

dd

# **WAP6807 Generic**

Firmware Release Note

V1.00(ABTB1)b15\_C0

Date: Dec 04, 2020  
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## Revision History

Date	Release	Author	Description
2019/08/29	1.0	ChihWei Chen	V1.00(ABTB.0)b1 firmware release
2019/09/09	1.1	ChihWei Chen	V1.00(ABTB.0)b2 firmware release
2019/09/12	1.2	ChihWei Chen	V1.00(ABTB.0)b3 firmware release
2019/09/23	1.3	ChihWei Chen	V1.00(ABTB.0)b4 firmware release
2019/10/01	1.4	ChihWei Chen	V1.00(ABTB.0)b5 firmware release
2019/10/09	1.5	ChihWei Chen	V1.00(ABTB.0)b6 firmware release
2019/11/11	2.1	ChihWei Chen	V1.00(ABTB.1)b1 firmware release
2019/12/13	2.2	ChihWei Chen	V1.00(ABTB.1)b2 firmware release
2020/01/13	2.3	ChihWei Chen	V1.00(ABTB.1)b3 firmware release
2020/01/15	2.4	ChihWei Chen	V1.00(ABTB.1)b4 firmware release
2020/01/17	2.5	ChihWei Chen	V1.00(ABTB.1)b5 firmware release
2020/02/04	2.6	ChihWei Chen	V1.00(ABTB.1)b6 firmware release
2020/02/19	2.7	ChihWei Chen	V1.00(ABTB.1)b7 firmware release
2020/03/11	2.8	YenLing Liu	V1.00(ABTB.1)b9 firmware release
2020/04/20	2.9	YenLing Liu	V1.00(ABTB.1)b10 firmware release
2020/05/22	2.10	YenLing Liu	V1.00(ABTB.1)b11 firmware release
2020/06/24	2.11	ChihWei Chen	V1.00(ABTB.1)b12 firmware release
2020/09/08	2.12	ChihWei Chen	V1.00(ABTB.1)b14 firmware release
2020/12/04	2.13	ChihWei Chen	V1.00(ABTB.1)b15 firmware release

## WAP6807 Generic V1.00(ABTB.1)b15\_C0 Release Note

Date: Dec 04, 2020

### Supported Platforms

Zyxel WAP6807

### Versions

Bootbase Version: V1.06 | 03/11/2020 09:41:55

Firmware version : V1.00(ABTB.1)b15\_C0

Kernel version: 3.10.108

2.4G WLAN code version: 4.1.2.1

5G WLAN code version: 5.0.4.0

### Notes

N/A

### Default Settings in Firmware

TBD

### Public Domain Software Announcements

Open Source Used in product	Version	From (Source)	License Terms	Modified / Used
BusyBox	1.23.2	<a href="http://www.busybox.net/">http://www.busybox.net/</a>	GPLv2	Modified
clinkc	2.4	<a href="http://www.cybergarage.org/cgi-bin/twiki/view/Main/CyberLinkForC">http://www.cybergarage.org/cgi-bin/twiki/view/Main/CyberLinkForC</a>	BSD	Modified
curl	7.40.0	<a href="https://curl.haxx.se/download.html">https://curl.haxx.se/download.html</a>	curl license	Modified
dnsmasq	2.73	<a href="http://packages.gentoo.org/">http://packages.gentoo.org/</a>	GPLv2+GPL	Modified

			v3	
Dropbear	2015.67	<a href="http://matt.ucc.asn.au/dropbear/">http://matt.ucc.asn.au/dropbear/</a>	MIT	Modified
easycwmp	1.8.1	<a href="http://www.easycwmp.org/index.php/downloads">http://www.easycwmp.org/index.php/downloads</a>	GPLv2	Modified
Expat	1.95.8	<a href="https://github.com/libexpat/libexpat/releases">https://github.com/libexpat/libexpat/releases</a>	MIT	Used
fstools	2015-02-25.1	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/fstools">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/fstools</a>	GPL-2.0	Modified
json-c	0.12	<a href="https://s3.amazonaws.com/json-c_releases/releases/index.html">https://s3.amazonaws.com/json-c_releases/releases/index.html</a>	MIT	Modified
jsonfilter	2014/6/19	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/utils/jsonfilter">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/utils/jsonfilter</a>	ISC	Used
libiwiinfo	2015/6/1	<a href="https://github.com/openwrt/openwrt/tree/openwrt-18.06/package/network/utils/iwiinfo">https://github.com/openwrt/openwrt/tree/openwrt-18.06/package/network/utils/iwiinfo</a>	GPLv2	Modified
libmicroxml	2015/3/18	<a href="https://github.com/pivasoftware/microxml">https://github.com/pivasoftware/microxml</a>	microxml License	Used
libnl-tiny	0.1	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/libs/libnl-tiny">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/libs/libnl-tiny</a>	GPLv2	Used
libpcap	1.5.3	<a href="https://github.com/the-tcpdump-group/libpcap">https://github.com/the-tcpdump-group/libpcap</a>	BSD	Modified
libubox	2015/11/8	<a href="https://github.com/yubo/libubox">https://github.com/yubo/libubox</a>	BSD 2-Clause	Modified
linux-atm	2.5.2	<a href="http://sourceforge.net/">http://sourceforge.net/</a>	GPLv2	Modified
Lua	5.1.5	<a href="http://www.lua.org/download.html">http://www.lua.org/download.html</a>	MIT	Modified
luci	git-20.039.36 269-8b16835 -1	<a href="https://github.com/openwrt/luci/tree/openwrt-19.07/collections/luci">https://github.com/openwrt/luci/tree/openwrt-19.07/collections/luci</a>	Apache-2.0	Modified
LZO	2.08	<a href="http://www.oberhumer.com/opensource/lzo/#download">http://www.oberhumer.com/opensource/lzo/#download</a>	GPLv2	Used
mbed TLS	1.3.14	<a href="https://tls.mbed.org/download">https://tls.mbed.org/download</a>	GPLv2	Used
memtester	4.3.0	<a href="http://pyropus.ca/software/memtester/">http://pyropus.ca/software/memtester/</a>	GPLv2	Used
miniupnpd	1.6	<a href="http://miniupnp.tuxfamily.org/files/">http://miniupnp.tuxfamily.org/files/</a>	BSD	Used
nbtscan	1.5.1a	<a href="http://www.inetcat.org/software/nbtscan.html">http://www.inetcat.org/software/nbtscan.html</a>	GPLv2	Used

