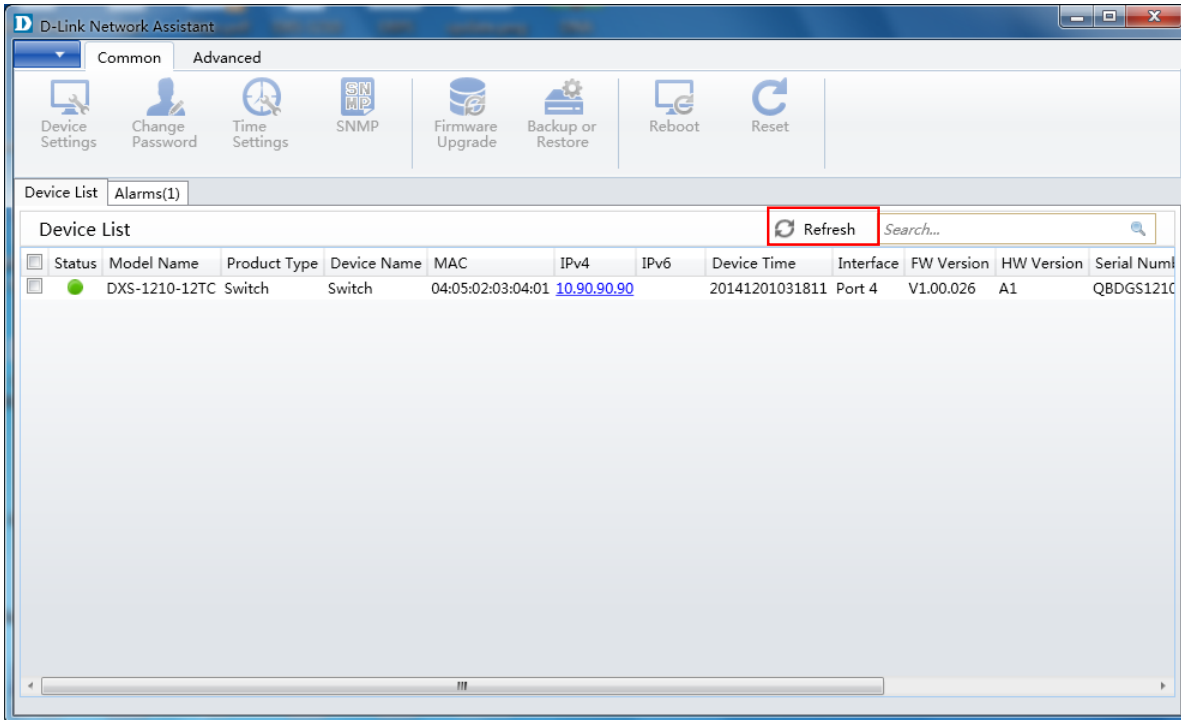


Upgrade using D-Link Network Assistant Utility

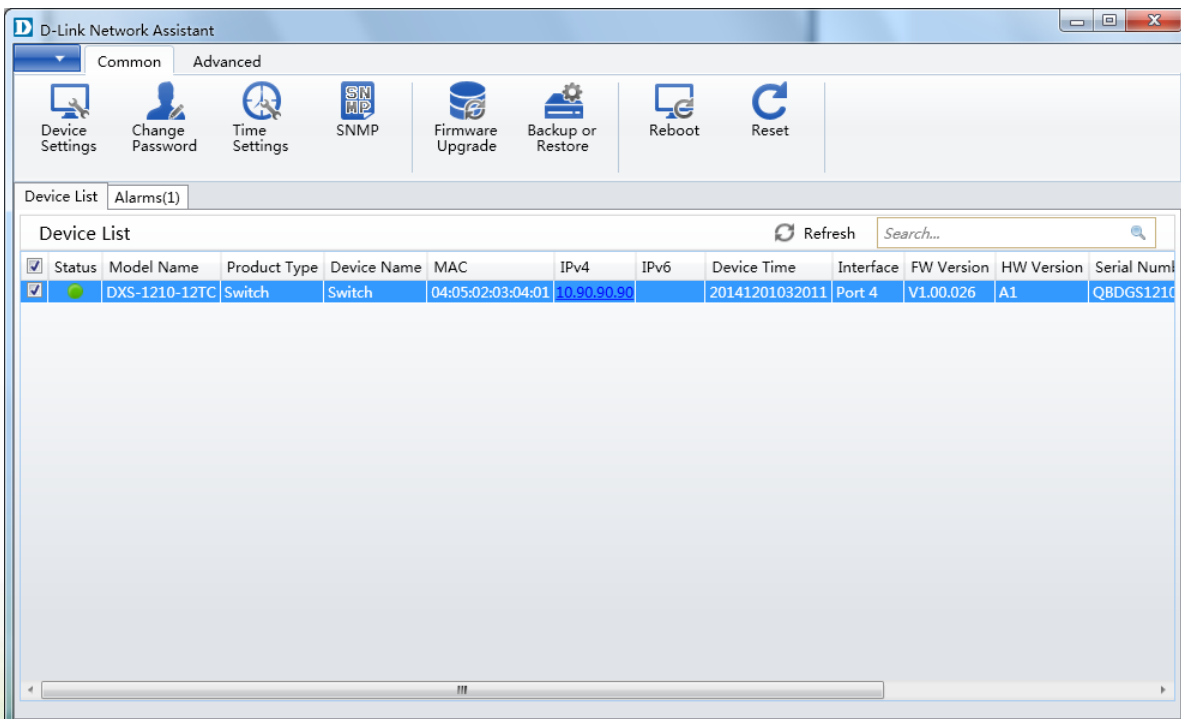
1. Connect a workstation installed with java SE runtime environment to any switch port of the device
2. Execute D-Link Network Assistant Utility



