

**Product:** RTL8811A/RTL8821A USB Software Package - Linux Driver  
**Version:** v4.3.19.5\_17672.20160506\_BTCOEX20150921-58

**Release History:**

v4.2.0_6952.20130315	1. First release.
v4.2.0_7054.20130328	1. Fix LED behavior
v4.2.2_7502.20130517	1. Support 11AC for STA.
v4.2.3_8123.20130705	1. Update PHY parameters to improve throughput.
v4.2.4_9533.20131209	<ol style="list-style-type: none"> <li>1. Update Phy Parameter for IOT issue</li> <li>2. MP Driver - Packet Tx function</li> <li>3. Fix memory leakage issue</li> <li>4. Fix crash issue when change_band_update_ie() is called for 2.4G-&gt;5G</li> <li>5. Security-TKIP - Prevent starvation caused by log of rtw_tkip_decrypt() when bininstallGrpkey == _FALSE</li> <li>6. avoid crash issue when quickly insert/remove driver</li> <li>7. If AP support 802.11r, that will be send death with reason code 2 to STA. We will loop in connecting.</li> <li>8. Improve P2P connection successful rate &amp; IOT issue for P2P connection</li> <li>9. IOT issue on concurrent mode</li> <li>10. Support Linux kernel 3.10</li> </ol>
v4.3.0_10674.20140321	<ol style="list-style-type: none"> <li>1. To fix data rate issue of AP mode</li> <li>2. To fix transmission power issue</li> <li>3. To update PHY setting when driver switches wireless band</li> <li>4. To fix DHCP issue</li> <li>5. To fix race condition issue</li> </ol>
v4.3.14_13455.20150212_BT COEX20150128-51	<ol style="list-style-type: none"> <li>1. This driver can support 8811AU and 8821AU</li> <li>2. Support BT coexist</li> <li>3. Support Adaptivity</li> <li>4. Support efuse and mac address can read from file</li> <li>5. Support Sniffer feature</li> <li>6. Support Linux kernel 3.16.0</li> <li>7. Fix some 802.11 logo issue.</li> <li>8. Fix WPS issue</li> </ol>
v4.3.19_15408.20151102_B TCOEX20150921-58	<ol style="list-style-type: none"> <li>1. Support Linux kernel 4.0</li> <li>2. Support Android 5.0</li> <li>3. Update BT coexist (v58)</li> <li>4. Update Adaptivity (v8.6)</li> <li>5. Update PID,VID list</li> <li>6. Support ifconfig modify WiFi MAC</li> <li>7. Fix wpa_supplicant disconnect ignore issue</li> <li>8. Fix UDP packet lose issue</li> <li>9. Fix P2P listen state setting listen channel issue</li> </ol>
v4.3.19.1_16074.20151222 _BT COEX20150921-58	<ol style="list-style-type: none"> <li>1. Support Linux kernel 4.1</li> <li>2. Fix Adaptivity IPS issue</li> <li>3. Enhance RF setting</li> </ol>

v4.3.19.2_16962.20160225 _BTCEX20150921-58	<ol style="list-style-type: none"><li>1. Fix Adaptivity scan issue</li><li>2. Support Driver switch antenna band feature for one antenna module</li></ol>
v4.3.19.3_17177.20160325 _BTCEX20150921-58	<ol style="list-style-type: none"><li>1. Support rtkm</li><li>2. Fix some scan results issue</li></ol>
v4.3.19.4_17413.20160414 _BTCEX20150921-58	<ol style="list-style-type: none"><li>1. Fix MP mode IQK issue</li></ol>
v4.3.19.5_17672.20160506 _BTCEX20150921-58	<ol style="list-style-type: none"><li>1. Fix adaptivity issue when DIG change IGI</li></ol>

Realtek

**Description:**

Realtek provides the solution for WLAN in hardware and software. The software package could be adopted for Realtek RTL8811A/RTL8821A USB WLAN series hardware on Linux based platforms.

**Software Version:**

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**Hardware Supported:**

- RTL8811AU
- RTL8821AU

**Platform Supported:**

- Linux (kernel 2.6.18 ~ 4.1)
- Android 1.6 ~ 2.3, 4.0 ~ 5.0

**CPU supported:**

- x86
- ARM
- MIPS

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