



**Firmware Version:** 2.51.B007  
**Boot Code Version:** 1.00.015  
**MIB Version:** 2.50.005  
**D-View Module Version:** 1.0.0.7  
**Published:** Aug. 26, 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 [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: v2.51.B007<br>Boot: 1.00.015 | 26- Aug.-14  | DGS-1500-52 | A1, A2           |
| Runtime: v2.51.B006<br>Boot: 1.00.015 | 21- July.-14 | DGS-1500-52 | A2               |
| Runtime: v2.51.005<br>Boot: 1.00.015  | 26-May.-14   | DGS-1500-52 | A2               |
| Runtime: v2.51.B002<br>Boot: 1.00.013 | 22-Apr.-14   | DGS-1500-52 | A1               |
| Runtime: v2.50.B009<br>Boot: 1.00.013 | 14-Feb.-14   | DGS-1500-52 | A1               |
| Runtime: v2.50.008<br>Boot: 1.00.013  | 31-Dec.-13   | DGS-1500-52 | A1               |
| Runtime: v2.50.B004<br>Boot: 1.00.013 | 13-Dec.-13   | DGS-1500-52 | A1               |
| Runtime: v2.50.003<br>Boot: 1.00.013  | 09-Dec.-13   | DGS-1500-52 | A1               |
| Runtime: v2.50.B002<br>Boot: 1.00.013 | 09-Dec.-13   | DGS-1500-52 | A1               |
| Runtime: v2.50.B001<br>Boot: 1.00.013 | 22-Nov.-13   | DGS-1500-52 | A1               |
| Runtime: v2.10.B020<br>Boot: 1.00.013 | 01-Nov.-13   | DGS-1500-52 | A1               |
| Runtime: v2.10.B019<br>Boot: 1.00.013 | 20-Aug.-13   | DGS-1500-52 | A1               |
| Runtime: v2.10.002<br>Boot: 1.00.013  | 08-Nov.-12   | DGS-1500-52 | A1               |
| Runtime: v2.00.015<br>Boot: 1.00.013  | 15-June-12   | DGS-1500-52 | A1               |
| Runtime: v1.10.005<br>Boot: 1.00.011  | 15-Mar.-12   | DGS-1500-52 | A1               |
| Runtime: v1.10.001<br>Boot: 1.00.011  | 12-Jan.-12   | DGS-1500-52 | A1               |

|                                      |            |             |    |
|--------------------------------------|------------|-------------|----|
| Runtime: v1.00.015<br>Boot: 1.00.010 | 25-Aug.-11 | DGS-1500-52 | A1 |
| Runtime: v1.00.013<br>Boot: 1.00.009 | 4-July.-11 | DGS-1500-52 | A1 |

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## 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<br>tftp://ip-address/filename   cfg_fromTFTP<br>tftp://ip-address/filename} | Download firmware file from the TFTP server to the switch. |

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 firmware version and switch's information.

| Command     | Function                                                      |
|-------------|---------------------------------------------------------------|
| show switch | Display the information of current firmware and boot version. |

### Example:

1. **DGS-1500-52:**  
Command: download firmware\_fromTFTP tftp://10.90.90.91 DGS-1500-52\_A1\_1\_00\_013.hex  
Device will reboot after firmware upgraded successfully  
Image upgraded successfully
2. **DGS-1500-52:**  
Command: show switch  
DGS-1500-52> show switch  
System name :  
System Contact :  
System Location :

```

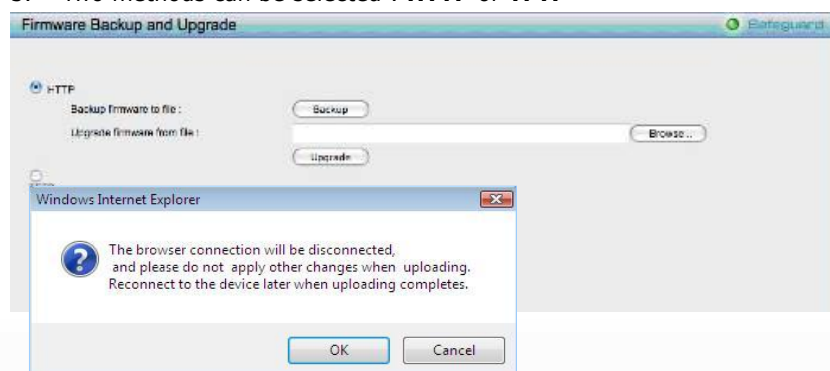
System up time           : 0 days, 1 hrs, 8 min, 36 secs
System Time              : 11/08/2012 01:58:42
System hardware version  : A1
System firmware version  : 2.10.002
System boot version      : 1.00.013
System Protocol version  : 2.001.004
System serial number     : LABDGS1252008
MAC Address              : 00-12-52-00-08-00
    
```

