

Project Name: DAP-1620

HW version: B1

Region/OEM code: NA

WLAN Domain: 0x3A/FCC

Channel List:

2.4GHz: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

5GHz: 36, 40, 44, 48, 149, 153, 157, 161, 165

Firmware Query URL:

http://wrpd.dlink.com/router/firmware/query.aspx?model=DAP-1620_Bx_Default_FW_010

0_<Device MAC address>

Flash size: 16MB

DRAM size: 128MB

Firmware Version: ver2.01b09

Firmware Date: Thu, 24, Jan, 2019

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6481, Date: Thu, 24 Jan 2019

WLAN Version: SVN Revision: 6429, Date: Thu, 03 Jan 2019

checksum: 0x0C963BF1

ATHSDK SVN Revision: 6481

Firmware bin file md5sum: 277aa4f94c52408287202876c0588d4f

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.05.01-20181129.zip
2. supermesh-20181225 patch: meshd
3. supermesh-20181227 patch: dlink_mesh.o, meshm.ko

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- a. HNAP command GetDeviceSettings add DeviceMACAddress.
- b. Fix 0059778: FOTA upgrade firmware test - from iOS and Android APP Setup, The enforce messages did not pop up when user setup from iOS and AOS.

Note:

- a. PSD-001-01009_D-Link Wi-Fi frequency table_20181102.pdf.

Known Issue:

- a. Win 7 could not prompt remaindering user to press button when user click SSID from built-in ACM. (MTK WIFI Driver IOT issue)

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Firmware Version: ver2.01b08

Firmware Date: Wed, 23, Jan, 2019

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6475, Date: Wed, 23 Jan 2019

WLAN Version: SVN Revision: 6429, Date: Thu, 03 Jan 2019

checksum: 0xFE0D660D

ATHSDK SVN Revision: 6475

Firmware bin file md5sum: 971fdf63496620018183b82ae14f0ef6

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.05.01-20181129.zip
2. supermesh-20181225 patch: meshd
3. supermesh-20181227 patch: dlink_mesh.o, meshm.ko

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- a. Fix 0059739: FOTA upgrade firmware test - Upgrade by user's time.
- b. Fix 0059738: FOTA upgrade firmware test - manually upgrade by user.
- c. Fix HNAP PollingFirmwareDownload command, can't get progress percentage when FW downloading

Note:

- a. PSD-001-01009_D-Link Wi-Fi frequency table_20181102.pdf.

Known Issue:

- a. Win 7 could not prompt remaindering user to press button when user click SSID from built-in ACM. (MTK WIFI Driver IOT issue)

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Firmware Version: ver2.01b07

Firmware Date: Fri, 18, Jan, 2019

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6461, Date: Sat, 19 Jan 2019

WLAN Version: SVN Revision: 6429, Date: Thu, 03 Jan 2019

checksum: 0xBDAD6D62

ATHSDK SVN Revision: 6461

Firmware bin file md5sum: 7d80c01700c063369bf27f2dc4e7f119

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.05.01-20181129.zip
2. supermesh-20181225 patch: meshd
3. supermesh-20181227 patch: dlink_mesh.o, meshm.ko

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- a. Fix 5G CountryCode in GetWlanRadios & version.txt should be NA not NA/US.
- b. Fix 0059711: Supermesh - LED(Testcase 3.3.4), Change uplink from MAP to WMAP, the signal LED did not light off on WMAP role..
- c. 0059710: Supermesh - LED(Testcase 3.3.4), When Change MAP to RAP or WMAP, the Signal LED would solid orange for a while, it's incorrect.
- d. Fix in the provision process, apsond send a reboot command, using too much time for waiting rc process done.

Note:

- a. PSD-001-01009_D-Link Wi-Fi frequency table_20181102.pdf.

Known Issue:

- a. Win 7 could not prompt remaindering user to press button when user click SSID from built-in ACM. (MTK WIFI Driver IOT issue)

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Firmware Version: ver2.01b06

Firmware Date: Thu, 10, Jan, 2019

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6444, Date: Thu, 10 Jan 2019

WLAN Version: SVN Revision: 6429, Date: Thu, 03 Jan 2019

checksum: 0xCB731A5F

ATHSDK SVN Revision: 6445

Firmware bin file md5sum: 595a2b73a6cfd45b6b1ce3ffc5763c67

SuperMesh Porting Package Version:

4. supermesh_DAP-1620-v1.05.01-20181129.zip
5. supermesh-20181225 patch: meshd
6. supermesh-20181227 patch: dlink_mesh.o, meshm.ko

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- e. Fix 0059569: Supermesh - Test Case 3.2.6 – Schedule, when schedule name have " ", apsond api sync error.
- f. Fix 0059326: APP Test - iOS. – uplink connect, IOS APP crash.
- g. Fix 0059578: LED is incorrect at default mode.

Note:

- b. PSD-001-01009_D-Link Wi-Fi frequency table_20181102.pdf.

