



Firmware Version: 4.7.0.1\_WW

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## **Revision History and System Requirement:**

Firmware Date Model History				
Version	Date	Hardware	nistory	
4.7.0.1_WW	06 July	DWC-1000	<ol> <li>Support new APs</li> <li>Captive portal optimization</li> <li>Improving stability of controller GUI</li></ol>	
	2018	C1	access (LSH project critical error issue)	
4.6.1.1_WW	14 Sept 2017	DWC-1000 A1/B1/C1	<ol> <li>M2.3 release</li> <li>To fix inconsistency issues among DWC-1000 A1/B1_v4602 and C1_v4603.</li> <li>Note: When A1/B1 and C1 are in the same network segment (broadcast domain), DWC-1000 C1 must be configured as master controller in peer group to avoid syncing error between controllers.</li> </ol>	
4.6.0.3_WW	29 July	DWC-1000	<ol> <li>No changes, just rename C1 v4601 to C1</li></ol>	
	2017	C1	v4603. <li>Update known issue list</li>	
4.6.0.2_WW	04 July 2017	DWC-1000 A1/B1	Based on v4601	
4.6.0.1_WW	05 June 2017	DWC-1000 A1/B1	Support new UAPs	
4.4.1.2_WW	20 Nov	DWC-1000	<ol> <li>User Manual ver. 3.12</li> <li>Correct typo</li> </ol>	
4.4.1.2_RU	2015	A1/B1		
4.4.1.2_WW 4.4.1.2_RU	08 Sept 2015	DWC-1000 A1/B1	<ol> <li>New GUI firmware</li> <li>On top of FW v4.4.1.1</li> <li>Bug fix</li> <li>Update new feature field on 4.4.1.2/4.4.1.1/4.4.0.2.</li> <li>Update problem fixed items on 4.4.0.2_B301 field.</li> </ol>	
4.4.1.1_WW	22 May	DWC-1000	<ol> <li>New GUI firmware</li> <li>On top of FW v4.4.0.2_B501</li> </ol>	
4.4.1.1_RU	2015	A1/B1		
4.4.0.2_B301_WW	13 Mar	DWC-1000	1. Bug fix	
4.4.0.2_B301_RU	2015	A1/B1		
4.4.0.2	02 Mar	DWC-1000	1. Bug fix	
4.4.0.2	2015	A1/B1		
4.3.0.2_B401_WW	03 Dec	DWC-1000	1. Bug fix	
4.3.0.2_B401_RU	2014	A1/B1		
4.3.0.2_B305_WW	25 Nov	DWC-1000	<ol> <li>Bug fix</li> <li>Security Vulnerability Addressed</li> <li>OpenSSL vulnerability</li> <li>(CVE-2014-3566)</li> </ol>	
4.3.0.2_B305_RU	2014	A1/B1		
4.3.0.2_B203_WW 4.3.0.2_B203_RU	05 Nov 2014	DWC-1000 A1/B1	<ol> <li>DWC-1000 and DWC-2000 are <b>not</b> vulnerable to SRTP Memory Leak (CVE-2014-3513).</li> </ol>	
4.3.0.2_B101_WW	11 Sept	DWC-1000	N/A	
4.3.0.2_B101_RU	2014	A1/B1		

4.3.0.2_WW	12 Aug	DWC-1000	1. Security Vulnerability Addressed
4.3.0.2_RU	2014	A1/B1	OpenSSL vulnerability (CVE-2014-0224)
4.3.0.1_WW	17 July	DWC-1000	<ol> <li>New AP support</li> <li>Bug fix</li> <li>Based on 4.2.0.6_B501</li> </ol>
4.3.0.1_RU	2014	A1/B1	
4.2.0.6_WW_B303	11 Apr	DWC-1000	<ol> <li>DUSA20140204000002</li> <li>Security Vulnerability Addressed</li> </ol>
4.2.0.6_RU_B303	2014	A1	
4.2.0.6_WW_B201	11 Mar	DWC-1000	<ol> <li>Bug fix</li> <li>Security Vulnerability Addressed</li> </ol>
4.2.0.6_RU_B201	2014	A1/B1	
4.2.0.6_WW	03 Mar	DWC-1000	<ol> <li>Add firmware MD5 checksum info</li> <li>Update "Important Notes"</li> <li>Update "Notes for Configuration</li></ol>
4.2.0.6_RU	2014	A1/B1	Auto-Backup/Restore in USB Storage"
4.2.0.6_WW	30 Dec	DWC-1000	1. Security Vulnerability Addressed
4.2.0.6_RU	2013	A1/B1	

### **Firmware Details:**

Image Version	HW	MD5 Checksum
DWC-1000_C1_FW4.7.0.1_WW	C1	7264df9abf5029ca84e981597713ed1b

### **Important Notes:**

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- 1. A firmware region mismatch between RU and WW images now is forbidden. System will check and block firmware upgrade process, such as firmware upgrade from  $RU \rightarrow WW$  or  $WW \rightarrow RU$  image.
- 2. Below are new functions and will be available after upgrading FW to v4.2.0.3 or later.



**Website Filter** feature (Content Filtering/ Approved URLs/ Blocked Keywords/ Export) needs DWC-1000-VPN/ DWC-1000-VPN-LIC license upgrade.

**Category Filtering** feature needs DWC-1000-WCF-12 or DWC-1000-WCF-12-LIC license upgrade.

3. B1 firmware is not backward compatible with HW A1, please make sure the hardware version

is correct before upgrading firmware for DWC-1000.

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4. Hardware B1 supports Web Recovery Mode whenever there is firmware damage on DWC-1000, or manually access it by following steps: Power off the DWC-1000, press and hold the reset button, then power on and keep hold the reset button for over 15 seconds, the DWC-1000 will enter the Web Recovery Mode either.



The IP address will be 192.168.1.1, and make sure to setup same IP segment for your PC/NB then access the Web Recovery Mode via browser.

🟠 🔻 🗟 👻 🖃 🖶 🕶 Page 🔻 Safety 👻 Tools 👻 🚱 👻 🛵 関
DWC-1000 WEB Recovery Mode
Firmware Image : Browse
WARNING!! Do NOT power off the device during the firmware upgrade process!
• After upgrading, it will restore system to factory default settings, the default IP address will be "192.168.10.1".
5. GNU/Linux Bash Shell vulnerability (CVE-2014-6271)
We have evaluated this vulnerability. DWC-1000 and DWC-2000 are <b>not</b> vulnerable to this since

these devices do not expose the shell interface through CLI nor WEB interface (including CGI). Reference website: **Unified Controller Firmware Release Notes** 

http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-6271 http://seclists.org/oss-sec/2014/q3/650 https://blogs.akamai.com/2014/09/environment-bashing.html

6. SRTP Memory Leak (CVE-2014-3513)

We have evaluated this vulnerability. DWC-1000 and DWC-2000 are **not** vulnerable to this since these devices do not support SRTP and based on OpenSSL 1.0.x versions.