## Upgrade using Web-UI

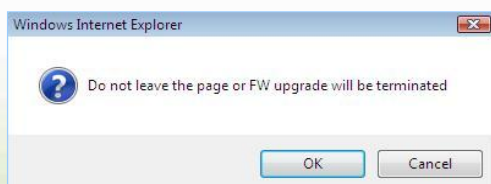
1. Connect a workstation installed with java SE runtime environment to any switch port of the device.
2. Open the web browser from the workstation and enter the IP address of the switch. The switch's default IP address is 10.90.90.90.
3. Enter administrator's password when prompted. The password is **admin** 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**



- 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.





7. Click OK to continue with firmware upgrade from a remote TFTP server.  
 8. Click OK to continue with firmware upgrade from the TFTP server file you want to restore

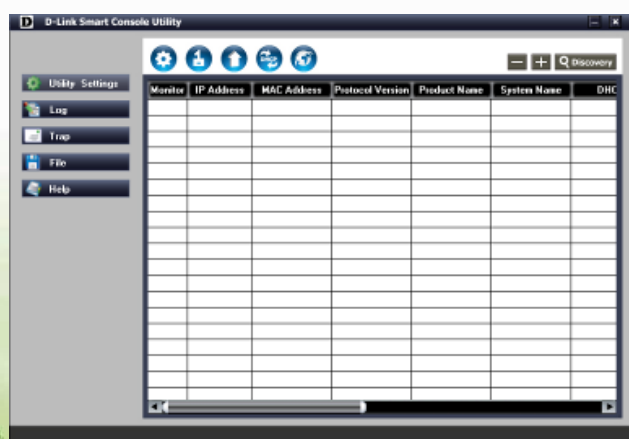


- d. Wait until the firmware upgrade ends and login again after device boots up.

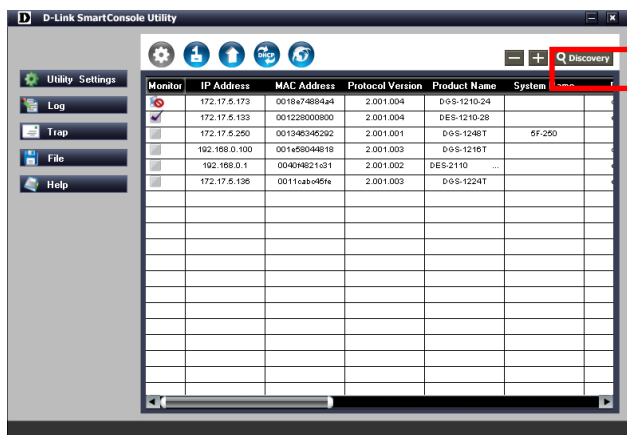


## Upgrade using SmartConsole Utility

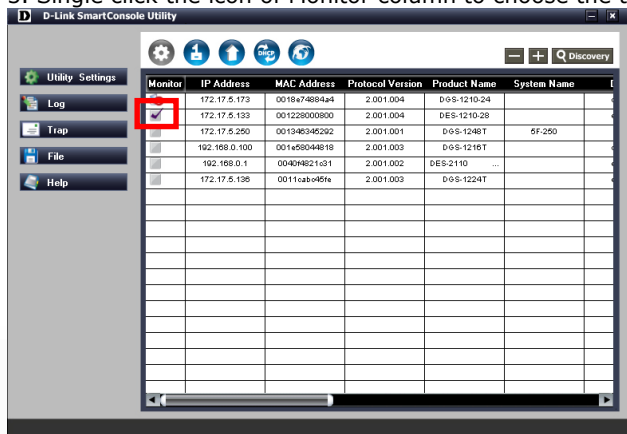
1. Connect a workstation installed with java SE runtime environment to any switch port of the device
2. Execute SmartConsole Utility



