

Product: RTL8188C/8192C USB Software Package - Linux Driver
Version: v4.0.1_6911.20130308

Release History:

v2.0.939.20100726	<ol style="list-style-type: none"> 1. Use the bg mode when AP is in WEP and TKIP mode. (Recommended by latest WiFi 11n test plan). 2. First release.
v2.0.967.20100730	<ol style="list-style-type: none"> 1. Add functionality of Antenna diversity.
v2.0.974.20100803	<ol style="list-style-type: none"> 1. Fixed the Big Endian issue.
v2.0.1042.20100902	<ol style="list-style-type: none"> 1. Resolved static link issue with RTL8712U. 2. Fixed the Ad-hoc connection bug when the Ad-hoc ssid is the same with someone AP's SSID. 3. Update related PHY parameters to improve throughput. 4. Improve Antenna diversity algorithm.
v2.0.1126.20101020	<ol style="list-style-type: none"> 1. Added USB's selective suspend feature. 2. Added the Realtek GPL into each C and header files. 3. Added related ioctl command for Android platform. 4. Fixed NIC status display issue. 5. Fixed power training issue at station mode.
v2.0.1170.20101112	<ol style="list-style-type: none"> 1. Modify the CONFIG section of Android-x86 2. Fixed radius issue. 3. Update FW to V60. 4. Support the Power saving function. 5. Update usb_id_table to v38. 6. Fixed the kernel panic when receive WDS packet.
v2.0.1180.20101116	<ol style="list-style-type: none"> 1. Fixed compiler error.
v2.0.1212.20101205	<ol style="list-style-type: none"> 1. Fix the Android private wifi ioctl SCAN-ACTIVE, SCAN-PASSIVE 2. Alter the retry limit of "Active disconnect" to 8 3. Fix the overkilling problem of active disconnect caused by frequently site surveying 4. Fix the connect/disconnect looping problem on Android. 5. Removed the "scan interval" protection of site survey function temporarily 6. Adjust locking mechanism of TX, and fix race-condition issue.
v2.0.1212.20101208	<ol style="list-style-type: none"> 1. Add Kconfig.
v2.0.1324.20110126	<ol style="list-style-type: none"> 1. Synchronization strategy improved. 2. Fixed the AP Tx fragment issue when using the WPA2-RADIUS. 3. Added the IP header 8 bytes alignment. 4. Added new feature - Easy Replacement. 5. Added 20/40 MHz Coexistence test item (5.2.48 for wifi test) 6. Fixed related connection failure issue in Ad-hoc mode. 7. Updated usb_id_table to DID_USB_v47_20110118.
v2.0.1346.20110214	<ol style="list-style-type: none"> 1. Fixed Ad-hoc connection issues.
v2.0.1406.20110309	<ol style="list-style-type: none"> 1. Updated usb_id_table to DID_USB_V50_20110209.

	<ul style="list-style-type: none"> 2. Fixed compile error in kernel 2.6.37 3. Fixed Ad-hoc issue with DLink-DWA130.
v3.0.1590.20110511	1. The version of usb_id_table is DID_USB_V60_20110425.
v3.0.1684.20110525	<ul style="list-style-type: none"> 1. Add wps probe req ie & wps assoc resp ie for wps2.0 2. Patch issue_qos_nulldata()/issue_nulldata() to set tods/fromds bit field depend on sta mode, ap mpde, adhoc mode
v3.0.1759.20110601	<ul style="list-style-type: none"> 1. Supported the WiFi Direct functionality. 2. Supported the WPSv2.0 functionality. 3. Updated the hostapd and wpa_supplicant for WiFi Direct and WPS v2.0.
v3.0.2028.20110629	<ul style="list-style-type: none"> 1. Refine WiFi Direct. 2. Support Android wifi cmd "COUNTRY" . 3. Add HW antenna diversity function. 4. Modified set wep key for auth SHARED mode. 5. Modified key index for Broadcom IOT issue. 6. Fixed Big Endian issue in amsdu_to_msdu(). 7. Support more USB dongle (DID_USB_V71_20110628). 8. Refine Mac0(2.4G) & Mac1(5G) for 92D.
v3.0.2052.20110701	<ul style="list-style-type: none"> 1. Fixed the problem of cannot power down. 2. Support Android early suspend
v3.0.2164.20110715	<ul style="list-style-type: none"> 1. Reset MCU while polling FW ready fail 2. Refine of RX signal statistics 3. Support combo scan.
v3.0.2230.20110728	<ul style="list-style-type: none"> 1. WiFi Direct function improve. 2. Refine power saving functions.
v3.1.2291.20110804	<ul style="list-style-type: none"> 1. Fixed WPS ie parsing issue. 2. Add an ioctl rtw_p2p_get_device_name() that can get peer devices' names. 3. Refine ioctls' set/get forms that related to p2p.
v3.1.2497.20110906	<ul style="list-style-type: none"> 1. For SoftAP mode, fixed WPS connecting issue with RALINK3070. 2. Fixed the Big Endian Autoload check fail issue. 3. Fixed the IOT issue with Cisco 802.1x ap.
v3.1.2590.20110922	<ul style="list-style-type: none"> 1. Fixed incorrect LED behavior. 2. Fixed a potential resource leaks. 3. Fixed possible race condition when using incorrect lock.
v3.1.2590.20111020	1. Sync. WiFi_Direct_User_Interface to driver
v3.3.0_2971.20111128	<ul style="list-style-type: none"> 1. Support both CU-series and DU-series 2. Supported Linux kernel v3.0.2 3. Improved quality of Video over IP multicast 4. Increase a functionality to support L2 Bridge 5. Speed up hardware initialization process for CU-series 6. Update android_reference_code 7. Fixed some Endianness issues 8. Fixed the IOT issue for Wi-Fi Direct connection, software AP and station mode 9. Fix the roaming problem
v3.3.1_3083.20111213	1. Fix WEP SHARED connection problem.
v3.3.2_3192.20120103	<ul style="list-style-type: none"> 1. Add android_reference_code_ICS to support Android 4.x 2. Support scan with multiple SSID