ncurses	5.9	<a href="http://t2sde.org/packages/ncurses.html">http://t2sde.org/packages/ncurses.html</a>	MIT	Modified
netifd	2015/12/16	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/network/config/netifd">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/network/config/netifd</a>	GPL v2	Modified
odhcp6c	2015/7/29	<a href="https://git.openwrt.org/?p=project/odhcp6c.git">https://git.openwrt.org/?p=project/odhcp6c.git</a>	GPLv2	Used
odhcpd	2015/11/19	<a href="https://git.openwrt.org/?p=project/odhcpd.git">https://git.openwrt.org/?p=project/odhcpd.git</a>	GPLv2	Used
openssl	1.0.2h	<a href="https://www.openssl.org/source/">https://www.openssl.org/source/</a>	OpenSSL and SSLeay	Modified
Opkg	0.1.8	<a href="https://code.google.com/archive/p/opkg/L">https://code.google.com/archive/p/opkg/L</a>	GPLv2	Modified
ppp	2.4.7	<a href="https://ppp.samba.org/download.html">https://ppp.samba.org/download.html</a>	BSD-4-Clause AND GPL-2.0-only AND GPL-2.0+ AND zlib AND LGPL-2.0+	Modified
procd	2015-10-29.1	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/procd">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/procd</a>	LGPL v2.1	Modified
Readline	6.3	<a href="https://tiswww.case.edu/php/chet/readline/rltop.html">https://tiswww.case.edu/php/chet/readline/rltop.html</a>	GPLv3	Modified
rpcd	42551	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/rpcd">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/rpcd</a>	ISC	Used
SQLite	3.6.23.1	<a href="https://www.sqlite.org/download.html">https://www.sqlite.org/download.html</a>	SQLite License	Used
tcpdump	4.5.1	<a href="https://www.tcpdump.org/index.html#source">https://www.tcpdump.org/index.html#source</a>	BSD	Modified
ubox	42330	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/ubox">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/ubox</a>	GPL v2	Used
ubus	2015/5/25	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/ubus">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/ubus</a>	LGPL 2.1	Used
uci	2015-08-27.1	<a href="https://github.com/openwrt/openwrt/tree">https://github.com/openwrt/openwrt/tree</a>	LGPL-2.1	Used

		<a href="/openwrt-19.07/package/system/uci">/openwrt-19.07/package/system/uci</a>		
uhttpd	2015/11/8	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/network/services/uhttpd">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/network/services/uhttpd</a>	ISC	Used
usign	2015/5/8	<a href="https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/usign">https://github.com/openwrt/openwrt/tree/openwrt-19.07/package/system/usign</a>	ISC	Used
util-linux	2.25.2	<a href="https://github.com/karelzak/util-linux">https://github.com/karelzak/util-linux</a>	GPLv2+	Modified
Wi-Fi Test Suite	v9.0.0	<a href="https://www.wi-fi.org/certification/wi-fi-test-suite">https://www.wi-fi.org/certification/wi-fi-test-suite</a>	Wi-Fi Alliance (ISC License)	Modified
wireless_tools	0.29	<a href="http://www.linuxfromscratch.org/blfs/view/cvs/index.html">http://www.linuxfromscratch.org/blfs/view/cvs/index.html</a>	GPLv2	Modified
zlib	1.2.8	<a href="https://www.zlib.net/">https://www.zlib.net/</a>	Zlib	Used

## Known issues

Modules	Issue	Risk Impact Information
WiFi	[#114541] Not support clone SSID on AP mode when Easymesh unavailable.	Limitation
IGMP	[#113241] IGMP snooping failed on LAN port. Streaming will flood to another LAN port.	
Wireless	[#114330] Android mobile HTC 10 cannot connect WAP6807 on 2.4G.	
Wireless	[#114254] WAP6807 cannot connect to special characters SSID.	
Wireless	[#114701] MacBook Pro 10.13.5 client cannot connect WAP6807 2.4G WiFi.	2.4G issue
ROM-D	Not support ROM-D (Do not select/clear ROM-D on Expressboot)	
Wireless	2.4G backhaul cannot work when disable EasyMesh.	
dynamic role	1. Not support Easymesh runtime dynamic role change.	MTK limitation