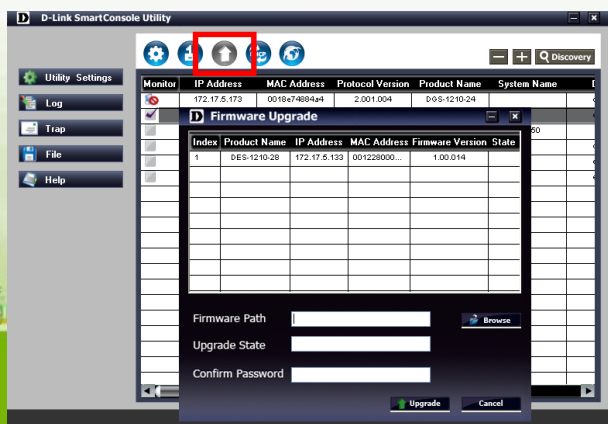
3. Click Discovery button to search target switch



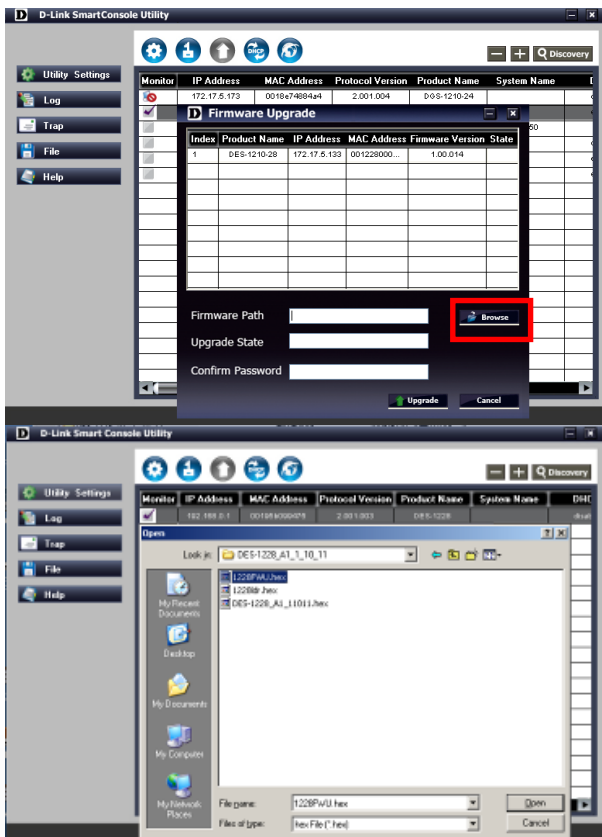
3. Single click the icon of Monitor column to choose the target switch



4. Click Firmware Upgrade button



5. Click Browse button and select the firmware file (Model name\_HW ver.\_FW ver. .hex) on your local hard drive.



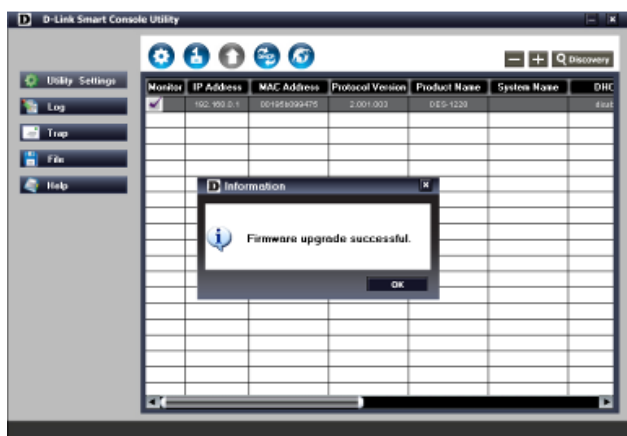
6. Enter password and click "Upgrade" button to start firmware upgrade. The default password is

“admin”.

