

**Firmware Version:** 4.7.4.2_WW/RU**Published Date:** 2020-07-01

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Revision History and System Requirement:

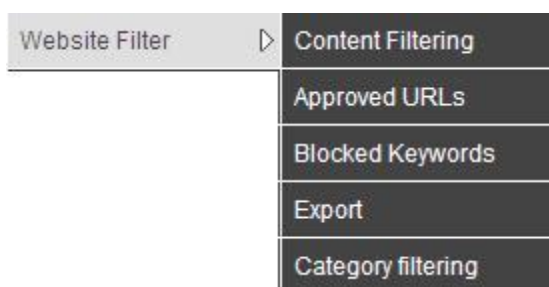
Firmware Version	Date	Model Hardware	History
4.7.4.2_WW 4.7.4.2_RU	01 July 2020	DWC-1000 C1	Support DWL-X8630AP, DWL-8720AP, DWL-6720AP
4.7.3.1_WW 4.7.3.1_RU	18 Dec 2019	DWC-1000 C1	1. Enhancements and bug fixes
4.7.2.2_WW 4.7.2.2_RU	05 Mar 2019	DWC-1000 C1	1. Bug fix
4.7.2.1_WW 4.7.2.1_RU	23 Jan 2019	DWC-1000 C1	1. Enhancements and bug fixes
4.7.1.1_WW 4.7.1.1_RU	20 Aug 2018	DWC-1000 C1	1. Support DWL-8620AP
4.7.0.1_WW	06 July 2018	DWC-1000 C1	<ol style="list-style-type: none"> Support new APs Captive portal optimization Improving stability of controller GUI access (LSH project critical error issue)
4.6.1.1_WW	14 Sept 2017	DWC-1000 A1/B1/C1	<ol style="list-style-type: none"> M2.3 release To fix inconsistency issues among DWC-1000 A1/B1_v4602 and C1_v4603. <p><i>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.</i></p>
4.6.0.3_WW	29 July 2017	DWC-1000 C1	<ol style="list-style-type: none"> No changes, just rename C1 v4601 to C1 v4603. Update known issue list
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 4.4.1.2_RU	20 Nov 2015	DWC-1000 A1/B1	<ol style="list-style-type: none"> User Manual ver. 3.12 Correct typo
4.4.1.2_WW 4.4.1.2_RU	08 Sept 2015	DWC-1000 A1/B1	<ol style="list-style-type: none"> New GUI firmware On top of FW v4.4.1.1 Bug fix Update new feature field on 4.4.1.2/4.4.1.1/4.4.0.2. 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	<ol style="list-style-type: none"> New GUI firmware 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

Firmware Details:

Image Version	HW	MD5 Checksum
DWC-1000_C1_FW4.7.4.2_WW	C1	cb409aa48e4fa6c6a198744454b921d0
DWC-1000_C1_FW4.7.4.2_RU	C1	54cb037eba83c032998ed728bac0becf

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.

```
Clearing DRAM..... done
BIST check passed.
Starting PCI
PCI Status: PCI 32-bit
PCI BAR 0: 0x00000000, PCI BAR 1: Memory 0x00000000 PCI 0xf8000000
Net: octeth0, octeth1, octeth2

Hit any key to stop autoboot: 0 .....

!!! Entering Http Recovery Mode !!!

Interface 0 has 3 ports (RGMII)
uip init ..
IP address is: 192.168.1.1
httpd init ..
fs_init(Entry)
NetState: 1
octeth0: Up 1000 Mbps Full duplex (port 0)
```

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>

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.

