

**Firmware Version:** 1.08B44_WW**Published Date:** Nov 15, 2013

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Revision History and System Requirement:

Firmware Version	Region	Date	Model	HW Version
1.08B44_WW	WW	Nov 15, 2013	DSR-150	A1, A2
1.08B29_WW	WW	May 28, 2013	DSR-150	A1,A2
1.05B50_WW	WW	May 10, 2013	DSR-150	A2
1.05B46_WW	WW	Sep 14, 2012	DSR-150	A1
1.05B35_WW	WW	July 29, 2012	DSR-150	A1
1.05B29_WW	WW	Jun 1, 2012	DSR-150	A1

Important Notes:

1. The firmware of DSR-150 is bound to the hardware. It means that the firmware designed for A2 only can be used for A2 hardware while A1 only for A1. If you upgrade a firmware on a mismatched hardware, e.g. load A2 firmware on the A1 hardware, accidentally, it may cause unexpected errors. So, please don't do it.
2. Since we did firmware structure optimization on 1.05B46, 1.05B46 is a necessary and inevitable intermediate build for latter firmware. If you are using a firmware older than 1.05B46 on DSR-150, please upgrade your firmware to 1.05B46 first. If you skip this step, your devices may crash after device reboot.
3. All DSR routers with WW version are not allowed to install RU firmware image in order to prevent unnecessary misunderstanding for customers.
4. Microsoft Windows XP has some well-known limitation to access USB storage of DSR router, D-Link provides a Registry Script file named: WinXP.reg which can solve limitation of Windows XP environment. Without applying this script file, it cannot copy file from Windows XP to USB storage. (This issue will not happen when copy file from USB storage to Windows XP.)
5. Now we support following 3G dongles on DSR 150 series: DWM-152 A1 and DWM-156 A1/A3/A5/A6.
6. Before plug DWM-152/156 3G USB dongle, please make sure the SIM Card is NOT set PIN code

Notes for Configuration Auto-Backup/Restore in USB Storage

D-Link DSR router series support configuration backup or restore automatically while a USB drive is inserted. Following information instructs what condition will perform backup/restore.

1. The router configuration will be automatically backed up to the USB drive as soon as the USB drive is inserted. The back name has format <Model Name>_<Serial Number>.cfg provided this USB drive doesn't have a backup configuration file from a DSR router already present.

2. The configuration in the USB drive can be updated if the user manually clicks 'Save Settings' in any GUI page and provided the Model Number and the Serial Number of the router matches with the file already present in the USB drive.
3. In case of reboot, the router checks for the presence of configuration file (with format ModelName_SerialNumber.cfg). If found, the configuration from the USB drive is restored on the router.
4. The USB drive can have only one configuration with the above mentioned format for each model name.
5. If the USB drive is plugged in to the router which is in factory default state, then during reboot, no backup is taken since no custom configuration file exists in the router by that time. The custom configuration is stored on the USB drive once the user clicks Save Settings in any GUI page.

Upgrading Instructions:

Upgrading by using Web-UI

Please use GUI upgrade feature to upgrade to this firmware version. For detailed installation and upgrade instructions, please refer to the Firmware Upgrades chapter in the *Unified Services Router v1.07 User Manual*.

New Features:

Firmware Version	New Features
1.08B44_WW	None
1.08B29_WW	<ol style="list-style-type: none"> 1. Support L2TP VPN client mode. 2. Support 5 concurrent GRE tunnels. 3. Lengthen IPSec Pre-shared key length to 64 characters. 4. Simplify IGMP settings – allow all net to pass through DSR by default. 5. Add package manager with single selectable 3G driver support.
1.05B29_WW	It's the first release.

Changes of MIB & D-View Module:

Firmware Version	New Features
1.05B29_WW	DSR-150/150N had supported LED MIB.

Problems Fixed:

Firmware Version	Problems Fixed
1.08B44_WW	<ol style="list-style-type: none"> Security Vulnerabilities Addressed: devices respond clients some unnecessary information, and hence give hackers a chance to hack devices. Reference: CVE-2013-5945, CVE-2013-5946 Solution: Remove all unnecessary root user accounts. Security Vulnerabilities Addressed: UPnP vulnerabilities identified in the audit of libUPnP code base. Reference: CVE-2012-5958, CVE-2012-5959, CVE-2012-5961, CVE-2012-5962, CVE-2012-5963, CVE-2012-5964, CVE-2012-5965 Solution: Patched Intel SDK libupnp v1.3.1 to add the following; 1) use 'snprintf' and 'strncpy' instead of 'sprintf' and 'strcpy', 2) While doing a 'strncpy', check if we are copying more bytes than the destination string size. After rebooting devices, synchronization with NTP didn't works. (DRU20130424000003) Multiport port forwarding doesn't work as our expecting behavior. (DRU20130718000004)
1.08B29_WW	<ol style="list-style-type: none"> Security Vulnerabilities Addressed: Persistent root access. Reference: http://packetstormsecurity.com/files/118355/D-Link-DSR-250N-Backdoor.html Solution: Removed CLI commands that could allow someone to overwrite the super user password and gain root access to the device. Root user account will be completely removed in the next firmware version. In a special scenario, DSR will respond the MAC address of local IP addresses to a utility called "arping". Update the DSR-150 X.509 certificate.
1.05B50_WW	<ol style="list-style-type: none"> Unable to ping VLAN hosts from PPTP clients when VLAN PVID is configured with 2 digits or more. The L2TP over IPsec tunnel may disconnect if user continuously ping, or download a file (>2GB) via http or ftp. Bandwidth Limit is not functional when port name and interfaces are used in the traffic selector.
1.05B46_WW	<ol style="list-style-type: none"> Compatibility issues between DSR-150(N) PPTP server and Android PPTP client if "PPTP encryption" is enabled. PING and DNS WAN failure detection method is not following its configured parameters – Retry Interval and Numbers. Fail to access files with a traditional file name in the USB drive. Fail to forward IGMP control packets between LAN and WAN. NetBIOS is not working for PPTP and L2TP clients. If using Windows sharing to upload/download files, PPTP clients get disconnected.

	<p>7. All SSID will associate with the default VLAN when rebooting devices.</p> <p>8. When L2TP server is configured using "FQDN", L2TP tunnels may not get reconnected after rebooting devices.</p> <p>9. Don't log SSL VPN disconnections and logout.</p>
1.05B35_WW	<p>1. STATUS->LAN Clients->List Clients shows nothing.</p> <p>2. PPTP Client mode doesn't support 40bits MPPE encryption method.</p> <p>3. It takes too long to respond to VLAN creation and edit.</p> <p>4. DDNS are not functional on the rollover WAN, i.e. 3G connections.</p>
1.05B29_WW	It's the first release.

Known Issues:

Firmware Version	Known Issues
1.05B50_WW	1. Not able to print documents through the network printers from Linux LAN hosts.
1.05B29_WW	It's the first release.

Related Documentation:

- Unified Services Router User Manual v1.07
- Unified Services Router CLI Reference Guide v1.05