Known Issue:

- b. Win 7 could not prompt remaindering user to press button when user click SSID from built-in ACM. (MTK WIFI Driver IOT issue)

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Firmware Version: ver2.01b05

Firmware Date: Thu, 03, Jan, 2019

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6433, Date: Fri, 04 Jan 2019

WLAN Version: SVN Revision: 6429, Date: Thu, 03 Jan 2019

checksum: 0x6B7E34E5

ATHSDK SVN Revision: 6433

Firmware bin file md5sum: 7da9c77238d675b639accf73194bde0a

SuperMesh Porting Package Version:

7. supermesh_DAP-1620-v1.05.01-20181129.zip
8. supermesh-20181225 patch: meshd
9. supermesh-20181227 patch: dlink_mesh.o, meshm.ko

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- h. Fix 0059133: AP & Repeater - WPS FAIL(Reported from D-Link FAI).
- i. Fix 0059346: Supermesh - Provision from WPS.
- j. Fix 0059359: LAN settings - IPv6 DHCP Client(Stateful)
- k. Fix 0059345: Supermesh - LED(Testcase 3.3)
- l. Fix 0059169: Supermesh - GUEST Zone(Test case 3.6.1 & 3.6.3)
- m. Fix 0059357: Supermesh - GUEST Zone - Client is unable to obtain DHCP IP.

Note:

- c. update PSD-001-01009_D-Link Wi-Fi frequency table_20181102.pdf.

Known Issue:

- c. ASUS AC66 & AC68 WPS utility have WPS PBC IOT issue. (Android phone, Intel WIFI & DWA-182 not have this issue)

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Firmware Version: ver2.01b04

Firmware Date: Fri, 14, Dec, 2018

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6405, Date: Fri, 14 Dec 2018
WLAN Version: SVN Revision: 6376, Date: Thu, 29 Nov 2018
checksum: 0x5F0466FD
ATHSDK SVN Revision: 6406

Firmware bin file md5sum: 1626ded2d27c17329258424096429731

SuperMesh Porting Package Version:

10. supermesh_DAP-1620-v1.05.01-20181129.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- n. FIX indicator LED sometimes not work, in more the 3 MAP environment.
- o. Update IN domain code channel follow spec PSD-001-01009_D-Link
Wi-Fi frequency table_20181102.pdf.

Note:

- d. update PSD-001-01009_D-Link Wi-Fi frequency table_20181102.pdf.

Known Issue:

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Firmware Version: ver2.01b03
Firmware Date: Wed, 12, Dec, 2018
KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018
Application: SVN Revision: 6401, Date: Wed, 12 Dec 2018
WLAN Version: SVN Revision: 6376, Date: Thu, 29 Nov 2018
checksum: 0x8A26D269
ATHSDK SVN Revision: 6401

Firmware bin file md5sum: ed4166e809687fbfb09a570108ee014c

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.05.01-20181129.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- a. Fix MESH led issue;
- b. Fix sometimes can't get ipv6 IP;
- c. Fix guest zone access issue
- d. Add guestzone schedule function.
- e. Fix apsond api schedule rule save error
- f. Update fota agent for fix downloading file issue; add md5sum checking;
state machine optimize .
- g. Add TH HK domain code.

Note:

- a. update PSD-001-01009_D-Link Wi-Fi frequency table_20181025.pdf.

Known Issue:

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Firmware Version: ver2.01b02

Firmware Date: Thu, 29, Nov, 2018

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6377, Date: Thu, 29 Nov 2018

WLAN Version: SVN Revision: 6376, Date: Thu, 29 Nov 2018

checksum: 0x079C5AB4

ATHSDK SVN Revision: 6378

Firmware bin file md5sum: 1a73baa185de4b0e12072cb10cac9001

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.05.01-20181129.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- a. Upgrade supermesh Porting Package:
supermesh_DAP-1620-v1.05.01-20181129.zip for fix after provision
wireless client can't connect to rootAP..

Note:

- a. .

Known Issue:

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Firmware Version: ver2.01b01

Firmware Date: Fri, 23, Nov, 2018

KERNEL: 2.6.36, SVN Revision: 6353, Date: Fri, 09 Nov 2018

Application: SVN Revision: 6374, Date: Fri, 23 Nov 2018

WLAN Version: SVN Revision: 6374, Date: Fri, 23 Nov 2018

checksum: 0xA5E01A6B

ATHSDK SVN Revision: 6374

Firmware bin file md5sum: 0f5f675527f093c9a95491f4c9e4ff20

SuperMesh Porting Package Version:

- 2. supermesh_DAP-1620-v1.05.00-20181123.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- b. Fix TSD bug:
 - 1. 0058937: BRAZIL Domain - SSID & Channel Display issue .
 - 2. 0058743: HNAP Test - There are FAIL items after running HNAP TEST TOOL V1.1.0.110 (VBG18100392)(use tool version: HNAP_Tool_v1.1.0.111_Beta.zip)
 - 3. 0058898: FOTA - Device name displayed error(VBG18110248)
 - 4. 0058551: Supermesh - WPS Provision by DAP-1620B1
- c. Upgrade supermesh Porting Package:
supermesh_DAP-1620-v1.05.00-20181123.zip
- d. Fix RequireLevel value of GetFirmwareStatus not change.

Note:

b. .

Known Issue:

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Firmware Version: ver2.00b28

Firmware Date: Tue, 06, Nov, 2018

KERNEL: 2.6.36, SVN Revision: 6345, Date: Mon, 05 Nov 2018

Application: SVN Revision: 6350, Date: Wed, 07 Nov 2018

WLAN Version: SVN Revision: 6280, Date: Fri, 19 Oct 2018

checksum: 0xA470B925

ATHSDK SVN Revision: 6350

Firmware bin file md5sum: 1cbdb21d3efc668003905e0130d7d8a1

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- a. Fix FOTA FW upgrade sometimes fail .
- b. Fix APP issue: HNAP SetFactoryDefault can't response before DUT reboot.

Note:

- c. .

