

**Product:** RTL8852B USB Wi-Fi Software Package - Linux Driver  
**Version:** v1.19.21-68-gd16563cf8.20250603

**Release History:**

v1.19.21-68-gd16563cf8.20250603 – chplan_ver: 68-47	<ol style="list-style-type: none"> <li>1. Support up to kernel 6.14</li> <li>2. Support mDNS offload for WOWLAN mode</li> <li>3. Support Self Diagnostic Function</li> </ol>
v1.19.14-127-gd73bd7b91.20240418 – chplan_ver: 64-40	<ol style="list-style-type: none"> <li>4. Enable IO offload by default</li> <li>5. Enable Scan offload by default</li> <li>6. Disable Power Saving for normal mode by default</li> <li>7. Support SRRC Certification</li> <li>8. Support Android 14</li> </ol>
v1.19.3-45-g7583a804a.20230505 – chplan_ver: 63-36	<ol style="list-style-type: none"> <li>1. The first version of v1.19 formal release package</li> <li>2. Support and Enable IO offload function</li> <li>3. Support Android 13</li> <li>4. Power Saving does not support yet for normal mode</li> <li>5. Modify PHL log level from INFO(4) to WARNING(3)</li> </ol>
v1.15.11-36-g66c244572.20220902 – chplan_ver: 59-32	<ol style="list-style-type: none"> <li>1. Enable XMIT ACK</li> <li>2. Set scan backop operation by Default</li> <li>3. Refine on reducing dynamic memory allocation</li> <li>4. Update parameter to CBV/CCV</li> </ol>
v1.15.11-15-gc327097e0.20220624 – chplan_ver: 59-32	<ol style="list-style-type: none"> <li>1. Enable Power Saving</li> <li>2. Support TX OFDMA</li> <li>3. Support TKIP rekey offload in WOWLAN mode</li> <li>4. Refine to extend Scan Timeout</li> <li>5. Shared buffer is set to 192K</li> </ol>
v1.15.7-112-g1d36f2f7.20211227 – chplan_ver: 58-31	<ol style="list-style-type: none"> <li>1. First formal release driver and software package</li> <li>2. Power Saving is not supported yet</li> <li>3. TX OFDMA is not supported yet</li> <li>4. TKIP rekey is not support yet in WOWLAN mode</li> <li>5. Shared buffer is set to 128K</li> </ol>

**Description:**

Realtek provides the solution for WLAN in hardware and software. The software package could be adopted for Realtek RTL8852B/ RTL8832B USB WLAN series hardware on Linux based platforms.

**Software Version:**

RTL8852B/ RTL8832B USB Linux Driver Version: v1.19.21-68-gd16563cf8.20250603

**Hardware Supported:**

- RTL8852BU
- RTL8832BU

**Software Package Feature:**

- IEEE 802.11 b/g/n/ac/ax WiFi compliant
- 802.1x, WEP, WPA TKIP and WPA2 AES/Mixed mode for PSK and TLS (Radius)
- WPA3-SAE R3
- WPS - PIN and PBC Methods
- IEEE 802.11b/g/n/ac/ax 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
- Soft AP mode
- WiFi-Direct
- Miracast
- BT-COEXIST
- WOWLAN

**Platform Supported:**

- Linux (kernel 3.13 ~ 6.14)
  - For supporting IEEE802.11ax(Wi-Fi 6) : kernel >= v4.20
- Android 8, 9, 10, 11, 12, 13 and 14

**CPU supported:**

- x86
- ARM
- MIPS

**Apply new regulatory setting rule:**

CAUTION : \*MUST\* config to match the certification status of shipping product, otherwise regression issue on regulatory may happen.