Firmware Version: V4.7.3.0
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Content:

Revision History and System Requirement:

FW Version	Date	Model	HW	MD5 CHECKSUM
V4.7.3.0	23-Oct-2020	DWL-8620AP	A1	53afca4af403af364542b926aa5edb80
		DWL-8620APE	A1	

New Features:

Firmware Version	New Features
V4.7.3.0	N/A
V4.7.2.9	1. WPA3 2. Default Password change Note: Due to memory partition reconstruct, after upgrading to v4.7.2.9: 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	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. For example: 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
V4.7.3.0	1. To remove channel 144 for DJP. 2. To fix max rate issue in managed mode. 3. With old controller firmware which doesn't support Max stations per SSID feature, say DWC-2000/4.7.2.1B106C, after the controller manages AP, wireless clients will fail to connect to AP. 4. To drop VLAN tagged pkt when there is no matching VAP VID. 5. Dynamic VLAN is not working issue 6. The SSID which is set as WPA2/WPA3 Enterprise is broadcasted as WEP. DI20200619000006/HQ20200622000008 7. Doesn't accept UI op and moves to login page. DI20200508000002/HQ20200508000006
V4.7.2.9	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.
V4.7.2.5	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
	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)
	23. Fix bug #25792: Kernel Panic when domain is EU with bandwidth 160 (Mantis : 0059415) (DWL-8620AP only)
V4.7.0.10	The first release

Known Issues:

Firmware Version	Issues
V4.7.3.0	N/A
V4.7.2.9	1. Dynamic VLAN is not working.
V4.7.2.5	[DTrack cases] 1. DI20190205000001/ HQ20190218000005 (Wireless multicast forwarding) (#60090) 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.) 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) 4. DI20190220000003/ HQ20190223000010 [DWC-2000/DWL-6600AP] AP reloads configuration when AP loses management session, and it caused wireless client disconnection (#60279) 5. DI20190227000004/ HQ20190304000015 WLAN utilization 0% issue 6. DI20190226000005/ HQ20190304000011 all parameters in WMM/WME IE becomes 0 after DWC-2k manages DWL-6620APS
V4.7.0.10	1. Observed More than 10 continual ping loss while doing fping to internet IP 8.8.8.8 in radio 2.4GHz and 5GHZ with security WPA Personal(AES). 2. Observed More than 10 continual ping loss while doing fping to internet IP 8.8.8.8 in radio 2.4GHz and 5GHZ with security WPA Personal(TKIP). 3. Using iPerf to measure the performance, the throughput could be low when the packet size is smaller than 256 bytes. 4. In some occasions, the channel setting on Radio setting UI page will only show channel 1~11 on 2.4GHz and Band 1 (36~48) on 5GHz after firmware upgraded. This is an UI defect so that all channels still work normally. **Workaround**: Select "Auto" channel. Otherwise backup the configuration in advance and factory reset the access point after firmware upgraded. Then restore the configuration. 5. CLI command "set management vlan-id" won't be effective immediately. Need to type the command save-running to and then reboot to make the setting effective.

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: • 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. After setting command, need to type the command *save-running* to and then *reboot* to make the setting effective.
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 set system led off save-running	Turn on system LED. Turn off all system LED. After setting command, need to type the command *save-running* to and then *reboot* to make the setting effective.

Related Documentation:

- DWL-X600AP_3610AP_8610AP_6610AP _6700AP_8710AP_x620AP_Unified_AP_Manual_v6.61.pdf