Firmware Version: 4.5.0.5_WW

Published Date: 2017-02-23

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Content:

Revision History and System Requirement:

Firmware Version	Date	Model Hardware	History
4.5.0.5_WW	23 Feb 2017	DWC-1000 C1	*Initial release for C1*
4.4.1.2_WW 4.4.1.2_RU	20 Nov 2015	DWC-1000 A1/B1	1. *User Manual ver. 3.12* 2. *Correct typo*
4.4.1.2_WW 4.4.1.2_RU	08 Sept 2015	DWC-1000 A1/B1	3. New GUI firmware 4. On top of FW v4.4.1.1 5. Bug fix 6. Update new feature field on 4.4.1.2/4.4.1.1/4.4.0.2. 7. Update problem fixed items on 4.4.0.2_B301 field.
4.4.1.1_WW 4.4.1.1_RU	22 May 2015	DWC-1000 A1/B1	1. New GUI firmware 2. On top of FW v4.4.0.2_B501
4.4.0.2_B301_WW 4.4.0.2_B301_RU	13 Mar 2015	DWC-1000 A1/B1	1. Bug fix
4.4.0.2 4.4.0.2	02 Mar 2015	DWC-1000 A1/B1	1. Bug fix
4.3.0.2_B401_WW 4.3.0.2_B401_RU	03 Dec 2014	DWC-1000 A1/B1	1. Bug fix
4.3.0.2_B305_WW 4.3.0.2_B305_RU	25 Nov 2014	DWC-1000 A1/B1	1. Bug fix 2. Security Vulnerability Addressed OpenSSL vulnerability (CVE-2014-3566)
4.3.0.2_B203_WW 4.3.0.2_B203_RU	05 Nov 2014	DWC-1000 A1/B1	1. DWC-1000 and DWC-2000 are **not** vulnerable to SRTP Memory Leak (CVE-2014-3513).
4.3.0.2_B101_WW 4.3.0.2_B101_RU	11 Sept 2014	DWC-1000 A1/B1	N/A
4.3.0.2_WW 4.3.0.2_RU	12 Aug 2014	DWC-1000 A1/B1	1. Security Vulnerability Addressed OpenSSL vulnerability (CVE-2014-0224)
4.3.0.1_WW 4.3.0.1_RU	17 July 2014	DWC-1000 A1/B1	1. New AP support 2. Bug fix 3. Based on 4.2.0.6_B501
4.2.0.6_WW_B303 4.2.0.6_RU_B303	11 Apr 2014	DWC-1000 A1	1. DUSA20140204000002 2. Security Vulnerability Addressed
4.2.0.6_WW_B201 4.2.0.6_RU_B201	11 Mar 2014	DWC-1000 A1/B1	1. Bug fix 2. Security Vulnerability Addressed
4.2.0.6_WW 4.2.0.6_RU	03 Mar 2014	DWC-1000 A1/B1	1. Add firmware MD5 checksum info 2. Update "Important Notes" 3. Update "Notes for Configuration Auto-Backup/Restore in USB Storage"
4.2.0.6_WW 4.2.0.6_RU	30 Dec 2013	DWC-1000 A1/B1	1. Security Vulnerability Addressed

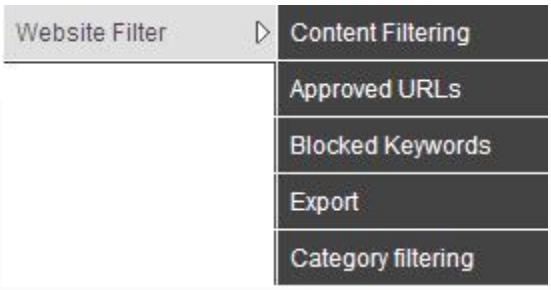
4.2.0.3_WW 4.2.0.3_RU	27 June 2013	DWC-1000 A1	1. Update Known Issue
4.2.0.3_WW 4.2.0.3_RU	1 Apr 2013	DWC-1000 A1	1. Security Vulnerability Addressed
4.1.0.2_10222W 4.1.0.2_10222R	22 May 2012	DWC-1000 A1	
4.1.0.2_10204W 4.1.0.2_10204R	1 Feb 2012	DWC-1000 A1	
1.01B67_WW 1.01B67_RU	26 Dec 2011	DWC-1000 A1	

Firmware Details:

Image Version	HW	MD5 Checksum
DWC-1000_C1_FW4.5.0.5_WW	C1	42afe7c71de83d23a858657ac732adfb

Important Notes:

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→WW or WW→RU image.
2. Below are new functions and will be available after upgrading FW to v4.2.0.3 or later.