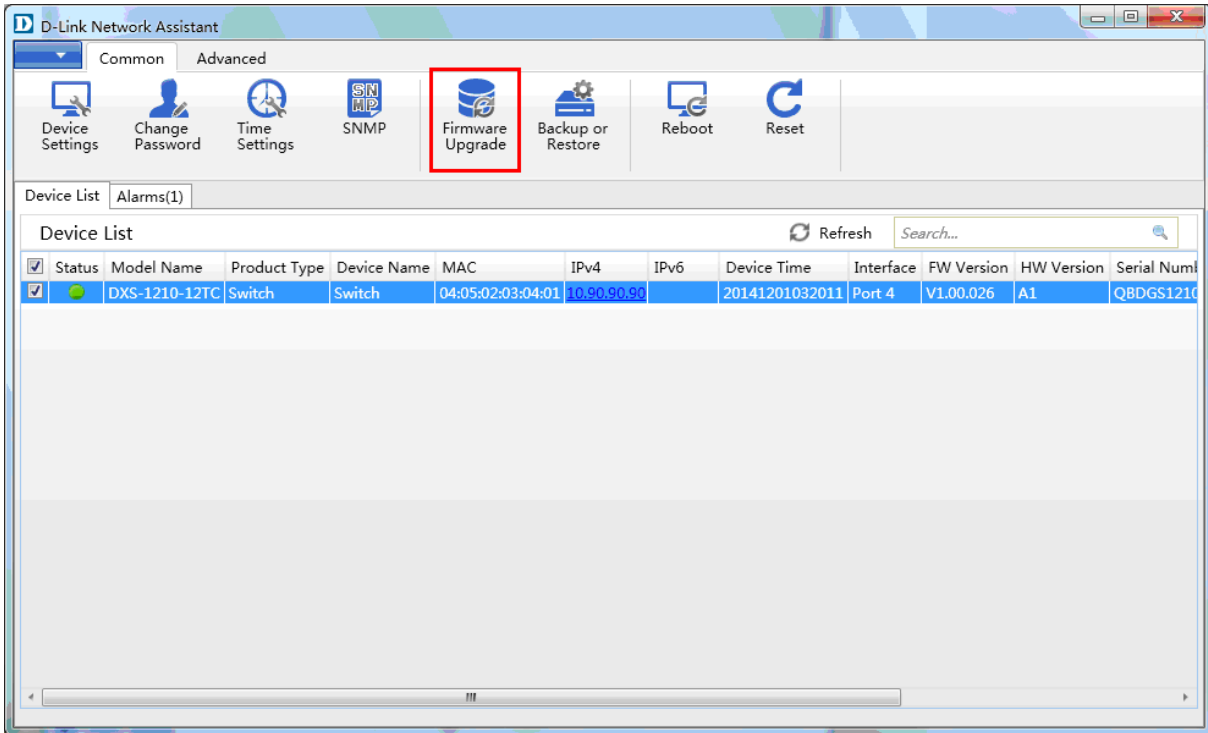
3. Click Refresh button to search target switch



