



**Firmware Version:** V4.7.2.5  
**Published:** May 14, 2019

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### Content:

Revision History and System Requirement: .....	2
New Features: .....	2
Problems Fixed: .....	2
Known Issues:.....	3
CLI Commands .....	4
Related Documentation:.....	5

## Revision History and System Requirement:

FW Version	Date	Model	HW	MD5 CHECKSUM
V4.7.2.5	14-May-2019	DWL-6620APS	A1	a5d414c601e9322389d9257f6f980115

## New Features:

Firmware Version	New Features
V4.7.2.5	<ol style="list-style-type: none"> <li>Support WDS without security.</li> <li>Support IP &amp; MAC address ACL under managed mode.</li> <li>Support DHCP offer/ACK to Unicast function.</li> <li>Support QoS Bandwidth Control.</li> <li>Support Wireless Multicast Forwarding.</li> <li>Support Management IPv6.</li> <li>Support Load Balancing.</li> <li>Support Airtime Fairness. Enable/Disable button is also available.</li> <li>Support D-Link Discovery Protocol (DDP) so that the DWL-X620AP can be discovered and managed by D-Link Network Assistant (DNA).</li> <li>Enhancement to skip manually factory reset while firmware upgrade. For example: V4.7.0.10 &gt; V4.7.2.5, manually reset system to factory default is needed. V4.7.2.5 &gt; to any version onwards, <b>no</b> factory reset needed. V4.7.2.5 &gt; V4.7.0.10 (or lower version), manually reset system to factory default is needed.</li> </ol>
V4.7.0.10	The first release

## Problems Fixed:

Firmware Version	Problems Fixed
V4.7.2.5	<ol style="list-style-type: none"> <li>Fix Bug: Managed Mode - after Controller reboot, AP doesn't do CP again</li> <li>Fix Bug: Accept Item (DKP1810013-0084) - CLI - set show the error message (VBG19010632)</li> <li>Fix Bug: Accept Item (DKP1810013-0093) - Events has smart antenna message (VBG19010623)</li> </ol>

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

V4.7.0.10	The first release
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## Known Issues:

Firmware Version	Issues
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V4.7.2.5	<p>[DTrack cases]</p> <ol style="list-style-type: none"> <li>DI20190205000001/ HQ20190218000005 (Wireless multicast forwarding) (#60090)</li> <li>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.)</li> <li>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)</li> <li>DI20190220000003/ HQ20190223000010 [DWC-2000/DWL-6600AP] AP reloads configuration when AP loses management session, and it caused wireless client disconnection (#60279)</li> <li>DI20190227000004/ HQ20190304000015 WLAN utilization 0% issue</li> <li>DI20190226000005/ HQ20190304000011 all parameters in WMM/WME IE becomes 0 after DWC-2k manages DWL-6620APS</li> </ol>
V4.7.0.10	<ol style="list-style-type: none"> <li>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.</li> <li>The DWL-6620APS won't be changed to Standalone mode once losing association with the controller.</li> <li>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.</li> <li>Using iPerf to measure the performance, the throughput could be low when the packet size is very small such as 128 or 88 bytes.</li> </ol>

## 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"> <li>• VLAN ID</li> <li>• Interface name</li> <li>• Static IP address (if DHCP is not used)</li> <li>• Static subnet mask</li> <li>• IP address</li> <li>• Subnet mask</li> </ul>

	<ul style="list-style-type: none"> <li>• MAC address</li> <li>• DHCP status</li> </ul>
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 1~4069	Set management VLAN ID.
reboot	Reboot the system.
factory-reset	Return to factory default setting.
get system led	View system LED status. Status 1: Turned on. Status 0: Turn off.
set system led on	Turn on system LED.
set system led off	Turn off all system LED.
save-running	After setting command, need to type the command <i>save-running</i> to and then <i>reboot</i> to make the setting effective.

## Related Documentation:

- DWL-X600AP\_3610AP\_8610AP\_6610AP\_6700AP\_8710AP\_x620AP\_Unified\_AP\_Manual\_v6.61.pdf