

Project Name: DCH-S150

HW version: A2

Region/OEM code: Default

WLAN Domain: US/NA / FCC

Channel List:

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

Firmware Query URL:

http://wrpd.dlink.com/router/firmware/query.aspx?model=DCH-S150_Ax_Default

Flash size: 8MB

DRAM size: 32MB

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Firmware: v1.23 Build: 01

Hardware: A2

Date: Jan, 3, 2018

Firmware External Version: V1.23

Firmware Internal Version: V1.23b01

Date: Wed, 3 Jan 2018

Kernel: 2.6.31, B0032, Date=Wed, 3 Jan, 2018

Apps: 1.1, B0168, Date=Wed, 3 Jan, 2018

WLAN Driver: AR9531, 10.1.478, B0012, Date=Wed, 3 Jan, 2018

Checksum: 0x0655D71B

Problems Resolved:

1. Updated lighttpd from v1.4.35 to v1.4.48 for a basic HTTP authentication vulnerability before v1.4.36
2. Fixed key reinstallation attacks: forcing nonce reuse in WPA2

Enhancements:

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Firmware: v1.22 Build: 06

Hardware: A2

Date: Feb, 3, 2016

Firmware External Version: V1.22

Firmware Internal Version: V1.22b06

Date: Wed, 3 Feb 2016

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0141, Date=Wed, 03 Feb, 2016

WLAN Driver: AR9531, 10.1.478, B0011, Date=Wed, 9 Dec, 2015

Checksum: 0x06565C77

Problems Resolved:

1. Fixed DUT executed the same schedule rule twice at the same time
2. Fixed when DUT was unable to obtain an IP address from an uplink router, the power led would be changed from blinking orange to static green if DUT had detected a motion

Enhancements:

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Firmware: v1.22 Build: 05

Hardware: A2

Date: Jan, 25, 2016

Firmware External Version: V1.22

Firmware Internal Version: V1.22b05

Date: Mon, 25 Jan 2016

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0138, Date=Mon, 25 Jan, 2016

WLAN Driver: AR9531, 10.1.478, B0011, Date=Wed, 9 Dec, 2015

Checksum: 0x0655EA7E

Problems Resolved:

1. Removed mDNS http service
2. Fixed the General action(E-Mail and Push Notification) did not work when DUT had two policies and the first policy was disabled
3. Updated miicasa launcher to v0.10

Enhancements:

1. Supported Firmware Requirement for the DCH Agent Integration_V1.14

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Firmware: v1.22 Build: 04

Hardware: A2

Date: Dec, 24, 2015

Firmware External Version: V1.22

Firmware Internal Version: V1.22b04

Date: Thu, 24 Dec 2015

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0132, Date=Thu, 24 Dec, 2015

WLAN Driver: AR9531, 10.1.478, B0011, Date=Wed, 9 Dec, 2015

Checksum: 0x0652E86C

Problems Resolved:

1. Basic function test.
2. Supported IFTTT.

Enhancements:

1. Supported Firmware Requirement for the DCH Agent Integration_V1.13
2. Supported D-Link HNAP for General Policy and Event v1.29

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Firmware: v1.22 Build: 03

Hardware: A2

Date: Dec, 10, 2015

Firmware External Version: V1.22

Firmware Internal Version: V1.22b03

Date: Thu, 10 Dec 2015

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0130, Date=Thu, 10 Dec, 2015

WLAN Driver: AR9531, 10.1.478, B0011, Date=Wed, 9 Dec, 2015

Checksum: 0x06539136

Problems Resolved:

1. Basic function test.
2. Redirect to login page when user open version.txt not authenticated.
3. Call fw upgrade in the background by daemon.

4. Update wireless driver.

Enhancements:

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Firmware: v1.22 Build: 02

Hardware: A2

Date: Nov, 11, 2015

Firmware External Version: V1.22

Firmware Internal Version: V1.22b02

Date: Wed, 11 Nov 2015

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0120, Date=Wed, 11 Nov, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x0654F541

Problems Resolved:

1. Fixed MDNS TXT date "dcs= 24601" should "Sink", AP mode connected to uplink (using WPS and uplink set security mode "none")
2. Fixed GetPolicy no response by local request.

