



**Firmware Version:** V4.2.0.10  
**Published:** Apr 8, 2016

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## Revision History and System Requirement:

| FW Version | Date        | Model      | HW | MD5 CHECKSUM                     |
|------------|-------------|------------|----|----------------------------------|
| V4.2.0.10  | 8-Apr-2016  | DWL-2600AP | A1 | f73679a0c4144774279e7345cabd1070 |
| V4.2.0.2   | 26-Jun-2015 | DWL-2600AP | A1 | 219fa9e9a5fb8f47801cb399d3441130 |
| V4.2.0.1   | 24-Sep-2012 | DWL-2600AP | A1 |                                  |

## New Features:

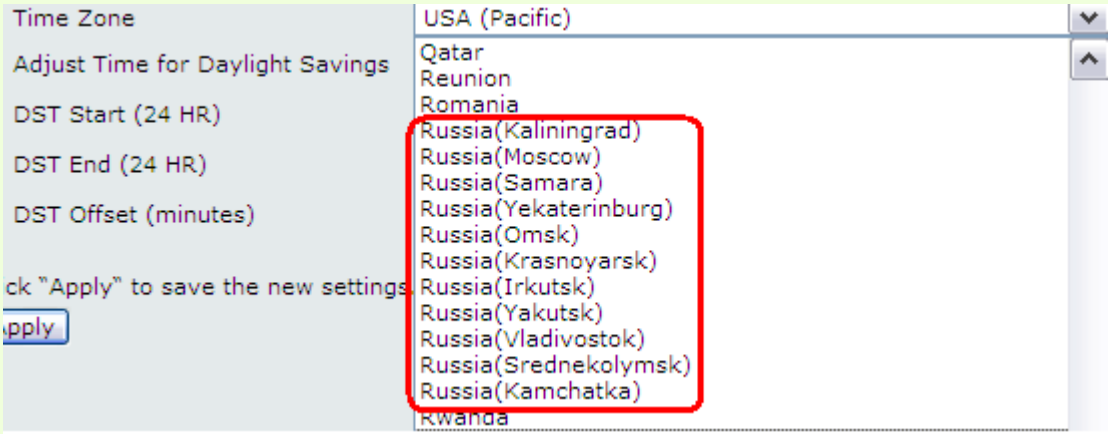
| Firmware Version | New Features   |
|------------------|--|
| V4.2.0.10        | <ol style="list-style-type: none"> <li>1. Configuration reconstruct, negating the need to perform factory default reset after FW upgrade.</li> <li>2. Support payment gateway in managed mode.</li> <li>3. Support Perma Config.</li> <li>4. Support Forced Roaming.</li> </ol>  |
| V4.2.0.2         | <ol style="list-style-type: none"> <li>1. Add CLI commands to turn off all LEDs.               <ol style="list-style-type: none"> <li>a. "get system led"</li> <li>b. "set system led [on/off]" (after "set system led [on/off]", need to type CLI command - "save-running", then reboot device.)</li> </ol> </li> <li>2. RF scheduler</li> <li>3. Update patch for CE EN 300328 v1.8.1 regulation</li> <li>4. HTTP Redirect feature [SNR/ 8600AP patch]</li> <li>5. "special" character for email server name and WPA-PSK</li> <li>6. DHCP: multi-cast change to uni-cast.</li> </ol> |
| V4.2.0.1         | Initial release  |

## Problems Fixed:

| Firmware Version | Problems Fixed   |
|------------------|--|
| V4.2.0.10        | <ol style="list-style-type: none"> <li>1. Fix wrong source IP address in E-mail Alert.</li> <li>2. Fix email alert is not working for specific domains.</li> <li>3. Fix unable to connect wireless clients after enabling the Client QOS.</li> <li>4. Fix DHCP packets are not being forwarded when Frag Threshold set to 256. [DUSA20150911000002]</li> <li>5. Fix packets from wireless client were not forwarded when wireless client re-authed by WEP + 802.1x [DI20151215000002]</li> </ol> |