	2. Need restore to default before re-onboarding to new controller. 3. Need open network capability for auto switch role to controller.	
TR-069	Not support TR069 2.4G backhaul information.	
EasyMesh	Need repairing when upgrade from phase1 to phase2 firmware.	
Wireless	[#122624] Not support space character on SSID	
TR-069	Not support TR098 Layer2 device parameter.	
GUI	Cannot change channel on GUI when device is AP controller.	
Wireless	Will disable radar detect on repeater mode	
LED	Switching AP/RP mode rapidly may cause LED abnormal	

## Modifications in 1.00(ABTB.1)b15

### ● Feature Enhancement

Modified Modules	Features Enhancement List
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### ● Bug Fixed

Modified Modules	Bug Fixed List
EasyMesh	[#136171] Modify guest wifi on WAP6807_AP Controller, the RP_Agent will disappear in controller mesh topology and not sync new wifi setting.
App	[#129501] Sometimes client connect to controller via wifi, the connection Type is wrong
LED	[#136144][LED] Power LED/Link LED still Blinking after WPS 120s timeout.
TR-069	[#129524] DUT return incorrect faultcode when SPV a

	read-only parameter
DST	[#134415][Wireless] Channel BandWidth for 2.4G is 20MHz, not match DST.
	[#136564][MPro Mesh_Agent] All extender can not connect with controller backhal when controller channel skip to Band 4 157 (rate : 4 times/ 3 days )

## Modifications in 1.00(ABTB.1)b14

### ● Feature Enhancement

Modified Modules	Features Enhancement List
EasyMesh	Import EasyMesh binary from MTK provide easymesh source code
LED	Support LED behavior when device disabled the easymesh.
Wireless	Modify channel bandwidth on GUI(obss enable)
Lifemote	Support Lifemote Agent parameters for TR069
Wireless	[#134415] TMNL request that EU of wifi country code on WAP6807
Config	[#134230] Encryption of back up config file.
GUI	[#134675][TMNL] WAP6807 Feature Request - has to block auto-password filling feature of browser

## Modifications in 1.00(ABTB.1)b12

### ● Feature Enhancement

Modified Modules	Features Enhancement List
Wireless	[#128644][MTK patch] After WAP6807(RP mode) onboarding, reboot GW/RP, and WAP6807 cannot connect to Gateway any more (probability: 1/10)
DST	remove the NTP server "pool.ntp.org" and replace that with "clock.fmt.he.net"
Wireless	Support clone SSID with space character
LED	Adjust sensitivity for signal LED.

EasyMesh	Wapp daemon will happen resource temporarily unavailable when overnight test
----------	--

### ● Bug Fixed

Modified Modules	Bug Fixed List
EasyMesh	Fix EasyMesh's mapd memory leak issue
LED	[#129409] [LED][MPro Mesh] WAP_AP link led display solid amber, it should display solid green.
Wireless	[#120932][Clone] Used WPS to connect DrayTek GW (non easymesh and 2.4G only). DUT's 2.4G and 5G main SSID did not be clone if no connect GW to internet.
GUI	[#128883][MPro Mesh] 5G wifi setting on GUI still can be configurable when OneSSID is enabled.
APP	[#129328][MPro Mesh Agent] Login MPro Mesh APP failed if modify new login password by GUI.
APP	[#129322][MPro Mesh_Agent] Upgrade fw from non-support MPro Mesh fw to support MPro Mesh fw w/o reset default then modify wifi SSID/ PreSharedKey on MPro Mesh APP, it only apply to 2.4G but 5G doesn't apply.
LED	[#123976] [Wi-Fi] The signal LED should not show Amber even 5G back-haul show Disconnected (RP mode) (Happen times: 1/1)
APP	[#129322][MPro Mesh_Agent] Upgrade fw from non-support MPro Mesh fw to support MPro Mesh fw w/o reset default then modify wifi SSID/ PreSharedKey on MPro Mesh APP, it only apply to 2.4G but 5G doesn't apply.
APP	[#128877][MPro Mesh_Agent] When reboot Extender_RP, the uplink info will display from "TooClose" to "Good" and the connection type will become to "Wire" on APP.
EasyMesh	[#129286] [Wireless] VMG8825-T50K set 2.4G Channel is 12 or 13, WAP6897 can't synchronize successfully
EasyMesh	[#129163] [MPro Mesh] WAP_RP disconnected and cannot connect back T50 WiFi_Backhaul in 4F office.

