Firmware Version: 4.2.0.9
Published: May 16, 2014

Content:

Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
Runtime: V4.2.0.9_B009	16-May-14	DWL-6600AP	A1G
Runtime: V4.1.0.14	17-Dec-12	DWL-6600AP	A1G
Runtime: V4.1.0.11	19-Sep-12	DWL-3600AP	A1G
		DWL-6600AP	A1G
		DWL-8600AP	A1G
Runtime: V4.1.0.8	11-Apr-12	DWL-3600AP	A1G
		DWL-6600AP	A1G
		DWL-8600AP	A1G
Runtime: V4.1.0.4	20-Mar-12	DWL-6600AP	A1G
Runtime: V4.1.0.2	15-Jan-12	DWL-8600AP	A1G
		DWL-6600AP	A1G
		DWL-3600AP	A1G

New Features:

Firmware Version	New Features
V.4.2.0.9_B009	Forced roaming support PermaConfig support Ability to disable LEDs using CLI command AP Scheduler
V4.1.0.14	No new features
V4.1.0.11	DWL-6600AP now officially certified for CE DFS (EN 301 893) Throughput has been improved on 3600AP & 6600AP
V4.1.0.8	CE DFS channels have been restored.
V.4.1.0.4	Disable CE DFS channels for 6600AP
V4.1.0.2	First V4.0 release. Baseline feature reference Ver4.0 functional spec New Features and changes over V3.0.0.16 include ● Aeroscout integration – DWL-3600AP, DWL-6600AP, and DWL-8600AP is now able to work with Aeroscout tags and management software to provide location tracking service.

- Radio scheduler – The ability for a user to configure windows of time for VAPs or radios to be enabled or disabled

- Rogue AP notification – Syslog messages and traps when new rogue APs are discovered by RF Scan, and email alert will be sent out.

- MIB files have a .mib file extension rather than a .my extension.

- Managed-AP mode is enabled by default

- Dual boot feature no longer supported

Problems Fixed:

Firmware Version	Problems Fixed
V4.2.0.9_B009	1. VoIP phone compatibility issue [HQ20121016000012] 2. Low 802.11b throughput [HQ20120912000015] 3. Infinite boot loop if NTP server setting is changed to certain countries. [HQ20120914000006] 4. AP password and WDS group password are not persisting across configuration restore. [HQ20121008000019] 5. Broadcast key refresh failure. [HQ20121119000015] 6. Password length is increased to 16 characters. [HQ20130307000027] 7. Rogue AP detection is disabled by default. [HQ20130201000009] 8. De-authentication frames are sent with the wrong BSSID. [HQ20120809000011] 9. AP should push all the configured QOS ACL rules to another in cluster mode. [HQ20120719000008] 10. Configuration in Master AP is getting overwritten by the configuration of newly joined AP in cluster. [HQ20130205000001] 11. Observed operating channel lock for 5GHz AP when configured for "AU" country code. [HQ20130121000001] 12. Manual transmit power setting doesn't work. [HQ20121106000016] 13. AP password and WDS group password are not persisting across configuration restore. [HQ20121008000019] 14. "t-t" isn't allowed as a SNMP community name. [HQ20130320000004] 15. When MAC addresses are different for VLANs in L3 device, then the captive portal redirection will not work. [HQ20130319000013] 16. Enable 802.11n for KR, BY, TJ, UA, and UZ country codes [HQ20130401000007], [HQ20130424000015] 17. Unable to send email alert when mail server address is configured using domain name. [HQ20130603000008] 18. The transmit power of DWL-6600AP is not changing according to settings as sent from a controller device in managed mode. [HQ20130227000007] 19. Unable toload image when wireless driver logs is enabled. [HQ20130611000011] 20. Some wireless stations cannot access the network after several hours. [HQ20130731000010] 21. Special character support. [HQ20130905000009] 22. NTP manual setting from GUI is not getting saved in the configuration.

