D-Link

Unified Controller Firmware Release Notes

OS Version: 4.1.0.2_10222W
4.1.0.2_10222R
WLAN Module: 4.1.0.2

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Content:

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Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
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

Important Notes:

Automatic factory reset when image upgrade detects a firmware region mismatch between RU and WW images. Such as firmware upgrade from RU→WW or WW→RU image.

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 back name has format <Model Name>_<Serial Number>.cfg provided this USB drive doesn't have a backup configuration file from a DWC already present.
2. The system LED on the DWC blinks 3X 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 detailed installation and upgrade instructions, please refer to the Firmware Upgrades chapter in the *DWC-1000 User Manual ver. 1.01.*

New Features:

Firmware Version	New Features
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	3. Integrated WLAN module v 4.1.0.2 4. Compatible with DWL-8600AP, DWL-6600AP and DWL-3600AP firmware v 4.1.0.x. 5. Compatible with DWL-8600AP firmware v 3.x.x.x for AP discovery and firmware upgrade 6. Advanced VLAN, includes MAC VLAN, Protocol VLAN, Voice VLAN, Double VLAN, and GVRP 7. Advanced QoS, includes Policy-based LAN QoS, Port Shaping Rate, Flow Control, and Auto VoIP 8. Customized captive portal page on WLAN Captive Portal 9. MIB support (Firmware Upgrade, Configuration Backup, Configuration restore and system properties) 10. 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
4.1.0.2_10222W 4.1.0.2_10222R	1. AP L2 VLAN discovery is not support. 2. Unable to establish tunnel in L2 distributed Tunneling Mode. 3. While getting the firmware version using the mib browser region code is missing. 4. Device is not showing Firmware version with region in CLI. 5. GUI is displaying firmware version without WW in SSL VPN client page after login. 6. Sometimes a pop-up window shows up with Captive Portal Login page 7. In Advanced page, wording is abnormal. It shows options like 'Submit' and 'Don't Save Settings', instead 'Submit' and 'Don't Submit Settings'.

8. GUI look and feel is not good in "poll list", "local oui database" and in Edit Channel/Power of manual management pages.

9. Clicking on the traffic dashboard page, the very first time after a power-cycle of the box, may result in an internal error page.

10. Traffic not following flow based QoS policy for default services and custom service added with type "BOTH".

11. Clustering support for customized captive portal is not supported.

12. Captive Portal disconnect management is not working.

13. System log is not working

14. [DBG11110021] In CLI in the warning message 'The de-authentication attack is disabled' the character "T" is missing.

15. [DBG11110301] The captive portal created profiles are not listed on captive portal interface association page

16. [DBG11110305] After disconnecting the captive portal session manually from the GUI of the device still able to run the traffic from wlan host without further authentication

17. [DBG11110308] There should be one verification mode for captive Portal for lan side and wlan side

18. [DBG11110309] The defined captive portal profiles cannot be applied on WLAN interface.

19. [DBG11120016]SAVE SETTINGS button is shown as SUBMIT in SNMP Trap and Distributed tunneling pages.

20. [DBG11110094] The descriptions for distributed tunnelling page to be updated.

21. [DBG11110092] There is no description on WAN CP Interface Association page.

22. [DBG11110029] AP Hardware Capability List only shows DWL-8600AP on WEB, but CLI can shows all 8600AP, 3600AP and 6600AP.

23. [DBG12020124] "Dhcp" word must be displayed in capital letters in lan dhcp leased clients page

24. [DEUR20120402000003][DUSA20120321000002] SSID setup page has critical text errors on WPA and WPA2. It is also mapping to D-track case

25. [DEUR20120402000003] Access the page of All AP Status without authentication.

26. Help content need to be updated available for some WLAN pages.

27. External Authentication support in wired captive portal is not available.

	28. <Spec Update> IPv6 address AP discovery/ management/ monitoring are not support.
	29. <Spec Update> L3 tunnel (IP-IP tunnel) is not support and Help content related to L3 tunnel (IP-IP tunnel) to be removed
	30. <Spec Update> Centralized L2 Tunnel and IP-IP tunnel are not supported
	31. <Spec Update> Remote storage via USB is not supported
4.1.0.2_10204W 4.1.0.2_10204R	1. Blank webpage of AP Profile> Configuration SSID on IE browser
	2. LOGIN CAPTIVE PORTAL page that is opened for wireless clients should be the one from CAPTIVE PORTAL SETUP page
	3. Not able to get IPv4/IPv6 address and GUI is not accessible when device is in stateful mode.
	4. Alignment issue in security key for wlan-wizard
	5. Firmware query link to be removed from checklist page (hidden page).
	6. After disconnecting the captive portal session manually from the GUI of the device still able to run the traffic from wlan host without further authentication.
	7. Not able to push configuration among clustering peer group
	8. Graphic missed on webpage of Dashboard> Access Point
	9. Wrong mark on the menu while on the webpage Device Info> Device Status
	10. Wrong mark on the menu while on the webpage Global> SNMP Trap
	11. Wrong mark on the menu while on the webpage USB Settings> USB SharePort
1.01B67_WW 1.01B67_RU	None

Known Issues:

Firmware Version	Known Issues
4.1.0.2_10222W 4.1.0.2_10222R	1. Port queue priority handling for multiple streams on congested port is not supported.
	2. Client QoS is not supported
	3. WLAN Visualization is not support, image download is not supported
	4. [24387] Option-2 port duplex settings issue.
	5. [24432] IPsec, SMTP and DNS ALG's not working correctly
	6. Redirect to URL functionality is not working.