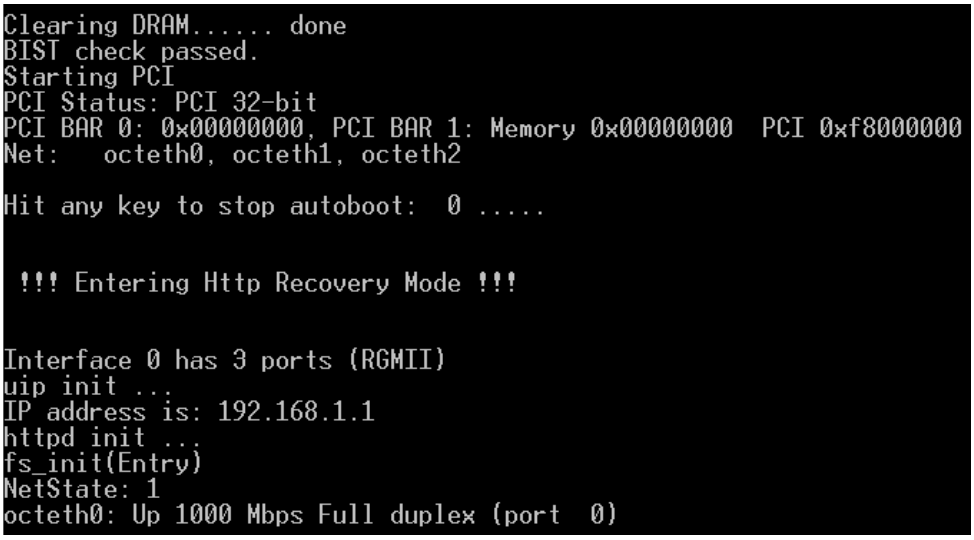


Website Filter feature (Content Filtering/ Approved URLs/ Blocked Keywords/ Export) needs DWC-1000-VPN/ DWC-1000-VPN-LIC license upgrade.

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.
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.

5. GNU/Linux Bash Shell vulnerability (CVE-2014-6271)

We have evaluated this vulnerability. DWC-1000 and DWC-2000 are **not** vulnerable to this since these devices do not expose the shell interface through CLI nor WEB interface (including CGI).

Reference website:

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

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.

1. 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.

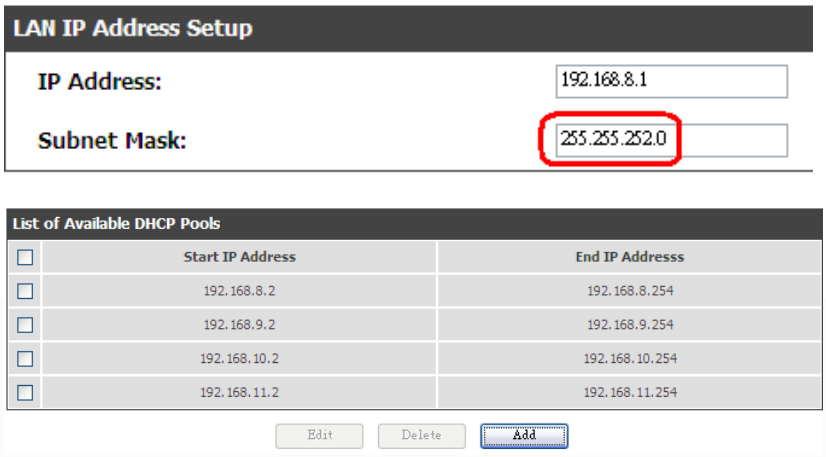
Upgrading Instructions:

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

4.5.0.5_WW	Initial release for DWC-1000 C1 revision.
4.4.1.2_WW 4.4.1.2_RU	New GUI style.
4.4.1.1_WW 4.4.1.1_RU	1. New GUI style. 2. DWL-6610AP support (DWL-6610_FW_v_4.3.0.2_B042.tar or later version) 3. WDS-managed AP feature for 6610AP is not ready yet 4. [HQ20141204000016] WLAN visualization issues--**Not** 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
4.4.0.2_WW 4.4.0.2_RU	1. Maximum Clients 30 as default 2. Update Russia Time Zone 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
4.3.0.2_B101_WW 4.3.0.2_B101_RU	1. Increase the DHCP IP leasing scope (/22, 255.255.252.0) Example: WEB GUI  Example: Setting LAN IP and DHCP server via CLI command ********** D-Link DWC> net lan ipv4 configure net-config[lan-ipv4]> static address 192.168.8.1 net-config[lan-ipv4]> static subnet_mask 255.255.252.0 net-config[lan-ipv4]> save net-config[lan-ipv4]> .top