## Modifications in 1.00(ABTB.1)b11

### ● Feature Enhancement

Modified Modules	Features Enhancement List
Wireless	One SSID feature
Rom convert	[Rom convert] Enable One SSID feature.
GUI	[GUI] Remove "Apply", "Reset" button in some situation - "Wireless" > "WiFi configuration" > Config one of interface > "Stations" tab - "Wireless" > "WiFi configuration" > Config of main SSID > "WPS" tab
TR-069	[Feature]TR069 LAN Ethernet Interface Config parameters
Config	Disable 802.11r by default.
LED	For TMNL, change the wps blinking from Wifi LED (Green 2Hz) to Signal LED (Amber 4Hz)
LED	PWR LED needs to blink during easymesh autconfig interval
LED	PWR LED and signal LED need to blink together during wps interval
Button	Change WPS button interval from 8sec to 3sec.
Button	After the device is automatically configured, prevent wps from HW btn triggering the backhaul interface again.
GUI	Remove auto fill username when logging in GUI
TR-069	Lifemote(Download Script for TR069)

### ● Bug Fixed

Modified Modules	Bug Fixed List
GUI	[#123326][Controller] GUI's 2.4G/5G main/MBSS cannot allow the user to change Auth Mode to "WPA PSK/WPA2 PSK mix" in AP mode.

GUI	[#121908][MPro Mesh] Disable then Enable WAP_RP 5G interface, it cannot connect back T50K 5G backhaul.
GUI	[#118173][LED] The DUT panel WiFi/WPS LED should light off when 2.4G & 5G Main SSID interface are disabled
Wireless	[#124031][Wi-Fi] If WAP6807 as AP Controller and 2.4G & 5G interface Guest 1 SSID WPS function should can be modify
Wireless	[#120042][MPro Mesh] AP controller mode, modify 2.4G main SSID/ PreSharedKey setting, it doesn't apply SSID setting. 5G main wifi doesn't sync with 2.4G main SSID/ PreSharedKey.
GUI	[GUI] After apply main SSID configuration, the WPS of main SSID will show disable on GUI.
APP	[#121899][MPro Mesh Agent] APP can't discriminant 2nd RP in the layer 2
APP	[#122027][MPro Mesh Agent] Extender should show gray out in home page when disconnected extender
APP	[#123393][MPro Mesh APP_Agent] When one end device (iPhone series) client to connected controller wifi by Link Quality is weak and try to login APP will lead Agent crash
System	Patch for fixing Kr00K vulnerability for 2.4G WiFi
EasyMesh	[#124419] VMG8825&WAP6807 Easy Mesh sometimes will lost connection after 4 days
Wireless	iOS's iCloud cannot backup issue
TR-069	[#120568][TR098] GPV `InternetGatewayDevice.LANDevice.1.WLANConfiguration.1.SSID and BSSID are empty for 5G backhaul
TR-069	[#120472][TR098] GPV `InternetGatewayDevice.DeviceInfo.SoftwareVersion`=1.00(ABTB.1)b2. It should be V1.00(ABTB.1)b2
Wireless	Change DFS radar scan threshold
Wireless	Fix vulnerable to Data injection to WPA-protected network (CVE-2019-18991)
LED	[#128638] WAP6807 change AP mode to RP mode, power LED behavior is abnormal

LED	[#128647] WAP6807 LED behavior different on first reboot and second reboot.
LED	[#128651] [LED] Connect WAP6807 to VMG8825-T50K by Ethernet cable, Reset WAP6807 to factory default by GUI, WAP6807 power LED is solid red after WAP6807 onboarding. (happen rate: 1/3)
Wireless	Samsung S10 did not show in mib using random MAC
Wireless	[#128880][MPro Mesh] Modify main or Guest 2.4G SSID or PreSharedKey, it will apply to 5G but 2.4G doesn't.
Wireless	[#128692] WAP6807 can not connect to GW after change AP mode to RP mode

## Modifications in 1.00(ABTB.1)b10

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	iOS's iCloud cannot backup issue

## Modifications in 1.00(ABTB.1)b9

### ● Feature Enhancement

Modified Modules	Features Enhancement List
Version	Change FW version to 1.00(ABTB.1)b9

## Modifications in 1.00(ABTB.1)b7

### ● Feature Enhancement

Modified Modules	Features Enhancement List
LED	[Feature enhance][LED] Let Wi-Fi LED blinking more smooth.

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	[#123181][Controller Repeater] After reboot DUT,

	Controller cannot rescan to connect with GW.
APP	[#121896][MPro Mesh Agent] Controller after do Add Mesh process with Extender success, the extender should get IP address and DNS IP in APP Detail page
APP	[#121890][MPro Mesh Agent] APP Guest WiFi sometimes show "OFF" status even controller check/uncheck hide guest wifi
APP	[#121930][MPro Mesh Agent] Clients doesn't shown in Guest Device region when client connected wifi via guest wifi
GUI	[#118140][GUI] When AP mode easymesh not work, GUI will show error word.
DHCP	[#122438]When DUT's WAN IP reach DHCP release time, DUT send Renew packet. VMG8825-T50K 's Lan DHCP server offer new IP. DUT will become no IP and cannot obtain new IP.
DHCP	[#123180]DUT reconnect back with GW Hauwei HG659. GW will offer another new IP. DUT cannot obtain this new IP.
LED	[#123216] [LED] Wi-Fi LED frequency is not stable 4 Hz
Wireless	[#123344] DUT connect with legacy GW 2.4G, Connect/Disconnect wire cable to switch AP/RP mode. When back to repeater mode, DUT always scan 2.4G and 5G channel and cannot connect with GW.
APP	[#121909] [MPro Mesh_Agent] App will quickly leads to the completion page when client does Add Mesh process
APP	[#121272] [MPro Mesh_Agent] APP can't do Internet Blocking