Reference website:

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http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-3513

7. DWC-1000 Clustering behavior among A1/B1 and C1.

When A1/B1 and C1 are in the same network segment (broadcast domain), DWC-1000 C1 must be configured as master controller in peer group to avoid syncing error between controllers.

### Notes for Configuration Auto-Backup/Restore in USB Storage:

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

- The configuration will be automatically backed up to the USB drive as soon as the USB drive is inserted. The configuration file name format is <Model Name>\_<Serial Number>.cfg.
- 2. The system LED on the DWC blinks 5X in amber to indicate a backup operation has started.
- 3. 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 DWC matches with the file already present in the USB drive.
- 4. In case of reboot, the DWC checks for the presence of configuration file (with format ModelName\_SerialNumber.cfg). If found, the configuration from the USB drive is restored on the DWC. If a configuration file with the correct format is present in both connected USB drives, the configuration from the first USB drive will be used to restore the DWC.
- 5. The USB drive can have only one configuration with the above mentioned format for each model name.
- 6. If the USB drive is plugged in to the DWC which is in factory default state, then during reboot, no backup is taken since no custom configuration file exists in the DWC by that time. The custom configuration is stored on the USB drive once the user clicks Save Settings in any GUI page.

## **Upgrading Instructions:**

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#### Upgrading by using Web-UI

For installation details and upgrade instructions, please refer to the Firmware Upgrades chapter in the *DWC-1000 User Manual ver. 3.12*.

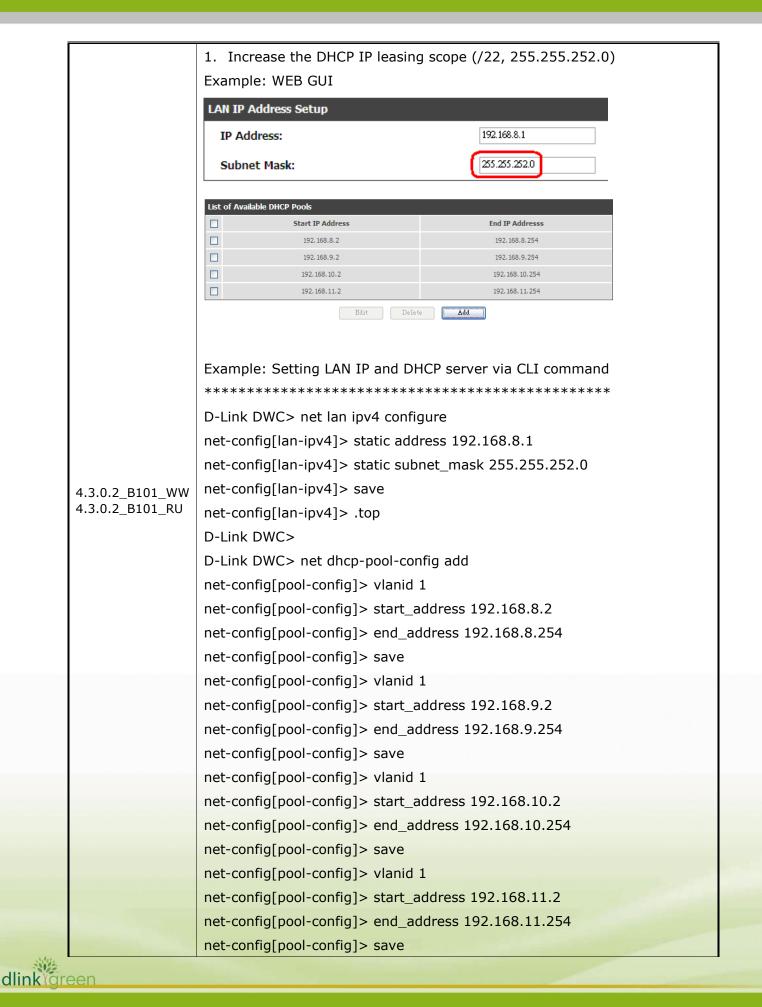


## **New Features:**

Firmware Version	New Features
	1. Support DWL-6620APS and DWL-7620AP
4.7.0.1_WW	2. Multiple RADIUS server support
	3. Isolated SSID profile
	1. M2.3 release, no new features
4.6.1.1_WW	2. To fix inconsistency issues among DWC-1000 A1/B1_v4602 and
	C1_v4603.
4.6.0.2_WW	N/A (Based on A1/B1 v4601)
	1. Support DWL-3610AP/6610AP_B1
	2. Support new license, AP18-LIC
	3. Single VLAN setting on WAN
4.6.0.1_WW	4. Sync MAC authentication and CP attribute with DWS
	5. Add back Facebook Wifi
	6. Human Readable Log for AP Lost Management
	7. Password rules (A1/B1 v4601 not support yet)
4.4.1.2_B501C	DWL-8710AP support (DWC-1000 A1/B1 FW v4.4.1.2B501C and onwards)
4.4.1.2_WW 4.4.1.2_RU	New GUI style.
	1. New GUI style.
	2. DWL-6610AP support (DWL-6610_FW_v_4.3.0.2_B042.tar or later
4.4.1.1 WW	version)
4.4.1.1_RU	3. WDS-managed AP feature for 6610AP is not ready yet
	4. [HQ20141204000016] WLAN visualization issuesNot supported for A1
	hardware for new GUI image, but B1 supported.
4.4.0.2_B301_WW 4.4.0.2_B301_RU	N/A
	1. Maximum Clients 30 as default
4.4.0.2_WW	2. Update Russia Time Zone
4.4.0.2_RU	3. DWL-6700AP support (DWL-6700_FW_v4_4_0_6.bin or later version)
	4. DWL-6700AP doesn't support WDS-managed AP feature
4.3.0.2_B401_WW 4.3.0.2_B401_RU	N/A