The Firmware Upgrade dialog box contains the following fields and buttons:

- Device Information:**
  - Device IP: 192.168.0.1
  - Device Mac: 00195b099475
- Upgrade Setting:**
  - Firmware Path: I:\DES-1228\_A1\_1\_10\_1\ [Browse]
- Upgrade State:** (Empty progress bar)
- Confirm Password:** \*\*\*\*\* (Red box highlights this field)
- Buttons:** Upgrade (Green arrow icon, red box highlights this button), Cancel

7. Once the message popped up, click “OK” button to complete the firmware upgrade



## New Features:

| Firmware Version | New Features |
|------------------|--------------|
| V2.51.B007       | N/A          |
| V2.51.B006       | N/A          |
| V2.51.005        | N/A          |



|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| V2.51.B002 | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| V2.50.B009 | 1. Add New default MAC (B0C5540 ~ B0C5547) for ASV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| V2.50.008  | 1. Enhance Zone Defense to 1.07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| V2.50.B004 | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| V2.50.003  | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| V2.50.B002 | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| V2.50.B001 | <ol style="list-style-type: none"> <li>1. DDP per port enabled/disabled via Web page.</li> <li>2. DDP configuration via Web page.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| V2.10.B020 | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| V2.10.B019 | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| V2.10.002  | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| V2.00.015  | <ol style="list-style-type: none"> <li>1. Add IPv6 Function include Ipv6 interface, Ipv6 Neighbor, Ipv6 Static Route, Ipv6 SNTP, Ipv6 Traffic Class, Ipv6 Telnet, Ipv6 SSL, Ipv6 Radius Server, Ipv6 ACL, Ipv6 SNMP, Ipv6 Trust Host, Ipv6 DHCP Server Screen and Ipv6 System log.</li> <li>2. Change LBD and STP enable limitation from per-System to per-port.</li> <li>3. LBD spec support D-Link LBD 4.04, when enable LBD interface loop to disable.</li> <li>4. Add STP function to support MSTP Function.</li> <li>5. Add Forward BPDU function in STP settings page.</li> <li>6. Add Ipv4/Ipv6 SSH Function.</li> <li>7. Modify EEE Settings from per-System to per-Port settings.</li> <li>8. Add ToS Priority Function.</li> <li>9. Add QoS support TCP/UDP Priority.</li> <li>10. Add Smart Binding Function.</li> <li>11. Single IP Management support IPv6 address to connect client Web UI.</li> </ol> |

|           |               |
|-----------|---------------|
| V1.10.001 | NA            |
| V1.00.015 | NA            |
| V1.00.013 | First Release |

## 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                                                                                                                                                                                                                             |
|------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| V2.51.B007       | ZoneDefense.mib<br>DGS-1500-52_AX_2_50_002.mib | N/A                                                                                                                                                                                                                                      |
| V2.51.B006       | ZoneDefense.mib<br>DGS-1500-52_AX_2_50_002.mib | N/A                                                                                                                                                                                                                                      |
| V2.51.005        | ZoneDefense.mib<br>DGS-1500-52_AX_2_50_002.mib | N/A                                                                                                                                                                                                                                      |
| V2.51.B002       | ZoneDefense.mib<br>DGS-1500-52_AX_2_50_002.mib | N/A                                                                                                                                                                                                                                      |
| V2.50.B009       | ZoneDefense.mib<br>DGS-1500-52_AX_2_50_002.mib | N/A                                                                                                                                                                                                                                      |
| V2.50.008        | ZoneDefense.mib<br>DGS-1500-52_AX_2_50_002.mib | 1. Enhance Zone Defense MIB to 1.07<br>2. Add object "aclL2RulePriority",<br>"aclL2RuleReplacePriority",<br>"aclL3RulePriority",<br>"aclL3RuleReplacePriority",<br>"aclv6L3RulePriority"<br>and "aclv6L3RuleReplacePriority" for<br>ACL. |
| V2.50.B004       | DGS-1500-52_AX_2_50_001.mib                    | N/A                                                                                                                                                                                                                                      |
| V2.50.003        | DGS-1500-52_AX_2_50_001.mib                    | N/A                                                                                                                                                                                                                                      |