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

<p>4.7.4.2_WW 4.7.4.2_RU</p>	<p>1. Support DWL-X8630AP, DWL-8720AP, DWL-6720AP</p>
<p>4.7.3.1_WW 4.7.3.1_RU</p>	<p>1. SLA enhancement 2. SLA Option for CP Permanent User 3. Users per captive portal group: DWC-2000/500, DWC-1000C1/250 & Users generated per billing profile: DWC-2000/1024, DWC-1000C1/512 4. AP Grouping 5. Delete expired users SPR# 64972 (To add manually delete option on GUI) 6. GUI display enhancement 7. Local MAC DB enhancement, Local MAC Auth DB grouping and MAC address masking, Password for MAC Auth 8. Forced Login option and Multi Login number limit 9. CP Sessions page refinement (SPR #65334) 10. Replacing MD5 hash with SHA512 for Authorize.net users 11. Default Password change</p> <p>=====</p> <ul style="list-style-type: none"> • Social login for Google, Line & Weibo (SNR v1.06)* • Need to add support for Maximum clients limit per SSID* <p>Note: New features (*) need changes on AP, it's not supported on all DWL AP formal releases yet, only work with test releases as below.</p> <p>a. DWL-6600AP/3600AP: upgrade_4_2_0_15B003C.tar Link:https://www.dropbox.com/s/kn2bh17utfrck8k/upgrade_4_2_0_15B003C.tar?dl=0 Md5sum: fc5ac52342197123d01621667d53e962</p> <p>b. DWL-8610AP: DWL-8610_FW_v_4.3.0.10B022C.tar Link:https://www.dropbox.com/s/h1rcqukb59ej44g/DWL-8610_FW_v_4.3.0.10B022C.tar?dl=0 md5sum: 956661cb567e1b392a4dfe65445e0206</p> <p>=====</p> <ul style="list-style-type: none"> • WPA3 setup options on DWC (for DWL-X620AP)** • Add LAG and LACP options (for DWL-X620AP)** • DI20190729000005 DJP DWC-2000 There is no WMF setting in the wireless profile (for DWL-X620AP)** <p>Note: New features (**) need changes on AP, it's not supported on all DWL AP formal releases yet, only work with releases as below.</p> <p>c. DWL-8620AP/7620AP/6620APS: v4729 and onwards.</p>
<p>4.7.2.2_WW 4.7.2.2_RU</p>	<p>N/A</p>

<p>4.7.2.1_WW 4.7.2.1_RU</p>	<ol style="list-style-type: none"> 1. MAC-Bypass* 2. FB WiFi enhancement* 3. Default NTP Server proposal (adding tertiary server) 4. GUI enhancements 5. UAP Direct Config (for managed AP)* 6. Navigator <p>=====</p> <p>Note: New features (*) need changes on AP, it's not supported on all DWL AP formal releases yet, only work with test releases as below.</p> <p>d. DWL-6600AP: upgrade_4_2_0_13B014T.tar Link: https://www.dropbox.com/s/7ytz5oztwzn368t/upgrade_4_2_0_13b014t.tar?dl=0 Md5sum: 39d64a1c0cc54fd9f8173a0820dba8d2</p> <p>e. DWL-8610AP: DWL-8610_FW_v_4.3.0.10B019C.tar Link: https://www.dropbox.com/s/zxm5udj61bphi96/DWL-8610_FW_v_4.3.0.10B019C.tar?dl=0 md5sum: a64944b95f546a10b70f4e61816a6980</p>
<p>4.7.1.1_WW 4.7.1.1_RU</p>	<ol style="list-style-type: none"> 1. Support DWL-8620AP
<p>4.7.0.1_WW</p>	<ol style="list-style-type: none"> 1. Support DWL-6620APS and DWL-7620AP 2. Multiple RADIUS server support 3. Isolated SSID profile
<p>4.6.1.1_WW</p>	<ol style="list-style-type: none"> 1. M2.3 release, no new features 2. To fix inconsistency issues among DWC-1000 A1/B1_v4602 and C1_v4603.
<p>4.6.0.2_WW</p>	<p>N/A (Based on A1/B1 v4601)</p>
<p>4.6.0.1_WW</p>	<ol style="list-style-type: none"> 1. Support DWL-3610AP/6610AP_B1 2. Support new license, AP18-LIC 3. Single VLAN setting on WAN 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)
<p>4.4.1.2_B501C</p>	<p>DWL-8710AP support (DWC-1000 A1/B1 FW v4.4.1.2B501C and onwards)</p>
<p>4.4.1.2_WW 4.4.1.2_RU</p>	<p>New GUI style.</p>

4.4.1.1_WW 4.4.1.1_RU	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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

Problems Fixed:

Firmware Version	Problems Fixed
4.7.4.2_WW 4.7.4.2_RU	<ol style="list-style-type: none"> 1. Radio details are not showing properly in the Managed AP List page when we manage more APs. DEUR20190827000006/ HQ20190904000009, SPR#66785 2. Critical error appear in managed AP. DEUR20190826000003/ HQ20190828000006, SPR#66915 3. No option for Channel and Power for 3rd radio. DUSA20191031000001/ HQ20191101000003, SPR#66528 4. DWC-1000/C1 - Config can't be updated to DWC FW 4722. DEUR20191016000003/ HQ20191017000013, SPR#66951 (DWC-1000/C1 only) 5. DWC-1000/C1 - Vlan DHCP default gateway setting is not saved after firmware upgrade. DEUR20191211000006/ HQ20191212000013, SPR #67315 (DWC-1000/C1 only) 6. Make DDP/AP profile is enabled as default, for default AP Profile and new added AP Profile. 7. DBG19120132 Hours Days Service and MB_GB_Service profile name display in billing form page and view temp user account page. (SPR#66845) 8. Fix: SSL/TLS Weak Cipher Algorithm (OnSec-TC-03003001) 9. Problem with IP subnet (DMZ subnet)/ DWC-1000/C1 only SPR#67356 (Hotfix DWC-1000_C1_FW4.7.3.1B402C_RU) DRU20191219000002 10. DWC-1000/C1 (DEUR20200305000004/ HQ20200310000007) #67871

	<p>Cannot login to DWC webGUI after upgrade when password includes non-ASCII characters.</p> <p>11. No CLI command for radius accounting configuration. DGC20200225000001. SPR# 67763</p> <p>12. Web GUI Management feature is not blocking CP login users from accessing controller Web GUI. DEUR20200220000004. SPR# 67834</p>
<p>4.7.3.1_WW 4.7.3.1_RU</p>	<ol style="list-style-type: none"> 1. RADIUS server setup issue. DBG18061014 2. In trunk mode, vlan-1(default vlan-1) should get tagged like other VLANs 3. Upgrade the dhcpv6 server code HQ20181115000003 / SPR #64995 4. [Web GUI] AC Client is counted as both 802.11N &802.11AC client HQ20190114000006/ SPR#65355 5. Neighbor AP entries are not showing for 2.4Ghz radio in Neighbor AP status page. SPR#65482 6. DWC-2000 WEP can be set even if 11n or 11ac is enabled on 5GHz DI20190214000003/ HQ20190215000007. SPR#55940 7. DWC-2000 Does not send Email logs for Managed AP Status. DI20190222000001/ HQ20190225000002/SPR #65715 8. DWC-2000 Sending Radius packets to Primary -> Tertiary -> Secondary Server. DI20190221000003/ HQ20190305000023/ SPR#65815 9. Unable to upgrade DWL7620Ap from Managed AP page. SPR#65849" 10. IP sorting columns is incorrect in Managed APs and AP Provisioning page. DEUR20190320000004/ HQ20190322000010 SPR #65894 11. Removing debug logs. HQ20190510000007/ SPR #66176 12. Critical error page appears when access into ""Event"" page with customer's configuration. DI20190527000001/ SPR #66242 13. Popup window cannot be closed by close button. HQ20190523000001/ SPR #66246 14. Wrong information of Radar Status in Radio Details/ DWL-8610AP. HQ20190516000012 15. Cannot add 2048 MAC addresses to Local MAC authentication database. HQ20190604000012/ SPR #66294 16. DWL-7620AP, Auto channel doesn't work on 2nd 5G. DI20190315000003 SPR #66613.
<p>4.7.2.2_WW 4.7.2.2_RU</p>	<ol style="list-style-type: none"> 1. DWL-XX10APs are crashing in loop when they are getting managed with latest DWC-1000C1 release v4.7.2.1. (DBG19020237) SPR #65544
<p>4.7.2.1_WW 4.7.2.1_RU</p>	<ol style="list-style-type: none"> 1. [DLAB]URL redirection is not working after login to captive portal at