Known Issue:

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Firmware Version: ver2.00b27

Firmware Date: Fri, 02, Nov, 2018

KERNEL: 2.6.36, SVN Revision: 6345, Date: Mon, 05 Nov 2018

Application: SVN Revision: 6346, Date: Mon, 05 Nov 2018

WLAN Version: SVN Revision: 6280, Date: Fri, 19 Oct 2018

checksum: 0xE038CB2D

ATHSDK SVN Revision: 6346

Firmware bin file md5sum: b5472ad3be2f290a3a842b8b669bb041

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

- a. Fix FOTA FW upgrade fail in repeater mode.
- b. Fix event string error.

Note:

- a. Update default nvram key, need restore default after upgraded FW.

Known Issue:

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Firmware Version: ver2.00b26

Firmware Date: Fri, 02, Nov, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6341, Date: Fri, 02 Nov 2018

WLAN Version: SVN Revision: 6280, Date: Fri, 19 Oct 2018

checksum: 0x3C03924B

ATHSDK SVN Revision: 6342

Firmware bin file md5sum: dbf6b12ec79e3080c2210f89a0548f75

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

1. D-LAB bugs:
 - c. DUT doesn't upgrade automatically at system specific time(DBG18100582)
 - d. The check new firmware shows stable firmware version, not intermediate fw version(DBG18100581).
 - e. The enforce upgrade message keeps popup at WebGUI, but after reset default the enforce upgrade message doesn't popup anymore(DBG18100580).

Note:

- a. Update default nvram key, need restore default after upgraded FW.

Known Issue:

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Firmware Version: ver2.00b24

Firmware Date: Wed, 31, Oct, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6321, Date: Wed, 31 Oct 2018

WLAN Version: SVN Revision: 6280, Date: Fri, 19 Oct 2018

checksum: 0x4B899A19

ATHSDK SVN Revision: 6321

Firmware bin file md5sum: bb43647e96f849e26adb7593caf66875

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

1. Fix 0058750: The S/N and Public Key did not change after user reset default from WebGUI.
2. Upgrade device info file, for enable check new button in FW upgrade page and enable extender SSID/password modify page in setup wizard.

Note:

1. Update default nvram key, need restore default.

Known Issue:

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Firmware Version: ver2.00b23

Firmware Date: Mon, 29, Oct, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6309, Date: Mon, 29 Oct 2018

WLAN Version: SVN Revision: 6280, Date: Fri, 19 Oct 2018

checksum: 0x27F21E20

ATHSDK SVN Revision: 6310

Firmware bin file md5sum: b9cf43e3789f802693018ae1f3ecca03

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

1. Follow SPEC D-Link AP and Router UPnP and mDNS Specification v1.11R.pdf, add hw_version.

Note:

1. Update default nvram key, need restore default.

Known Issue:

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Firmware Version: ver2.00b22

Firmware Date: Fri, 26, Oct, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6308, Date: Sat, 27 Oct 2018

WLAN Version: SVN Revision: 6280, Date: Fri, 19 Oct 2018

checksum: 0x5D7FC200

ATHSDK SVN Revision: 6308

Firmware bin file md5sum: 931be6618d41ade5179df8b5a7b91e9c

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

1. Add LED ON/OFF function.(for APP used only)
2. Add blink red LED when FW upgrade.
3. Fix HNAP GetHostIPv6Status command, xml tag typo.
4. Fix if Radio was disabled, GetWlanRadioSecurity & GetWlanRadioSecurity & GetWlanRadioSettings response ERROR_BAD_RADIOID.
5. Fix D-Lab bug: Time can't sync to correct time zone or NTP Server.
(DBG18100458)
6. Fix D-Lab bug: Enforced Firmware upgrade didn't pop up message.
(DBG18100460)
7. Fix D-Lab bug: After automatic upgrade FW, it can't go to Web UI .
(DBG18100461) (The same issue as TSD bug 0058721).
8. Fix TSD BUGS:
 - A. 0058699: AP Mode - Signal LED would still raise up after mode change from Repeater to AP. (DBG18100436)
 - B. 0058721: FOTA Server - Auto upgrade.(DBG18100461)
 - C. 0058699: AP Mode - Signal LED would still raise up after mode change from Repeater to AP.(DBG18100436)
 - D. 0058675: Security issue - SN and public key did not change after reset default. (DBG18100414)

Note:

2. Update default nvram key, need restore default.

Known Issue:

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Firmware Version: ver2.00b21

Firmware Date: Fri, 19, Oct, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6279, Date: Fri, 19 Oct 2018

WLAN Version: SVN Revision: 6280, Date: Fri, 19 Oct 2018

checksum: 0x664EC72E

ATHSDK SVN Revision: 6281

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

1. Fix GetMultipleHNAPs send not supported command error.
2. Fix HNAP GetNetworkSetting command, xml tag typo.
3. Add MTK patch :
MT7615_LinuxAP_V4.4.2.1_Restrict_CAC_and_Radar_Detect_for_non_DFS_Channel_2018-10-08.patch
4. Fix TSD BUGS:
 - A. Fix 0058585: Smart Wizrd :The WEB page would refresh several times when user open more than 2 web page at the same time on DUT's default(limit login counter is 3)
 - B. Fix 0058589: AP Mode backup DHCP Server

Note:

1. Update default nvram key, need restore default.

Known Issue:

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Firmware Version: ver2.00b20

Firmware Date: Fri, 12, Oct, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6268, Date: Fri, 12 Oct 2018

WLAN Version: SVN Revision: 6223, Date: Thu, 27 Sep 2018

checksum: 0x53B7C7E7

ATHSDK SVN Revision: 6269

SuperMesh Porting Package Version:

2. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20181011_SVN233_addHASHaddCOMPRESS.zip

Function modify:

1. Update DLINK WEBGUI_extender_lite_20181011_SVN233
2. Fix TSD BUGS:
 - C. 0058292: AP Mode - Management - Time & Schedule – Schedule
 - D. 0058293: AP Mode - WiFi Settings – Schedule
 - E. 0058365: Wizard - AP Mode - Terms and User Policy
 - F. 0058491: Wizard - AP Mode - Terms and User Policy
 - G. 0057311: Repeater mode - Management - Time & Schedule – Schedule
 - H. 0058226: AP Mode - Setting - Ethernet - Device Name
 - I. 0058486: AP Mode Settings - Network - Static IP would FAIL to access
 - J. 0058487: AP Mode Settings - Extender - 2.4GHz WiFi password cannot change.
 - K. 0058221: (Kernel Panic)Supermesh - Test Case 3.5.2 - Uplink Change (KERNEL Panic)
 - L. 0057592: (Kernel Panic) when provisioned with Master AP by WPS.
 - M. 0058198: (kernel Panic)Supermesh - Test Case 3.5.2 - Uplink Change test
 - N. 0058043: (Kernel Panic)Supermesh - Test Case 3.1.1.1.1(provisioned by WPS)
 - O. 0058266: AP Mode - cannot get DHCP IP after using a period of time

- P. 0057541: Supermesh - Test Case 3.2.6 – Schedule
- Q. 0057542: Supermesh - Test Case 3.2.6 - Time

Note:

- 2.

Known Issue:

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Firmware Version: ver2.00b19beta07

Firmware Date: Fri, 28, Sep, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6231, Date: Fri, 28 Sep 2018

WLAN Version: SVN Revision: 6223, Date: Thu, 27 Sep 2018

checksum: 0x515AE5DE

ATHSDK SVN Revision: 6232

SuperMesh Porting Package Version:

- 3. supermesh_DAP-1620-v1.04.01-20180927.zip

HNAP GUI Version:

WEBGUI_extender_lite_20180823_SVN201_addHASHaddCOMPRESS.zip

Function modify:

- 3. Disable MACRepeaterEn= after mesh provision, for fix kernel panic issue
- 4. Update SuperMesh Porting Package.
- 5. fix 0057311 wlan schedule not works
- 6. fix 0058226 Restore to Default, Cancel setup wizard and change device name, DUT's IP become to default
- 7. update WIFI_RAM_CODE_MT7615.bin for fix MTK V4.4.2.1 performance unstable issue.

Note:

- 3. beta FW enable telnet.

Known Issue:

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Firmware Version: ver2.00b19

Firmware Date: Tue, 18, Sep, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6201, Date: Tue, 18 Sep 2018

WLAN Version: SVN Revision: 6180, Date: Mon, 17 Sep 2018

checksum: 0x227F4887

ATHSDK SVN Revision: 6202

SuperMesh Porting Package Version:

4. supermesh_DAP-1620-v1.03.01-20180820.zip
5. 0907 dlink_mesh.o & meshm.ko (for disable CONFIG_DOT11W_PMF_SUPPORT)

HNAP GUI Version:

WEBGUI_extender_lite_20180823_SVN201_addHASHaddCOMPRESS.zip

Function modify:

1. Fix 0058184: Supermesh - Test Case 3.1.1.1.9(LED behavior on Mesh AP via WPS method)
2. Fix 0058043: Supermesh - Test Case 3.1.1.1.1(provisioned by WPS)
3. Fix 0058183: Supermesh - Test Case 3.1.1.1.9(Connect Mesh AP via WPS method)
4. 0057592: Supermesh - Provisioned by WPS method cannot succeed.
5. 0058274: Repeater Mode - Setting - Ethernet - Device Name
6. Fix 0058226: AP Mode - Setting - Ethernet - Device Name
7. 0058226: AP Mode - Setting - Ethernet - Device Name
8. 0057551: Setting - AP Mode & Repeater Mode - GUEST SSID.

Note:

1. Use none NPTL toolchain (update toolchain buildroot-gcc463-1620B_supermesh_v5.tar.bz2).
2. Nvram modified: need do reset to default, after upgrade FW.

3. Support DID use MP tool write in.

Known Issue:

1. LED does not work well, waiting for next porting package optimization.

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Firmware Version: ver2.00b18beta06

Firmware Date: Tue, 18, Sep, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6192, Date: Tue, 18 Sep 2018

WLAN Version: SVN Revision: 6180, Date: Mon, 17 Sep 2018

checksum: 0x3BC2F1B7

ATHSDK SVN Revision: 6193

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.03.01-20180820.zip
2. 0907 dlink_mesh.o & meshm.ko (for disable CONFIG_DOT11W_PMF_SUPPORT)

HNAP GUI Version:

WEBGUI_extender_lite_20180823_SVN201_addHASHaddCOMPRESS.zip

Function modify:

1. Middle FW for generate DID in MP info.
After upload FW, can check did in <http://192.168.0.50/did.txt>
(This hidden page will remove at next FW version.)

Important note: need upgrade this middle FW before upgrade 2.00b19

Note:

1. Use none NPTL toolchain (update toolchain buildroot-gcc463-1620B_supermesh_v5.tar.bz2).
2. Nvram modified: need do reset to default, after upgrade FW.
3. Support DID use MP tool write in.