Enhancements:

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Firmware: v1.22 Build: 01

Hardware: A2

Date: Nov, 06, 2015

Firmware External Version: V1.22

Firmware Internal Version: V1.22b01

Date: Fri, 06 Nov 2015

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0117, Date=Fri, 6 Nov, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x0654E130

Problems Resolved:

1. Basic function test.
2. Add fw build time to system default time.
3. Add DCH_ID field into version.txt.

Enhancements:

1. Supported D-Link Specification for Time Synchronization v1.00.

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Firmware: v1.21 Build: 01

Hardware: A2

Date: Sep, 14, 2015

Firmware External Version: V1.21

Firmware Internal Version: V1.21b01

Date: Mon, 14 Sep 2015

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0111, Date=Mon, 14 Sep, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x06556BD5

Problems Resolved:

1. Basic function test.
2. Fixed login fail response different message may cause security issue.
3. Update schedule behavior, follow up current schedule to turn on/off module after set schedule info.
4. Set system time after bootup.
5. Fixed get startLink twice.
6. Fixed IPv4 SYN-ACK Flood DoS.
7. Fixed IPv4 UDP Flood DoS.

Enhancements:

1. Supported Firmware Requirement for the DCH Agent Integration_V1.11

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Firmware: v1.20 Build: 10

Hardware: A2

Date: Jul, 28, 2015

Firmware External Version: V1.20

Firmware Internal Version: V1.20b10

Date: Tue, 28 Jul 2015

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0106, Date=Tue, 28 Jul, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x06257B1F

Problems Resolved:

1. Basic function test.
2. Disable ap interface country info.
3. Update socket non-blocking for create connect and set timeout for 3 sec.
4. Update send data timeout 5 sec for waiting response.
5. Fixed clear schedule hnap result error.

Enhancements:

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Firmware: v1.20 Build: 09

Hardware: A1

Date: Jul, 17, 2015

Firmware External Version: V1.20

Firmware Internal Version: V1.20b09

Date: Fri, 17 Jul 2015

Kernel: 2.6.31, B0031, Date=Fri, 17 Jul, 2015

Apps: 1.1, B0103, Date=Thu, 16 Jul, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x06255185

Problems Resolved:

1. Full function test.
2. Fixed sometimes connect to device ap interface fail.
3. Fixed state change report fill "null" value in mid.
4. Fixed database will missing some data when database update to new version.
5. Fixed SetScheduleSettings.
6. Update miiicasa launcher v0.09 and agent v1.0.17

7. Only add ethernet into bridge at mp mode.
8. Fixed Get/Set Multiple HNAP result tag error.

Enhancements:

1. Supported Firmware Requirement for the DCH Agent Integration_V1.09.
2. Supported D-Link Bonjour Specification for DCH Client v1.04R.

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Firmware: v1.20 Build: 06

Hardware: A1

Date: Jun, 30, 2015

Firmware External Version: V1.20

Firmware Internal Version: V1.20b06

Date: Tue, 30 Jun 2015

Kernel: 2.6.31, B0029, Date=Mon, 22 Jun, 2015

Apps: 1.1, B0094, Date=Tue, 30 Jun, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x0627C703

Problems Resolved:

1. Only the latest reactor to push notification.
2. Fixed missing the device name in report status 120231.
3. Fixed wrong SequenceNo in PushDCHEvent.
4. Fixed SetScheduleSettings result error.
5. Update site survey time to 8 second.
6. XML value of all description tag in HNAP can be empty.
7. Update miiicasa agent v1.0.14.
8. Fixed policy not work when different MAC address case with MP data.
9. Fixed policy should not send 420010/420011 to cloud.