|            |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| V2.50.B002 | DGS-1500-52_AX_2_00_008.mib                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| V2.50.B001 | DGS-1500-52_AX_2_00_008.mib                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| V2.10.B020 | DGS-1500-52_AX_2_00_008.mib                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| V2.10.B019 | DGS-1500-52_AX_2_00_008.mib                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| V2.10.002  | 1. ZoneDefense.mib<br>2. DGS-1500-52_AX_2_00_008.mib | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| V2.00.015  | 1. ZoneDefense.mib<br>2. DGS-1500-52_AX_2_00_008.mib | <ol style="list-style-type: none"> <li>1. Add IPv6 Function include Ipv6 interface, Ipv6 Neighbor, Ipv6 Static Route, Ipv6 SNTP, Ipv6 Traffic Class, Ipv6 Telnet, Ipv6 SSL, Ipv6 Radius Server, Ipv6 ACL, Ipv6 SNMP, Ipv6 Trust Host, Ipv6 DHCP Server Screen and Ipv6 System log.</li> <li>2. Change LBD and STP enable limitation from per-System to per-port.</li> <li>3. LBD spec support D-Link LBD 4.04, when enable LBD interface loop to disable.</li> <li>4. Add STP function to support MSTP Function.</li> <li>5. Add Forward BPDU function in STP settings page.</li> <li>6. Add Ipv4/Ipv6 SSH Function.</li> <li>7. Modify EEE Settings from per-System to per-Port settings.</li> <li>8. Add ToS Priority Function.</li> <li>9. Add QoS support TCP/UDP Priority.</li> <li>10. Add Smart Binding Function.</li> <li>11. Support Zone Defense MIB settings to deny all ports ingress IP address. (Only support IPv4 address deny settings)</li> </ol> |

|           |                             |               |
|-----------|-----------------------------|---------------|
| V1.10.005 | DGS-1500-52_A1_1_00_008.mib | NA            |
| V1.10.001 | DGS-1500-52_A1_1_00_008.mib | NA            |
| V1.00.015 | DGS-1500-52_A1_1_00_008.mib | NA            |
| V1.00.013 | DGS-1500-52_A1_1_00_008.mib | First Release |

| Firmware Version | D-View Module File                       | New Features |
|------------------|------------------------------------------|--------------|
| V2.51.B007       | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.51.B006       | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.51.005        | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.51.B002       | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.50.B009       | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.50.008        | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.50.B004       | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.50.003        | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |
| V2.50.B002       | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA           |

|            |                                          |               |
|------------|------------------------------------------|---------------|
| V2.50.B001 | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V2.10.B020 | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V2.10.B019 | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V2.10.002  | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V2.00.015  | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V1.10.005  | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V1.10.001  | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V1.00.015  | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.exe | NA            |
| V1.00.013  | DV_DGS-1500-52_V1.0.0.7_FW_V1.00.013.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.

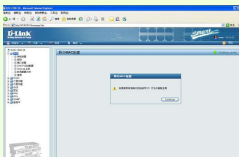
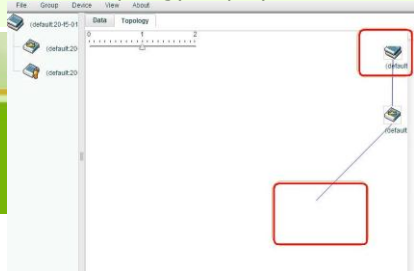
| Firmware Version | Changes |
|------------------|---------|
| V2.51.B007       | NA      |
| V2.51.B006       | NA      |
| V2.51.005        | NA      |
| V2.51.B002       | NA      |

|            |               |
|------------|---------------|
| V2.50.B009 | NA            |
| V2.50.008  | NA            |
| V2.50.B004 | NA            |
| V2.50.003  | NA            |
| V2.50.B002 | NA            |
| V2.50.B001 | NA            |
| V2.10.B020 | NA            |
| V2.10.B019 | NA            |
| V2.10.002  | NA            |
| V2.00.015  | NA            |
| V1.10.005  | NA            |
| V1.10.001  | NA            |
| V1.00.015  | NA            |
| V1.00.013  | First Release |

