

## **ChangeList**      Date Released : 19<sup>th</sup> Nov, 2009

Latest Firmware Version

(For WP543 ABG) : wp543\_abg\_v112\_b091118.img

(For WP54 ABG) : WP54\_MSSID\_V323\_B091119.IMG

(For WPP54 ABG) : WPP54\_MSSID\_V323\_B091119.IMG

### ***Supported Hardware:***

WP54/WPP54 with WLM54G (Super/Non-Super)

WP54/WPP54 with WLM54AG (Super/Non-Super)

WP54/WPP54 with WLM54G-23 (Super/Non-Super)

WP54/WPP54 with WLM54AG-23 (Super/Non-Super)

WP54/WPP54 with WLM54G-26 (Super/Non-Super)

WP54/WPP54 with WLM54A-26 (Super/Non-Super)

WP54/WPP54 with WLM54G-30 (Super/Non-Super)

### **Changelog:**

**(For WP543 ABG) : wp543\_abg\_v112\_b091118.img**

**(For WP54 ABG) : WP54\_MSSID\_V323\_B091119.IMG**

**(For WPP54 ABG) : WPP54\_MSSID\_V323\_B091119.IMG**

1. Fixed: Cannot change Admin Password.

Symptom: When you change the Admin Password, after reboot, the password still remains the same.

2. Fixed: Channel Lists are wrong in EU Countries, when select SuperA mode.

Symptom: Leaked Channels that are not correct.

3. Fixed: Using WLM54A26 6B, using AP mode, cannot fix channels in DFS Range, using Smart Select.

Symptom: Using SmartSelect/ Fixed Channels, the channels cannot be fixed on the board.

4. Fixed: Using WLM54A26 6B, using Client/ Transparent Client Mode, cannot scan all the channels.

Symptom: Can only scan 4 channels. Now we can scan all the channels.

5. Added: System Identity can be shown on Mikrotik Firmware

Symptom: Using System identity on the webpage, you can change the system identity that appears on the Mikrotik firmware.

6. Fixed: (SPECIFIC for WP54/WPP54)

Complex is able to use space on our MAIN AP SSID. However, on the WDS, we are not able to use "space". This caused the Repeater not to be able to link up with AP if they want to use SSID to link up between AP.

7. Added: (SPECIFIC for WP54/WPP54)

XR function is added to the Long Distance Parameters.

8. Fixed: Using All Complex 802.11a cards, in AP mode, which include:

WLM54AG (Super/Non-Super)

WLM54AG-23 (Super/Non-Super)

WLM54A-26 (Super/Non-Super)

If using DFS channels, with XR enabled, it will encounter Kernel panic.

9. Added: SuperChannel is now FREE. There is no more need to Activation Key.

10. Fixed: Using All Complex 802.11a cards, in Station mode, which include:

WLM54AG (Super/Non-Super)

WLM54AG-23 (Super/Non-Super)

WLM54A-26 (Super/Non-Super)

If using DFS channels, with XR enabled, it will hang during booting up.

## ChangeList

Date Released : 29<sup>th</sup> June, 2009

Attached is the latest firmware ver 3,22b090629

- 1) Add Turbo A channels to EU countries
- 2) WPP54: change "Internal" antenna selection to "Vertical/Internal" and "External" to "Horizontal/External"
- 3) Improve Rate Algorithm.
- 4) Rate Aggressiveness support
- 5) Mikrotik WDS compatibility
- 6) Variable noise floor
- 7) Noise immunity support
- 8) Updated Frequencies in various country code based on new atheros table.

detailed :

### 4- Rate Aggressiveness in the Basic Wireless.

with a range of -3 to 3. A value of 0 disable rate aggressiveness. Minus value is adding aggressiveness.

3. For Rate Algorithm, we changed the Fully Auto rate algorithm to Atheros Rate Algorithm, and it is better than our rate algorithm previously. I have tested it, and it works much better now.

### 5. Mikrotik WDS compatibility.

When Mikrotik is set to ap bridge with dynamic WDS, our transparent client can be recognized as a wds client by Mikrotik.

When Mikrotik is set to station wds, and our AP mode, with rootap enabled, can be recognized as a wds ap by Mikrotik.

### 4. Variable Noise Floor.

Our noise floor is now able to change, unlike previously stuck at -95dBm. This should enhance the value of signal strength, if you are looking at it from the perspective of the negative dBm.

### 5. Adaptive Noise Immunity

This feature can be found under Wireless -> Advanced. Immunity is changed according to the noise received.

For the rate aggressiveness, please do note that we do not work the same way as StarOS. You can see the change in the throughput while you reduce the rate aggressiveness. The transmit rate shown might not be responsive in the beginning, but will change after there is throughput. It is still fully auto after you increase or reduce rate aggressiveness.

-----  
This two things are not working:

1. SuperChannel with 2.4G
  2. SuperA Turbo working with SuperChannel
- 

Thanks,  
Tian Yee