



Firmware Version: V4.7.2.9
Published: Feb 07, 2020

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Revision History and System Requirement:

FW Version	Date	Model	HW	MD5 CHECKSUM
V4.7.2.9	07-Feb-2020	DWL-6620APS	A1	b7bb52db09ebdda3d37919090297c72d

New Features:

Firmware Version	New Features
V4.7.2.9	<ol style="list-style-type: none"> 1. WPA3 2. Default Password change <p>Note: Due to memory partition reconstruct, after upgrading to v4.7.2.9:</p> <ul style="list-style-type: none"> a. System will reset to factory default. b. Downgrade to v4.7.2.6 or lower version is not allowed. c. Load lower version config file is not allowed.
V4.7.2.5	<ol style="list-style-type: none"> 1. Support WDS without security. 2. Support IP & MAC address ACL under managed mode. 3. Support DHCP offer/ACK to Unicast function. 4. Support QoS Bandwidth Control. 5. Support Wireless Multicast Forwarding. 6. Support Management IPv6. 7. Support Load Balancing. 8. Support Airtime Fairness. Enable/Disable button is also available. 9. Support D-Link Discovery Protocol (DDP) so that the DWL-X620AP can be discovered and managed by D-Link Network Assistant (DNA). 10. Enhancement to skip manually factory reset while firmware upgrade. <p>For example:</p> <ul style="list-style-type: none"> V4.7.0.10 > V4.7.2.5, manually reset system to factory default is needed. V4.7.2.5 > to any version onwards, no factory reset needed. V4.7.2.5 > V4.7.0.10 (or lower version), manually reset system to factory default is needed.
V4.7.0.10	The first release

Problems Fixed:

Firmware Version	Problems Fixed
V4.7.2.9	<ol style="list-style-type: none"> 1. DI20190205000001/ DI20190306000002 WMF issues. 2. DI20190205000002/ DI20190306000005 Multicast to Unicast feature does not change the destination MAC address from multicast packets to unicast address. 3. DI20190220000003/ DI20190311000011 AP reloads configuration when AP loses management session, and it caused wireless client disconnection. 4. DI20190227000004/ DI20190315000002 WLAN utilization 0% issue. 5. DI20190226000005/ HQ20190304000011 All parameters in WMM/WME IE becomes 0 after DWC-2k manages DWL-6620APS. 6. DI20190516000003 /HQ20190528000011 Showing Radar status info on controller. 7. DI20190219000008/ HQ20190223000009 Basic rate issue. 8. Roaming issue on DWL-6620APS/7620AP. When wireless client roams from AP1 to AP2, after wireless client connects to AP1 again, wireless client can't access Internet.
V4.7.2.5	<ol style="list-style-type: none"> 01. Fix Bug: Managed Mode - after Controller reboot, AP doesn't do CP again 02. Fix Bug: Accept Item (DKP1810013-0084) - CLI - set show the error message (VBG19010632) 03. Fix Bug: Accept Item (DKP1810013-0093) - Events has smart antenna message (VBG19010623) 04. Fix Bug: Accept Item (DKP1810013-0050) - Managed Mode - DUT UI cannot get the force roaming setting from DWC-2000 (VBG19010588) 05. Fix Bug: Accept Item (DKP1810013-0116) - Managed Mode - Band Steer setting doesn't copy to UI (VBG19010618) 06. Fix Bug: CLI - Incorrect Radio wlan ID 07. Fix Bug: tx-power default value is incorrect 08. Fix Bug: U-APSD doesn't work on Managed Mode and Standalone Mode 09. Fix Bug: DI20190207000003/ HQ20190213000012 [DWL-6620APS] Beacon Interval became 200 msec if the number of SSID is 9 or more (#60042) 10. Fix Bug: DNA (D-Link Network Assistant) not work, firmware upgrade part 11. Fix Bug: LAN crash after receiving special ipv6 packet

