



Software Release Note for STA

This document is property of Ralink Technology, Inc. Transmittal, receipt, or possession of this document does not express, license, or imply any rights to use, sell, design, or manufacture from this information or the software documented herein. No reproduction, publication, or disclosure of this information, in whole or in part, shall be allowed, unless the prior written consent of Ralink Technology, Inc. is obtained.

NOTE: THIS DOCUMENT CONTAINS SENSITIVE INFORMATION AND HAS RESTRICTED DISTRIBUTION.

Product Name	RT2870 Wireless Card
Interface Supported	USB
Install Package Version	RTUSB D2870-1.3.0.0 UI-1.7.1.0_2009_03_10.dmg
RT28xx Driver Version	1.3.0.0
User Interface Version	1.7.1.0
Date	2009-03-10

System Requirement:

Mac OS X 10.5.X or 10.4.X or 10.3.X

Hardware Supported:

Ralink RT2870 chipset USB

Software Supported:

For Mac OS X 10.5.X:

USBWireless -10.5\ USBWireless -Leopard.pkg

For Mac OS X 10.4.X:

USBWireless -10.4\ USBWireless -Tiger.pkg

For Mac OS X 10.3.X:

USBWireless -10.3\ USBWireless -Panther.pkg

Release History:

RTUSB D2870-1.3.0.0 UI-1.7.1.0 2009 03 10.dmg

Driver D2870 - V.1.3.0.0

1. Sync with VSS.
2. Added RT3071/RT3072.

RTUSB D2870-1.2.4.0c UI-1.7.1.0 2009 02 17.dmg

UI - V.1.7.1.0

1. Added country region setting function.
2. Fixed add profile from SiteSurvey page when SSID without nothing.
3. Fixed connect to hidden AP from SiteSurvey page and then reconnect to hidden AP without setting profile when radio on.
4. Fixed WPS import two same profile name to Profile page.

UI - V.1.7.0.0

1. Fixed bugs of WPS Profile Detail button (can' t show profile detail data).

RTUSB D2870-1.2.4.0c UI-1.6.9.0 2008 12 19.dmg

Driver D2870 - V.1.2.4.0c

1. Added PID\VID.
- 2.

UI - V.1.6.9.0

2. Fixed warning message when add profile without insert SSID in Adhoc mode.

RTUSB D2870-1.2.4.0a UI-1.6.8.0 2008 12 04.dmg

Driver D2870 - V.1.2.4.0a

3. Added PID\VID.
- 4.

UI - V.1.6.8.0

3. Fixed no security name inconsistent in encryption field.
4. Fixed ComboBox selected bugs (pull down without selecting will set the combobox value to -1).

RTUSB D2870-1.2.4.0 D71w-1.2.4.0 D2500-1.1.3.0 UI-1.6.7.0 2008 10 30.dmg

UI - V.1.6.7.0

5. UI shows English after restarting OS to Chinese.

6. After click Import profile button,the UI crash.
7. Edit a profile with WEP encryption, first select ASCII and enter ten's ASCII ,then select HEX ,it can use it and no error pop up prompt.
8. Special Character and letter can be imported in Pin Code.
9. SSID do not limit in WPS Profile Setting Page lead to UI crash.
10. Switch to Registrar, the PBC button can use ,suggest gray it.
11. During PBC process,click Disconnect button ,then rescan button can not use,it's gray.
12. Key length is limited wrong length in WPS Profile Setting Page.
13. Pull out card or radio off, some button still can use, like PBC, PIN and so on.

RTUSB D2870-1.2.4.0 D71w-1.2.4.0 D2500-1.1.3.0 UI-1.6.6.0 2008 10 15.dmg

Driver D2870 - V.1.2.4.0

3. Fixed crash when plug-in too fast after plug-out (when plug-in too fast, we should wait OS to send a termination event to our driver, but OS seems to forget or what. We send an event to driver by ourselves).

Driver D2870 - V.1.2.3.0

1. Fixed crash when plug-in too fast after plug-out.

Driver RT73 - V.1.2.4.0

1. Fixed WPA2-PSK/WPA-PSK connection problem.

UI - V.1.6.6.0

14. Fixed UI crashed problem when parsing Chinese or Japanese word as SSID.
15. Fixed “no selected item” problem.
16. Fixed add profile problem when open the profile editor first time.
- 17.