[HQ20130913000003]

23. AP detection logs are coming with WLAN1 interface only even if the AP is detected on 5GHz channels [HQ20131014000007]

24. Unable to configure WPA key with space from GUI. [HQ20131219000020]

25. Very low throughput with DWA-125 adapter. [HQ20131106000009]

26. Can't receive broadcast packet from wired network to wireless. [HQ20130816000008]

27. Multicast enhancement. [HQ20131223000008]

28. Low transmit power with 4.2.0.9 FW [HQ20131125000005]

29. LAN LED is off after reboot. [HQ20131025000002]

30. Making "upgrade twice method" consistent. [HQ20140310000009]

31. After a few hours, the AP will lose management and operation on device interfaces will get stuck. Need to update the channel list according to the new regulatory domain configuration. [HQ20130816000008 - Reopen]

32. WLAN utilization value get stuck to a certain value. [HQ20131202000015]

33. Hostapd process in AP is continuously restarting when only 5GHz radio is enabled. [HQ20140409000013]

Version	Notes

V4.1.0.14	1. Optimizes transmit power of the 2.4GHz radio [DGC20120528000001]
	2. 5GHz radio beacon loss in rare occasions
	3. Certain default settings were changed
	    ● Radio scan is disabled by default
	    ● Optimizing multicast/broadcast behavior to ensure that broadcast traffic won't interfere with unicast

V4.1.0.11	1. Intermittent connectivity loss on DWL-3600AP, DWL-6600AP, DWL-8600AP [DGC20120528000001] 2. 30 second IAS re-authentication issue[DGC20120315000001] 3. Group key not refreshed correctly, causing broadcast traffic such as DHCP to be lost, and the user may not be able to obtain IP address. [DUSA20120628000002] 4. MIB error [DI201205000002] 5. Clients lose association during Chariot run after ~2 hours [LVL700168082 (Not seen in test of 4.1.0.11. Possibly related to DGC20120528000001. Presume fixed)]
V4.1.0.8	1. [AP][WDS+SMB] If WDS mode with SMB traffic about 1~2 days, the AP will cause Ethernet port hang [LVL700168205] 2. 3600 APs lost management with Undirected ARP Req. floods to the managed switch(4026).[LVL700171117 (config error was the cause)]

3. AP is not sending UDP 57776 packets when Wireless switch does not have discovery enabled [LVL700171972]

4. Unable to reliably change WDS encryption without losing DHCP connectivity for extended periods [LVL700175132]

5. [DWL-8600AP] Unstable signal strength in a secondary BSSID in Multi-SSID [DI20110218000011-Japan][LVL700155847]

6. 0xd3d28f8 (wlanWdmTask): Memory Corruption by task id - d3d28f8 and reset [LVL700163706]

7. failed to load factory defaults seen after firmware upgrade [LVL700167818]

8. WLAN utilization doesn't change with change in traffic through AP. [LVL700170915 (Verified. Function is as designed)]

9. Locking one radio channel in clustering channel management page causes both radios to be locked. [LVL700172121 (test error was the cause)]

10. Clustered 3600s do not share configs. [LVL700172122]

11. Mac Authentication black list/white list not operating properly. [LVL700174532 (test error was the cause)]

12. Wireless kept old IP address after changing switch static IP to a new address in same subnet. [LVL700174733]

13. 6600AP DFS channels do not trigger on RADAR [LVL700169740]

14. 6600AP crashes while attempting tunneling [LVL700174549]

15. WDS webpage on 6600AP takes excessively long to load. [LVL700171955]

16. 3600AP and 6600AP Endurance Test – LAN to Wireless (UDP/ Multicast/ Broadcast), and Wireless to LAN (Multicast/ Broadcast). DUT failed to transmit the traffic to wireless clients after 212 seconds running. [DBG12020268]

17. The message "invalid image" is displayed in the GUI if the AP was powered off during the boot-up process.

18. not seeing the managed peers on the dlink gui [LVL700170818 (Function is as designed. Require peer configuration push)]