	D-Link DWC> D-Link DWC> net dhcp-pool-config add net-config[pool-config]> vlanid 1 net-config[pool-config]> start_address 192.168.8.2 net-config[pool-config]> end_address 192.168.8.254 net-config[pool-config]> save net-config[pool-config]> vlanid 1 net-config[pool-config]> start_address 192.168.9.2 net-config[pool-config]> end_address 192.168.9.254 net-config[pool-config]> save net-config[pool-config]> vlanid 1 net-config[pool-config]> start_address 192.168.10.2 net-config[pool-config]> end_address 192.168.10.254 net-config[pool-config]> save net-config[pool-config]> vlanid 1 net-config[pool-config]> start_address 192.168.11.2 net-config[pool-config]> end_address 192.168.11.254 net-config[pool-config]> save 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

****

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

<table>
<tr><td></td><td>
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
_____ _____ _____ _____
1 admin ADMIN Enabled (LAN) Enabled (OPTION)
2 guest GUEST Disabled (LAN) Disabled (OPTION)
D-Link DWC>
****
a. Delete via User Name: “system users delete_user fatman”
b. Delete via ROW ID “system users delete 3”
</td></tr>
<tr><td>4.3.0.2_WW
4.3.0.2_RU</td><td>N/A</td></tr>
<tr><td>4.3.0.1_WW
4.3.0.1_RU</td><td>
1. DWL-8610AP Support (DWL-8610_FW_v_4.3.0.2_B016)
2. Delete/deactivate licenses via CLI command
****
D-Link DWC> license clear
****
3. The Max AP database number is 4 times of Max Managed AP number supported on DWC-1000.
<table>
<tr><td>AP license</td><td>Default</td><td>AP6 x 1</td><td>AP6 x 2</td><td>AP6 x 3</td></tr>
<tr><td>Max AP database</td><td>24</td><td>48</td><td>72</td><td>96</td></tr>
<tr><td>Max Managed AP</td><td>6</td><td>12</td><td>18</td><td>24</td></tr>
</table>
</td></tr>
<tr><td>4.2.0.6_B303_WW
4.2.0.6_B303_RU</td><td>N/A</td></tr>
<tr><td>4.2.0.6_B201_WW
4.2.0.6_B201_RU</td><td>N/A</td></tr>
</table>

4.2.0.6_WW 4.2.0.6_RU	N/A
4.2.0.3_WW 4.2.0.3_RU	1. Captive Portal enhancements 2. WCF with License support 3. WLAN Wizard enhancements 4. VPN Failover support 5. DWL-2600AP support 6. WLAN Visualization enhancements 7. Additional Authentication Mechanisms 8. Hotspot support 9. WDS support
4.1.0.2_10222W 4.1.0.2_10222R	1. Add Auto Refresh check box on AP monitoring pages. 2. In Valid AP page Radio section Automatic power drop down section 0 should be replaced by Profile
4.1.0.2_10204W 4.1.0.2_10204R	1. Integrated WLAN module v 4.1.0.2 2. Compatible with DWL-8600AP, DWL-6600AP and DWL-3600AP firmware v 4.1.0.x. 3. Compatible with DWL-8600AP firmware v 3.x.x.x for AP discovery and firmware upgrade 4. Advanced VLAN, includes MAC VLAN, Protocol VLAN, Voice VLAN, Double VLAN, and GVRP 5. Advanced QoS, includes Policy-based LAN QoS, Port Shaping Rate, Flow Control, and Auto VoIP 6. Customized captive portal page on WLAN Captive Portal 7. MIB support (Firmware Upgrade, Configuration Backup, Configuration restore and system properties) 8. RADIUS server integration for PAP and CHAP
1.01B67_WW 1.01B67_RU	This version compatible with DWL-8600AP firmware v4.1.x.x.