UI - V.1.6.5.0

1. Integrated behavior when plug device and click advance’ s apply and wake up from sleep.
2. Adhoc in A-band can’ t work normally.
3. Some bugs reported from QA.

UI - V.1.6.4.0

1. Reconnect last AP without setting profile when wake from sleep.

RTUSB D2870-1.2.1.0 D71w-1.2.3.0 D2500-1.1.3.0 UI-1.6.0.0 2008 09 09.dmg

Driver D2870 - V.1.2.2.0

1. Reload Firmware when wake from sleep.

UI - V.1.6.4.0

1. Reconnect last AP without setting profile when wake from sleep.
2. Added PID/VID.

UI - V.1.6.3.0

1. Fixed multi-language problem(must have default language if can't find language id in our language.plist).

UI - V.1.6.2.0

1. Resolved bugs reported by ZyXEL.

UI - 1.6.1.0

1. When WPS page is not existing, don't run into RescanTimeEnd function.

[RTUSB D2870-1.2.1.0 D71w-1.2.3.0 D2500-1.1.3.0 UI-1.6.0.0 2008_09_09.dmg](#)

Driver D2870 - V.1.2.1.0

1. Ping packet fail when packet size is big.

Driver D2870 - V.1.2.0.0

1. Endurance issue.

Driver D2870 - V.1.1.9.0

1. Fixed big endian problem of HT capability on PowerBook platform.

[RTUSB D2870-1.1.7.0 D71w-1.2.3.0 D2500-1.1.3.0 UI-1.6.0.0 2008_08_08.dmg](#)

Driver D71w - V.1.2.3.0

1. Added PSP Xlink.

UI - V.1.6.0.0

1. Added Multi-language.

[RTUSB_D2870-1.1.7.0_D71w-1.2.1.0_D2500-1.1.3.0_UI-1.5.1.0_2008_07_25.dmg](#)

[Driver - V.1.1.7.0](#)

1. Fixed problem when Radio on can't transmit data continuously.

[RTUSB_D2870-1.1.6.0_D71w-1.2.1.0_D2500-1.1.3.0_UI-1.5.1.0_2008_07_21.dmg](#)

[Driver - V.1.1.6.0](#)

1. Fixed RT3070's BW register setting on big endian platform(RTUSBFilterCalibration).
2. Added PID/VID.

[RTUSB_D2870-1.1.4.0_D71w-1.2.1.0_D2500-1.1.3.0_UI-1.5.1.0_2008_07_11.dmg](#)

[Driver - V.1.1.4.0](#)

1. Fixed command thread problem.

[RTUSB_D2870-1.1.2.0_D71w-1.2.1.0_D2500-1.1.3.0_UI-1.5.1.0_2008_06_24.dmg](#)

[2870 Driver - 1.1.2.0](#)

1. Modified spin lock when call RTUSBHardTransmit in RTMPDeQueuePacket. It fixed crash problem when connect to WPA-PSK/WPA2-PSK AP.

[RTUSB_D2870-1.1.1.0a_D71w-1.2.1.0_D2500-1.1.3.0_UI-1.5.1.0_2008_06_18.dmg](#)

[2870 Driver - 1.1.1.0a](#)

1. Added PID/VID.

[73 Driver - 1.2.1.0](#)

1. Endurance problem.

[RTUSB_D2870-1.1.1.0_D71w-1.1.8.0a_D2500-1.1.3.0_UI-1.5.1.0_2008_06_13.dmg](#)

[Driver - 1.1.1.0](#)

1. Merged with VSS.

[Installer](#)

1. Added LoginItem and AwakeRalinkUI program to achieve Login/Logout without awake UI.

[RTUSB_D2870-1.0.9.0b_D71w-1.1.8.0a_D2500-1.1.3.0_UI-1.5.1.0_2008_04_24.dmg](#)

[Driver - 1.0.9.0b](#)