Known Issue:

1. LED does not work well, waiting for next porting package optimization.

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Firmware Version: ver2.00b18

Firmware Date: Fri, 07, Sep, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6156, Date: Fri, 07 Sep 2018

WLAN Version: SVN Revision: 6156, Date: Fri, 07 Sep 2018

checksum: 0xE249F4C6

ATHSDK SVN Revision: 6158

SuperMesh Porting Package Version:

1. supermesh_DAP-1620-v1.03.01-20180820.zip
2. 0907 dlink_mesh.o & meshm.ko (for disable CONFIG_DOT11W_PMF_SUPPORT)

HNAP GUI Version:

WEBGUI_extender_lite_20180823_SVN201_addHASHaddCOMPRESS.zip

Function modify:

1. Fix TSD bugs:
 - 1) 0057579: Web GUI should jump directly to the wizard when user entering the web GUI for the first time or DUT reset to default
 - 2) 0057592: Provisioned by WPS method cannot succeed.
 - 3) 0057590: AP console print many error log "check_wlan_sche: ra0/rax0 sche_name error".
 - 4) 0057551: Setting - AP Mode & Repeater Mode - GUEST SSID
 - 5) 0057608: Supermesh - Connection Loss and reconnect intermittently
 - 6) 0057311: Management - Time & Schedule - Schedule
 - 7) 0057582: Add step of wizard. (Dlink will Provide UI code)
 - 8) 0057578: Sometimes, DUT will log out automatically and return to login page after user login to home page
 - 9) 0057580: Existing Network information doesn't display after directly close the wizard window after press "Click to repair" button
 - 10) 0057537: Supermesh - Wireless Setting - Smart Connect
 - 11) 0057550: Supermesh - Test Case 3.6 - Guest Zone Network SSID
 - 12) 0057451: Supermesh - Test Case 3.6 - Guest Zone Network
 - 13) 0057542: Supermesh - Test Case 3.2.6 – Time
 - 14) 0057541: Supermesh - Test Case 3.2.6 – Schedule

- 15)0057539: Supermesh - Test Case 3.2.4
- 16)0057530: HNAP Test - Web GUI Login Password changed, can't finish HNAP test with HNAP tool HNAPs_2018_07_30)
- 17)0057437: Home - Connected Devices – HOSTNAME
- 18)0057583: Still have traffic after LAN is disconnected

- 2. Support https.

Note:

- 1. Use none NPTL toolchain (update toolchain buildroot-gcc463-1620B_supermesh_v5.tar.bz2).
- 2. Nvram modified: need do reset to default, after upgrade FW.
- 3. Support DID use MP tool write in.

Known Issue:

- 1. LED does not work well, waiting for next porting package optimization.

Firmware Version: ver2.00b17

Firmware Date: Tue, 07, Aug, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6077, Date: Tue, 07 Aug 2018

WLAN Version: SVN Revision: 6042, Date: Wed, 18 Jul 2018

checksum: 0x6ED43E0D

ATHSDK SVN Revision: 6078

SuperMesh Porting Package Version:

supermesh_DAP-1620-v1.00.01_20180626.zip

Function modify:

1. Add & Update HNAP command:
 GetDeviceSettings → remove none used command from lists.
2. Change HNAP version in MDNS info to 0202

Note:

4. Use none NPTL toolchain (update toolchain
 buildroot-gcc463-1620B_supermesh_v5.tar.bz2).
5. Nvram modified: need do reset to default, after upgrade FW.

Known Issue:

2. DID need add from MP tool.

Firmware Version: ver2.00b16

Firmware Date: Thu, 31, Jul, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6075, Date: Tue, 31 Jul 2018

WLAN Version: SVN Revision: 6042, Date: Wed, 18 Jul 2018

checksum: 0x265BE750

ATHSDK SVN Revision: 6075

SuperMesh Porting Package Version:

supermesh_DAP-1620-v1.00.01_20180626.zip

Function modify:

1. Add & Update HNAP command:
 - GetWiFiSONSettings → follow mail 2018/7/26 :RE DAP1620 B1 Super Mesh Integration dis meeting-- After SVN79
 - GetFOTARegistration → get info from FOTA
 - StartFirmwareDownload GetFirmwareStatus → FOTA support
2. Add FOTA function support.
3. Web GUI update:
 - WEBGUI_extender_lite_20180725_SVN167_addHASHaddCOMPRESS.zip
 - deviceinfo_Cameo0726.zip
4. Fix TSD bugs:
 - A. 0057374: Firmware upgrade: DUT would fallback to backup mode after doing firmware upgrade from GUI. .
 - B. 0057401: Supermesh – Remove: DUT won't restore to default after DIR-1360 execute "Remove" from list in Extender menu.
 - C. 0057315: Management - Time & Schedule: The NTP function did not work.(need FOTA environment)
 - D. 0057311: Management - Time & Schedule: The Schedule did not work accordingly from setting
 - E. 0057437: Home - Connected Devices – HOSTNAME: The hostname can't be modify after setting applied.
5. vendor_api: modify:
 - A. modify apson_sb_get_ntp get time error.
 - B. modify apson_sb_reset_to_default.

Note:

1. Use none NPTL toolchain (update toolchain buildroot-gcc463-1620B_supermesh_v5.tar.bz2).
2. Nvram modified: need do reset to default, after upgrade FW.