## **Unified Controller Firmware Release Notes**

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# **D-Link** Unified Controller Firmware Release Notes

net-config[pool-config]> .top D-Link DWC> D-Link DWC> net lan ipv4 configure net-config[lan-ipv4]> dhcp mode DHCP-Server net-config[lan-ipv4]> dhcp default\_gw 192.168.8.1 net-config[lan-ipv4]> save net-config[lan-ipv4]> .top D-Link DWC> 2. Reboot Scheduler via CLI command D-Link DWC> util schedule-reboot true **Operation Succeeded** D-Link DWC> Reboot Reason : reboot scheduler The system is going down NOW !! Sending SIGTERM to all processes. a. Enable: "util schedule-reboot true" b. Disable: "util schedule-reboot false" c. It will reboot every day automatically during 03:01:10 - 03:01:50, not 3AM sharp. 3. Reboot Trace Code via CLI command D-Link DWC> show system status System Info System Up Time: 0 days, 0 hours, 2 minutes, 49 seconds Reboot Trace Code: reboot scheduler ModelId: DWC-1000 System Name: DWC-1000 WLAN Module Version: 4.2.0.1 Firmware Version: 4.3.0.2\_A1\_B101\_WW Serial Number: QBE81B6000004 **UBOOT VERSION: N/A** 

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4. Deleting local user via CLI command D-Link DWC> system group add groups-config[userdb]> groupname CP groups-config[userdb]> description Captive-Portal groups-config[userdb] > Privilege\_Type CaptivePortal Y groups-config[userdb]> grouptimeOut 10 groups-config[userdb]> save groups-config[userdb]> .top D-Link DWC> D-Link DWC> system users add users-config[userdb]> username fatman users-config[userdb]> password 12345678 users-config[userdb]> password\_confirm 12345678 users-config[userdb]> groupname CP users-config[userdb]> FirstName Fatman users-config[userdb]> LastName Chen users-config[userdb]> save users-config[userdb]> .top D-Link DWC> show system users all ------USERS------ROWID User Name Group Login Status 1 admin ADMIN Enabled (LAN) Enabled (OPTION) 2 guest GUEST Disabled (LAN) Disabled (OPTION) 3 fatman CP Enabled (LAN) Enabled (OPTION) D-Link DWC> system users delete\_user fatman STATUS\_OK D-Link DWC> show system users all ------USERS------**ROWID User Name Group Login Status** ADMIN Enabled (LAN) Enabled (OPTION) 1 admin



	2 guest G	UEST Disa	bled (LAN	) Disabled	d (OPTION	)
	D-Link DWC>					
	***********************					
	a. Delete via User	Name: "sy	ystem use	rs delete_	user fatm	an″
	b. Delete via ROW	ID "syste	m users d	elete 3″		
		·				
4.3.0.2_WW 4.3.0.2_RU	N/A					
	1. DWL-8610AP Su	oport (DW	L-8610_F	W_v_4.3.0	D.2_B016)	
	2. Delete/deactivate licenses via CLI command					
	***************************************					
	D-Link DWC> license clear					
4.3.0.1_WW	*********					
4.3.0.1_RU	3. The Max AP database number is 4 times of Max Managed AP number					
	supported on DWC-1000.					
	AP license	Default	AP6 x 1	AP6 x 2	AP6 x 3	
	Max AP database	24	48	72	96	
	Max Managed AP	6	12	18	24	
4.2.0.6_B303_WW 4.2.0.6_B303_RU	N/A					
4.2.0.6_B201_WW 4.2.0.6_B201_RU	N/A					
4.2.0.6_WW 4.2.0.6_RU	N/A					

## **Problems Fixed:**

Firmware Version	Problems Fixed
	1. Wrong display of Expiration Date and Time on Frontdesk page.
	(DEUR20170131000013/ HQ20170202000026). SPR #59620
	2. RADIUS attributes (Calling-Station-Id and Called-Station-Id) are not
	included for Captive Portal authentication. (Works fine for MAC
	authentication and WPA2/-Enterprise)
	3. The problematic AP profile gives wrong SSID assignment after syster
4.7.0.1_WW	reboot. (DEUR20170111000006/ HQ20170113000006)
	(DWC-1000/A1/B1 only) SPR #52908
	4. Cannot remove DNS Hostname Mapping via either the GUI or CLI
	interface (DI20170219000001/ HQ20170220000001) SPR #61971
	5. (When no VPN license) Throwing "Bad Parameter" error message whe
	using Manage Dashboard options. (DEUR20170707000003/
een	

HQ2017071000008) (DWC-1000 only) SPR #61724 6. When using billing users in batch generation, system pops up wrong "error message" due to the mismacth of calculation of max users in backend. (DEUR20170414000001/ HQ20170414000008) (DWC-1000 only) SPR #60528 7. Not able to upload the image for WLAN Visualization (DI20170717000001/ HQ20170717000005) SPR #61707 8. Fix of IRAN country code issue 9. Fix of UAE country code issue (IMA20170810000001/ HQ20170811000001) 10. System shows strange error message "Operation Failed" when setup Email Log Configuration (DEUR20170412000001/ HQ20170412000014) (DWC-1000/C1) SPR #60506 11. Wrong Airtime Fairness warning message when trying to enable AP Client QoS Mode globally (DEUR20170530000005/ HQ20170602000025) SPR#61311 12. When setup IP ACL Rule Configuration, there is no IP option within the Protocol dropdown list. (DEUR20170622000007/ HQ20170623000005) (DWC-2000) SPR#61414 13. FB WiFi issue SPR#60907 14. Error message when adding VLANs to LACP (SPR#62454) 15. DHCP NACK Issue (DEUR20171005000005/ HQ20171006000012) SPR #63495 16. Web UI Management feature which is not existing in DWC-2000 but available in DWC-1000C1 (DWC-2000 only) SPR #63352 17. Cannot access the Web UI using Firefox (DI20170803000001/ HQ20170803000006) SPR #62221 SPR#61917 18.172.17.17.17/16 not configurable (DEUR20170907000001/ HQ2017090700002) (DWC-1000) SPR#62490 19. You cannot add /24 network address via WEB GUI (DI20171004000006/ HQ20171005000002) SPR# 62525 20. Critical Issue of License Activation (DEUR20171206000002/ HQ20171207000002) SPR #62859 21. Roll in the fix of 4.6.0.2Q012T test build for DWC-2000 hang-up issue (DI20170116000007/ HQ20170117000004) SPR #62911 22. DWL-6610APE management issue. Not allow WPA2+TKIP setup (DEUR20171222000001/ HQ20171227000004) SPR #62995 23. DHQ CP Login issue (General fixes/optimizations and LDAP Auth flow

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changes)

24. LSH project critical error issue, system pop-up error msg when
accessing GUI page "A critical error encountered while web page", a
reboot needed to have it back (HQ20180125000010) SPR #63234

