DWL-6600AP Firmware Release Notes

Firmware Version: 4.1.0.14
Published: Dec 17, 2012

Content:

Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
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
		DWL-8600AP	A1G
Runtime: V4.1.0.2	15-Jan-12	DWL-6600AP	A1G
		DWL-3600AP	A1G

New Features:

Firmware Version	New Features
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

V4.1.0.14	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	4. Intermittent connectivity loss on DWL-3600AP, DWL-6600AP, DWL-8600AP [DGC20120528000001] 5. 30 second IAS re-authentication issue[DGC20120315000001] 6. 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] 7. MIB error [DI201205000002] 8. 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
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]

18. Mac Authentication black list/white list not operating properly. [LVL700174532]

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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

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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]

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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]

13. 0xd3d28f8 (wlanWdmTask): Memory Corruption by task id - d3d28f8 and reset [LVL700163706]

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

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

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

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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