- the instance of SSID connection on mobile devices. SPR #57542
2. For few currencies in payment Gateway profile observed error as Invalid Monetary Unit and for few currencies observed Critical Error (DBG17020194). SPR #60640
 3. Observed error on viewing billing profiles from CLI (DBG17020231). SPR #60641
 4. [DLAB] Observed some issue with snmpwalk commands and in MIB browser. SPR #61032
 5. [DLAB]Observed that SSL tunnel is not establishing in latest Firefox Browser. SPR #61719
 6. Facebook WiFi Enhancement (SNR v1.06). SPR #62604
 7. DWC-1000 - issues with visualization Win10 64bit. (DEUR20180228000006/ HQ20180305000016). SPR #63462
 8. DWC-1000 + DWL-8610 - issue with CP with customer's config (DEUR20180305000004/ HQ20180307000009). SPR #63498
 9. NTP Server Enhancements (adding tertiary server) (DEUR20170516000006/ HQ20170517000003). SPR #64200
 10. Add ATF feature support for DWL-6620/7620AP profile types and with profile type 'Any' in DWC. SPR #64207
 11. Observed ipset related logs in DLI and shell needs to be suppressed. (DBG18070008). SPR #64239
 12. Multi Radius support & Profile selection for Mac authentication in AP profile SSID page. SPR #64296
 13. Issue with DST and SNTP (DWC-1000/C1) (DEUR20180620000002/ HQ20180626000010). SPR #64325
 14. Can't upload firmware to AP DWL-6610AP/B1 (DEUR20180718000001/ HQ20180719000005). SPR# 64364
 15. SSLVPN Client Binaries & WLAN Visualization certificate renew with autosign tool. SPR #64370
 16. Japan 5G channel issue for managed 7620AP (DI20180704000002/ HQ20180710000005)
 - a. Able to configure same channel in both radio mode primary and secondary in default and custom AP Profile while managing 7620AP. And notification enhancement when configure primary 5Ghz and secondary interface. SPR #63530
 - b. Channel # 100 not shown in the secondary radio issue. SPR# 64414
 17. Certification revoked in Wlan Visualization (HQ20180917000003). SPR #64430

	<p>18. DWC cannot manage DWL-6700 when the hardware type of AP profile is DWL-6700 (HQ20180809000014). SPR #64507</p> <p>19. Device is not allowing to enable "Radio Resource Management" and "Space time block code" options in radio settings of DWL-6610AP(A1) Hardware type AP profile. (HQ20180807000009) SPR #64512</p> <p>20. Need to add support for SNMP OID to get cpu usage in dwc-1000 series (OID: 1.3.6.1.4.1.171.10.121.1.2.5.9.1.1). SPR #64528</p> <p>21. Radius Accounting sends wrong info if client is roaming (DEUR20170403000007/ HQ20170420000017). SPR #64583 RADIUS accounting for roaming clients [SNR 1.04]</p> <p>22. Spillover Max bandwidth Setting (DWC-1000 only) (HQ20160518000014). SPR #64790</p> <p>23. DWC1000 A1/B1 Frontdesk page should be in sync with DWC1000C1 (DBG17050080). SPR #60741</p>
<p>4.7.1.1_WW 4.7.1.1_RU</p>	<p>1. Failure when building controller cluster (DEUR20180420000006/ HQ20180423000005). SPR #63862</p> <p>2. Guest account vulnerability by SSH (DRU20180521000002/ HQ20180522000006). SPR #63945</p> <p>3. The issue with removing users (DRU20180426000002/ HQ20180427000006). SPR #63940</p> <p>4. Missing TLS option in Remote Logs section. (DUSA20180117000001/ HQ20180117000002). SPR #63169</p> <p>5. Maximum limit for Per group ADMIN/GUEST/FD reached Error while upload CSV file (HQ20180409000019). SPR #63736</p> <p>6. Logout button doesn't work (DBG18060979). SPR #64256</p> <p>7. Cannot edit RADIUS profile via CLI when reach Max Radio server and RADIUS profile (DBG18061026, DBG18061007). SPR #64257</p>
<p>4.7.0.1_WW</p>	<p>1. Wrong display of Expiration Date and Time on Frontdesk page. (DEUR20170131000013/ HQ20170202000026). SPR #59620</p> <p>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)</p> <p>3. The problematic AP profile gives wrong SSID assignment after system reboot. (DEUR20170111000006/ HQ20170113000006) (DWC-1000/A1/B1 only) SPR #52908</p> <p>4. Cannot remove DNS Hostname Mapping via either the GUI or CLI interface (DI20170219000001/ HQ20170220000001) SPR #61971</p>

5. (When no VPN license) Throwing "Bad Parameter" error message when using Manage Dashboard options. (DEUR20170707000003/ HQ20170710000008) (DWC-1000 only) SPR #61724
6. When using billing users in batch generation, system pops up wrong "error message" due to the mismatch 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/ HQ20170907000002) (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 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. (DEUR20171109000003/ 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