- 25. LAG issue (Link Aggregation static mode) with DGS-3420 (DI20171006000001/ HQ20171006000013) SPR #62539
- 26. Configure default route on CLI (DEUR20171027000004/ HQ20171027000010) (DWC-1000 C1 only) SPR #62631
- 27. Config backup/restore via DV7 issue (DI20171012000001/ HQ20171013000009) SPR #63406
- 28. DWC-1000 config issue with update (from 4.4.1.3B201C\_B1\_WW to 4.6.1.1), (DEUR20171123000005/ HQ20171124000005) SPR #62776
- 29. DWC-2000 the expired temporary users within DB are not automatically deleted. (DEUR2017110900003/ HQ20171110000004) SPR #62720
- 30. To have TLS on/off (Maintenance»Logs Settings»Remote Logs) for DWC-1000 A1/B1/C1 only, (DUSA20180117000001/ HQ20180117000002) SPR# 63169"
- 31. Adding the warning message whenever a reset to factory default is needed during firmware downgrade process. (DI20180119000003/ HQ20180131000007) SPR# 63265
- 32. Lost configuration after downgrade firmware. (DI20180119000003/ HQ20180214000007) SPR #63351
- 33. WLAN Visualization image issue, the uploaded file size is zero. (DEUR20180228000006/ HQ20180305000016) SPR# 63462
- 34. WLAN clients can directly access the Internet without being redirected to the Captive Portal (DEUR20180305000004/ HQ20180307000009) (fix for DWC-1000/C1 only) SPR# 63498
- 35. DBG17030351 TCP SYN scan, closed port should not be detected (DWC-2000 v4602)
- 36. DBG17030352 UDP port scan, no ports should respond to UDP port scan. (DWC-2000 v4602)
- 37. DBG17040046 TCP-FIN scan, no ports should respond to TCP-FIN scan. (DWC-2000 v4602)
- 38. POP3 authentication server should accept the FQDN name with more than 15 characters. (DI20170320000001/ HQ20170320000005) SPR #60276

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		39. DWC-1000 - WLAN Wizard only supports A/B/G/N not AC
		(DEUR20170127000002/ HQ20170202000013) SPR #59495
		40. Incorrect warning message in peer device when try to start manual
		power adjustment. (DI20170228000003/ HQ20170301000025) SPR
		#60210
		41. DWL-6700AP status is not changing to standalone from managed
		mode. (HQ20170517000004) SPR #60943
		42. In customized captive portal page, the login successful page shows
		Password Change option wrongly, it shouldn't be available since it
		was disabled. (DEUR20170717000004/ HQ20170718000008) SPR
		#63334
		43. VPN license is losing after upgrade from 4.4.1.3 to 4.6.0.2
		(DEUR20170710000006/ HQ20170719000002) (DWC-1000A1/B1)
		SPR #62122
		44. Log is getting full fast by Kernel Error message, need to remove this
		log (DEUR20180220000011/ HQ20180221000016) SPR #63533
		45. [DLAB] Multiple ports are staying at "closed" status in TCP SYN scan.
		(DBG17050387, DBG17050385, DBG17070547) SPR #60714
		46. [DLAB] UDP port scan (by using NMAP) result is showing closed ports
		(DBG17070605) SPR #60718
		47. [DLAB] TCP-Fin scan (by using NMAP) result shows closed ports
		(DBG17070546) SPR #60719
		48. Unable to configure the Airtime fairness option in the DWC1000 C1,
		when enable "Airtime Fairness" for the profile (DEUR20180418000003/
		HQ20180419000011) SPR #63815
	1.	DBG17040281 DWC-1k_Mac-Auth_webUI issue for authentication action in
	M	AC database.
	2.	DBG17050181 H/W=C1 cannot create 256 temp users on frontdesk page.
	3.	DBG17050302 DWC-1k_Bug_CLI_Cli format changed in C1 version
	(5	SPR#56187).
	4.	DBG17050183 DWC_AD_Two issue within AD page, server check and web
4.6.1	1_WW pa	age difference.
	5.	DBG17050179 DWC_CLI_Having the different command for option port
	se	etting between A1, B1 and C1.
	6.	DBG17050309 DWC_AP-Profile_DWC-1k still suffer the same issue as
		BG17020030, SPR 59525.
		DBG17050306 DWC-1k_webUI_the spelling issue in CP setting.
		DBG17050319 DWC-1000_UserDatabase_with the same incorrect CSV
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format DWC-1k show the different error message between different hardware
types.
9. DBG17050100 DWC-1k_webUI_the different UI displacement between
SSID profile and AP profile SSID pages.
10. DBG17050094 DWC-1k_Ap-Profile_Still has the redirection option for
new added xx10AP.
11. DBG17040240 DWC-1k_ap-database_incorrect number of AP-database
in CLI.
12. DBG17050157 A1/B1 failed to upload the CSV file to USER DB, the same
format is work for H/W C1 version. (DBG17020018)( SPR#59719)
13. DBG17050205 DUT will present a critical page as accesses into frontdesk
page after a specific test steps performed.
14. DBG17050304 CLI issue-"net LAN DHCP reserved_ip" is different with old
firmware version, and it's also different between B1 and C1 version. (previous
case SPR#55519)
15. DBG17050337 DWC-1000_User-database_can upload CSV file even it will
exceed the mac spec number (SPR#57698).
16. DBG17050335 DWC-1000_CLI_CLI act incorrectly when adding the Mac
Authentication database with the account exceed mac number.
17. DBG17050326 The Web GUI naming of internal database is different
between B1 and C1, need to be synced.
18. DBG17050213 DWC-1000_frontDesk_Unclear ticket info with the billing
profile type Start-while-Account-Login.
19. DBG17050147 DWC-1k_Peer-Sync_incorrect temp CP info cause by peer
sync.
20. DBG17050182 DWC_LDAP_The default configurable base CN in LDAP
setting should be D-Link.
 21. DBG17040246 DWC-1k_LDAP_exceed max LDAP server via CLI and
strange behavior when authenticating.
22. DBG17050246 Bug is not fixed (HQ20150812000006/SRP#53146),
DWC-1000(C1) is not working as expected.
23. DBG17050150 Password rules for A1/B1 (SPR#61970)
24. HQ20170612000004 (Config Migration : Uploading DWC-1000/A1's
Config to DWC-1000/C1) (SPR#61606)
25. DBG17050165 The NT domain setting page doesn't sync between A1, B1
and C1. (SPR#60814)
26. HQ20170614000012 (CP login page with HTTPS by default, C1 only)