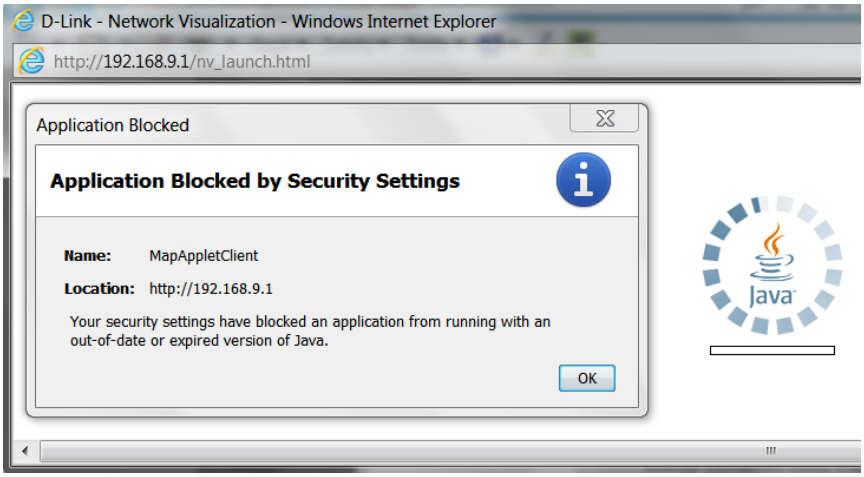
Problems Fixed:

Firmware Version	Problems Fixed
4.5.0.5_WW	Initial release for DWC-1000 C1 revision.
4.4.1.2	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. 3. DBG15050481 Reboot message incorrect

	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 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 14. DBG13120226 The 5Ghz radio shall display 802.11a/n/ac supported in Default profile. 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 qos 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
4.4.1.1	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

	another vlan (4.4.0.2_B401) 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) 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
4.4.0.2_B501_WW 4.4.0.2_B501_RU	1. 50596 P1 HQ20150401000014 The HW type naming issue of DWL-8610AP 2. 47777 P1 HQ20140804000014 Intermediate Restart[DRU20140730000001-Middle East] 3. 51080 P1 N/A Open SSL Vulnerability patches
4.4.0.2_B402_WW 4.4.0.2_B402_RU	1. 50333 P1 DBG15030267 Auto-channel function not work in the DWC-1000 with the fixed time setting 3. 50333 P1 HQ20150127000021 Auto Channel in 5G not work properly [DUSA20150122000002-USA] 4. 50524 P1 DBG15030277 The DWL-6700 did not support WEP encryption, but controller has the option
4.4.0.2_B401_WW 4.4.0.2_B401_RU	1. 50169 P1 HQ20150305000004 DWC-1000 - error by updating APs[DEUR20150304000004-Central Europe] 2. 50003 P1 HQ20141209000011 SHCP server stopped

	working[DEUR20141021000006-Eastern Europe] 3. 50356 P1 N/A Need to add DWL-6610 AP support in DWC-1000 device 4. 50392 P1 N/A Unable to push the radius server details to DWL-6600 AP from DWC-1000 device
4.4.0.2_B301_WW 4.4.0.2_B301_RU	1. [DUSA20141119000004][HQ20141121000004] Display error of Controller 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 web page 5. Trap Log Enhancement. To sync the Log behavior from DWS-4026 for DJP 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
4.3.0.2_B401_WW 4.3.0.2_B401_RU	1. [DLA20140829000002][HQ20140829000007] Problem with vlan 2. [DEUR20141024000002][HQ20141027000007] DWC-1000 - becomes unresponsible 3. DBG14080374
4.3.0.2_B305_WW 4.3.0.2_B305_RU	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. Reference: CVE-2014-3566 http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-3566 Solution: For the fix for this vulnerability issue, we did not upgrade OpenSSL. Rather we selectively merged the required changes to resolve the issue into the current OpenSSL version 0.9.8za. 3. [DEUR20141110000005][HQ20141111000010] DWC-1000 & DWL-8610 - no 80 MHz choosable for country CH
4.3.0.2_B101_WW 4.3.0.2_B101_RU	1. [DEUR20140722000001][HQ20140724000011] DWC-1000 - expiration time in Frontdesk 2. [DEUR20140722000002][HQ20140729000005] automatic reboot (Schedule Reboot)