Known Issue:

1. DID need add from MP tool.

=====

Firmware Version: ver2.00b15

Firmware Date: Fri, 20, Jul, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6063, Date: Fri, 20 Jul 2018

WLAN Version: SVN Revision: 6042, Date: Wed, 18 Jul 2018

checksum: 0x67E6F638

ATHSDK SVN Revision: 6063

Function modify:

1. Add & Update HNAP command:
 - SetMultipleActions
 - GetWiFiSONSettings
 - SetWiFiSONSettings
 - GetDeviceSettings
 - GetClientInfo
 - GetWPSSettings
 - SetWPSSettings
 - GetWlanRadios
 - SetClientInfo
2. Fix Schedule function not workable.
3. vendor_api: add & modify:
 - A. Add WPAORWPA2-PSK type in apson_sb_set_service_wlan & apson_sb_set_guest_wlan & apson_sb_get_wlan_all.
 - B. change tz_location setting to apson_sb_set_administration (and by pass null value).
4. MESH bugs:
 - A. Fix "inSSIDer tool scan, I can't see DAP-1620 SSID/BSSID" after mesh provision.

Note:

1. Use none NPTL toolchain (update toolchain buildroot-gcc463-1620B_supermesh_v5.tar.bz2).
2. Nvram modified: need do reset to default, after upgrade FW.

Known Issue:

1. UI do FW upgrade fail, when click too many send FW button, Wait UI update.

2. HNAP GetInterfaceStatisticsHistory not support.

=====

Firmware Version: ver2.00b14

Firmware Date: Fri, 13, Jul, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6038, Date: Fri, 13 Jul 2018

WLAN Version: SVN Revision: 6035, Date: Fri, 13 Jul 2018

checksum: 0xF0B85077

ATHSDK SVN Revision: 6039

Function modify:

5. Add & Update HNAP command:

SetTriggerAPValidate

GetMACFilters2

SetMACFilters2

DelMACFilters2

GetFOTARegistration

GetEventNotification

SetEventNotification

GetFirmwareAutoUpdate

SetFirmwareAutoUpdate

GetLEDStatus

SetLEDStatus

SetDeviceSettings

GetDeviceSettings

6. Fix 2.00b12mesh07 still sometimes FW upgrade fail, use HNAP FW upgrade command.

7. fix WPS kernel panic issue.

8. Update HNAP UI: use package

WEBGUI_extender_lite_20180704_SVN132_addHASH.zip

9. fix HNAP 5G sitesurvey fail.

10. Fix apson api not save value.

Note:

3. Use none NPTL toolchain.

4. Recovery mode & boot loader (fix LED) need update.

5. Nvram modified: need do reset to default, after upgrade FW.

Firmware Version: ver2.00b12mesh07

Firmware Date: Wed, 27, Jun, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 6003, Date: Wed, 27 Jun 2018

WLAN Version: SVN Revision: 5989, Date: Tue, 26 Jun 2018

checksum: 0x65C6CC2F

ATHSDK SVN Revision: 6003

Function modify:

11. Update supermesh package: supermesh_DAP-1620-v1.00.01_20180626.zip.
12. vendor_api: add & modify
 - apson_sb_set_wps_ap_mode
 - apson_sb_set_schedule_rule
 - apson_sb_set_wps
 - apson_sb_set_ntp
 - apson_sb_get_schedule_rule
 - apson_sb_get_wps
 - apson_sb_get_ntp
13. Update new HNAP WEB GUI:
 - WEBGUI_extender_lite_20180517_SVN79_Cameo.zip
14. Add & Update HNAP command:
 - SetScheduleSettings
 - GetScheduleSettings.
15. Fix sometimes FW upgrade fail.
16. Update MTK Bandsteering_Plus_20171102.rar patch.
17. Add when set_wps_ap_mode set 1, push the WPS PBC button, only trigger downlink WPS(for super mesh).

Note:

6. Use none NPTL toolchain.
7. Recovery mode & boot loader (fix LED) need update.
8. Nvram modified: need do reset to default, after upgrade FW.

=====

Firmware Version: ver2.00b12mesh05

Firmware Date: Tue, 05, Jun, 2018

KERNEL: 2.6.36, SVN Revision: 5929, Date: Tue, 29 May 2018

Application: SVN Revision: 5944, Date: Tue, 05 Jun 2018

WLAN Version: SVN Revision: 5936, Date: Tue, 05 Jun 2018

checksum: 0x0C39601F

ATHSDK SVN Revision: 5944

Function modify:

1. MOSQUITTO: patch supermesh-20180526\mosquitto_patch (supermesh-20180526.zip).
2. WIFI Driver: update dlink_mesh.o (supermesh-20180526.zip).
3. MESH LIB: update libs. (supermesh-20180526.zip)
4. vendor_api: set_service_wlan & set_guest_wlan, add runtime change.
5. Update new HNAP GUI: WEBGUI_extender_lite_20180402_SVN52.zip
6. Add HNAP command: GetTimeSettings, SetTimeSettings, SetScheduleSettings.
7. MOSQUITTO config: remove certfile support.
8. Fix br0 & eth2 MAC different issue (after upgrade FW need restore default again).
9. Support Dnsmasq-2.79.

