

**Product:** RTL8812A USB Software Package - Linux Driver  
**Version:** v5.6.4.2\_35491.20191025

**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.
v4.3.2_11100.20140411	1. To fix p2p issues 2. To improve throughput 3. To update FW
v4.3.8_12175.20140912	1. Update PHY parameters to improve throughput. 2. Update FW 3. Support PMF 4. Support WoWLAN 5. Modify channel plan 6. Fix MP issue
v4.3.13_14061.20150505	1. Update FW 2. Update Phy parameters 3. Support WOWLAN GTK offload 4. Support Adaptivity 5. Support 1T2R 6. Support 8812AU-VN 7. Fix scan timeout issue 8. Fix RFE type error 9. Fix Spur Calibration flow 10. Fix some 802.11 logo issue. 11. Fix some crush issues
v4.3.20_16317.20151231	1. Fix STBC issue 2. Fix NDPA sounding issue 3. Fix r/w rf register racing issue 4. Fix kernel panic for BT & timer 5. Fix memory leak for cmd thread 6. Fix ADDBA flow 7. Support Power limit 8. Support USB mode switch 9. Support Linux Kernel 4.2 10. Update FW to v41 11. Update PHY parameters to v55
v4.3.20_16317.20160108	1. Disable CONFIG_WIFI_TEST & CONFIG_WOWLAN in Makefile default
v5.1.5_19247.20160830	1. Update FW to v49 2. Update PHY parameters v57 3. Support TDLS 4. Enable GTK offload under WOW 5. Fix no scan results after resume 6. Fix NDPA issue under scan 7. Fix dynamic watchdog don't work

v5.2.9_22809.20170621	<ol style="list-style-type: none"> <li>1. Update FW to v52.2</li> <li>2. Update PHYDM setting</li> <li>3. Support PNO</li> <li>4. Fix WOW issue</li> <li>5. Fix efuse issue</li> <li>6. Sync channel plan document</li> <li>7. Fix DFS issue</li> <li>8. Support NAPI &amp; GRO</li> <li>9. Enable Power by rate</li> <li>10. Fix MP power tracking issue</li> <li>11. Fix potential memory out of range</li> <li>12 Support CE-RED. 2G: ETSI v2.1.1 / 5G: ETSI v2.1.0</li> </ol>
v5.2.9.1_24461.20171018 <b>(Do not use)</b>	<ol style="list-style-type: none"> <li>1. (Do not use)</li> </ol>
v5.2.9.2_24491.20171027	<ol style="list-style-type: none"> <li>1. Remvoe test code</li> <li>2. Fix crash for BF function</li> <li>3. Fix wrong memory accesse</li> <li>4. Fix encrypt broadcast packet fail</li> <li>5. Fix crash for TDLS</li> </ol>
v5.2.9.3_24903.20171101	<ol style="list-style-type: none"> <li>1. Fixed WPA2 vulnerability - key reinstallation attacks(KRACKs)</li> </ol>
v5.2.20_25672.20171213	<ol style="list-style-type: none"> <li>1. Update PHYDM setting</li> <li>2. Update FW to v52.10</li> <li>3. Correct DFS master function</li> <li>4. Fixed WPA2 vulnerability - key reinstallation attacks(KRACKs) (update)</li> </ol>
v5.2.20.1_27761.20180508	<ol style="list-style-type: none"> <li>1. Support WiFi-HAL for Android 8</li> </ol>
v5.2.20.2_28373.20180619	<ol style="list-style-type: none"> <li>1. Update phydm to improve TP stability</li> </ol>
v5.6.4_33522.20190509	<ol style="list-style-type: none"> <li>1. Update Phydm version to v33</li> <li>2. Update channel plan</li> <li>3. Support WiFi-HAL for Android 8</li> <li>4. Support Android 9.x</li> <li>5. Fix compile error for kernel 5.0.13</li> <li>6. Fix LPS issue</li> </ol>
v5.6.4.1_33916.20190619	<ol style="list-style-type: none"> <li>1. Support WPA3-SAE (Personal)</li> </ol>
v5.6.4.2_35491.20191025	<ol style="list-style-type: none"> <li>1. Support up to Android Q</li> <li>2. Support up to kernel 5.3</li> <li>3. Hotfix P2P NoA buffer potentially overflow</li> </ol>

**Description:**

Realtek provides the solution for WLAN in hardware and software. The software package could be adopted for Realtek RTL8812A USB WLAN series hardware on Linux based platforms.

**Software Version:**

RTL8812A USB Linux Driver Version: v5.6.4.2\_35491.20191025

**Hardware Supported:**

- RTL8812AU

**Platform Supported:**

- Linux (kernel 2.6.24 ~ 5.3)
- Android 1.6 ~ 2.3, 4.0 ~10.x

**CPU supported:**

- x86
- ARM
- MIPS