	5. [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) **Security Vulnerabilities Addressed:** OpenSSL before 0.9.8za, which allows man-in-the-middle attack, and consequently hijack sessions or obtain sensitive information. **Reference:** CVE-2014-0224 http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-0224 https://www.openssl.org/news/secadv_20140605.txt **Solution:** Update OpenSSL patch to 0.9.8za that addresses the vulnerability. 2. Sync DWS-4026 Auto Channel Algorithm Patch at 5GHz Issue (DI20140507000005) 3. JAVA update for wireless controller  4. [DEUR20140603000004][HQ20140604000004] DWC-1000 & DWL-2600AP - issue with WPA key after DWC-reboot 5. [DEUR20140522000001][HQ20140523000004] DWC-1000 - CP time doesn't count down in browser after logging a. [44444] Usage time will get count down automatically without clicking the "F5" button or refresh button. (Resolved in v4302) b. In **View Accounts** page of FrontDesk, after pressing the "F5" or refresh button in IE11 browser, the FrontDesk user is re-directing to login page (get logged out). (v4302 didn't include this IE11 support enhancement) 6. [DEUR20140106000001][HQ20140218000024] DWC-1000 - maximum detected client limit too low 7. [DEUR20140605000008][HQ20140624000021] DWC-1000 - time CP - expired used won't be deleted (Temporary user cannot login CP page

	when the daylight saving was enabled)
4.3.0.1_WW 4.3.0.1_RU	1. [DEUR20140131000006][HQ20140205000020] CLI error while configuring SSID. 2. [DEUR20140305000004][HQ20140306000015] DWC-1000 VPN LIC - 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)
4.2.0.6_B303_WW 4.2.0.6_B303_RU	1. [DUSA20140204000002][HQ20140219000015] Unacceptable Download Speeds Using the DWL-2600AP Controlled by the DWC-1000. 2. **Security Vulnerabilities Addressed:** Null byte injection attack in URL. **Reference:** http://www.ultsec.com/null-byte-attack.php **Solution:** Avoid parsing the null byte in URL and send back that requested URL is not there.
4.2.0.6_B201_WW 4.2.0.6_B201_RU	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. **Reference:** N/A **Solution:** 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.
4.2.0.6_WW 4.2.0.6_RU	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 can be registered into local valid DB. 4. [DI20130108000020][HQ20130109000007] Internet Throughput

	(PPPoE). 5. [DEUR20130426000003][HQ20130426000017] SNAT Issue. 6. HTTP 500 Error a. [DRU20130708000006][HQ20130709000013] b. [DEUR20130708000003][HQ20130730000015] c. [DI1208120001] 7. [DEUR20130410000003][HQ20130411000011] captive portal, billing. 8. [DEUR20130412000004][HQ20130424000016] DWC-1000 LDAP, DSR-1000N PPTP. 9. LDAP Issue a. [DEUR20130412000004][HQ20130424000016] DWC-1000 LDAP, DSR-1000N PPTP b. [DEUR20130528000001][HQ20130530000017] DWC-1000 - CP with AD LDAP integration c. [DEUR20130523000012][HQ20130530000014] LDAP doesn't work 10. [38483][DEUR20130531000007][HQ20130603000006] DWC-1000 -NT-Domain & AD integration. 11. [DI20130329000002][HQ20130401000007] Do not support 802.11an or 802.11bgn for country code KR. 12. [DEUR20130507000003][HQ20130510000004] create corrupted config file – doesn't save config. 13. [DI1208120001] SNMP Trap Enhancement (P-Force/Ilya Narodetsky). 14. [DI20130404000001][HQ20130408000013] Warning displays by command to add RADIUS. 15. [DI1208120001][HQ20130508000011] No Response on SNMP Query issue, workaround is to configure "Syscontact" and "SysLocation" fields and DWC-1000 will start passing SNMP query. (P-Force/Ilya Narodetsky). 16. [DRU20130620000005][HQ20130621000011] WDS Status & notifications. 17. [DEUR20130621000009][HQ20130624000009] Hotspot mode kernel panic. Maximum Local Database Users: 400 Maximum Billing Profile Users: 256 18. [HQ20130702000010] Continuous case for DWC LDAP server checks issue. 19. [DEUR20130621000007][HQ20130624000005] DWC1000 - remote logging via eMail. 20. [DEUR20130722000010][HQ20130802000002] WLAN Visualization

