



Firmware Version: v 2.49.B025
Prom Code Version: v 1.10.009
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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.
- ♦ 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.

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New Features:

Firmware Version	New Features
v2.49.B025	<ol style="list-style-type: none"> 1. The following features support VRF-Lite <ul style="list-style-type: none"> - IPv4 PIM-DM/SM/SSM - OSPF v2/v3 2. Support Unicast Reverse Path Forwarding (URPF) 3. Support enabling LBD on VPLS interface 4. User can enlarge or reduce the number of ECMP routes; the default route has the highest priority when working with ECMP. 5. The Q-in-Q and Selective Q-in-Q can work with MPLS. 6. The L3VPN supports "implicit null" and the upstream router will perform penultimate hop popping (PHP) which will remove the top label on the stack. 7. The ACL supports VLAN List parameter. 8. The VPLS and VPWS features support VLAN range parameter. 9. Improve traceroute behavior to enhance the performance. 10. The snmp-server name which is used to configure switch's host name accepts hyphen, digit, letter, underline and dot format; the length also expands to 255 characters. 11. The SNMP system name can start with digit. 12. The Super VLAN now supports IPv6. 13. The MPLS is able to work with physical stacking. 14. User can enable or disable RIPv1/v2 auto summary feature. 15. Enhance the rate of packet loss for the unknown packets which need to be routed. 16. Increase the security design for Web GUI login. 17. Support DNA tool and DDP protocol. 18. The physical stacking supports two new MIBs <ul style="list-style-type: none"> - Unit Start Port (swUnitMgmtStartPort) - Unit Port Range (swUnitMgmtPortRange) 19. Enlarging the DHCP exclude address range from 5 to 32. 20. Support TLS 1.2 21. Support port channel counter 22. Support displaying all VRF's IP addresses. 23. Support Unidirectional Ethernet (UDE) feature. 24. Support SHA-256

- 25. Support BGP4+
- 26. Support VRRPv3
- 27. Support Multi-Chassis Link Aggregation Group (MLAG)

Changes of MIB & D-View Module:

Firmware Version	MIB File	New Features
V2.49.B025	swUnitMgmtStartPort swUnitMgmtPortRange	Two new MIBs for physical stacking

Problem Fixed:

Firmware Version	Problems Fixed
v2.49.B025	<ol style="list-style-type: none"> 1. Fixed the issue that the SSH session hanged up and cannot be cleared. (DRU20150716000003) 2. Fixed the issue that DXS-3600's interface information cannot be read by Cacti, an open-source, web-based network monitoring and graphing tool. (DEUR20150430000006) 3. Fixed the issue that a loop occurred when user issuing traceroute in MPLS topology. (DRU20150812000001, DRU20150909000003, DRU20150909000006, DRU20150909000004) 4. Fixed the issue that switch did not correctly display the ERPS ring information on Web GUI's ERPS Status page. (DEUR20160204000003) 5. Fixed the issue that the ACL's sequence number will not change after user executed the re-sequence command. (DEUR20151221000007) 6. Fixed the issue that the response time of traceroute might be huge or even no response at all. (DRU20160114000007) 7. Fixed the issue that when CFM feature was enabled, and user executed "debug show tech" command, the console might be frozen. (DI20170113000011, DI20170116000009) 8. Fixed the issue that the manual had a description about OSPFv2's "auto-cost reference-bandwidth" command but cannot find the command in switch. (DRU20170310000001) 9. Fixed the issue that switch's CPU will arise to 100% when user executing "show arp interface vlan xx" command. (DRU20171102000001)

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