	<p>than 15 characters. (DI20170320000001/ HQ20170320000005) SPR #60276</p> <p>39. DWC-1000 - WLAN Wizard only supports A/B/G/N not AC (DEUR20170127000002/ HQ20170202000013) SPR #59495</p> <p>40. Incorrect warning message in peer device when try to start manual power adjustment. (DI20170228000003/ HQ20170301000025) SPR #60210</p> <p>41. DWL-6700AP status is not changing to standalone from managed mode. (HQ20170517000004) SPR #60943</p> <p>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</p> <p>43. VPN license is losing after upgrade from 4.4.1.3 to 4.6.0.2 (DEUR20170710000006/ HQ20170719000002) (DWC-1000A1/B1) SPR #62122</p> <p>44. Log is getting full fast by Kernel Error message, need to remove this log (DEUR20180220000011/ HQ20180221000016) SPR #63533</p> <p>45. [DLAB] Multiple ports are staying at "closed" status in TCP SYN scan. (DBG17050387, DBG17050385, DBG17070547) SPR #60714</p> <p>46. [DLAB] UDP port scan (by using NMAP) result is showing closed ports (DBG17070605) SPR #60718</p> <p>47. [DLAB] TCP-Fin scan (by using NMAP) result shows closed ports (DBG17070546) SPR #60719</p> <p>48. Unable to configure the Airtime fairness option in the DWC1000 C1, when enable "Airtime Fairness" for the profile (DEUR20180418000003/ HQ20180419000011) SPR #63815</p>
<p>4.6.1.1_WW</p>	<ol style="list-style-type: none"> 1. DBG17040281 DWC-1k_Mac-Auth_webUI issue for authentication action in MAC database. 2. DBG17050181 H/W=C1 cannot create 256 temp users on frontend page. 3. DBG17050302 DWC-1k_Bug_CLI_Cli format changed in C1 version (SPR#56187). 4. DBG17050183 DWC_AD_Two issue within AD page, server check and web page difference. 5. DBG17050179 DWC_CLI_Having the different command for option port setting between A1, B1 and C1. 6. DBG17050309 DWC_AP-Profile_DWC-1k still suffer the same issue as DBG17020030, SPR 59525.

7. DBG17050306 DWC-1k_webUI_the spelling issue in CP setting.
8. DBG17050319 DWC-1000_UserDatabase_with the same incorrect CSV 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)
4.6.0.1_WW	<ol style="list-style-type: none"> 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 "wsAssociatedClientDisassocateAction" 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 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 0.0.0.0/0.0.0.0 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. HQ20160506000007 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 SSID from dwc-1k with config
 23. HQ20160415000015 DWC web unstable issues, sometimes login button missing, pages 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 back address, also when customer tries
 25. HQ20160301000019 Bandwidth rule [control] on option2 is not working.
 26. HQ20160311000013, HQ20160914000007 Cannot redirect to "Successful login page" after temporary user click accept button.
 27. HQ20160701000005 Upgrade firmware from 4.4.0.2_B401 to 4.4.1.3_B101, configuration 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 packet
 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 Cluster Controller WEBUI
 33. HQ20160705000002 Unable to disassociate clients from SNMP browser with OID "wsAssociatedClientDisassocaiteAction"
 34. HQ20160722000011 Unable to get the value for OID "wsManagedAPRadioBandwidth" when radio bandwidth is 80 MHz
 35. HQ20160831000014 SLA content is not coming properly in mobile phone
 36. HQ20160627000021 Captive Portal issues of setup
 37. HQ20160825000010 Authorzie.net error mapping if any issue in configuration of billing profiles
 38. HQ20160909000009 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 showing as www

41. HQ20161021000002 DWC-1000 issues
[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 ~ 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

	<p>Configuration for Temporary User in SSID profiles page</p> <p>55. HQ20160127000021-- DWC-1000 + DWL-8610 - several issues[DEUR20160125000011-Central Europe][three issues]-DWC-1000 + DWL-8610 several issues</p> <p>56. HQ20160218000017-Paypal CP translation [DEUR20160217000012-Eastern Europe] Spelling mistake in pay pal configuration page</p> <p>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</p> <p>58. HQ20160218000018--DSR-Series - FW 2.x & 3.x - PPPoE password length to short [DEUR20160217000004-Central Europe] Need to increase the PPPoE password length</p> <p>59. HQ20151217000014-Nat problem [DEUR20151216000007-South Europe] NAT problem [DWC-1000 device WAN is not getting up in roll-over case]</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p>
<p>4.4.1.2_WW 4.4.1.2_RU</p>	<ol style="list-style-type: none"> 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

	<ol style="list-style-type: none"> 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
<p>4.4.1.1_WW 4.4.1.1_RU</p>	<ol style="list-style-type: none"> 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)