6. Fix the size of the confirm button on http redirection page is too small to be clicked when using mobile device. [[DRU20151102000004](#)]
7. Fix AP is not redirecting to login page after changing the password.
8. Fix wireless client is not getting disconnected after changing the password of SSID in VAP.
9. Fix login password is visible in plain text in burp proxy intercept during device UI access with burp tool capturing the HTTP packet.
10. Fix WDS link is not getting established between two DWL-2600 devices in which one is managed with controller.
11. Fix disabling RADIUS Failthrough option for ipv4 functionality is not working.
12. Fix disabling RADIUS Failthrough option for ipv6 functionality is not working.
13. Fix able to establish WDS link with different security mode.
14. Fix RF Scan report not sent out randomly.
15. Fix Dynamic ACL assignment issue. [[DLA20150814000001](#)]
16. Fix the transmit power value configured from CLI is not properly set to AP.
17. Increase password length to 32 characters.
18. Fix RF scheduling is not working when schedule profile is configured for weekend.
19. Fix firmware upgrade, configuration upload and download are not working from SNMP MIB browser in DWL 2600AP.
20. Fix clients are unable to do authentication concurrently with WPA Enterprise encryption. [[DI20150317000002](#)]
21. Fix AP stops process radius request with DWS-3160. [[DEUR20150917000002](#)]
22. Facebook Wifi authentication takes too much time.
23. Fix SSL/TLS Compression Algorithm Information Leakage Vulnerability. [[CVE-2012-4929](#)]
24. Enhance to sign Web server Certificate with SHA-256 Signature algorithm.
25. Fix AP is accepting invalid IP address in Managed AP wireless switch parameters.
26. Fix OpenSSL Vulnerabilities.
  - i. out-of-bounds read in X509\_cmp\_time [[CVE-2015-1789](#)]
  - ii. Race condition handling NewSessionTicket [[CVE-2015-1791](#)]
  - iii. Remote attackers are able to obtain sensitive information from process memory by triggering a decoding failure in a PKCS#7 or CMS application. [[CVE-2015-3195](#)]
27. Modify common name and other fields in certificate while login through Https.
28. Fix Qos diffserv rules are not applying properly in the AP.
29. Fix Mark IP Precedence option functionality in Policy Map Configuration page is

- not working for IPV6.
30. Fix AP GUI cannot be accessed when configured subnet mask with all zeros.
  31. Fix device doesn't accept to delete the SNMPv3 groups if it contains SNMPv3 users.
  32. Fix device allows to remove default groups RO/RW in SNMPv3 group page.
  33. Fix device is not updating the system time with +offset value.
  34. Fix help content missing for some fields in radio page.
  35. SSID scheduler enhancement to increase maximum schedule profiles from 16 to 34.
  36. Fix Clickjacking attack Vulnerability.
  37. Fix Locked option for single radio is not getting saved in channel management page.
  38. Fix apRadioNumAssociatedStations is always displaying zero irrespective of the clients connected in snmp mib browser. [DRU20140506000002]
  39. Fix device is getting rebooted after configuring WPA personal key with spaces.
  40. Device is not showing any error message when adding SNMP v3 view as same name,same oid with type as same include/exclude.
  41. Fix AP is getting reboot continuously when user tries to configure in channel management page in cluster setup.
  42. According to latest 802.11i WPA2 must always enable and WPA & TKIP must be inter-dependent.
  43. Fix not able to access device GUI with IPv6 address.
  44. Fix GUI of the other AP's not accessible by clicking on the IP Address from the access points table.
  45. Fix clients are not authenticated with WPA-Enterprise when lost managed by the DWC-2000 Controller. [DI20150601000009]
  46. Fix DWL-x600AP wl command issue.
  47. Fix not able to do SNMP walk when using custom ports.
  48. Fix unable to run traffic between wireless clients when one client is connected with WPA-Personal and the other with WPA-Enterprise. [DUSA20131115000001]
  49. Fix to display correct warning message when configuring IPv6 default IP address with invalid IP address.
  50. Fix device cannot accept SSL certificates with 2048 signature length.
  51. Fix no CSRF protection, able to change admin password when clicked csrf.html which is located other than http server.
  52. Fix Cookie not marked as secure-only when logging in via https.