## Problem Fixed:

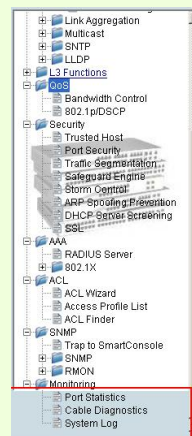
| Firmware Version | Problems Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| V2.51.B007       | <p><b>1. Security Vulnerabilities Addressed:</b> OpenSSL 0.9.8x does not properly restrict processing of ChangeCipherSpec messages, which allows man-in-the-middle attackers to trigger use of a zero-length master key in certain OpenSSL-to-OpenSSL communications, and consequently hijack sessions or obtain sensitive information, via a crafted TLS handshake, aka the "CCS Injection" vulnerability.</p> <p><b>Reference:</b> CVE-2014-0224<br/> <a href="http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-0224">http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-0224</a><br/> <a href="https://www.openssl.org/news/secadv_20140605.txt">https://www.openssl.org/news/secadv_20140605.txt</a></p> <p><b>Solution:</b> Updated code to fix vulnerability</p> |
| V2.51.B006       | <p>1. [Reboot alone after vlan + ip interface configuration[DEUR20140612000006-South Europe]]</p> <p>2. [DRU20140704000004-Russia]DGS-1500 issue with OSPF packets tagging.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| V2.51.005        | <p>1. [DEUR20140429000003-Eastern Europe] RFC3580 radius attribute mismatch.</p> <p>2. [DRU20140512000003-Russia] DGS-1500-20 issue with device reboot.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| V2.51.B002 | <ol style="list-style-type: none"> <li>1. [DRU20140326000004-Russia]DGS-1500 issue with ARP Flood.</li> <li>2. [DEUR20140320000006-Central Europe]DGS-1500-28 the network traffic will slow down and later no more traffic is possible.</li> <li>3. [DI20140305000005-India]For DGS-1500-28 Not able to create ip interface with subnet mask /30.</li> </ol>                                                                                                                                                                                                                                                                                                                          |
| V2.50.B009 | <ol style="list-style-type: none"> <li>1. [DI20140205000006-Japan]Fixed system up time issue.</li> <li>2. [DRU20140120000004]DES-1210-28 issue with ACL.</li> <li>3. Modify ASV MAX OUI number to 10.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| V2.50.008  | <ol style="list-style-type: none"> <li>1. Enhance DDP to 0.24</li> <li>2. ACL and QOS page modify.</li> <li>3. [DRU20131101000002-Russia]Fix telnet issue that DUT with reboot during telnet session.</li> <li>4. [DI20131031000001-Japan]DGS-1210 does send frames of loopdetect.</li> <li>5. [DGC20131016000004-Taiwan]DGS-1210-52 with recovery system issue.</li> <li>6. HQ20130402000005 [DRU20130401000001-Russia]: DGS-1500 series support enhance route.</li> </ol>                                                                                                                                                                                                           |
| V2.50.B004 | 1. HQ20131128000015 [DEUR20131118000008-North Europe] Fixed Time profile could be over night.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| V2.50.003  | <ol style="list-style-type: none"> <li>1. Enhance DDP to 0.24</li> <li>2. ACL and QOS page modify.</li> <li>3. [DRU20131101000002-Russia]Fix telnet issue that DUT with reboot during telnet session.</li> <li>4. [DI20131031000001-Japan]DGS-1210 does send frames of loopdetect.</li> <li>5. [DGC20131016000004-Taiwan]DGS-1210-52 with recovery system issue.</li> <li>6. HQ20130402000005 [DRU20130401000001-Russia]: DGS-1500 series support enhance route.</li> </ol>                                                                                                                                                                                                           |
| V2.50.B002 | HQ20131128000015 [DEUR20131118000008-North Europe] Fixed Time profile could be over night.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| V2.50.B001 | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| V2.10.B020 | <ol style="list-style-type: none"> <li>1. [ Support Request ] Fix Ping / Login Failure issue in SmartSW series.<br/>Note: After confirm with D-LINK Shan,<br/>this issue can not find out the correct D-track no.<br/>and will keep asking the result for the latest firmware.</li> <li>2. [DEUR20131008000003-Central Europe] Fixed not able to set STP external cost on Port 9&amp;10 in LAG</li> <li>3. [DI20130913000003-Japan] Customer has a question about SNMP v1 trap about Enterprise OID and agent-Address.</li> <li>4. [DI20131017000001-Japan] SNMP trap overlapping.</li> <li>5. [DI20131023000005-Japan] RSTP switch back will cause network disconnection.</li> </ol> |
| V2.10.B019 | <ol style="list-style-type: none"> <li>1. Fix D-Track [HQ20130723000007][DEUR20130722000012-South Europe] :<br/>- Ping failed issue.</li> <li>2. Fix D-Track [DRU20130812000001-Russia]:<br/>- Static router port cannot update into multicast forwarding table in some case.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                              |
| V2.10.002  | <ol style="list-style-type: none"> <li>1. Fix the bug of JMicon NIC EEE Compatibility test with Marvell Solution.</li> <li>2. Change EEE default config to disabled.</li> <li>3. Fix "IEEE802.3az EEE settings" issue at multi-language.</li> <li>4. Fix "Static MAC" issue at multi-language.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                             |
| V2.00.015  | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| V1.10.005  | <ol style="list-style-type: none"> <li>1. Download switch configuration without authentication.</li> <li>2. Routing Table Finder issue.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | <ol style="list-style-type: none"> <li>Maximum static route (32 entries) warning message issue.</li> <li>Static Route doesn't work on trunk.</li> <li>Fixed a lot of Simplified Chinese wording error.</li> <li>Fixed Hyperlink issue at the DeviceInfo page.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| V1.10.001 | <ol style="list-style-type: none"> <li>Added in additional MAC address range(28107B 000000 ~ 28107B 3FFFFF) for the ASV function</li> <li>Revised Static Route settings:               <ol style="list-style-type: none"> <li>Support Default Route on All interfaces.</li> <li>Members of all interface VLAN will be added as static route rule member, to fix the host which is in the same VLAN with Gateway can not connect to WAN.</li> </ol> </li> <li>Revised Static ARP settings:               <ol style="list-style-type: none"> <li>Add "delete" button on ARP table for user to delete selected ARP entries.</li> <li>Add some information on the ARP table to identify ARP entry (like active/inactive).</li> <li>Support learn Dynamic ARP packets for Route</li> </ol> </li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| V1.00.015 | <ol style="list-style-type: none"> <li>User login DUT with interface two, but Web UI show default interface IP.</li> <li>The" 802.1x Authentication failure" system log cannot forward when 802.1 x clients authorized fail.</li> <li>When the ports that already entered "Port Stand-by" status then waked up by ingress packets, then back to "Port Stand-by" status after 10 minutes idle time, DUT CPU always can't respond to ping command.</li> <li>When we create two VLAN IP interfaces then set one of VLAN groups to ASV VLAN then join control PC MAC to ASV OUI, we find the control PC cannot ping (ARP not ICMP) to the DUT after join to ASV dynamic member a while. The DUT ARP Table display IP interface incorrect.</li> <li>When we enable all ports of the DUT port-based Loopback Detection mode then change to VLAN-Based mode, we find the SFP interfaces of the DUT loopback detection function do not work.</li> <li>We find SIM and 802.1X quick configurations page link error in all multi languages besides English.</li> <li>After save config we find wrong page and message in Chinese.</li> </ol>  <ol style="list-style-type: none"> <li>modify default System Time to 01/01/2011.</li> <li>The drop-down fields of Time Profile 1 and 2 always show "None" instead of correct profile name when the profile name is more than 1 character.</li> <li>First create VLAN2 then add port2 to Tag member and change PVID to 2 then add port3 to tag member, we find port2 PVID will change to 1. (We suggest don't change tag port PVID when untag change to tag and keep it by user manual).</li> <li>First change TX Hold Multiplier to 2 then change TX Interval to 32767, then change TX Hold Multiplier to 3 and TX Interval to 120, we find the message "Invalid Message TX Hold Multiplier."</li> <li>We suggest add "clear" button in LLDP Statistics Table.</li> </ol> <p><b>13.</b>The SIM Topology display error when we move device ICON, please see attach picture.</p>  |