● **Issue can't be duplicated & Request to Retest**

Modified Modules	Bug Fixed List

## Modifications in 1.00(ABTB.1)b6

### ● Feature Enhancement

Modified Modules	Features Enhancement List
Loop detection	[FEATURE] Loop detection for Legacy GW
LED	[FEATURE] Extended power LED bootup blinking time.
Wireless	[FEATURE] After happen DFS Radar detect, don't change channel in Repeater mode

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	[#122001][MPro Mesh] Reboot WAP_RP, it doesn't connect back T50K immediately.
Wireless	[#122220][MPro Mesh] OnBoarding needs to take 10mins with WAP6807_RP.
Wireless	[#121988] [WLAN]WAP6807 doesn't reconnect to VMG8825-T50K immediately
Wireless	[#120377] WAP6807 can't reconnect to gateway after uplink fail
GUI	[#121937] [GUI] GUI's Device Configurations 2.4G or 5G page show incorrect mode.
GUI	[#122372] [MPro Mesh] It can see WiFi_Backhaul SSID on Wireless Configuration GUI page.
APP	[#121924][MPro Mesh_Agent] APP often pop up "Timeout" warning message
APP	[#121983][MPro Mesh Agent] APP stay in main or Device List page, sometimes can't see no one clients or extenders information
Wireless	[#122217] [Legacy GW] When DUT disconnected with Legacy GW Hauwei HG659, DUT cannot reconnect back any more. Even if reboot DUT or press WPS pairing again, DUT could not re-scan to connect again.



APP	[#121976][MPro Mesh Android] APP can't reboot Extender (WAP6807)
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- **Issue can't be duplicated & Request to Retest**

Modified Modules	Bug Fixed List
Wireless	[#122336] [WPS] When WAP6807 as AP Controller and 5G WPS function should be work fine

## Modifications in 1.00(ABTB.1)b5

- **Feature Enhancement**

Modified Modules	Features Enhancement List
EasyMesh	Disable 2.4G backhaul connectivity in EasyMesh network.
Wireless	Disable DFS radar detect.

- **Bug Fixed**

Modified Modules	Bug Fixed List
APP	[#121932][MPro Mesh_Agent] APP should not support Parental Control information in Device Detail page
APP	[#121980][MPro Mesh APP] APP can't modify Extender or End_user name
System	[#121850] [System] Restore backup configuration file, it doesn't apply setting on WAP.

- **Issue can't be duplicated & Request to Retest**

Modified Modules	Bug Fixed List
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## Modifications in 1.00(ABTB.1)b4

- **Feature Enhancement**

Modified Modules	Features Enhancement List
Rom convert	[Rom convert] Convert backhaul information for EasyMesh.

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	[#121792] [MPro Mesh] WiFi_Backhaul SSID is 32 bytes, it's not follow PS defined. (PS defined 31 bytes)

## Modifications in 1.00(ABTB.1)b3

### ● Feature Enhancement

Modified Modules	Features Enhancement List
Rom convert	[Rom convert] SSID & key rom convert when phase1 to phase2 firmware.
EasyMesh	[FEATURE] Fix role of EasyMesh if EasyMesh decide role when auto mode

### ● Bug Fixed

Modified Modules	Bug Fixed List
EasyMesh	[#120081][MPro Mesh] Layer1 Extender cannot successfully pair layer2 extender by WPS
EasyMesh	[#120060][MPro Mesh_Agent] After Add Mesh_RP1,RP2 and RP3, APP can search 4 controllers in Device Found page
EasyMesh	[#117761][EasyMesh] WAP6807 Extender AP mode cannot auto sync GW wireless settings
MPro App	[#121276] [MPro Mesh_Android] APP can't reboot WAP (WAP6807) and controller
MPro App	[#121257] [MPro Mesh Agent] When modify wifi settings extender can't sync with controller
Auto mode detect	[#120937] Use WPS connect to Hauwei gateway(non easymesh), After 5G repeater uplink established, DUT auto detect mode to become AP mode.
TR-069	[#120452] [TR098] GPV `InternetGatewayDevice.X_ZYXEL_DeviceMode`, it's