V.4.1.0.4	1. Aeroscout gives error configuring 3600AP. Appears 3600AP fails to respond correctly. [LVL700174456] 2. [Qos DiffServ Policy] The Committed Rate can't work correctly. [LVL700168202] 3. AP Crashes if roaming delay test is run for multiple clients using Veriwave [LVL700170934] 4. 3600 Scheduling not occurring [LVL700171190]

	5. [AP][Client QoS ACL+IPv6] Input ipv6 address ::33, WEB UI will appear debug message. [LVL700168211]
	6. Client database not purged when new cluster controller is elected [LVL700170909]
	7. Scheduler page missing some information. [LVL700171193]
	8. Not able to set the static channel on the ap from the wireless cluster controller [LVL700171319]
	9. Traps being sent to the syslog server do not have the time that was gotten from SNTP. [LVL700171881]
	10. 3600 AP crashed while running Automation suit. [LVL700174681]
	11. 6600AP crashes while sending BCast & MCast flood into managed switch [LVL700171115]
V.4.1.0.2	Initial release

Known Issues:

Firmware Version	Issues
4.2.0.9_B009	N/A
V4.1.0.11	1. Setting the time zone in the NTP menu to Poland will cause the AP to go into an infinite reboot cycle. We recommend the user should **NOT** alter NTP settings until this issue is resolved. [HQ20120914000006] 2. 3600 cell recovery - power not adjusting when 1 neighbor goes down [LVL700171102] 3. emWeb hang while pushing peer configuration (can only be repeated with large configuration files in overnight runs).[LVL700174469] 4. [QoS ACL+IPv6] Please remove protocol type: IP and ICMP when IPv6 is selected. [LVL700168204] 5. [AP][Client Qos ACL+IPv6+IGMP] Only permit IPv6:IGMP, but fail. [LVL700168209] 6. Cluster controller pushes power change to RADIUS-power-set AP [LVL700169684] 7. When AP's are assigned addresses with x.x.x.255 they won't communicate to other devices. [LVL700174543 (this is a problem with VxWorks stack. Addresses that ends with 255 is not recommended] 8. Call recover for a 6600AP – power doesn't go back down after the one neighbor comes back. [LVL700171104] 9. 6600AP Web Server-Session Timeout-Test by IE8. The login web page will pop up again and again even user has input correct credentials after the web session timeout. [DBG12020202. Rarely occurs after 4.1.0.8. The workaround is to press Ctrl-F5.]
V4.1.0.8	1. Clients lose association during Chariot run after ~2 hours [LVL700168082 (difficult to reproduce)] 2. 3600 cell recovery - power not adjusting when 1 neighbor goes down [LVL700171102] 3. emWeb hang while pushing peer configuration (can only be repeated with large configuration files in overnight runs).[LVL700174469] 4. [QoS ACL+IPv6] Please remove protocol type: IP and ICMP when IPv6 is selected. [LVL700168204] 5. [AP][Client Qos ACL+IPv6+IGMP] Only permit IPv6:IGMP, but fail. [LVL700168209]

6. Cluster controller pushes power change to RADIUS-power-set AP [LVL700169684]

7. When AP's are assigned addresses with x.x.x.255 they won't communicate to other devices. [LVL700174543 (this is a problem with VxWorks stack. Addresses that ends with 255 is not recommended]

8. Call recover for a 6600AP – power doesn't go back down after the one neighbor comes back. [LVL700171104]

9. 6600AP Web Server-Session Timeout-Test by IE8. The login web page will pop up again and again even user has input correct credentials after the web session timeout. [DBG12020202]

V4.1.0.4

1. Clients lose association during Chariot run after ~2 hours [LVL700168082]

2. [AP][WDS+SMB] If WDS mode with SMB traffic about 1~2 days, the AP will cause Ethernet port hang [LVL700168205]

3. 3600 cell recovery - power not adjusting when 1 neighbor goes down [LVL700171102]

4. 3600 APs lost management with Undirected ARP Req. floods to the managed switch(4026).[LVL700171117]

5. AP is not sending UDP 57776 packets when Wireless switch does not have discovery enabled [LVL700171972]

6. emWeb hang while pushing peer configuration (can only be repeated with large configuration files in overnight runs).[LVL700174469]