14. Web UI displays abnormally in Firefox 5.0 under Fedora 9



15. In LBD VLAN-based mode, there has no logs about Loop Occurred displayed on the System Log page.

System Log

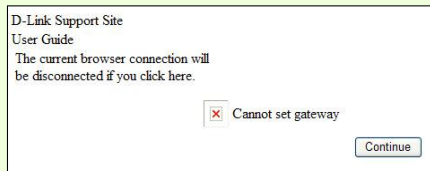
Maximum 512 entries.

Refresh Clear

| ID | Time                | Log Description                                                                          | Severity |
|----|---------------------|------------------------------------------------------------------------------------------|----------|
| 1  | Jan 5 19:47:59 2009 | Port 8 LBD port VID 10 recovered. Loop detection restarted.                              | info     |
| 2  | Jan 5 19:48:59 2009 | Port 8 LBD port VID 10 recovered. Loop detection restarted.                              | info     |
| 3  | Jan 5 19:45:59 2009 | Port 8 link up, 1Gbps FULL duplex                                                        | info     |
| 4  | Jan 5 19:45:46 2009 | Port 8 link down. <i>There should be an entry about Loop occurred, but actually not.</i> | info     |
| 5  | Jan 5 19:45:09 2009 | Port 8 LBD port VID 10 recovered. Loop detection restarted.                              | info     |

16. The configuration to apply Smart Wizard option "Ignore the wizard next time" will be lost after DUT saving and reboot.