4.6.0.2_WW	1. HQ20170614000009 To fix the AP License to Zero Issue (A1/B1 only)
	1. HQ20160627000021 Captive Portal issues from DHQ setup
	2. HQ20160831000011 LAN client cannot access Internet when default
	gateway is DWC
	3. HQ20161220000011 Need to allow space character in SSID profile
	configuration from both SSID profiles and AP profile SSID page
	4. HQ20160722000011 [DLAB] Unable to get the value for OID
	"wsManagedAPRadioBandwidth" when radio bandwidth is 80 MHz
	5. HQ20160705000002 Unable to disassociate clients from SNMP browser
	with OID "wsAssociatedClientDisassocaiteAction"
	6. HQ20160831000014 SLA content is not coming properly in mobile phone
	7. DBG16080306 Incorrect error message when we add 65th AP profile
	8. DBG16110292, DBG16110290 Difference in alert message usage and
	actual usage left for TEMP CP
	9. HQ20160621000015 [WebGUI] Status Bar shows "Operation Failed"
	when we edit & save SSID
	10. HQ20160825000010 Authorzie.net error mapping if any issue in
	configuration of billing profiles
4.6.0.1_WW	11. DBG16080304 Need to show link local ipv6 address in GUi.
	12. DBG16080282 Unable to set more than 31 days in the session timeout
	value of billing profile
	13. DBG16110379, HQ20161116000010 Error message when added a ACL
	rule with L4 port HTTP
	14. HQ20160412000011 Captive portal problem-[Expiry date is showing
	wrong when we select start while account created in billing profile]]
	15. HQ20160407000015 PayPal is not working for PayPal test
	16. HQ20160321000006 Unable to configure diffserv match selector with
	IP address as 0.0.0.0/0.0.0
	17. HQ20160321000004 Minimum Power should persist across reboot
	18. HQ20160505000002,HQ20160518000004 Auto power channel
	plan[DEUR20160504000004-Eastern Europe]
	19. HQ20160331000014 LDAP Daemon is killing while login through
	CaptivePortal
	20. HQ20160613000033 The number of SSID of AP Profile HW type 6700
	conflicts with DWL-6700 design
	21. HQ2016050600007 Device is throwing error as "Give the radio
	interface", when tried to reset AP from CLI.



	22. HQ20160721000002	Unable to delete the VLAN though it is not
	associated to any SSI	ID from dwc-1k with config
	23. HQ20160415000015	DWC web unstable issues, sometimes login
	button missing, pages	s are not loading properly, wrong notifications after
	logged-in to CP	
	24. HQ20160218000007	Need to change the IPsec mode config and DHCP
	client range to loop b	ack address, also when customer tries
	25. HQ20160301000019 working.	Bandwidth rule [control] on option2 is not
	26. HQ20160311000013,	HQ20160914000007 Cannot redirect to
		e" after temporary user click accept button.
		Upgrade firmware from 4.4.0.2_B401 to
	-	iration becomes default
	28. HQ20160506000010	Routing Logs should come irrespective of facility
	Logs in DWC-1000	
	29. HQ20160513000002	Unable to save time from CLI
	30. HQ20160506000017	Need to support Called Station ID Attribute in
	Access-Request pack	
	31. HQ20160621000015	[WebGUI] Status Bar shows Operation Failed
	When we edit & save	SSID
	32. HQ20160606000019	Cluster Controller displayed some APs as are
	"Conn Failed" on Clus	ter Controller WEBUI
	33. HQ20160705000002	Unable to disassociate clients from SNMP
	browser with OID "we	sAssociatedClientDisassocaiteAction"
	34. HQ20160722000011	Unable to get the value for OID
	"wsManagedAPRadioE	Bandwidth" when radio bandwidth is 80 MHz
	35. HQ20160831000014 phone	SLA content is not coming properly in mobile
	36. HQ20160627000021	Captive Portal issues of setup
	37. HQ20160825000010	Authorzie.net error mapping if any issue in
	configuration of billing	g profiles
	38. HQ20160909000009 M	Need to modify the help content for maximum
	controllers in cluster	for DWC-1k to 4 from 8
	39. HQ20160831000011	LAN client cannot access Internet when default
	gateway is DWC	
	40. HQ20161116000010	When added a ACL rule with I4 port HTTP then
	when edit it is showin	
	41. HQ20161021000002	DWC-1000 issues
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[DI20161012000002-Singapore]
42. HQ20160822000012 httpd upgrade, LDAP changes & loggingd
changes for issues observed in customer setup
43. HQ20160218000006- overlapping subnet/ VLAN
[DEUR20160217000006-Eastern Europe] Unable to configure VLAN
with Addresses 192.168.10.1/24 after changing the default LAN IP also
44. HQ20160215000046-DWC-1k - DHCP Issue
[DEUR20160211000007-Central Europe] should not allow reserved IP
configuration from CLI in the range of DHCP pools
45. HQ20160219000003-Default HTTPS port number is 4443 instead of 443
Need to add port 443 for remote management and SSL-VPN
46. HQ20160219000016- Captive Portal redirect feature doesn't work
correctly[DEUR20160218000019-Eastern Europe] Need to hide redirect
option in SSID page when we enable the captive portal in the same page
47. HQ20160219000021- how does CP user logout? how can administrator
logout CP user?[DEUR20160218000011-Eastern Europe] After login to
the captive portal if redirection to any website is enabled need to redirect
it in new page, with logout button in same login page
48. HQ20160302000015- [Web GUI] When 2.4G Radio turned off, the 5GHz
status in Radio Detail Page is blank. The 5GHz radio status in Radio Detail
Page is blank when we managed DWL-6700AP.
49. HQ20160304000002- DWC-2000: Problem with AP debug
mode.[DRU20160303000004-Russia] Need to extend the password
length to 5 $\sim$ 32 characters for AP debug mode
50. HQ20160223000012- RADIUS unauthenticated client is
blacklisted[DEUR20160222000003-Eastern Europe] Need to add
delete all and single delete function in detected clients page and also
change the option in WIDS client security configuration page for MAC
Authentication Database Lookup Method option
51. HQ20151013000018 - DWC-2000 Captive Portal HTTPS is not reply at all
Captive Portal Logout behavioral change
52. HQ20160216000012 - SSL vulnerability [DEUR20160208000002-UKI]
SSL/TLS use of weak RC4 cipher- CVE-2013-2566
53. HQ20160127000001-Hangs when using temporary user captive portal
hot spot [DEUR20160126000008-South Europe] Should get server
busy redirect page instead of 503 error page
54. HQ20151229000008-No SLA Configuration for Temporary User No SLA
Configuration for Temporary User in SSID profiles page