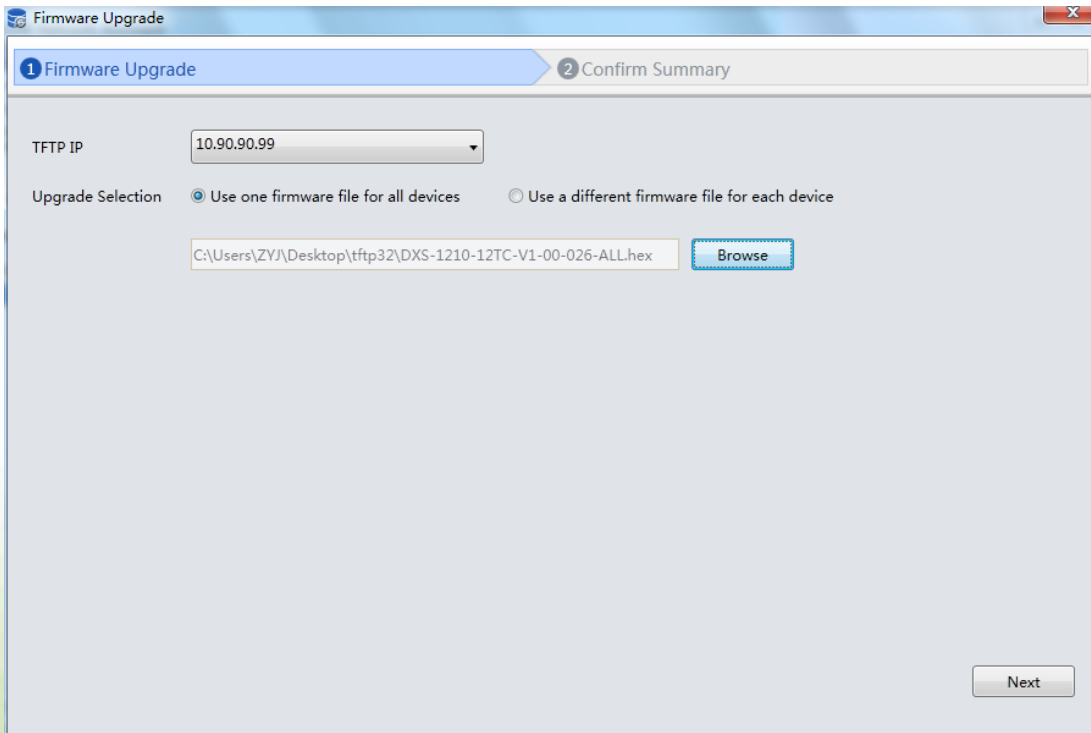
4. Single click the icon of the column to choose the target switch