1. Added new PID/VID

RTUSB D2870-1.0.8.0b D71w-1.1.8.0a D2500-1.1.3.0 UI-1.5.1.0 2008_04_01.dmg

Driver

2. Added new PID/VID

RTUSB D2870-1.0.8.0 D71w-1.1.8.0a D2500-1.1.3.0 UI-1.5.1.0 2008_03_13.dmg

Driver

1. 連 5G 的 AP,把 wireless mode switch to 2.4G,再 switch to 2.4G+5G, site survey 會連上一台相同的 security 的 AP,到最後才會連上 profile 的 AP. (AP set hidden the same)
2. AP set wpa2-psk_both,wpa-psk_both,both-psk_both,在 site survey and profile 只有 TKIP 才會通,AES 不通.
3. Enable power saving mode 後 ping function fail. (指 ping 一段時間後就 disconnect,再插拔卡就有 panic;也沒有發 ps-poll)
4. After Radio off/on can't re-connect, 按 rescan 也沒法連回去,因為 site survey 沒有 AP list
5. Hiberation can't re-connect.
6. Adhoc can't active 5G,channel list only 1~11.
7. AES throughput too low problem.
8. Support DFS function.

RTUSB D2870-1.0.5.0a D71w-1.1.8.0a D2500-1.1.3.0 UI-1.5.0.0 2008_02_25.dmg

1. Added new PID/VID

RTUSB D2870-1.0.5.0 D71w-1.1.8.0a D2500-1.1.3.0 UI-1.5.0.0 2008_02_15.dmg

Driver RT2870 - v1.0.5.0:

1. Fixed replug problem with modified EEPROM class and subclass of qualify.
2. Added new PID/VID

Driver RT71w - v1.1.8.0a:

1. Added new PID/VID.

UI- v1.5.0.0:

1. Patched replug problem with modified EEPROM class and subclass of qualify.

RTUSB D2870-1.0.4.0 D71w-1.1.8.0 D2500-1.1.3.0 UI-1.4.9.0 2008_01_14.dmg

Driver RT2870 - v1.0.4.0:

3. Fixed replug problem with modified EEPROM class and subclass.

4. Fixed panic of overnight throughput.

Driver RT71w - v1.1.8.0:

2. Fixed replug problem with modified EEPROM class and subclass.

UI- v1.4.9.0:

2. Patched replug problem with modified EEPROM class and subclass.

RTUSB D2870-1.0.2.0 D71w-1.1.7.0c D2500-1.1.3.0 UI-1.4.8.0 2007 11 27.dmg

Driver - v1.0.2.0:

1. Update VID/PID
2. Changed value of BBP_R105's register
3. Changed value of PWR_PIN_CFG's register
4. Changed value of BBP_R86's register

RTUSB D2870-1.0.1.0b D71w-1.1.7.0c D2500-1.1.3.0 UI-1.4.8.0 2007 11 26.dmg

1. Supported 10.5.X

UI - v1.4.8.0:

1. Added warning message for empty profile name.
2. Added warning message for apply without selecting any profile.
3. Close UI when device doesn't exist.
4. Patched ComboBox Issue.

RTUSB D2870-1.0.1.0b D71w-1.1.7.0c D2500-1.1.3.0 UI-1.4.5.0 2007 10 05.dmg

Driver - v1.0.1.0b:

1. Update VID/PID

UI - v1.4.5.0:

1. Merge UI for USB products

RTUSB D2870-1.0.1.0a UI-1.4.4.0 2007 08 20.dmg

UI - v1.4.4.0:

1. Fix unable to connect with PSK Hex code 64 bytes from SiteSurveyPage

RTUSB D2870-1.0.1.0a UI-1.4.3.0 2007 08 14.dmg

Driver - v1.0.1.0a:

2. Added AMIT VID_0x18C5/PID_0x0008

UI - v1.4.3.0:

1. set default phymode to PHY_11BGN_MIXED in AdvancePage

RTUSB D2870-1.0.1.0 UI-1.4.2.0 2007 08 07.dmg

Driver - v1.0.1.0:

1. Added 2770 VID/PID
2. Modified probe conditions – deleted bcdDevice.

RTUSB D2870-1.0.0.0 UI-1.4.2.0 2007 08 03.dmg

Driver - v1.0.0.0:

1. First release

UI - v1.4.2.0:

1. Support RT2870
2. Fix LinkStatusPage not update
3. Fix WEP-Key box of Profile Editor