



Firmware Version: V2.00.016
Prom Code Version: V1.00.016
Published: 2012/1/10

These release notes include important information about D-Link DGS-3620 series 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 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](#):

D-Link 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.

- for the correct firmware upgrade procedure.

For more detailed information regarding DGS-3600 series 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: v1.00.035 Prom: v1.00.012	2011/3/25	DGS-3620-28TC	A1
		DGS-3620-28SC	A1
		DGS-3620-28PC	A1
		DGS-3620-52T	A1
		DGS-3620-52P	A1
Runtime: v1.00.038 Prom: v1.00.014	2011/5/13	DGS-3620-28TC	A1
		DGS-3620-28SC	A1
		DGS-3620-28PC	A1
		DGS-3620-52T	A1
		DGS-3620-52P	A1
Runtime: v1.00.040 Prom: v1.00.016	2011/10/7	DGS-3620-28TC	A1
		DGS-3620-28SC	A1
		DGS-3620-28PC	A1
		DGS-3620-52T	A1
		DGS-3620-52P	A1
Runtime: v2.00.016 Prom: v1.00.016	2012/1/5	DGS-3620-28TC	A1
		DGS-3620-28SC	A1
		DGS-3620-28PC	A1
		DGS-3620-52T	A1
		DGS-3620-52P	A1

Upgrade Instructions:

Note:
EI & SI features are all included in the firmware.
It is not necessary to upgrade PROM code.

D-Link 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 (serial port)

Connect a workstation to the switch console port and run any terminal program that can emulate a VT-100 terminal. The switch serial port default settings are as follows:

- ◆ Baud rate: **115200**
- ◆ Data bits: **8**
- ◆ Parity: **None**
- ◆ Stop bits: **1**

The switch will prompt the user to enter his/her username and password. It should be noted that upon the initial connection, there is no username and password by default.

To upgrade the switch firmware, execute the following commands:

Command	Function
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download [firmware_from_TFTP [<ipaddr> <ipv6addr>] src_file <path_filename 64> {[unit <unit_id> all]} {dest_file <pathname 64>}	Download firmware file from the TFTP server to the switch.
config firmware image {unit <unit_id>} <path_filename 64> boot_up	Change the boot up image file.
show boot_file	Display the information of current boot image and configuration.
reboot	Reboot the switch.

Example:

```
DGS-3620-28TC:15# download firmware_from_TFTP 10.53.13.201 src_file c:\DGS-3620_Series_FW_1.00.035.had
dest_file c:\DGS-3620_Series_FW_1.00.035.had
Command: download firmware_from_TFTP 10.53.13.201 src_file c:\DGS-3620_Series_FW_1.00.035.had dest_file
c:\DGS-3620_Series_FW_1.00.035.had
```

```
Connecting to server.....Done.
Download firmware.....Done. Do not power off!
Upload file to FLASH.....Done.
```

```
DGS-3620-28TC:15# config firmware c:\DGS-3620_Series_FW_1.00.035.had boot_up
Command: config firmware c:\DGS-3620_Series_FW_1.00.035.had boot_up
```

Success.

```
DGS-3620-28TC:15# show boot_file
Command: show boot_file
-----
Unit ID : 1
Boot up firmware image : C:\DGS-3620_Series_FW_1.00.035.had
Boot up configuration file: C:\STARTUP.CFG
-----
```

```
DGS-3620-28TC:15# reboot
Command: reboot
Are you sure you want to proceed with the system reboot? (y|n) y
Please wait, the switch is rebooting...
```