# **D-Link** Unified Controller Firmware Release Notes

		55. HQ20160127000021 DWC-1000 + DWL-8610 - several
		issues[DEUR20160125000011-Central Europe][three
		issues]-DWC-1000 + DWL-8610 several issues
		56. HQ20160218000017-Paypal CP translation
		[DEUR20160217000012-Eastern Europe] Spelling mistake in pay pal
		configuration page
		57. HQ20160201000019-Master & Peer show AP's previous radio power
		values in Web GUI after turn off AP radio (continue HQ20151216000012)
		When both the radio of peer managed AP is off then channel is not
		getting updated in master
		58. HQ20160218000018DSR-Series - FW 2.x & 3.x - PPPoE password
		length to short [DEUR20160217000004-Central Europe] Need to
		increase the PPPoE password length
		59. HQ20151217000014-Nat problem [DEUR20151216000007-South
		Europe] NAT problem [DWC-1000 device WAN is not getting up in
		roll-over case]
		60. HQ20151218000002-What is the unit used for the QoS Bandwidth limit
		on the SSID configuration page? [DUSA20151218000001-Canada]
		The value of client QoS bandwidth up/down value is displaying as -1
		when configuring maximum values
		61. HQ20151221000015-management remote access behind NAT with port
		forwarding [DEUR20151218000002-Eastern Europe] Unable to open
		DWC-1000 GUI pages when device is behind NAT with Port forwarding
		Rule
		62. HQ20160106000002- DWC-1000 - Option forced roaming Force
		roaming option is getting disabled after reboot for managed AP entry
		added in valid access points page
		63. HQ20151125000010-DWC-1000 and DWL-8610AP Captive portal ERROR
		page issue. [DUSA20151121000001-USA] Observed operation does not
		exist message while edit and click on save button
		1. DBG14090381 Unable to see the fields e.g. Header, Customized Not, Time
		Stamp and Footer.
		2. DBG14090416 incorrect CP type in AP Profile SSID page.
	4.4.1.2_WW	3. DBG15050481 Reboot message incorrect
	4.4.1.2_RU	4. DBG15050404 DWL-2600 & 8610AP not support WEP encryption, so
		DWC-1000 should not have the option.
		5. DBG15050482 Cannot find select all button
		6. DBG15050472 For managed AP,5G and 2.4G display should reverse in "RF
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	scan" page for 8610 AP
	7. DBG15050478 unable to set more than 16 characters in the user name
	for PPPOE setting when using Wizard to setup PPPOE.
	8. DBG15050477 Can't type "@" and "." when we choose PPPoE connection
	type in "internet connection wizard".
	9. DBG15050485 display incorrect info on Managed AP page
	10. DBG15050489 Wireless switch task dead
	11. DBG12050169 DWC WEB GUI logout after some time operation (random
	only), need to login again to use.
	12. DBG15050416 firmware download behavior in DWC-1k must be changed
	13. DBG13120227 Managed AP status radio details must be properly
	displayed for 8610 AP
	<ol> <li>DBG13120226 The 5Ghz radio shall display 802.11a/n/ac supported in Default profile.</li> </ol>
	15. Ap profile radio mode page description is showing wrong for Radio 1 and Radio 2 operate modes
	16. Unable to change Country code to BR
	17. Captive Portal redirect feature does not works on mobile device
	18. LAN leased clients entries are flushed if we add new VLAN in the device in
	DWC1000
	19. Syslog: Client Association/Roaming/Disassociation logs not showing the location information
	20. Channel information is incorrect on Managed AP page in DWC1000
	21. Tablet(or IPAD) and cell phone does not display correct captive portal page in DWC1000
	22. Issues with WLAN visualization page in DWC-1000
	23. Unable to configure the limits for bandwidth in option gos page
	24. Support for SNMP QoS Differentiated Services in DWC-1000
	25. Need to add more IP address(1024) list at the L3 discover page for
	DWC-1000
	26. Unable to obtain all OIDs in MIB browser on performing walk operation
	1. 49916 P1 Observed critical error after STA pass captive portal Login in
	IE11 browser(DWC-1000)
	2. 50003 P1 DHCP server in vlan is not responding when configured relay on
4.4.1.1_WW 4.4.1.1_RU	another vlan (4.4.0.2_B401)
4.4.1.1_KU	3. 50169 P1 Unable to upgrade firmware to 8610-AP from DWC-1000
	(4.4.0.2_B401)
	4. 50333 P1 Unable to see the channel suggestion for 5 ghz (4.4.0.2_B402)
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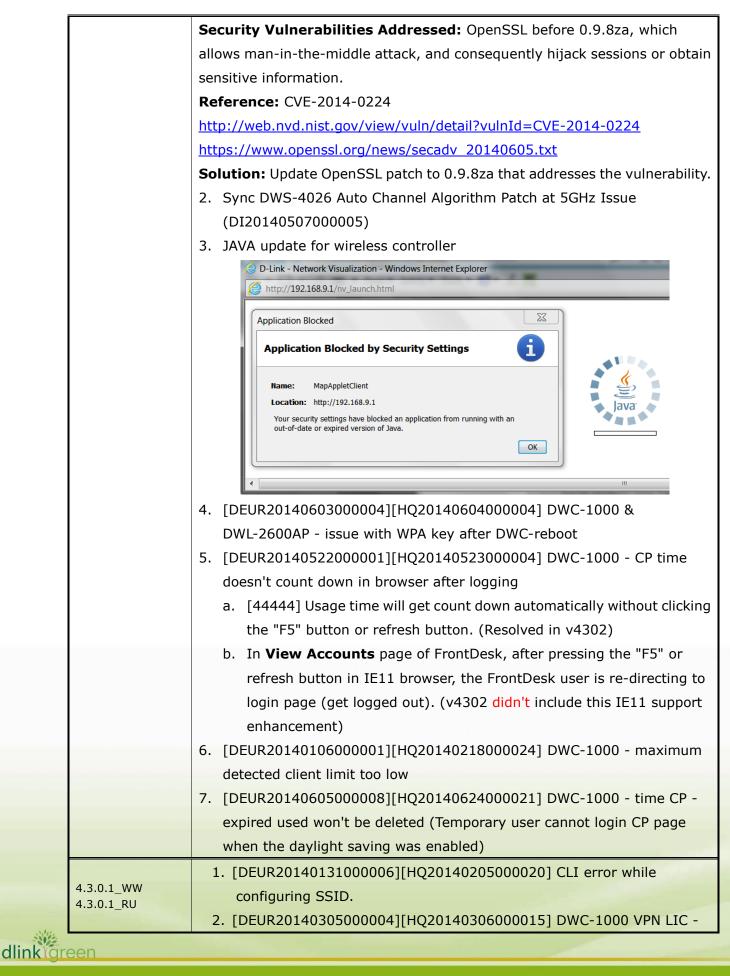
	5. 50356 P1 Need to add DWL-6610 AP support in DWC-1000 device
	(4.4.0.2_B401)
	6. 50392 P1 Unable to push the radius server details to DWL-6600 AP from
	DWC-1000 device (4.4.0.2_B401)
	7. 50524 P1 The DWL-6700 did not support WEP encryption (4.4.0.2_B402)
	8. 50596 P1 Hardware Name is wrong for DWL-8610 ap in DWC-1000 device
	(4.4.0.2_B501)
	9. 51080 P1 Need to apply changes for vulnerability CVE-2015-0291 /
	CVE-2015-0204. (4.4.0.2_B501)
	10. 51258 P1 Java applet should load with latest java versions in B1
	Hardware
	11. 51263 P1 Wlan visualization should work similar to 4.3.0.1 image for A1 hardware
	12.51331 P1 HQ20141104000020 Not able to perform trace route or ping
	functionality of ipV6 addresses from diagnostics page
	13.51344 P1 HQ20150119000014 Radio mode is saving as 802.11b/g in AP
	Profile Radio page when we save it as 802.11b
	14. 51348 P1 HQ20141128000005 Observed Status of Physical mode in RF
	scan page is not showing properly in DWC-1000 using DWL-8610AP
	1. 50596 P1 HQ20150401000014 The HW type naming issue of
	DWL-8610AP
4.4.0.2_B501_WW 4.4.0.2_B501_RU	2. 47777 P1 HQ20140804000014 Intermediate
	Restart[DRU20140730000001-Middle East]
	3. 51080 P1 N/AOpen SSL Vulnerability patches
	1. 50333 P1 DBG15030267 Auto-channel function not work in
	the DWC-1000 with the fixed time setting
4.4.0.2_B402_WW	1. 50333 P1 HQ20150127000021
4.4.0.2_B402_RU	Auto Channel in 5G not work properly [DUSA20150122000002-USA]
	2. 50524 P1 DBG15030277 The DWL-6700 did not support WEP
	encryption, but controller has the option
	1. 50169 P1 HQ20150305000004 DWC-1000 - error by updating
	APs[DEUR20150304000004-Central Europe]
	2. 50003 P1 HQ20141209000011 SHCP server stopped
4.4.0.2_B401_WW 4.4.0.2_B401_RU	working[DEUR20141021000006-Eastern Europe]
	3. 50356 P1 N/ANeed to add DWL-6610 AP support in DWC-1000 device
	4. 50392 P1 N/AUnable to push the radius server details to DWL-6600 AP
	from DWC-1000 device