	<ol style="list-style-type: none"> 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
<p>4.4.0.2_B501_WW 4.4.0.2_B501_RU</p>	<ol style="list-style-type: none"> 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
<p>4.4.0.2_B402_WW 4.4.0.2_B402_RU</p>	<ol style="list-style-type: none"> 1. 50333 P1 DBG15030267 Auto-channel function not work in the DWC-1000 with the fixed time setting 1. 50333 P1 HQ20150127000021 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
<p>4.4.0.2_B401_WW 4.4.0.2_B401_RU</p>	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> [DUSA20141119000004][HQ20141121000004] Display error of Controller MAC Address on AP Details [DEUR20150130000005][HQ20150202000005] DWC-1000 - scheduler [DI20150211000005][HQ20150212000006] DHCP server for each VLAN [HQ20150210000018] Incorrect usage-left info shown in the log-out web page Trap Log Enhancement. To sync the Log behavior from DWS-4026 for DJP SPEC: SNR-20141118-001 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

Known Issues:

Firmware Version	Known Issues
4.7.4.2_WW 4.7.4.2_RU	<ol style="list-style-type: none"> DBG19020201 - There are un-encrypted files after binwalk the firmware file. (SPR #65532) DBG19020051 - WAN port send out ICMPv6 packet even IPv6 is disabled in the setting. (SPR #65490) DBG18080275 DWC-1000C1 V4711 change DWL-8620AP channel fail spr# 64459
4.7.3.1_WW 4.7.3.1_RU	<ol style="list-style-type: none"> DBG19020201 - There are un-encrypted files after binwalk the firmware file. (SPR #65532) DBG19020051 - WAN port send out ICMPv6 packet even IPv6 is disabled in the setting. (SPR #65490) DBG18080275 DWC-1000C1 V4711 change DWL-8620AP channel fail spr# 64459 DBG19120368 - DUT cannot set the link aggregation option of APs to disabled. DBG19120132 - Hours Days Service and MB_GB_Service profile name display in billing form page and view temp user account page.
4.7.2.2_WW 4.7.2.2_RU	<ol style="list-style-type: none"> DBG19020341 - GUI display issue. The AP status color in top panel indicator is incorrect. (SPR #65629) DBG19020201 - There are un-encrypted files after binwalk the firmware

	<p>file. (SPR #65532)</p> <p>3. DBG19020051 - WAN port send out ICMPv6 packet even IPv6 is disabled in the setting. (SPR #65490)</p> <p>4. DBG17040199 - HTTP access with the Password in plain-text. (SPR #60727)</p>
4.7.2.1_WW 4.7.2.1_RU	1. DWL-X610APs crashing in managed mode. (solved by v4722)
4.7.1.1_WW 4.7.1.1_RU	N/A
4.7.0.1_WW	<p>4.6.1.1_WW</p> <p>1. DBG17050232 DWC-1k_diffServ_behavior for adding ANY in diffServ Class should be the issue (SPR-54624).</p> <p>2. DBG17040350 DWC-1k_IP-ACL_Can setup the IP ACL Rule for ICMP with port value. (SPR 56413)</p> <p>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.</p> <p>4. DBG17050120 Facebook WiFi is not work---client will be presented a 404 error page. (incomplete FB login page)</p> <p>DWC-1000 A1/B1 v4602 port scan issues</p> <p>1. DBG17040238 DWC-1k_Security-hole_TCP-Fin port scan failed for port 520 in special situation.</p> <p>2. DBG17040199 DWC-1k_Security-hole_http access with the Password in plain-text.</p> <p>3. DBG17040208 DWC-1k_Security-hole_https certificate be the same even after reset.</p> <p>DWC-1000 C1 v4603 port scan issues</p> <p>1. DBG17070548 The http login password is plaintext</p> <p>2. DBG17070588 [DBG16110376]_D-Lab_2016_11_C1_Unable to add 625 users from csv only 624 are added SPR #61819</p>
4.6.1.1_WW	<p>1. DBG17050120 Facebook WiFi is not work---client will be presented a 404 error page.</p> <p>2. DBG17050232 DWC-1k_diffServ_behavior for adding ANY in diffServ Class should be the issue (SPR-54624).</p> <p>3. DBG17040350 DWC-1k_IP-ACL_Can setup the IP ACL Rule for ICMP with port value.</p> <p>4. DBG17050299 Extended bug found during the test of "SPR#55342", DUT is using LAN-IP address as source address for Radius authentication</p>

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 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