Note:

1. Use none NPTL toolchain.
2. Update default bin for no-cal. (DAP-1620B1 20180525 e2p.bin)
3. Porting package: supermesh-20180526.zip

=====

Firmware Version: ver2.00b12mesh04

Firmware Date: Tue, 15, May, 2018

KERNEL: 2.6.36, SVN Revision: 5752, Date: Tue, 16 Jan 2018

Application: SVN Revision: 5878, Date: Tue, 08 May 2018

WLAN Version: SVN Revision: 5866, Date: Tue, 08 May 2018

Wireless Domain: 0x3A

checksum: 0x5A977C58

ATHSDK SVN Revision: 5879

Function modify:

1. Supermesh first release.

Note:

1. Use NPTL toolchain
2. Porting package: supermesh-20180516

=====

Firmware Version: ver2.00b11

Firmware Date: Tue, 06, Feb, 2018

KERNEL: 2.6.36, SVN Revision: 5752, Date: Tue, 16 Jan 2018

Application: SVN Revision: 5767, Date: Thu, 01 Feb 2018

WLAN Version: SVN Revision: 5763, Date: Fri, 19 Jan 2018

checksum: 0xC019A563

ATHSDK SVN Revision: 5767

Function modify:

1. Fix 0054387: User will can't access DUT by LAN or wireless after some setting.
2. Fix 0053551: After power off the connected router, user can't access to DUT by LAN.

Firmware Version: ver2.00b10

Firmware Date: Thu, 25, Jan, 2018

KERNEL: 2.6.36, SVN Revision: 5752, Date: Tue, 16 Jan 2018

Application: SVN Revision: 5764, Date: Tue, 23 Jan 2018

WLAN Version: SVN Revision: 5763, Date: Fri, 19 Jan 2018

checksum: 0x8AE7A479

ATHSDK SVN Revision: 5764

Function modify:

1. Modify bulk upgrade function reported by CRD.

=====

Firmware Version: ver2.00b09

Firmware Date: Tue, 16, Jan, 2018

KERNEL: 2.6.36, SVN Revision: 5598, Date: Fri, 06 Oct 2017

Application: SVN Revision: 5746, Date: Wed, 10 Jan 2018

WLAN Version: SVN Revision: 5737, Date: Fri, 29 Dec 2017

checksum: 0x856CAD73

ATHSDK SVN Revision: 5750

Function modify:

1. Add FW encryption Spec.

=====

Firmware Version: ver2.00b08

Firmware Date: Tue, 12, Dec, 2017

KERNEL: 2.6.36, SVN Revision: 5598, Date: Fri, 06 Oct 2017

Application: SVN Revision: 5717, Date: Fri, 08 Dec 2017

WLAN Version: SVN Revision: 5723, Date: Tue, 12 Dec 2017

checksum: 0x919D0871

ATHSDK SVN Revision: 5724

Function modify:

1. Fixed wpa2_security_vulnerability_issue (update new patch).

=====

Firmware Version: ver2.00b07
Firmware Date: Mon, 04, Dec, 2017
KERNEL: 2.6.36, SVN Revision: 5598, Date: Fri, 06 Oct 2017
Application: SVN Revision: 5701, Date: Fri, 01 Dec 2017
WLAN Version: SVN Revision: 5699, Date: Fri, 01 Dec 2017
checksum: 0xEE649C97
ATHSDK SVN Revision: 5706

Function modify:

1. Patch MTK WIFI Driver fix smart connect not workable .
2. Enable Kernel SMP for fix throughput issue (2G+5G-->930).
3. Fix WPS downlink sometimes fail when in uplink is connect. → 0053526: The downlink WPS often fail in FW 2.00b05.
4. Enable beamforming (ETxBfEnCond=1).
5. Fix sometimes sitesurvey band4 not found, in opensite.
6. Patch WIFI driver for fix calibration fail.

Note:

1. Upgrade WIFI Driver version to v4421.
2. Upgrade SDK version to v5030.
3. MT7615_LinuxAP_V4.4.2.1_BandSteering_Enhancement_2017-11-02.patch

Firmware Version: ver2.00b05
Firmware Date: Thu, 06, Oct, 2017
KERNEL: 2.6.36, SVN Revision: 5598, Date: Fri, 06 Oct 2017
Application: SVN Revision: 5601, Date: Fri, 06 Oct 2017
WLAN Version: SVN Revision: 5588, Date: Thu, 05 Oct 2017
checksum: 0xB447B525
ATHSDK SVN Revision: 5603

Function modify:

1. 0053282: Press reset H/W button, found the DUT will not load default.
2. 0052062: Veriwave test will cause DUT hang up
3. 0053283: After enable the captcha verify function, the web interface will not display the captcha correctly

4. 0051440: Ever happen DUT hang → please disable smart connect and test, we found it error when smart connect enable, still wait MTK update to fix this issue.

Note:

4. Upgrade WIFI Driver version to v4421.
5. Upgrade SDK version to v5030.
6. This Version smart connect have problem, still wait MTK response.

Firmware Version: ver2.00b04

Firmware Date: Thu, 07, Sep, 2017

KERNEL: 2.6.36, SVN Revision: 5573, Date: Wed, 30 Aug 2017

Application: SVN Revision: 5578, Date: Mon, 04 Sep 2017

WLAN Version: SVN Revision: 5577, Date: Mon, 04 Sep 2017

checksum: 0xAE1C3ED0

ATHSDK SVN Revision: 5580

Note:

1. Fix 0051440: Ever happen DUT hang
 2. Adjust partition size, to prepare for DLINK Homezone feature.
 3. Upgrade WIFI Driver version to v4420.
-

Firmware Version: ver2.00b03

Firmware Date: Wed, 28, Jun, 2017

KERNEL: 2.6.36, SVN Revision: 5538, Date: Wed, 28 Jun 2017

Application: SVN Revision: 5537, Date: Wed, 28 Jun 2017

WLAN Version: SVN Revision: 5507, Date: Thu, 08 Jun 2017

checksum: 0x39E82A75

ATHSDK SVN Revision: 5539

Note:

1. Fix 0051426: When use windows connection tool to connect to DUT, sometimes will post please enter PIN code box.
2. Fix 0051656: Ever happen a issue, the key error when disable smart connect and save setting.
3. Fix 0051642: When set repeater security as "''''''''''''''''''''", will cause key error
4. Fix 0051624: Sometimes the security value will auto change to mess security value.
5. Fix 0051632: Device name take effect error
6. Fix extender page 2.4G channel show channel 0.
7. Fix when use 1620B repeater connect to 1620B AP mode, APmode wireless client list have 3 clients.
8. add patch from MTK L2CachePatchV2.