	<ul style="list-style-type: none"> 3. Fix problem of PMK caching 4. Fix problem of TKIP countermeasure 5. Fix RX reordering mechanism
v3.4.0_3317.20120120	<ul style="list-style-type: none"> 1. Support NL80211 interface 2. Support Android WiFi-Direct Framework
v3.4.1_3418.20120217	<ul style="list-style-type: none"> 1. Fix the problem of TX rate report using NL80211 2. Update android_reference_codes_ICS 3. Fix some bugs of WiFi-Direct using NL80211 4. Fix the Wifi-Direct IOT issue with Samsung GS2
v3.4.2_3727.20120404	<ul style="list-style-type: none"> 1. Bug fix for WiFi-Direct 2. Fix deadlock problem caused by rtw_wx_set_wap() 3. Fix WEP shared connection problem for Android 4. Fix racing problem of AP mode's asoc_list 5. Fix problem to scan AP with hidden SSID for Android 6. Disable IOL for USB2.0 by default 7. Disable CONFIG_IOCTL_CFG80211 by default
v3.4.3_4369.20120622	<ul style="list-style-type: none"> 1. Fix Wifi Logo ACM test item 2. Drop RX BC/MC packet before group key is installed 3. Support hostapd's ignore_broadcast_ssid setting (need patch of hostapd) 4. Fix the problem indicate IFF_UP event when netdev_close() is called
v3.4.4_4749.20121105	<ul style="list-style-type: none"> 1. Fix endian and channel plan error. 2. Fix racing problem of resume_process() and netdev_open(). 3. Set wps ie for probe req for WPS 2.0 4. Fix CFG80211 scan issue. 5. Modify mem_flags for memory allocation. 6. Modify TX & RX for CONFIG_MINIMAL_MEMORY_USAGE flag. 7. Add IGI Adjustment by false alarm before linked. 8. Add TX ampdu support for WiFi Logo test.
v4.0.0_5967.20121201	<ul style="list-style-type: none"> 1. Support concurrent mode (STA+STA, STA+AP, STA+P2P) 2. Support Android 4.1 3. Support WFD (Miracast)
v4.0.1_6911.20130308	<ul style="list-style-type: none"> 1. Support Android 4.2 2. Support P2P service discovery with nl80211 3. Improve P2P connection experience 4. Correct RX statistics error 5. Improve expiration mechanism

Description:

Realtek provides the solution for WLAN in hardware and software. The software package could be adopted for Realtek RTL8188C/8192C USB WLAN series hardware on Linux based platforms.

Software Version:

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Hardware Supported:**CU-series:**

- n RTL8188CUS
- n RTL8188RU
- n RTL8188CUS-Slim Solo
- n RTL8188CUS-Slim Combo
- n RTL8188CE-VAU
- n RTL8188CUS-VL
- n RTL8188CTV
- n RTL8192CUS
- n RTL8192CE-VAU

Platform Supported:

- n Linux (kernel 2.6.18 ~ 3.6.6)
- n Android 1.6 ~ 2.3, 4.0 ~ 4.2

CPU supported:

- n x86
- n ARM
- n MIPS