

**Product:** RTL8192EU /RTL8192EU +RTL8761AW Software Package -  
Linux Driver

**Version:** v5.6.3.1\_34030.20190613\_COEX20171113-0047

### Release History:

v4.2.2_7585.20130524	1. First Released
v4.2.4_9581.20131115	<ol style="list-style-type: none"> <li>1. Improve Tx/Rx performance.</li> <li>2. Fix some memory leak problems.</li> <li>3. Fix some bugs of P2P.</li> <li>4. Fix racing problem of roaming and disconnect ioctl.</li> <li>5. Fix AP selection problem.</li> <li>6. Fix problems caused by large amount of logs.</li> <li>7. Disable CONFIG_USE_VMALLOC by default.</li> <li>8. Support Linux kernel 3.10.</li> <li>9. Support Android JB 4.3.</li> </ol>
v4.2.4.1_9581.20131119	1. Support MAC filtering in SoftAP mode
v4.3.1_10675.20140303	<ol style="list-style-type: none"> <li>1. Support Android KK 4.4.</li> <li>2. Refine memory allocation policy.</li> <li>3. Improve CFG80211 STA mode connection process.</li> <li>4. Improve CFG80211 P2P connection process.</li> <li>5. Enable CONFIG_USE_VMALLOC by default.</li> <li>6. Fix some bugs of SoftAP.</li> <li>7. Fix some bugs of mp mode.</li> </ol>
v4.3.1.1_11320.20140505	<ol style="list-style-type: none"> <li>1. Fix some memory leak problems.</li> <li>2. Fix some bugs of mp mode.</li> <li>3. Fix WPS connection failure when AP is N only mode.</li> <li>4. Support P2P logo test.</li> </ol>
v4.3.8_12406.20140929	<ol style="list-style-type: none"> <li>1. Support Adaptivity (v7.1) ,please refer to "Quick_Start_Guide_for_Adaptivity_and_Carrier_Sensing_Test.doc".</li> <li>2. Fix efuse write failed problem.</li> <li>3. Improve performance of Soft-AP mode.</li> <li>4. Adjust driver procedure to eliminate RF interference.</li> <li>5. Clear up all compile warning.</li> <li>6. Fix IOT issue with some AP's RA mechanism.</li> </ol>
v4.3.15_14701.20150715_BT COEX20150615-41	<ol style="list-style-type: none"> <li>1. This driver can support 8192EU and 8192EU+8761AW</li> <li>2. Support BT coexist (version BT_COEX20150615-41)</li> <li>3. Support Linux kernel 4.0</li> <li>4. Support Android 5.0</li> <li>5. Support High power feature</li> <li>6. Support Sniffer feature (linux)</li> <li>7. Update Adaptivity (v8.4)</li> <li>8. Fix legacy AP connect issue</li> <li>9. Fix P2P listen state setting listen channel issue</li> </ol>
v4.3.15.2_16504.2016010 6_BT COEX20150615-41	<ol style="list-style-type: none"> <li>1. Support efuse 5.7.3</li> <li>2. Support monitor mode</li> <li>3. Fix Adaptivity IPS issue</li> <li>4. Fix WEXT concurrent mode issue</li> </ol>

v4.4.1_17696.20160509_ BTCOEEX20160412-0042	<ol style="list-style-type: none"> <li>1. Support Linux Kernel 4.4.6</li> <li>2. Support Android 6.0</li> <li>3. Support TDLS</li> <li>4. Support proc current_tx_rate</li> <li>5. Support proc tx_info_msg /rx_info_msg</li> <li>6. Update BT coexist (version BTCOEEX20160412-0042)</li> <li>7. Update Adaptivity (v9.0)</li> <li>8. Fix wpa_supplicant disconnect ignore issue</li> <li>9. Fix P2P logo issue</li> </ol>
v4.4.1.1_18873.20160805_ _BTCOEEX20160412-0042	<ol style="list-style-type: none"> <li>1. [MP] Update efuse write feature</li> <li>2. [MP] add efuse update, efuse_file feature</li> <li>3. [MP] add Rx signal Test feature</li> </ol>
v5.2.7_22739.20170615_ COEX20170113-0046	<ol style="list-style-type: none"> <li>1. Support Android 7.0</li> <li>2. Support NAPI GRO</li> <li>3. Update BT coexist to v46</li> <li>4. Update adaptivity for new ETSI spec. (CE-RED)</li> <li>5. Update FW to v35.1</li> <li>6. Update PHY parameters v58</li> </ol>
v5.2.19_24763.20171030_ COEX20170113-0046	<ol style="list-style-type: none"> <li>1. Update FW to v35.6</li> <li>2. Update Phydm to v021</li> <li>3. Fix MP issue</li> <li>7. Fixed WPA2 vulnerability - key reinstallation attacks(KRACKs)</li> </ol>
v5.2.19.1_25633.2017122 2_COEX20171113-0047	<ol style="list-style-type: none"> <li>1. Update FW to v35.7</li> <li>2. Update BT coexist to v47</li> <li>3. Support Android 8.0</li> </ol>
v5.3.2_27210.20180604_ COEX20171113-0047	<ol style="list-style-type: none"> <li>1. Support 802.11s Mesh</li> </ol>
v5.6.3_31020.20181220_ COEX20171113-0047	<ol style="list-style-type: none"> <li>1. Support Linux Kernel 4.17</li> <li>2. Support Android 9.x</li> <li>3. Update PHYDM to v33</li> </ol>
v5.6.3.1_34030.20190613_ _COEX20171113-0047	<ol style="list-style-type: none"> <li>1. Support WPA3-Personal (STA and softAP)</li> <li>2. Fix IPS and LPS issues</li> </ol>

**Description:**

- Realtek provides the solution for WLAN in hardware and software. The software package could be adopted for Realtek RTL8192EU/ RTL8192EU+RTL8761AW WLAN series hardware on Linux based platforms.

**Software Version:**

RTL8192EU Linux Driver Version: **v5.6.3.1\_34030.20190613\_COEX20171113-0047**

**Software Package Feature:**

- IEEE 802.11 b/g/n WiFi compliant
- 802.1x, WEP, WPA TKIP and WPA2 AES/Mixed mode for PSK and TLS (Radius)
- WPA3 Personal
  - Supported after Linux Kernel v3.8
  - Supported only by wpa\_supplicant\_8\_O\_8.x\_rtw\_r33457.20190507 for pure linux
  - Supported for STA and softAP
- WPS - PIN and PBC Methods
- IEEE 802.11b/g/n Client mode
  - Support wireless security for WEP, WPA TKIP and WPA2 AES PSK
  - Support site survey scan and manual connect
  - Support WPA/WPA2 TLS client
  - Support power saving mode
- Soft AP mode
- WiFi-Direct
- Miracast
- Monitor mode
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**Hardware Supported:**

- RTL8192EU/ RTL8192EU+RTL8761AW

**Platform Supported:**

- Linux
  - Kernel 2.6.18 ~ 4.17
- Android 1.6 ~ 2.3, 4.0 ~ 9.x

**CPU supported:**

- x86
- ARM
- MIPS