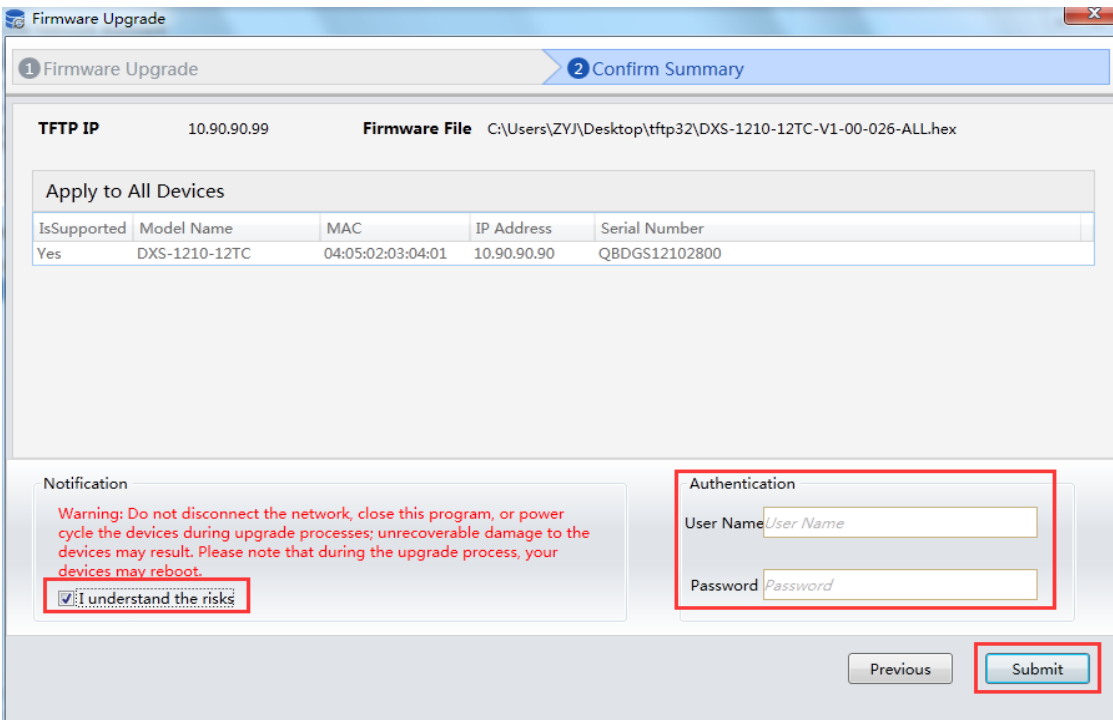
5. Click Firmware Upgrade button



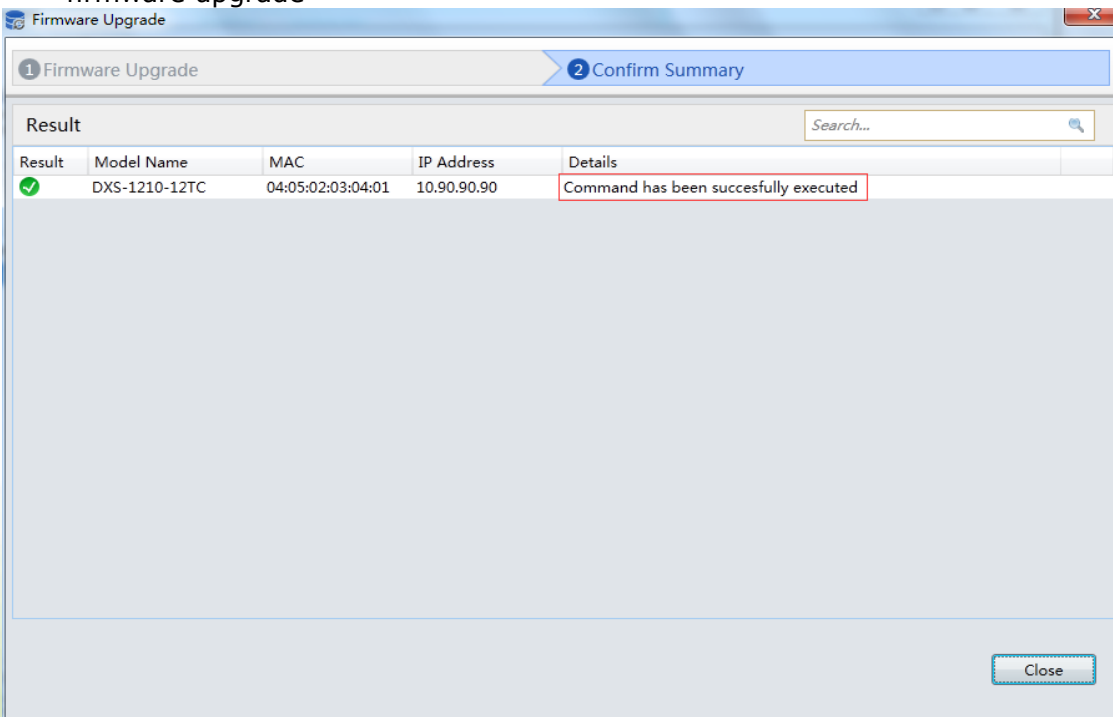
6. Click Browse button and select the firmware file (Model name_HW ver._FW ver. .hex) on your local hard drive.



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



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



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	<ol style="list-style-type: none"> 1. Voice VLAN 2. Auto Surveillance VLAN 3. Default Route 4. Static Route 5. 802.1X 6. ERPS 7. Guest VLAN 8. RADIUS
DXS-1210-12TC	V1.00.035	First release, please refer to the datasheet and manual for detailed functions support information.
DXS-1210-12SC	V1.00.024	
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 <http://tsd.dlink.com.tw>. 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	V1.10.012	DXS-1210-12TC-AX-V1.10.012.mib	<ol style="list-style-type: none"> 1. Voice VLAN 2. Auto Surveillance VLAN 3. Default Route 4. Static Route 5. 802.1X 6. ERPS 7. Guest VLAN 8. RADIUS
DXS-1210-12SC		DXS-1210-12SC-AX-V1.10.012.mib	
DXS-1210-10TS		DXS-1210-10TS-AX-V1.10.012.mib	
DXS-1210-12TC	V1.00.035	First release, please refer to the datasheet and manual for detailed MIB support information.	
DXS-1210-12SC	V1.00.024		
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	First Release
DXS-1210-12SC	V1.00.024	
DXS-1210-10TS	V1.00.021	

Problem Fixed:

Models	Firmware Version	Problems Fixed
DXS-1210-12TC DXS-1210-12SC DXS-1210-10TS	V1.10.012	<ol style="list-style-type: none"> Fixed the issue when user configured and saved the gateway IP address, the "Gateway" information in "Device Information" page will display 0.0.0.0 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-1210-12SC	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:

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