	1. [DUSA20141119000004][HQ20141121000004] Display error of Controlle
	MAC Address on AP Details
	2. [DEUR20150130000005][HQ20150202000005] DWC-1000 - scheduler
	3. [DI20150211000005][HQ20150212000006] DHCP server for each VLAN
	4. [HQ20150210000018] Incorrect usage-left info shown in the log-out we
4.4.0.2_B301_WW 4.4.0.2_B301_RU	page
	5. Trap Log Enhancement. To sync the Log behavior from DWS-4026 for DJ
	SPEC: SNR-20141118-001
	6. ACA diff_91 (auto channel algorithm)
	DWS-4026 DTrack case: DEUR20140918000007/HQ20140919000018
	FW: DWS-4026_4.3.0.3_B016
4.4.0.2 4.4.0.2	N/A
	1. [DLA20140829000002][HQ20140829000007] Problem with vlan
4.3.0.2_B401_WW	2. [DEUR20141024000002][HQ20141027000007] DWC-1000 - becomes
4.3.0.2_B401_RU	unresponsible
	3. DBG14080374
	1. [DEUR20140912000008][HQ20140915000017] DWC-1000 VPN LIC -
	Auto-Rollover OPT 1 - 2 DDNS not updated
	2. OpenSSL vulnerability (CVE-2014-3566)
	Security Vulnerabilities Addressed: OpenSSL before 0.9.8za, which allows
	man-in-the-middle attack, and consequently hijack sessions or obtain
	sensitive information.
4.3.0.2_B305_WW 4.3.0.2_B305_RU	Reference: CVE-2014-3566
T.J.U.Z_DJUJ_KU	http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-3566
	Solution: For the fix for this vulnerability issue, we did not upgrade OpenSSI
	Rather we selectively merged the required changes to resolve the issue inter-
	the current OpenSSL version 0.9.8za.
	3. [DEUR20141110000005][HQ20141111000010] DWC-1000 & DWL-8610 -
	no 80 MHz choosable for country CH
	1. [DEUR20140722000001][HQ20140724000011] DWC-1000 - expiration
	time in Frontdesk
	2. [DEUR20140722000002][HQ20140729000005] automatic reboot
4.3.0.2_B101_WW 4.3.0.2_B101_RU	(Schedule Reboot)
4.3.0.2_D101_K0	3. [DEUR20140605000008][HQ20140624000021] Temp CP Expiration
	Issue (not gateway, it failed when using the config file from OBU,
	SPR#46076)
4.3.0.2_WW 4.3.0.2_RU	1. OpenSSL CCS Injection vulnerability (man-in-the-middle attack)
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# **D-Link** Unified Controller Firmware Release Notes

	issue with upload at german eMail provider (gmx.de/gmx.net)
	3. [DRU20140430000002][HQ20140507000013] Problem with the Epson
	1945W projector (Issue resolved: Cannot upgrade firmware for 2600AP
	via DWC-1000)
	4. Memory leak issue (Spontaneously reboot every 2.5 - 3 hours, or
	sometimes reboot randomly)
	1. [DUSA20140204000002][HQ20140219000015] Unacceptable Download
	Speeds Using the DWL-2600AP Controlled by the DWC-1000.
4.2.0.6_B303_WW	2. Security Vulnerabilities Addressed: Null byte injection attack in URL.
4.2.0.6_B303_RU	Reference: <a href="http://www.ultsec.com/null-byte-attack.php">http://www.ultsec.com/null-byte-attack.php</a>
	Solution: Avoid parsing the null byte in URL and send back that requested
	URL is not there.
	1. [DEUR20140117000008][HQ20140120000016] DWC-1000 - password
	issue.
	Security Vulnerabilities Addressed: Using the character "\$" in the login
	password causes the password to get truncated to only the characters prior to
	it, potentially shortening and simplifying the original password. This only
	affects the CLI login, Web login is not affected and can accept the " $\$''$
	character in the password login.
4.2.0.6_B201_WW	Reference: N/A
4.2.0.6_B201_RU	<b>Solution:</b> Fixed CLI login to recognize the "\$" character properly.
	2. [DI20130821000001][HQ20130823000011] Cannot configure RADIUS
	Accounting.
	3. [DRU20140116000005][HQ20140114000010] Fail to use 5G channel on
	country code in Russia.
	4. [DEUR20140131000006][HQ20140205000020] CLI error while
	configuring SSID.
	1. [DI20130404000005][HQ20130408000025] CLI issue and request.
	2. [DI20130405000001][HQ20130408000014] RADIUS Use Network
	Configuration cannot be disabled in CLI.
	3. [DI20130327000006][HQ20130328000003] The maximum number of AP
4.2.0.6_WW	can be registered into local valid DB.
4.2.0.6_RU	4. [DI20130108000020][HQ20130109000007] Internet Throughput
	(PPPoE).
	5. [DEUR20130426000003][HQ20130426000017] SNAT Issue.
	6. HTTP 500 Error
	a. [DRU2013070800006][HQ20130709000013]
roop	
green	