17. If apply DUT's IP address as the gateway in Smart Wizard, the web will redirect to the incorrect warning page.



18. The maximum entity of System Log doesn't match the WebUI description.

System Log

Maximum 512 entries.

| ID  | Time                | Log Description                                                 |
|-----|---------------------|-----------------------------------------------------------------|
| 491 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 492 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 493 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 494 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 495 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 496 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 497 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 498 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 499 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |
| 500 | Jan 1 15:21:38 2009 | Port security violation (Port 2, Vid 1, MAC: 00-00-03-00-0D-00) |

19. The behavior that Edge Port of RSTP disconnects and then re-connect to DUT will let DUT to propagate TCN.

20. When DUT receives TCN, the FDB entries of other ports (except the receive port) should flush, but actually not.

|           |                                                                                      |
|-----------|--------------------------------------------------------------------------------------|
|           | <b>21.</b> After save and reboot, the ASV dynamic port member will change to VLAN 1. |
| V1.00.013 | First Release                                                                        |

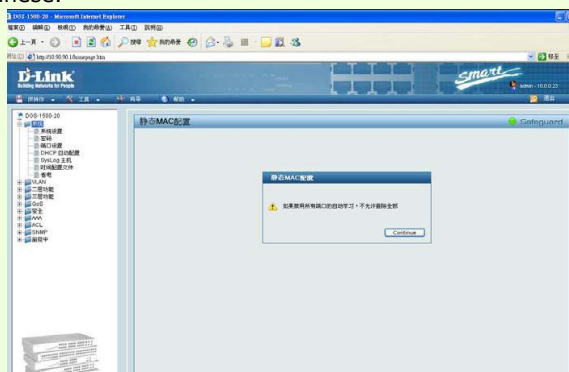
\* D-Link tracking number is enclosed in ()

## Known Issues:

| Firmware Version | Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Workaround |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| V2.51.B007       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.51.B006       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.51.005        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.51.B002       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.50.B009       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.50.008        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.50.B004       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.50.003        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.50.B002       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.50.B001       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.10.B020       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.10.B019       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.10.002        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V2.00.015        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V1.10.005        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V1.10.001        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V1.00.015        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | None       |
| V1.00.013        | <ol style="list-style-type: none"> <li>1. User login DUT with interface two, but Web UI show default interface IP.</li> <li>2. The "802.1x Authentication failure" system log cannot forward when 802.1 x clients authorized fail.</li> <li>3. When the ports that already entered "Port Stand-by" status then waked up by ingress packets, then back to "Port Stand-by" status after 10 minutes idle time, DUT CPU always can't respond to ping command.</li> </ol> | None       |

4. When we create two VLAN IP interfaces then set one of VLAN groups to ASV VLAN then join control PC MAC to ASV OUI, we find the control PC cannot ping (ARP not ICMP) to the DUT after join to ASV dynamic member a while. The DUT ARP Table display IP interface incorrect.
5. When we enable all ports of the DUT port-based Loop-back Detection mode then change to VLAN-Based mode, we find the SFP interfaces of the DUT loop-back detection function do not work.
6. We find SIM and 802.1X quick configurations page link error in all multi languages besides English.

7. After save configure we find wrong page and message in Chinese.



8. We uplink two DUT and set one fiber port to force mode, we find still link successful.
9. We find uplink two DUT the port link status will link up-->link down--> link up when power saving is enable.
10. We find Fiber port LED glitter frequency not stable.
11. When DUT enter or leave "LED Shut-off" status, PC's NIC will link down then link up.
12. MAC addresses of DUT SFP ports in FDB will be cleared when new link is established in DUT SFP ports. This issue also exists in copper ports randomly.
13. When two ports transmit packets to the same destination port with the same queue, the received rate is not stable.
14. We find storm control rate is not accurate, tolerance about 76%.

15. Sometimes when we test interface cable diagnostics function, the interface will shut-down then link up again.

**Related Documentation:**

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- DGS-1500-52 Series User Manual
- DGS-1500-52 Series Getting Started Guide