	incorrect.
MPro App	[#120326] [MPro Mesh_Agent] APP Add Mesh process sometimes doesn't work rate : 1/10
MPro App	[#120312] [MPro Mesh_iOS] APP can't login
Band Steering	[#120293] [MPro Mesh] Band Steering & AP Roaming cannot verify due to STAs RSSI value always 0.
EasyMesh	[#120258] [MPro Mesh] WiFi_Backhaul SSID & PreSharedKey doesn't auto generate & unique per device.
GUI	[#120255] [MPro Mesh] 2.4G Guest-3 & 5G Guest-3 is backhaul interface but it doesn't be hidden on GUI and it can be configurabled now.
EasyMesh	[#120252] [MPro Mesh] If Extender(WAP6807) is AP mode, it doesn't sync wifi setting from controller and it's device role is controller.
Wireless	[#120248] [Wifi] Sometimes console reset default, 2.4G main SSID will show Multi-AP-24G-1.(1/20)
GUI	[#120230] [MPro Mesh] When EasyMesh function is eanbled, 2.4G/ 5G WPS function on GUI, it's still can be configurabled.
Wireless	[#120217] [2.4G backhaul] DUT's 2.4G backhaul will disconnect then rescan 5G. After not found, DUT reconnect back to 2.4G backhaul. Then LAN/WLAN clients cannot ping GW anymore.
Wireless	[#120149] [Wifi] 5G main wifi lose and channel change to 2.4 channel 1.
Wireless	[#120140] [MPro Mesh] GW change channel causes topology Error, repeater becomes loop
EasyMesh	[#120050] [MPro Mesh] OnBoarding failed.
TR-069	[#120571] [TR098] When easyMesh role is agent, DUT still allow to setting WIFI. Repeater connection will disconnect then reconnect.
EasyMesh	[#120002][MTK patch][MPro Mesh] No associated client found issue
EasyMesh	[#119442][MPro Mesh] WAP6807 onboarding via wired

	to VMG8825-T50K fail
GUI	[#113324] [WLAN] Repeater & AP mode 2.4G/5G "MAC Filter" is invalid
EasyMesh	[#113324] [MPro Mesh_Agent] After Add Mesh RP1, RP2 and RP3 success, 3 extenders device doesn't show in APP main page
APP	[#121269] [MPro Mesh_Agent] Controller status is always show "Disconnect" and MAC is N/A in Detail information page
APP	[#121266] [MPro Mesh_Agent] APP Internet Status is always show "Offline" in Home page
EasyMesh	[#120571] [TR098] When easyMesh role is agent, DUT still allow to setting WIFI. Repeater connection will disconnect then reconnect.
EasyMesh	[#120005] [MPro APP] After WAP reboot and STA reconnect, will only have 2.4G capability in mib sta information
EasyMesh	[#119434] [MPro Mesh] WAP6807 RP should not able to connect other AP or RP with same SSID but not in EasyMesh network

## Modifications in 1.00(ABTB.1)b2

### ● Feature Enhancement

Modified Modules	Features Enhancement List
Rom convert	Support rom convert.
STUN	Support STUN
LED	LED behavior for 2.4G
System	AP/Repeater mode Auto detection (loop detection)
TR-069	Support TR-069 setting Wi-Fi when controller mode.
APP	Support MPro Mesh APP
EasyMesh	Support EasyMesh auto mode.
TR-069	Support TR-098 LANDevice, Time parameter
EasyMesh	Change Backhaul SSID to 4 <sup>th</sup> SSID.

GUI	GUI enhancement to merge WiFi config & EasyMesh pages
Wireless	Support 2.4G backhaul.
Wireless	Support 2.4G backhaul SSID clone
TR-069	Change default periodic inform timer to 86400
Wireless	Enable power table base on CE certificate

### ● Bug Fixed

Modified Modules	Bug Fixed List
EasyMesh	[#118181][EasyMesh] DUT restore config fail (EasyMesh enable/disable)
LED	PWR LED lights wrong when we use "atgo"
TR-069	[#118250][TR098] When GPV "InternetGatewayDevice.", DUT will reply faultcode 9005.

### ● Issue can't be duplicated & Request to Retest

Modified Modules	Bug Fixed List

## Modifications in 1.00(ABTB.1)b1

### ● Feature Enhancement

Modified Modules	Features Enhancement List
TR-069	Support TR-069 parameters base on WAP6807_TR098_support_list_1107.xls.
Easymesh	Support Easymesh agent role.

### ● Bug Fixed

Modified Modules	Bug Fixed List
IPv6	[IPv6] WAP6807 should not send ICMPv6 Router advertisement.

## Modifications in 1.00(ABTB.0)b8

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	[#118840] [WPS][Repeater] Use HW WPS connect to the gateway, WAP6807 will difficult to connect successfully.
Wireless	[#118841] [Wifi] If CAC did not end, the user to scan gateway, WAP6807 2.4G&5G SSID will not synchronize.

## Modifications in 1.00(ABTB.0)b7

### ● Feature Enhancement

Modified Modules	Features Enhancement List
TR-069	TR069 support WiFi associate device parameter.
Button	Support wps button switch AP/Repeater mode.
LED	Green ON: Boot up finish, and device is in repeater mode Amber ON: Boot up finish, and device is in AP mode

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	[#116254][Wireless] Default 2.4G & 5G Channel are different from the DST value.
Wireless	[#115719] [Stress] After 5F multi NB 2.4G/5G WLAN overnight stress test with DFS channel Radar, backhaul disconnected. DUT always re-scan all channels. DUT's downlink 5G did not send beacon out. All 32 NB

	connected with DUT's 2.4G.
EasyMesh	[#117854] [EasyMesh] Upgrade fw from non-support EasyMesh fw to support EasyMesh fw, the Current Device Role will be Controller by default.