	b. [DI20130409000001][HQ20130409000009] Peer Controller
	Configuration Request does not start.
	22. Temporary Account Enhancement
	a. [DEUR20130410000003][HQ20130411000011] captive portal, billing
	(an existing ticket cannot be deleted)
	b. [DEUR20130611000003] DWC-1000 – How to delete CP temporary user
	c. [DEUR20130424000010][HQ20130425000002] DWC-1000 - CP with
	Ticketing - How to log CP users?
	23. [HQ20130812000006] billing account users are not getting expired.
	24. [DEUR20130715000001][HQ20130715000008] DWC-1000 - CP with
	POP3 auth not working.
	25. [HQ20130708000010] The DWC Generated the wrong number of billing
	users account.
	26. [DI20130716000001][HQ20130716000019] Full tunnel failed on DWC
	with DSR
	27. [DEUR20130613000007][HQ20130805000004] DWC-1000 - CP issue
	with guest users.
	28. [DUSA20130608000002][HQ20130621000018] Captive Portal (Page
	does not refresh and redirect).
	29. [DEUR20130430000005][HQ20130502000010] Customized CP doesn't
	work with mobile devices.
	30. [DEUR20130708000003][HQ20130730000015] DWC-1000 - Cluster
	problems.
	31. [DRU20130718000003][HQ20130723000010] DWC-1000: DHCP relay
	issue.
	32. [DEUR20130912000005][HQ20130913000006] multiple subnets show.
	33. [DEUR20130213000002][HQ20130218000031] DWC-1000 & ALL APs -
	several issues with Peering.
	34. Vulnerability reported by DEU ( <u>nu11.nu11@yahoo.com</u> 2013-08-18)
	Network access to the router ports 443 and 23.
	Security Vulnerabilities Addressed: Devices respond clients some
	unnecessary information, and hence give hackers a chance to get a
	non-persistent root shell.
	Reference: CVE-2013-5945, CVE-2013-5946
	http://packetstormsecurity.com/files/124319/D-Link-DSR-Router-Remote
	-Root-Shell-Overview.html
	http://dl.packetstormsecurity.net/1312-advisories/dlinkdsrrouter-writeup.
Alte	txt
dlinklareen	

http://web.nvd.nist.gov/view/vuln/search-results?query=Dlink&search_ty
pe=all&cves=on
Solution: Remove all unnecessary root user account
35. [DEUR20130906000003][HQ20130909000005] DWC-1000 - PPTP
Routing similar to case DEUR20120814000019
36. [HQ20131001000009] "show system dashboard" command in CLI is not
showing up with any value, until we go the status general page in GUI
37. [DRU2013062000009][HQ20130621000008] DWC-1000: Country code
and 802.11n issue
38. [DI20130902000002][HQ20131204000011] Created time of temporary
user is showing GMT time only after changing GMT + local time also

## Known Issues:

Firmware	Known Issues
Version	
	4.6.1.1_WW
	1. DBG17050232 DWC-1k_diffServ_behavior for adding ANY in diffServ
	Class should be the issue (SPR-54624).
	2. DBG17040350 DWC-1k_IP-ACL_Can setup the IP ACL Rule for ICMP
	with port value. (SPR 56413)
	3. DBG17050299 Extended bug found during the test of "SPR#55342",
	DUT is using LAN-IP address as source address for Radius authentication
	while we put the Radius server on Option1 network.
	4. DBG17050120 Facebook WiFi is not workclient will be presented a
	404 error page. (incomplete FB login page)
4.7.0.1_WW	DWC-1000 A1/B1 v4602 port scan issues
	1. DBG17040238 DWC-1k_Security-hole_TCP-Fin port scan failed for port
	520 in special situation.
	2. DBG17040199 DWC-1k_Security-hole_http access with the Password in
	plain-text.
	3. DBG17040208 DWC-1k_Security-hole_https certificate be the same
	even after reset.
	DWC-1000 C1 v4603 port scan issues
	1. DBG17070548 The http login password is plaintext
	2. DBG17070588 [DBG16110376]_D-Lab_2016_11_C1_Unable to add 625 users from csv only 624 are added SPR #61819



	1. DBG17050120 Facebook WiFi is not workclient will be presented a
	404 error page.
	2. DBG17050232 DWC-1k_diffServ_behavior for adding ANY in diffServ
	Class should be the issue (SPR-54624).
	3. DBG17040350 DWC-1k_IP-ACL_Can setup the IP ACL Rule for ICMP
	with port value.
	4. DBG17050299 Extended bug found during the test of "SPR#55342",
	DUT is using LAN-IP address as source address for Radius authentication
	while we put the Radius server on Option1 network.
	DWC-1000 A1/B1 v4602 port scan issues
	1. DBG17040238 DWC-1k_Security-hole_TCP-Fin port scan failed for port
	520 in special situation.
	2. DBG17040199 DWC-1k_Security-hole_http access with the Password in
4.6.1.1_WW	plain-text.
	3. DBG17040208 DWC-1k_Security-hole_https certificate be the same
	even after reset.
	4. DBG17050385 Multiple ports are staying at "open" or "closed" status.
	DWC-1000 C1 v4603 port scan issues
	1. DBG17070546 scan port 520 at "Closed" status.
	2. DBG17070605 UDP port scan some port at "Closed" status.
	3. DBG17070548 The http login password is plaintext
	4. DBG17070547 TCP-Syn scan have port response "open" and "Closed"
	status.
	5. DBG17070588 [DBG16110376]_D-Lab_2016_11_C1_Unable to add
	625 users from csv only 624 are added
	6. DBG17100053 HTTPS brute force attack prevention failure
	(SPR#61917)

# **Related Documentation:**

- DWC-1000 User Manual ver. 3.12
- DWC-1000 CLI Reference Guide ver. 1.01