7. Unable to reliably change WDS encryption without losing DHCP connectivity for extended periods [LVL700175132]

8. [DWL-8600AP] Unstable signal strength in a secondary BSSID in Multi-SSID [DI20110218000011-Japan][LVL700155847 (rejected)]

9. 0xd3d28f8 (wlanWdmTask): Memory Corruption by task id - d3d28f8 and reset [LVL700163706]

10. failed to load factory defaults seen after firmware upgrade [LVL700167818]

11. [QoS ACL+IPv6] Please remove protocol type: IP and ICMP when IPv6 is selected. [LVL700168204]

12. [AP][Client Qos ACL+IPv6+IGMP] Only permit IPv6:IGMP, but fail. [LVL700168209]

13. Cluster controller pushes power change to RADIUS-power-set AP [LVL700169684]

14. not seeing the managed peers on the dlink gui [LVL700170818]

15. WLAN utilization doesn't change with change in traffic through AP. [LVL700170915]

16. Locking one radio channel in clustering channel management page causes both radios to be locked. [LVL700172121]

17. Clustered 3600s do not share configs. [LVL700172122]

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23. Call recover for a 6600AP – power doesn't go back down after the one neighbor comes back. [LVL700171104]

24. WDS webpage on 6600AP takes excessively long to load. [LVL700171955]

25. 3600AP and 6600AP Endurance Test – LAN to Wireless (UDP/ Multicast/ Broadcast), and Wireless to LAN (Multicast/ Broadcast). DUT failed to transmit the traffic to wireless clients after 212 seconds running. [DBG12020268]

26. 6600AP Web Server-Session Timeout-Test by IE8. The login web page will pop up again and again even user has input correct credentials after the web session timeout. [DBG12020202]

V4.1.0.2	1. Aeroscout gives error configuring 3600AP. Appears 3600AP fails to respond correctly. [LVL700174456] 2. Clients lose association during Chariot run after ~2 hours [LVL700168082] 3. [Qos DiffServ Policy] The Committed Rate can't work correctly.[LVL700168202] 4. [AP][WDS+SMB] If WDS mode with SMB traffic about 1~2 days, the AP will cause Ethernet port hang [LVL700168205] 5. AP Crashes if roaming delay test is run for multiple clients using Veriwave [LVL700170934] 6. 3600 cell recovery - power not adjusting when 1 neighbor goes down [LVL700171102] 7. 3600 APs lost management with Undirected ARP Req. floods to the managed switch(4026).[LVL700171117]

8. 3600 Scheduling not occurring [LVL700171190]

9. AP is not sending UDP 57776 packets when Wireless switch does not have discovery enabled [LVL700171972]

10. emWeb hang while pushing peer configuration [LVL700174469]

11. Unable to reliably change WDS encryption without losing DHCP connectivity for extended periods [LVL700175132]

12. [DWL-8600AP] Unstable signal strength in a secondary BSSID in Multi-SSID [DI20110218000011-Japan][LVL700155847]

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15. [QoS ACL+IPv6] Please remove protocol type: IP and ICMP when IPv6 is selected. [LVL700168204]

16. [AP][Client Qos ACL+IPv6+IGMP] Only permit IPv6:IGMP, but fail. [LVL700168209]

17. [AP][Client QoS ACL+IPv6] Input ipv6 address ::33, WEB UI will appear debug message. [LVL700168211]

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30. Wireless kept old IP address after changing switch static IP to a new address in same subnet. [LVL700174733]

31. 6600AP DFS channels do not trigger on RADAR [LVL700169740]

32. 6600AP crashes while sending BCast & MCast flood into managed switch [LVL700171115]

33. 6600AP crashes while attempting tunneling [LVL700174549]

34. Call recover for a 6600AP – power doesn't go back down after the one neighbor comes back. [LVL700171104]

35. WDS webpage on 6600AP takes excessively long to load. [LVL700171955]

Related Documentation:

- DWS-x600AP Series Manual
- DWS-x600AP Series CLI Manual