	doesn't work. 21. Browser issue a. [DEUR20130523000001][HQ20130409000009] AP profile applying with IE10 and Chrome. 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 (nu11.nu11@yahoo.com 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.txt http://web.nvd.nist.gov/view/vuln/search-results?query=Dlink&search_type=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. [DRU20130620000009][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 Version	Known Issues
4.5.0.5_WW	N/A
4.4.1.2_WW 4.4.1.2_RU 4.4.1.1_WW 4.4.1.1_RU	1. 48420 P1 [HQ20150203000014] DWC-2000 Payment Gateway - doesn't show Purchase frame in Captive Portal Login Page 2. P3 [HQ20141204000016]WLAN visualization issues--Not supported for A1 hardware for current image 3. 25281 P2 When IPv6 WAN is configured as static, router is not configuring IP using prefix advertisement(RADVD) from WAN host 4. 26779 P2 'Ap failure status Time out' is not working. 5. 26863 P2 User cannot establish IPSEC VPN tunnel with PFS key "DH-GROUP 17" and "DH-GROUP 18" 6. 26866 P2 Device is not detecting the AD-HOC clients present in its environment. 7. 27677 P3 Device is not authenticating and exchanging routes using second key parameters if first key parameters mismatch in RIP2B/2M 8. 27732 P2 radvd managed flag option use case 9. 27777 P2 The 'other' flag functionality is not working in radvd page 10. 27802 P3 Not possible to configure port speed for option1 from CLI and

	CLI has commands for LAN port speed also 11. 30052 P3 Device is accepting same subnet for default LAN, VLAN and WAN 12. 30385 P2 PPTP/L2TP client is not getting connected for PPTP/L2TP user with password configured as special characters 13. 30617 P2 There are no fields to configure the client QOS in ssidconfiguration page. 14. 30638 P2 Transparent mode functionality is not working. 15. 35644 P3 [cli]PPTP server/client UserTimeOut Command form CLI is not working properly. 16. 35698 P3 There is no help content for Bandwidth usage and Used applications in DASHBOARD page 17. 35734 P3 logs related to printer are not getting in the GUI and Console 18. 35763 P3 [CLI]Device Accepting 24 characters for sha2-224 integrity algorithm in manual gw policy where as in gui device accepting 28. 19. 35837 P2 Functionality of POLICY BASED LAN QoS policy not working when the profile type is destination UDP port number 20. 35896 P2 Unable to run traffic from device lan/vlan to Access server lan when wan is operating on load balancing. 21. 36684 P2 Unable to establish WDS link if one of the AP is selected as DWL2600 as the configured channel is changing continuously. 22. 38589 P3 UPnP functionality is not working after LAN and WAN restart. 23. 38933 P3 SNMP community field is accepting special characters 24. 40754 P3 No Neighbour APs scanned by 8610 are visible in the device. 25. 40866 P2 Observed that shadow file has the 644 permissions(-rw-r--r--) in shell 26. 40867 P2 Usename and passwords are shown as plaintext in configuration file and db 27. 41190 P2 Temporary users are unable to authenticate even-though account created time and expiry time falls under device time. 28. 41836 P2 Need to support DHCP reserved ip configuration from D-view. 29. 41859 P2 Unable to establish SSLVPN tunnel with java 7 update 51 in linux & windows hosts. 30. 41983 P2 Able to configure the 8610AP to the AP profiile with hardware type as ANY 31. 42023 P3 Need to update the help content for Radio Scheduler supported fields

	32. 42033 P2 [CLI] No Options in CLI to Configure IGMP, WDS Groups 33. 42036 P3 Observed operation succeeded message when user tries to add entry with same mac address in MAC Authentication page 34. 42037 P2 [CLI] No option in CLI to configure Firewall--->Blocked Clients 35. 42100 P2 [CLI] Automatic Channel Option in Radio Page Configured from CLI is not reflecting in GUI 36. 42103 P3 No Validation Check for the WEP Key Length 37. 42109 P2 [CLI] No Option to Change Terms of Service Rules of SLA from CLI 38. 42113 P2 [CLI] The fields in Peer configuration page doesn't match with the CLI. 39. 42117 P2 [CLI] Unable to Delete Mac Authentication Client Entry From CLI 40. 42138 P2 [CLI] SNMP v3 Users List the Authentication Password and PrivacyPassword should be encrypted in CLI 41. 42145 P2 [CLI] No options to upgrade and restore from usb from CLi 42. 42147 P2 [CLI] In CLI there are no options for AP Firmware Download and AP Firmware status 43. 42149 P2 [CLI] Able to Configure NTP Servers with Invalid Domains from Cli 44. 42164 P2 [CLI] Unable to Configure power plan and view status of power plan from CLI. 45. 42179 P2 [CLI] Invalid range for max clients configuration in Distributed Tunnelling in CLI 46. 42185 P1 [CLI] Device is not showing LAN default gateway and host mapping details in CLI 47. 42191 P2 [CLI] Get userdb option is not available in CLI 48. 42193 P2 [CLI] No option to configure List of IPV6 prefix length from CLI 49. 42229 P2 Not able to establish WDS link between 8610 and 8600 Access points. 50. 42265 P2 Need to add support for Multiple user generation from paypal. 51. 42273 P2 Observed that shadow file has the 1151 permissions(-rwxr-xr-x) in shell 52. 42274 P2 Observed password in plain text from the 'teamf1.ascii' file in dbg logs

