

Changelist for CompexWRT

CompexWRT only work on 8MB Flash (or more) and 64MB RAM (or more)

Date Released : 23rd Sept, 2014
Latest Firmware Version (WPJ344) : wpj344_mimoap_v150_b140923.img
* This firmware can support WLE900 Series, WLE600 Series, WLE350 Series, and WLE200 Series
Latest Firmware Version (WPJ342) : wpj342_mimoap_v150_b140923.img
* This firmware can support WLE200 Series ONLY.
Latest Firmware Version (WP546) : wp546-8M_mimoap_v141_b140425.img
* This firmware can support WLM200 Series
Latest Firmware Version (WP543) : wp543-8M_mimoap_v141_b140425.img
* This firmware can support WLM200 Series
Latest Firmware Version (WP72) : wpe72-8M_mimoap_v141_b140425.img
* This firmware can support WLE350 Series and WLE200 Series

Changelog (V150_b140923) - Only for WPJ344/WPJ342. WP543/WP546/WPE72 still undergoing.

1. Buzzer Beeping (For boards with Buzzer)
 - Beep once when power up
 - Beep twice when firmware finish loading
 - Antenna Alignment purposes
2. Added: Can check in to AP Controller
3. Fixed: VLAN tagging issues with different subnet.
4. Added: Dynamic IP working on VLAN Management
5. Fixed: 11ac Link sometimes show 0%, which is incorrect.
6. Fixed: Repeater (AP Mode + Station Mode) does not allow DHCP IP to pass through.
7. Added: India Country Codes add Channels 5845MHz, 5865MHz.
8. Removed: Obey Regulatory Option - This is because all the Transmit Power would follow the Regulatory Option.
9. Added: Set Transmit Power to obey max EIRP specified by Country Code.
10. Changed: Default Channel changed from Auto to Channel 1 (for 2.4GHz) and Channel 36 (for 5GHz)
11. Added: Multicast Enhancement
12. Fixed: Ethernet Auto Transmit Timeout Issue
13. Added: VLAN - Able to use Multiple SSID on a single VLAN ID.
14. Added: Hotspot features added.
15. Fixed: IP changed caused uConfig to not scan for the AP anymore.
16. Fixed: 11ac Link sometime shows 0%, which is incorrect.

Known Issues:

1. If we add VAP of 11ac radio, and then remove it, it might cause instability. It would have the same issue if you control the CompexWRT AP through AP Controller. We are currently looking into this issue.

Known Hotspot Issues:

1. Walled Garden (Domain/IP) not working for certain domain websites.

For eg. yahoo.com.sg, xinmsn.com.sg.

2. Sometimes can't access the web page through ethernet port after changing from default IP to others.

Changelog (V141_b140425)

1. Added: CoovaChilli

2. Added: Buzzer Capability [in Station / Station WDS mode]

3. Added: Check-in to [Beta] Compex AP Controller

Note: CompexWRT AP does not have the webpage to change the check-in IP yet, so have to use manual settings. This will be changed in the next revision.

4. Fixed: 2 x 11n CompexWRT Stations connecting CompexWRT AP with WPA, would cause kernel panic.

5. Added: 20MHz – Increase ACK timeout to 48000ms of distance.

6. Fixed: Memory Leak after a few days of usage.

7. Added(11n/11ac) : When “Obey Regulatory power”, MAX Transmit power would reduce with the antenna gain value.

8. Added(11n/11ac): DFS Antenna Gain Threshold would be “increased” by the Antenna Gain value. DFS radar threshold currently assume that it is using an antenna with 0dBi gain.

9. Changed: Default is 2 LAN ports.

10. Changed: Changes in web interface for the interface selection of the WAN port. Left Port (PoE output), Right Port (PoE input).

11. Changed: Default for 11ac mode is 20/40/80MHz.

12. Changed: Malaysia Country Code: Removed Mid Band in 5GHz.

13. Fixed : Webpage issues

14. Added (11ac) : Transmit Power of 11ac wireless radio

15. Added (11n/11ac): Interference Analyzer

16. Added (11n/11ac): 802.1X security

Known Issues:

1. If we add VAP of 11ac radio, and then remove it, it might cause instability. It would have the same issue if you control the CompexWRT AP through AP Controller. We are currently looking into this issue. T

2. 11ac Link sometime shows 0%, which is incorrect. We are currently looking into this issue. But this is only webpage issue, would not affect operation.

Changelog (V130_b140102)

802.11ac/802.11n

1. Added: WMM (On/Off) option.

Note: Disabling of WMM might cause unexpected performance issues.

2. Added: SNMP Enterprise ID, System Contact, System Location

3. Added: Device Names and IP Addresses of the Stations

Note: Currently only for clients with CDP (Cisco Discovery Protocol)

Note: Only for Station Modes. For Station WDS, we are not able to get the IP Address/Hostnames.

4. Added: CDP Protocol V1/V2 Discovery.
5. Added: UK Band B (5500-5700) and UK Band C (5745-5805)
6. Added: Telnet (On/Off) option.
7. Added: HTTP/HTTPS option.
8. Added: Auto-Reboot Capability
9. Added: Ping Watchdog.
10. Added: Dynamic Channel Selection based on Interference.
During runtime, it would only check its own channel. When the interference has passed a certain threshold, it would then run the "Auto Channels Selection" and find a best channel for use
11. Added: Auto-ACK for 11ac
12. Improved: Throughput for WPJ344 for 11ac improved by 5% to 10%, up to 610Mbps for max TCP throughput.
13. Added: VLAN Management (IEEE802.1q and QinQ compatible)
14. Added: VLAN Switch (IEEE802.1q and QinQ compatible)
15. Fixed: Certain SNMP Parameters does not work well in 802.11ac.
16. Added: Chinese Language Capability. (System → Language and Style)

Known Bugs: 802.11ac would run in 11na mode when using in SuperChannel.

Working on:

1. Outdoor Channel Selection
2. CoovaChilli Capability
3. Bugs: DHCP Client would cause the webpage not being able to open.

Changelog (V123_b131010)

802.11ac/802.11n

1. Added: USB driver [Support USB extension on WPJ344]
2. Fixed: Client cannot connect to some channels in SuperChannel
3. Added: DDNS

Known Bugs: 802.11ac would run in 11na mode when using in SuperChannel.

Changelog (V121_b130919)

802.11ac only

1. Fixed: Performance test failure when using WPA
2. Added: Support for per-chain RSSI information
3. Added: QoS [Limit total upload / download throughput from AP]
4. Added: # of clients are put beside Association Status.

802.11n only

1. Fixed: Client cannot connect to some channels in SuperChannel
2. Fixed: Client can connect to either 2 or 5GHz band, no matter what the selected band is.
3. Added: QoS [Limit total upload / download throughput from AP.
4. Added: # of clients are put beside Association Status.

Changelog (V121_b130912)

1. Added: SuperChannel (2.312GHz – 2.532GHz, 4.92GHz – 6.1GHz)
IMPORTANT NOTE: Compex is not responsible for use of any channels outside of your country regulatory domain. Please check with your country's legal authority before using those channels.
IMPORTANT NOTE: Radio "might" not support certain frequency. Please consult sales in Compex for more information.

Changelog (V120_b130905)

2. Added: SNMP v2 and v3

Changelog (V110_b130605)

3. Added: Reset Button function.

Changelog (V110_b130604)

1. Fixed: Wireless interface at WAN disappear in Physical settings, if switch from PPTP to L2TP or vice versa. It cannot be recovered even after reboot, have to reset the firmware

Changelog (V110_b130531)

1. Initial Firmware