=====

Firmware Version: ver2.00b02

Firmware Date: Thu, 08, Jun, 2017

KERNEL: 2.6.36, SVN Revision: 5449, Date: Mon, 15 May 2017

Application: SVN Revision: 5509, Date: Thu, 08 Jun 2017

WLAN Version: SVN Revision: 5507, Date: Thu, 08 Jun 2017

checksum: 0x37608C0D

ATHSDK SVN Revision: 5510

Note:

1. Update MTK WIFI Driver from v4.4.4.1 to 4.4.4.2.
2. Add SmartConnect Feature, need do restore to default, SmartConnect default is enable.

3. Fix TSD bug: 0051427: Save setting to Harddrive fail, and user will receive error message.
4. Fix TSD bug: 0051440: Ever happen DUT hang
5. Fix TSD bug: 0051569: When save the SSID as 32 ' , like " ", key as 12345678, The SSID and key auto saved as blank.
6. Fix TSD bug: 0051568: When save the SSID as 20 ' , like " ", will saved as error value.
7. Fix TSD bug: 0051490: When set 5G security as " ", the 5G key will be blank after saved.
8. Fix TSD bug: 0051488: When set 5G security as " ", the 2.4G item will disappear.
9. Fix TSD bug: 0051486: When set security key as " ", The SSID & security key will be blank
10. Fix TSD bug: 0051491: When set 5G security as 'reboot', the 5G key will be 'reboot'
11. Fix TSD bug: 0051483: The WIFI security key will be error after save the key 'reboot'
12. Fix TSD bug: 0051512: When use DUT to connect to uplink router by WIFI will show the status is by WIRE.
13. Fix TSD bug: 0051470: The security key sometimes will be error
14. Fix TSD bug: 0051523: Use D-Link QRS tool 1.5.1.3 can't login DUT.
(Note: remove GetSmartConnectSetting HNAP command for QRS APP setting, because if QRS mobile APP get GetSmartConnectSetting result, APP can't save setting and can't do next step, it might be APP's bug.
So, use QRS mobile APP not support smart connect setting)
15. Fix TSD bug: 0051515: When DUT1 is AP mode, DUT2 can't get IP from Uplink router.

Firmware Version: ver2.00b01

Firmware Date: Thu, 18, May, 2017

KERNEL: 2.6.36, SVN Revision: 5449, Date: Mon, 15 May 2017

Application: SVN Revision: 5469, Date: Fri, 19 May 2017

WLAN Version: SVN Revision: 5375, Date: Wed, 26 Apr 2017

checksum: 0xFD6088F2

ATHSDK SVN Revision: 5469

Note:

1. Rename version from 1.00 to 2.00 for B1.
 2. Fix Client list info display, remove ipv6 address always show UNKNOW (not support) and icon show 2.4G or 5G picture.
 3. Support DLINK require, once input http://{device-ip}/HNAP1/ will device support get all support SOAP action. *(need restore default)
 4. Fix setupwizard WPS can't success.
 5. Add auto detect LAN port DHCP, for setupwizard Ethernet setting flow.
-

Firmware Version: ver1.00b03

Firmware Date: Wed, 17, May, 2017

KERNEL: 2.6.36, SVN Revision: 5449, Date: Mon, 15 May 2017

Application: SVN Revision: 5463, Date: Wed, 17 May 2017

WLAN Version: SVN Revision: 5375, Date: Wed, 26 Apr 2017

checksum: 0x1145C776

ATHSDK SVN Revision: 5463

Note:

1. Fix "Save Settings To Local Hard Drive" function.
 2. Fix "Load Settings From Local Hard Drive" function.
 3. Fix "Check New Firmware" function.
 4. Add check new HNAP http header HNAP_AUTH & Cookie for CSRF test.
 5. Fix sometimes HW reset button not work.
 6. Fix setupwizard finish, not save 5G AP setting.
 7. Fix DLINK hidden page, version.txt need login.
 8. Fix AP mode can't get IP.
 9. Fix Client list info display error.
-

Firmware Version: ver1.00b02

Firmware Date: Fri, 12, May, 2017

KERNEL: 2.6.36, SVN Revision: 5354, Date: Fri, 21 Apr 2017

Application: SVN Revision: 5443, Date: Fri, 12 May 2017

WLAN Version: SVN Revision: 5375, Date: Wed, 26 Apr 2017

checksum: 0xCB4D08B9

ATHSDK SVN Revision: 5443

Note:

1. Support D-LINK new HNAP extender GUI.

Firmware Version: ver1.00b01

Firmware Date: Fri, 28, Apr, 2017

KERNEL: 2.6.36, SVN Revision: 5354, Date: Fri, 21 Apr 2017

Application: SVN Revision: 5376, Date: Wed, 26 Apr 2017

WLAN Version: SVN Revision: 5375, Date: Wed, 26 Apr 2017

checksum: 0xDA2F79CE

ATHSDK SVN Revision: 5378

Note:

- 1.First release