	53. 42300 P2 User not able to edit the added entry in the WDS AP Link List . 54. 42335 P3 The destination hardware type and destination radio type are showing wrong status in WDS link page. 55. 42338 P3 Able to delete WDS group without deleting WDS managed AP entries and wds link 56. 42412 P2 Device is scanning some channels (other than operating channel) even 'Rf Scan other channels' option is disabled 57. 42420 P2 Unable to receive the payment gateway configuration in peer controller when pushed from cluster controller 58. 42421 P2 Unable to receive the SLA configuration in peer controller when pushed from cluster controller 59. 42425 P2 Dissimilarity between the supported radio channels information provided in 'AP PROFILE RADIO PAGE' and the drop-down list for Radio-1 in 'EDIT CHANNEL/POWER PAGE' 60. 42459 P2 There is no help content for Firmware via USB page. 61. 42469 P2 After changing vlan captive portal from permanent to temporary user, authentication type is not displaying correctly in both GUI and CLI 62. 42562 P2 "show system dashboard" command in cli should show all the options in GUI 63. 42576 P2 User is unable to add traffic selector with match type as port-name from cli. 64. 42586 P2 unable to see captive portal and wireless related logs in cli which are present in gui 65. 42591 P2 [cli]The ip/mac binding rule added from cli is not reflected in gui 66. 42674 P3 Observed kernel panic when configured IPsec policy with phase-1 as aes-128/md5 and phase2 as des/sha-512 and dh-group as group5. 67. 42704 P2 Wireless clients are disconnecting, traffic got stopped after long duration of traffic when clients(64) are connected using IXWLAN 68. 42729 P2 No option to upload and generate RSA certificates through CLI 69. 42846 P3 Device is showing "Operation Failed" message while trying to delete the managed AP profiles. 70. 42876 P2 Device is showing error message as "Operation failed "when user tries to add multiple payment gateways with same Payment

	Receiver Email ID option 71. 42914 P2 User not able to push the wds group configuration from peer to cluster. 72. 42934 P2 Need to add support for the display of active pptp/l2tp users in D-view page. 73. 42937 P2 Device is not showing leased IP address of client when it is connected to roaming AP In distributed tunnelling. 74. 42940 P2 Unable to configure port management option from CLI for option-1. 75. 42944 P2 WIDS classification page shows threat related status when two AP's of same MAC address & same ssid are managed from two different controllers. 76. 42951 P2 Radius accounting functionality is not working, when user configured Accounting Server with domain name. 77. 42953 P2 Unable to establish pptp client tunnel with 40-bit MPPE encryption. 78. 43510 P3 There is no help content for few fields in vlan setting page 79. 43935 P2 There is no option to configure facebook Wi-Fi from CLI. 80. 44187 P2 User is able to add more than the scalable limit in the GUI for DHCP reserved,Port-triggering,Firewall,Ip/mac binding pages in New GUI. 81. 44199 P2 WAN1 ddns configuration is not updating for WAN2 in the gui after rollover to wan2 when wan mode is configured as Auto Rollover. 82. 44204 P2 User is able to delete the resources which are in use by SSL policies 83. 44205 P3 Device is throwing improper error message when user try to add the resource with the existed resource name. 84. 41937 P2 Status of server checking is not displaying until refreshing page 85. 38572 P3 In CLI there are no commands to configure openvpn 86. 41997 P2 Able to add AP profile name with special characters from CLI 87. 42404 P2 No error message displayed while configuring invalid subnet mask through CLI. 88. DBG15080002 The "Select All" button is not functional on discovery page, thus we can't manage all AP in a once. (v4412)
4.4.0.2_B301_WW 4.4.0.2_B301_RU	1. [25560][DBG12050195] "In some web pages (ex AP Profile_Radio), devices does not show 'Operation Successfully' after save settings. 2. [31946][DBG12050169] "DWC WEB GUI still logout after some time