## Modifications in 1.00(ABTB.0)b6

### ● Feature Enhancement

Modified Modules	Features Enhancement List
TR-069	[TR-069]Support connection request URL in inform.
TR-069	[TR-069]Support https for tr069.

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	[#113169][WLAN] GW channel changes will cause WAP6807 repeater to fail to reconnect
Wireless	[#113172] [WLAN] WAP6807 repeater restarting uplink will not rescan AP connections
GUI	[#113323] [GUI] The "Scan Wireless Network" page shows that the RSSI value of AP is 100 regardless of long distance or near
Wireless	[#113711] [WLAN] WPS uplink time-out will not connect the original GW-1.
Wireless	[#114298] [Wireless] When setting Wifi 5G channel to 116 or Weather channel 120, 124, 128 via GUI, ASUS AC88 (support band 3 100~140CH) cannot see DUT's SSID.
Wireless	[#114299] [WPS] Sometimes use the WPS method to connect with gateway VMG8825-T50K, repeater connection cannot be established. It had happened call trace one time.
Wireless	[#114497] [Interoperability] 5F ios phone test iop fail.
Wireless	[#115207] [WPS] When WPS120 seconds timeout and fail, WPS LED will stop blinking. After around 30~80

	seconds, DUT will connect with gateway. Pairing SSID didnot be saved. Clone SSID failed.
GUI	[#113983] [Wireless] Channel BandWidth is "80 MHz only" or "40 MHz only", Channel selection still shows all channel, not only for "80 MHz only" or "40 MHz only".

## Modifications in 1.00(ABTB.0)b5

### ● Feature Enhancement

Modified Modules	Features Enhancement List
Wireless	<p>[Band steering]</p> <p>1. WiFi client which doesn't supports BTM: enable force steering (de-auth the device for a few times, if device still wants to connect back, do not de-auth it anymore or try again later)</p> <p>2. WiFi client which support BTM: if client don't accept BTM request from WAP6807, do not force steering. Let it stay in current band or try BTM again later.</p>

### ● Bug Fixed

Modified Modules	Bug Fixed List
Wireless	[#113981][[Wireless] By default, GUI shows 5G Channel =157 in main SSID and Guest 1~3. DUT's country IT not support channel 157 (It's for US). Note: Tool scans DUT's channel. Result is 36.
GUI	[#113395][GUI] Wireless status page information error
Wireless	[#114519][WAP6807][TMNL] WAP cannot get 2.4G/5G setting after WAP pairing.
Wireless	[#114525] [WPS]Use WPS to connect to GW, 5G SSID will show blank and 2.4G SSID will not change
Mesh	[#114418] [Mesh] Band Steering (Idle, No Traffic), Switching 5G to 2.4G is prone to packet loss.
Mesh	[#114419] [Mesh] Band Steering (Client playing Youtube



	and ping), It is easy for wifi client to stop playing YouTube.
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## Modifications in 1.00(ABTB.0)b4

### ● Feature Enhancement

Modified Modules	Features Enhancement List
LED	Implement Signal LED on AP mode.

### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	[#113226][WLAN] WAP6807 repeater by default GUI downlink WPS function is "Disabled"
Stress	[#111933][Stress] Call trace happened on Repeater mode stress test
Wireless	[#114113][Wireless] After reboot gateway, DUT cannot try to auto reconnect with gateway again.
Wireless	[#113598] [WLAN] 6807 by default used HW WPS to connect to GW for first time and was disconnected immediately after connecting.
Wireless	[#114079][Interoperability] Use android mobile to login DUT and Click "Scan Wireless Network". Chrome sill loading.
Wireless	[#114080][Interoperability] Use Apple mobile Safari to login DUT and Click "Scan Wireless Network". Safari will show "Device unreachable" or still loading.
Stress	[#113529][System][Stress] During ACS Firmware Update Loop Test, br-lan interface did not be successful up.
Stress	[#113906] [Stress] Thirty 2.4G wifi clients cannot successfully all connect with DUT in ZyPark stress station. Only 1~4 client connections could be kept.
Config	[#113980][NTP] GUI's TimeZone is incorrect. By default, it's Berlin (GMT+01:00), but GUI shows "UTC".
Wireless	[#114239][Wireless] Use the manual connection to

	setting wifi, WAP6807 should can connection.
Stress	[#113077] [Stress] Call trace happened on Repeater mode stress test (FTP, HTTP torture, Ping, BT, YouTube, no play IPTV)

## Modifications in 1.00(ABTB.0)b3

### ● Feature Enhancement

Modified Modules	Features Enhancement List
WiFi	[WiFi] Modify MT7615 EEPROM size to get pre-k data.
LED	Implement Signal LED and Wifi/WPS LED base on new PS.
WiFi	[WiFi] Modify default random SSID as Zyxel_<last 4 characters of SN>

### ● Bug Fixed

Modified Modules	Bug Fixed List
WiFi	[#113090][WLAN] WAP6807 by default 2.4G/5G Guest(1~3) , Should not be "Enabled"

## Modifications in 1.00(ABTB.0)b2

### ● Feature Enhancement

Modified Modules	Features Enhancement List
WiFi	Implement SSID clone to 2.4G front-haul after pairing