	<p>12. Fix Bug: DI20190207000001 [DWL-6620APS] There is no Radius Fail Through feature (#60051)</p> <p>13. Fix Bug: CLI - "set system led off" doesn't turn off WiFi LED</p> <p>14. Fix Bug: LED Off doesn't turn off WiFi LED</p> <p>15. Fix Bug: CLI name should use Web UI Hostname</p> <p>16. Fix Bug: Standalone - Incorrect ATF string</p> <p>17. Hide Multicast to Unicast function</p> <p>18. DI20190207000003/ HQ20190213000012 [DWL-6620APS] Beacon Interval became 200 msec if the number of SSID is 9 or more (#60042)</p> <p>19. Fix Bug: Japan Domain fail to change channel (HQ20180906000008) (Mantis ID:0057993)</p> <p>20. Fix Bug: UI accepts invalid Subnet Mask and Gateway (HQ20180709000005) (Mantis ID:0057245)</p> <p>21. Fix: Enable the DFS function of JP domain (HQ20180705000002)</p> <p>22. Fix Bug: Managed Mode - VLAN + Captive Portal not work (HQ20180711000010) (Mantis ID: 0056637)</p>
V4.7.0.10	The first release

Known Issues:

Firmware Version	Issues
V4.7.2.9	1. Dynamic VLAN is not working.
V4.7.2.5	<p>[DTrack cases]</p> <p>1. DI20190205000001/ HQ20190218000005 (Wireless multicast forwarding) (#60090)</p> <p>2. DI20190205000002/ HQ20190214000002 Multicast to Unicast feature does not change the destination MAC address from multicast packets to unicast address (#60054) (Hidden via GUI on v4720.)</p> <p>3. DI20190214000005/ HQ20190304000027 [DWL-6620APS] DFS changes the channel to W56 when AP booted up with W56 channel, even if other Auto Eligible channels on W53 are not blocked (#60283)</p> <p>4. DI20190220000003/ HQ20190223000010 [DWC-2000/DWL-6600AP] AP reloads configuration when AP loses management session, and it caused wireless client disconnection (#60279)</p> <p>5. DI20190227000004/ HQ20190304000015 WLAN utilization 0% issue</p>

	6. DI20190226000005/ HQ20190304000011 all parameters in WMM/WME IE becomes 0 after DWC-2k manages DWL-6620APS
V4.7.0.10	<ol style="list-style-type: none"> 1. When 802.11ac wireless clients associate with a DWL-6620APS in managed mode, the clients will be shown as 802.11n clients on the DWC-2000. 2. The DWL-6620APS won't be changed to Standalone mode once losing association with the controller. 3. When enabling Dynamic VLAN feature, the wireless client could not be assigned proper VLAN ID if not configure use_tunneled_reply = yes on the FreeRadius server. 4. Using iPerf to measure the performance, the throughput could be low when the packet size is very small such as 128 or 88 bytes.

CLI Commands

Command	Action
get managed-ap	Get information about switches that can discover and manage the AP.
get management	View the following information about the management interface on the AP: <ul style="list-style-type: none"> • VLAN ID • Interface name • Static IP address (if DHCP is not used) • Static subnet mask • IP address • Subnet mask • MAC address • DHCP status
get management dhcp-status	View the connection type.
set management dhcp-status on	Use DHCP as the connection type.
set management dhcp-status off	Use Static IP as the connection type.
get management static-ip	View the static IP address.
get management static-mask	View the subnet address.
get management vlan-id	View management VLAN ID.
set management vlan-id 1~4094	Set management VLAN ID.
reboot	Reboot the system.
factory-reset	Return to factory default setting.
get system led	View system LED status.

	<p>Status 1: Turned on.</p> <p>Status 0: Turn off.</p>
<p>set system led on</p> <p>set system led off</p> <p>save-running</p>	<p>Turn on system LED.</p> <p>Turn off all system LED.</p> <p>After setting command, need to type the command <i>save-running</i> to and then <i>reboot</i> to make the setting effective.</p>

Related Documentation:

- DWL-X600AP_3610AP_8610AP_6610AP_6700AP_8710AP_x620AP_Unified_AP_Manual_v6.61.pdf