	operation (randomly), needs to login again to use." 3. [24510][DEUR20121022000001][HQ20121023000001] Guest privilege 4. [40950] - Captive portal page not showing forced login page for already login users. 5. [33701] - Able to access corresponding websites if we block Violence / Undesirable, Government Blocking List, Remote Control/Desktop and Crime / Terrorism categories 6. [33603] - User is able to access the blocked sites which are configured in Category filtering page using proxy sites 7. [24340] - SSL tunnel is getting dropped after around 8 minute of continuous traffic.Device Name & Model DLink & DWC 1000 8. [DEUR20140522000001][HQ20140523000004] DWC-1000 - CP time doesn't count down in browser after logging b. In View Accounts page of FrontDesk, after pressing the "F5" or refresh button in IE11 browser, the FrontDesk user is re-directing to login page (get logged out). (v4302 didn't include this IE11 support enhancement) 9. [47747] Radio1 mode is getting into 802.11a/n mode after changing the country code. 10. [47749] Clients status page is not displaying 802.11ac clients.
4.3.0.2_B401_WW 4.3.0.2_B401_RU	1. [47747] Radio1 mode is getting into 802.11a/n mode after changing the country code. 2. [47749] Clients status page is not displaying 802.11ac clients.
4.3.0.2_WW 4.3.0.2_RU	1. [25560][DBG12050195] "In some web pages (ex AP Profile_Radio), devices does not show 'Operation Successfully' after save settings. 2. [31946][DBG12050169] "DWC WEB GUI still logout after some time operation (randomly), needs to login again to use." 3. [24510][DEUR20121022000001][HQ20121023000001] Guest privilege 4. [40950] - Captive portal page not showing forced login page for already login users. 5. [33701] - Able to access corresponding websites if we block Violence / Undesirable, Government Blocking List, Remote Control/Desktop and Crime / Terrorism categories 6. [33603] - User is able to access the blocked sites which are configured in Category filtering page using proxy sites 7. [24340] - SSL tunnel is getting dropped after around 8 minute of

	continuous traffic.Device Name & Model DLink & DWC 1000 8. [DEUR20140522000001][HQ20140523000004] DWC-1000 - CP time doesn't count down in browser after logging b. In View Accounts page of FrontDesk, after pressing the "F5" or refresh button in IE11 browser, the FrontDesk user is re-directing to login page (get logged out). (v4302 didn't include this IE11 support enhancement)
4.3.0.1_WW 4.3.0.1_RU	1. [25560][DBG12050195] "In some web pages (ex AP Profile_Radio), devices does not show 'Operation Successfully' after save settings. 2. [31946][DBG12050169] "DWC WEB GUI still logout after some time operation (randomly), needs to login again to use." 3. [24510][DEUR20121022000001][HQ20121023000001] Guest privilege 4. [40950] - Captive portal page not showing forced login page for already login users. 7. [33701] - Able to access corresponding websites if we block Violence / Undesirable,Government Blocking List,Remote Control/Desktop and Crime / Terrorism categories 8. [33603] - User is able to access the blocked sites which are configured in Category filtering page using proxy sites 9. [24340] - SSL tunnel is getting dropped after around 8 minute of continuous traffic.Device Name & Model DLink & DWC 1000 10. OpenSSL CCS Injection vulnerability (man-in-the-middle attack) **Reference:** CVE-2014-0224 http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-0224 https://www.openssl.org/news/secadv_20140605.txt **Solution:** We will update OpenSSL patch to 0.9.8za that addresses the vulnerability on next hotfix, say DWC-1000_FW_4.3.0.1_B101 or DWC-1000_FW_4.3.0.2.
4.2.0.6_WW 4.2.0.6_RU	1. [25560][DBG12050195] "In some web pages (ex AP Profile_Radio), devices does not show 'Operation Successfully' after save settings. 2. [31946][DBG12050169] "DWC WEB GUI still logout after some time operation (randomly), needs to login again to use." 3. [24510][DEUR20121022000001][HQ20121023000001] Guest privilege 4. RAIUDS Accounting feature issue

Related Documentation:

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