### ● Bug Fixed

Modified Modules	Bug Fixed List
System	[#113088][System][Stress] WiFi over weekend FTP stress causes device IP to disappear
TR-069	[#113393] [TR069] CPE's first inform and periodic inform have incorrect or empty value in parameters
WiFi	[#113048][GUI] Wifi country code is IT, GUI's 2.4G/5G channel cannot match 1~13/band 1, band 2, band 3

DST	[#113341] [DST] Default TimeZone is UTC. It's not same as gateway VMG8825-T50 (GMT+01:00).
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## Modifications in 1.00(ABTB.0)b1

### ● Feature Enhancement

Modified Modules	Features Enhancement List
System	random console/telnet/ssh login password
DHCP	random DHCP host name(+SN address)
Config	Disable EasyMesh by default.
Wireless	5G SSID clone to front-haul after pairing on repeater mode.
Wireless	Random SSID & password
TR-069	Support SN in TR-069 registration
LED	Implement LED behavior base on PS
Button	Implement Button behavior base on PS
GUI	Implement ZyXEL style GUI.
System	dual F/W image support by GUI and TR-069

### ● Bug Fixed

Modified Modules	Bug Fixed List

## Known issues

Modules	Issue	Risk Impact Information
WiFi	[#114541] Not support clone SSID on AP mode when Easymesh unavailable.	Limitation
IGMP	[#113241] IGMP snooping failed on LAN port. Streaming will flood to another LAN port.	
Wireless	[#114330] Android mobile HTC 10 cannot	

	connect WAP6807 on 2.4G.	
Wireless	[#114254] WAP6807 cannot connect to special characters SSID.	
Wireless	[#114701] MacBook Pro 10.13.5 client cannot connect WAP6807 2.4G WiFi.	2.4G issue
ROM-D	Not support ROM-D(Do not select/clear ROM-D on Expressboot)	
Wireless	2.4G backhaul cannot work when disable EasyMesh.	
dynamic role	1. Not support Easymesh runtime dynamic role change. 2. Need restore to default before re-onboarding to new controller. 3. Need open network capability for auto switch role to controller.	MTK limitation
TR-069	Not support TR069 2.4G backhaul information.	
EasyMesh	Need repairing when upgrade from phase1 to phase2 firmware.	
Wireless	[#122624] Not support space character on SSID	
TR-069	Not support TR098 Layer2 device parameter.	
GUI	Cannot change channel on GUI when device is AP controller.	
Wireless	Will disable radar detect on repeater mode	
	Not support backhaul optimization	
	[#116006]Not support kernel image & root-fs checksum.	

### Utility Versions:

Label utility version: random administrator key V1.3, WAP6807\_random WiFi key

## Support Country Code:

2.4G WiFi country code: EU

5G WiFi country code: EU

## Checklist for the items may be related to HW functions

Items	Any change?	Comments
DSL/Modem code	N	
DSL/GE/PON Application/Driver code and setting parameters	N	
Wireless driver (WiFi/3G/WiMAX/LTE..)	N	
VoIP driver & setting	N	
Video decoder driver	N	
Memory access related (like tuning DDR parameters, etc)	N	
Dying gasp	N	
LED behavior	N	
SDK version upgraded	N	mtk-openwrt-cc-v3.6
NAND Flash: File system type change; Partition layout change	N	
Others	N	

## Default Setting

1. Account for console :

Username	Password
root	Random generated when manufactured.(length 8)
admin	Random generated when manufactured.(length 8)

## 2. Account for GUI :

Username	Password
admin	Random generated when manufactured.(length 8)

## 3. Default URL: <http://192.168.1.5>

## Commit ID

V100ABTB0b1: rev.88  
 V100ABTB0b2: rev.101  
 V100ABTB0b3: rev.108  
 V100ABTB0b4: rev.122  
 V100ABTB0b5: rev.130  
 V100ABTB0b6: rev.152  
 V100ABTB0b7: rev.271  
 V100ABTB0b8: rev.274  
 V100ABTB1b1: phase2 rev.225  
 V100ABTB1b2: phase2 rev.325  
 V100ABTB1b3: phase2 rev.403  
 V100ABTB1b4: phase2 rev.411  
 V100ABTB1b5: phase2 rev.423  
 V100ABTB1b6: phase2 rev.456  
 V100ABTB1b7: phase2 rev.471  
 V100ABTB1b9: phase2 rev.471+484+488+490  
 V100ABTB1b10: phase2 rev.471+484+488+490+508+513  
 V100ABTB1b11: phase2 rev.536  
 V100ABTB1b12: phase2 rev.566+569+570  
 V100ABTB1b14: phase2 rev.618-567-568  
 V100ABTB1b15: phase2 rev.656

## **Manufactory Data in V1.00(ABTB.1)b15\_C0**

Firmware Version	: V1.00(ABTB.1)b15_C0
Bootbase Version	: V1.06   03/11/2020 09:41:55
Vendor Name	: ZyXEL Communications Corp.
Product Model	: WAP6807
Serial Number	: S192E23000008
First MAC Address	: 001349423401
MAC Address Quantity	: 04
Default Country Code	: FF
Boot Module Debug Flag	: 00
RAS Checksum	: 8AF65482