	7. [26946] WAN should be displayed as option, Wan1 as option1 and Wan2 as option2 in CLI
	8. [27848] Captive Portal session deleting when we add a policy.
	9. [27924] Unable to upload the easy VPN file into the device.
	10. [28073] Not displaying CP Users list in users page of peer switch
	11. GUI dropdown does not contain these services: AOL, DHCP-Relay, Syslog, SQN-netv1, SQN-netv2, TCP-ANY, FTP-get ,Netmeeting, H.323, L2TP, NTP, LDAP, Real video, Real Media Firewall.
	12. The Double vlan functionality is not working.
	13. Traffic not following QoS with VLAN's.
	14. [28488] After Scrolling the drop down menu, the table name's(RF Scan AP/Detected clients) are disappearing in visualization Launch page
	15. 192.168.12.0/24 reserves for IPSec VPN IP pool.
4.1.0.2_10204W 4.1.0.2_10204R	1. IPv6 address AP discovery/ management/ monitoring is not support.
	2. AP L2 VLAN discovery is not support.
	3. L3 tunnel is not support and Help content related to L3 tunnel to be removed
	4. Port queue priority handling for multiple streams on congested port is not supported.
	5. Centralized L2 Tunnel and IP-IP tunnel are not supported
	6. Help content need to be updated available for some WLAN pages.
	7. Client QoS is not supported
	8. Clustering support for customized captive portal is not supported.
	9. Remote storage via USB is not supported
	10. WLAN Visualization, image download is not supported
	11. Captive Portal disconnect management is not working.
	12. System log is not working
	13. Add sorting, filtering, searching operations to View logs page.
	14. Option-2 port duplex settings issue.
	15. External Authentication support in wired captive portal is not available.
	16. IPsec, SMTP and DNS ALG's not working correctly
	17. Redirect to URL functionality is not working.
	18. WAN should be displayed as option, Wan1 as option1 and Wan2 as option2 in CLI
	19. WLAN CP Login page pop-up issue
	20. Keep alive tunnel functionality in IPSEC configuration is not working

	21. Captive Portal session deleting when we add a policy. 22. Unable to upload the easy vpn file into the device. 23. Not displaying CP Users list in users page of peer switch 24. GUI dropdown does not contain these services: AOL, DHCP-Relay, Syslog, SQN-netv1, SQN-netv2, TCP-ANY, FTP-get ,Netmeeting, H.323, L2TP, NTP, LDAP, Real video, Real Media Firewall. 25. The Double vlan functionality is not working. 26. Traffic not following QOS with VLAN's. 27. Traffic not following flow based QoS policy for default services and custom service added with type "BOTH." 28. WLAN visualization Should support graph and building location 29. Unable to access the WLAN visualization Launch page when opened from wan side. 30. After Scrolling the drop down menu, the table name's(RF Scan AP/Detected clients) are disappearing in visualization Launch page 31. The device firmware version is not displayed correctly in SSL portal and Captive portal pages.
1.01B67_WW 1.01B67_RU	1. DWL-6600AP/ DWL-3600AP management are not supported 2. Centralized L2 Tunnel and IP-IP tunnel are not supported 3. Help content need to be updated available for some WLAN pages. 4. Advanced VLAN and Advanced QoS are not supported 5. Client QoS is not supported 6. Remote storage via USB is not supported 7. WLAN Captive Portal customization is not supported 8. WLAN Visualization, image download is not supported 9. Captive Portal disconnect management is not working. 10. Blank webpage of AP Profile> Configuration SSID on IE browser 11. System log is not working 12. Add sorting, filtering, searching operations to View logs page. 13. Option-2 port duplex settings issue. 14. External Authentication support in wired captive portal is not available. 15. IPsec, SMTP and DNS ALG's not working correctly 16. The GUI page alignment in "poll list", "local oui database" and in Edit Channel/Power of manual management pages shall be changed. 17. Idle time functionality is not working for the Wlan pages. 18. Redirect to URL functionality is not working. 19. WAN should be displayed as option, Wan1 as option1 and Wan2 as

	option2 in CLI
	20. Proposed channels assignments didn't work in When specific page
	21. WLAN CP Login page pop-up issue
	22. LOGIN CAPTIVE PORTAL page that is opened for wireless clients should be the one from CAPTIVE PORTAL SETUP page
	23. Keep alive tunnel functionality in IPSEC configuration is not working
	24. Captive Portal session deleting when we add a policy.
	25. Unable to upload the easy vpn file into the device.
	26. Not able to get IPv4/IPv6 address and GUI is not accessible when device is in stateful mode.
	27. Alignment issue in security key for wlan-wizard
	28. Not displaying CP Users list in users page of peer switch
	29. GUI dropdown does not contain these services: AOL, DHCP-Relay, Syslog, SQN-netv1, SQN-netv2, TCP-ANY, FTP-get ,Netmeeting, H.323, L2TP, NTP, LDAP, Real video, Real Media Firewall.

Related Documentation:

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