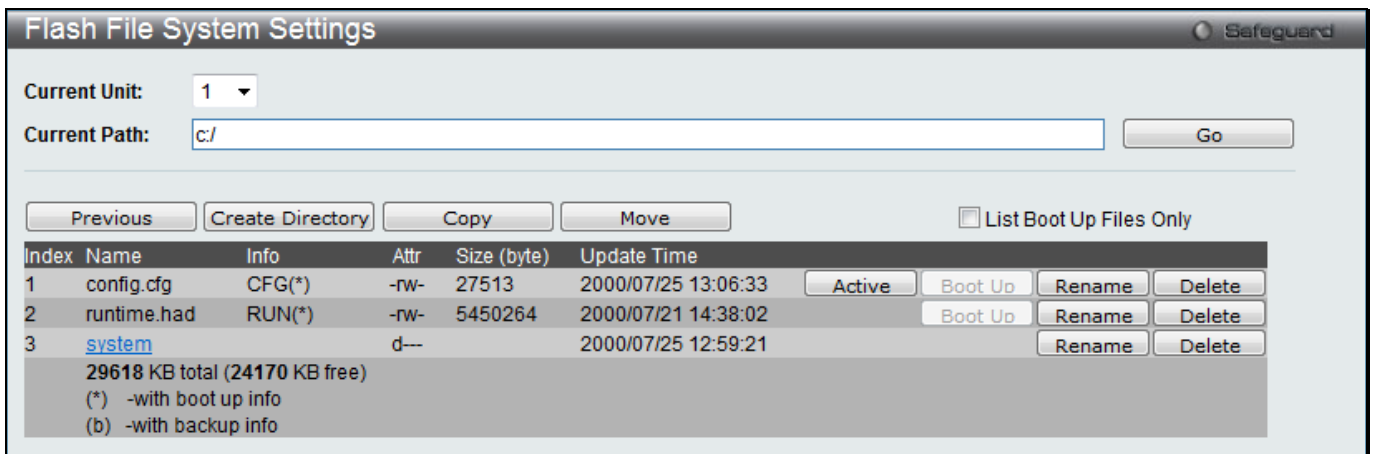
Upgrading by using Web-UI

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 username and password when prompted. It should be noted that the username and password are blank by default.
4. To update switch's firmware or configuration file, select **Tools > Download Firmware** from the banner.

5. Use the drop-down menu to select a unit for receiving the firmware. Select **All** for all units.
6. Enter the TFTP Server IP address.
7. Enter the name of the firmware file located on the TFTP server.
8. Enter the destination path and the desired file name.
9. Tick the check box to set it as a boot up file.
10. Click "**Download**" button.
11. Wait until the "Current Status" displays "Done" and the "Percentage" shows "100%".

11. To select the boot up image used for next reboot, click **Network Application > Flash File System Settings** in the function tree and then click the **C:** drive name. When you see the files list, click corresponding "**Boot Up**" button to specify the firmware that will be used for next and subsequent boot up.

Root	Media Type	Size (MB)	Label	File System Type
C:	Flash	123		FFS



12. To reboot the switch, select **Tools > Reboot System** from the banner.

13. Select **“Yes”** and click **“Reboot”** button to reboot the switch.

New Features

Firmware Version	New Features
V1.00.035	First release, please refer to datasheet and manual for detail function supported
V1.00.038	<ol style="list-style-type: none"> 1. Add new flash driver support – “JS28F512M29EWL”. 2. Modify PoE per port default power from 7000mw to 15400mw.
V1.00.040	None
v2.00.016	<ol style="list-style-type: none"> 1. Support D-Link License Management System(DLMS) to upgrade Standard Image (SI) to Enhance Image (EI) 2. Support external Alarm port functions 3. Supports 64 characters file name for file system 4. Enlarge PoE maximum power limit to 760W for DGS-3620-28PC 5. Support 100-FX/BX SFP Transceivers: DEM-210/211/220T/220R 6. Modify DDM shutdown default state from alarm to none 7. DSCP to CoS mapping 8. Support SNTPv6 9. Support 128 bits prefix IPv6 routing 10. Support DEM-CB700S 10GbE SFP+ to SFP+ 7meter Direct Attach Cable

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 on <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
V1.00.035		First release, please refer to datasheet for detail MIB supported

V1.00.038	None	
V1.00.040	None	
v2.00.015	Dlms.mib	Add DLMS
	Time.mib	Add SNTPv6
	QoS.mib	Add DSCP to CoS mapping
	Equipment.mib	Support external alarm port
	PoE.mib	Enlarge PoE maximum power limit to 760W for DGS-3620-28PC
	rfc5643.mib	Update OSPFv3-MIB

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
V1.00.035	First release
V1.00.038	None
V1.00.040	None
v2.00.016	None

Problem Fixed

Firmware Version	Problems
V1.00.035	First release
V1.00.038	None
V1.00.040	<ol style="list-style-type: none"> 1. Modify CPU GPIO pin setting on DGS-3600-28SC/28TC/52T 2. Modify RTC trickle register to reduce charging time
v2.00.016	<ol style="list-style-type: none"> 1. LAG group will be failed due to mis-matching of port configuration if power cycle in unit 2 (DI20110802000001) 2. The CPU loading of master and slave units will become 100% and make two master roles in the same stacking system. (DI20110616000011) 3. A loop condition was happened after using ERPS. After rebooted, DGS-3620 forwarded packets from RPL port whose state was blocking. (DI20110727000004) 4. Multicast packets cannot be forward after slave unit is rebooted (DI20110729000007) 5. DULD settings were lost after stacking Member unit reboot (DI20110726000012) 6. Null characters was occurred when getting the result of MIB (swERPSMgmtRAPSPProtectionVlan) (DI20110726000004) 7. Console freeze when typing "show wac auth_state po*" (DI20110726000004) 8. Performance issue in WAC for IPv6 (DI20110701000011)

* D-Link tracking number is enclosed in ()

Known Issues

Firmware Version	Issues	Workaround
V1.00.035	None	
V1.00.038	None	
V1.00.040	None	
v2.00.016	None	

Related Documentation

- DGS-3620 Series Web UI Reference Guide Release 2.0
- DGS-3620 Series CLI Reference Guide Release 2.0
- DGS-3620_Series_HW Installation Guide_v2.0