Enhancements:

1. Supported D-Link HNAP for Generic Connected Home Client Device v1.24
2. Supported Firmware Requirement for the DCH Agent Integration_V1.08

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Firmware: v1.20 Build: 04

Hardware: A1

Date: Jun, 18, 2015

Firmware External Version: V1.20

Firmware Internal Version: V1.20b04

Date: Thu, 18 Jun 2015

Kernel: 2.6.31, B0028, Date=Thu, 18 Jun, 2015

Apps: 1.1, B0089, Date=Thu, 18 Jun, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x06282C16

Problems Resolved:

- 10. Fixed SetScheduleSettings xml differ as spec order, it will response ERROR_BAD_ScheduleInfo.
- 11. Fixed not send PushDCHEvent when policy's action id is 420010 or 420011.
- 12. Fixed recursive schedule not work.
- 13. Fixed GetDCHPolicy response <PolicyList/>, if none rule settings.
- 14. Fixed vulnerability in http's cookie header
- 15. Update miiicasa agent v1.0.12.

Enhancements:

- 3. Support D-Link HNAP for General Policy and Event v1.25
- 4. Support D-Link HNAP for Generic Connected Home Client Device v1.23
- 5. Support Firmware Requirement for the DCH Agent Integration_V1.07

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Firmware: v1.20 Build: 03

Hardware: A1

Date: Jun, 11, 2015

Firmware External Version: V1.20

Firmware Internal Version: V1.20b03

Date: Thu, 11 Jun 2015

Kernel: 2.6.31, B0026, Date=Tue, 21 Apr, 2015

Apps: 1.1, B0084, Date=Thu, 11 Jun, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x0627ABD2

Problems Resolved:

16. Fixed only run the schedule that have been apply.
17. After migrate, clear all schedule.
18. Update miiicasa agent v1.0.10.

Enhancements:

6. Supported D-Link HNAP for Generic Connected Home Client Device v1.22R
7. Supported D-Link HNAP for DCH Cloud Service_V1.01
8. Supported D-Link Bonjour Specification for DCH Client v1.04

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Firmware: v1.20 Build: 01

Hardware: A1

Date: May, 15, 2015

Firmware External Version: V1.20

Firmware Internal Version: V1.20b01

Date: Fri, 15 May 2015

Kernel: 2.6.31, B0027, Date=Wed, 06 May, 2015

Apps: 1.1, B0077, Date=Fri, 15 May, 2015

WLAN Driver: AR9531, 10.1.478, B0009, Date=Wed, 18 Mar, 2015

Checksum: 0x062744A2

Problems Resolved:

19. Support Miiicasa cloud.

Enhancements:

9. Supported D-Link HNAP for Generic Connected Home Client Device v1.21R.
10. Supported D-Link HNAP for General Policy and Event v1.21.
11. Supported D-Link HNAP for Motion Sensor_Motion Detector v1.11.
12. Supported D-Link HNAP for DCH Cloud Service_V1.00.
13. Supported Firmware Requirement for the DCH Agent Integration_V1.06
14. Supported D-Link Bonjour Specification for DCH Client v1.02
15. Supported D-Link New HNAP Authentication and Password Encryption_V1.05
16. Supported D-Link AP and Router HiddenPage Guidelines v1.07
17. Supported D-Link Router Firmware Version Query and Download Spec

v1.14

18. Supported Specification of D-Link AP and Router Reset and Recovery Mode v1.02. except Recovery Mode

19. Supported D-Link HNAP for Generic Connected Home Client Device v1.21R.

- GetDeviceSettings/SetDeviceSettings
- GetDeviceSettings2/SetDeviceSettings2
- GetGroupSettings/SetGroupSettings
- GetSystemLogs / CleanSystemLogs
- GetModuleProfile/SetModuleProfile
- GetModuleGroup/ SetModuleGroup
- GetModuleSchedule/SetModuleSchedule
- GetModuleEnabled/SetModuleEnabled
- GetModuleSOAPActions
- IsDeviceReady
- Reboot
- GetFirmwareStatus
- GetFirmwareValidation
- StartFirmwareDownload
- PollingFirmwareDownload
- SetFactoryDefault
- GetInternetSettings
- GetWlanRadios
- SettriggerADIC
- SetTriggerWirelessSiteSurvey
- GetSiteSurvey
- GetAPClientSettings/SetAPClientSettings
- GetCurrentInternetStatus
- GetTimeSettings/SetTimeSettings
- GetScheduleSettings / SetScheduleSettings
- GetRecursiveSchedule / SetRecursiveSchedule
- GetMultipleHNAPs/SetMultipleHNAPs