|                 |   |
|-----------------|---|
|                 | <p>1. Update fixes from 8600AP (Broadcast key refresh issue and DHCP priority issue)<br/>Broadcast key refresh issue (DUSA20131115000001/HQ20131216000011)<br/>DWL-8600_FW_v4_1_0_14_TEST_e3ae.tar</p> <p>2. Sync the fix from DWL-8600AP (DWL-8600_FW_v4_1_0_14_B018.tar)<br/>DWL-2600AP-- reopen case for stuck WLAN (HQ20140708000007)</p> <p>3. OpenSSL CCS Injection vulnerability (man-in-the-middle attack)<br/>Security Vulnerabilities Addressed: OpenSSL before 0.9.8za, which allows man-in-the-middle attack, and consequently hijack sessions or obtain sensitive information.<br/>Reference: CVE-2014-0224<br/><a href="http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-0224">http://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2014-0224</a><br/><a href="https://www.openssl.org/news/secadv_20140605.txt">https://www.openssl.org/news/secadv_20140605.txt</a><br/>Solution: We updated OpenSSL patch from 0.9.8j to 0.9.8za that addresses the vulnerability CVE-2014-0224 on hotfix v4201_B009 and v4202 for DWL-2600AP.</p> <p>4. Sync the iPad issue fix in DTrack case HQ20140718000002 from DWL-8600AP firmware "DWL-8600_FW_v4_3_0_1_Beta_e8ec.tar"</p> <p>5. Russia Time Zone update [HQ20141111000003]</p>  <p>6. DBG14100162, forced roaming [HQ20141124000011]</p> |
| <p>V4.2.0.1</p> | <p>1. Setting the time zone in the NTP menu to Poland will cause the AP to go into an infinite reboot cycle. [HQ20120914000006]</p>   |

**Known Issues:**

|                 |               |
|-----------------|---------------|
| <p>Firmware</p> | <p>Issues</p> |
|-----------------|---------------|

| Version   |  |
|-----------|--|
| V4.2.0.10 | <ol style="list-style-type: none"> <li>1. GUI access might be slow.</li> <li>2. Spell mistake in help page of client QOS ACL page.</li> <li>3. Sometimes WDS Link cannot be established in managed mode.</li> <li>4. Some extra field of radio2 are present in DWL 2600AP's help content.</li> <li>5. AP is accepting invalid IP address in "Hostname, address, or subnet of Network Management System field" of SNMP page.</li> <li>6. Sometimes we cannot see "Operation Succeed" message on the GUI pages after clicking on the save button</li> <li>7. [CLI] Automatic Channel Option in Radio Page Configured from CLI is not reflecting in GUI.</li> <li>8. Observed more than 10 continual ping loss while doing fping to internet IP 8.8.8.8 for establishing WDS link.</li> <li>9. Observed null (zero) values while running the iperf traffic from LAN to WLAN in both the radio (2.4 GHz and 5 Ghz).</li> <li>10. Power LED is not blinking properly when AP is rebooted from GUI or CLI.</li> <li>11. Observed 10 continual ping loss to internet (8.8.8.8) in long duration test for the radio 2.4GHz with the security WPA personal(TKIP)</li> </ol> |
| V4.2.0.2  | V4.2.0.2 doesn't support Perma Config, Facebook Wi-Fi, Payment gateway.  |
| V4.2.0.1  | Initial release  |
|           |  |

## Related Documentation:

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- DWL-X600AP\_8610AP\_6610AP\_6700AP\_8710AP Unified AP Series Manual
- DWL-x600AP Series CLI Manual