



## AC1900 High Power Dual Band Wireless USB Adapter

TEW-809UB (v1.0R)

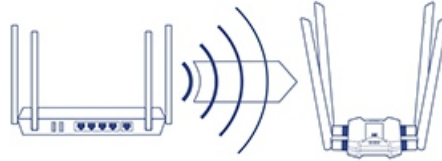
- Easy setup
- AC1900: 1300 Mbps Wireless AC or 600 Mbps Wireless N bands\*
- High power radio and high gain detachable antennas for increased coverage
- Supports Windows® and Mac® operating systems

TRENDnet's AC1900 High Power Dual Band Wireless USB Adapter, model TEW-809UB, upgrades a computer to Wireless AC1900. Quickly connect to a high performance Wireless AC network at 1300 Mbps or to a Wireless N network at 600 Mbps. A high power radio with detachable high gain antennas increase wireless coverage.



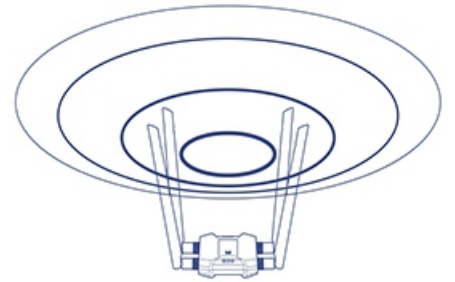
### WiFi Performance

Upgrade your computer to 1300 Mbps WiFi AC or 600 Mbps WiFi N to surf, game, and stream 4K HD video.



### Beamforming

Beamforming increases real-time performance by directing stronger wireless signals to each device's specific location.



### Increased Coverage

A high power radio with detachable antennas increase WiFi coverage.

## Networking Solution





### Easy Setup

Get up and running in minutes with the intuitive guided setup



### AC1900 Dual Band

Connect to an extreme performance 1300 Mbps Wireless AC or 600 Mbps Wireless N network\*



### Wireless Coverage

Extended wireless coverage with high power radio and detachable high gain antennas



### LED Indicator

LED indicator conveys device status



### Operating Systems

Compatible with Windows<sup>®</sup> and Mac<sup>®</sup> operating systems

## Specifications

### Standards

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 600 Mbps)
- IEEE 802.11ac (up to 1300 Mbps)

### Hardware Interface

- USB 3.0 Micro-B port
- LED indicator
- WPS Button
- 4 x RP-SMA female antenna connectors
- 4 x High gain detachable dual band antennas

### Encryption

- Wireless encryption: WEP, WPA / WPA2-PSK

### Compatibility

- Windows® 10, 8.1, 8, 7, Vista, XP
- Mac OS® 10.6-10.13

### Special Features

- 4 high gain dual band detachable antennas and integrated high powered amplifiers for long range connectivity
- High-speed 802.11ac connectivity
- Explicit Beamforming

### Quality of Service

- WMM

### Frequency

- 2.4GHz: (FCC) 2.412 – 2.462GHz, (ETSI) 2.412 – 2.472GHz

- 5GHz: (FCC) 5.150 – 5.250GHz / 5.745 - 5.825GHz, (ETSI) 5.150 – 5.250GHz / 5.500 – 5.700GHz

### Modulation

- 802.11b: CCK, DQPSK, DBPSK
- 802.11a/g: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11n: BPSK, QPSK, 16-QAM, 64-QAM with OFDM
- 802.11ac: OFDM with BPSK, QPSK and 16/64/256-QAM

### Antenna Gain

- 2.4 GHz / 5 GHz: 4 x 5 dBi (max.) dual band external/detachable

### Wireless Output Power

- FCC: 802.11a: 21 dBm (max.) / ETSI: 18.5 dBm (max.) @ 54 Mbps
- FCC: 802.11b: 23 dBm (max.) / ETSI: 17.5 dBm (max.) @ 11 Mbps
- FCC: 802.11g: 20 dBm (max.) / ETSI: 17 dBm (max.) @ 54 Mbps
- FCC: 802.11n (2.4GHz): 23 dBm (max.) / ETSI: 17.5 dBm (max.) @ 600 Mbps
- FCC: 802.11n (5GHz): 19.5 dBm (max.) / ETSI: 18 dBm (max.) @ 600 Mbps
- FCC: 802.11ac: 20.5 dBm (max.) / ETSI: 17.5 dBm (max.) @ 1300 Mbps

### Receiving Sensitivity

- 802.11a: -72 dBm (typical) @ 54 Mbps
- 802.11b: -84 dBm (typical) @ 11 Mbps
- 802.11g: -70 dBm (typical) @ 54 Mbps

- 802.11n (2.4GHz): -90 dBm (typical) @ 600 Mbps
- 802.11n (5GHz): -88 dBm (typical) @ 600 Mbps
- 802.11ac: -84 dBm (typical) @ 1300 Mbps

### Wireless Channels

- 2.4GHz: (FCC) 1-11, (ETSI) 1-13
- 5GHz: (FCC) 36, 40, 44, 48, 149, 153, 157, 161, 165, (ETSI) 36, 40, 44, 48

### Power

- Consumption: Max. 6.6 W

### Operating Temperature

- 0 - 40 °C (32 – 104 °F)

### Operating Humidity

- Max. 80% non-condensing

### Certifications

- CE
- FCC

### Dimensions

- 85 x 75 x 20 mm (3.35 x 2.95 x 0.79 in.)

### Weight

- 48 g (1.7 oz.)

### Warranty:

- 3 year limited

### Package Contents

- TEW-809UB
- Quick Installation Guide
- CD-ROM (Drivers & User's Guide)
- 4 x High Gain Detachable Dual Band Antennas
- USB 3.0 Micro-B to USB Type-A cable (0.91 m / 3 ft)

\*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions. For maximum performance of up to 1.3 Gbps use with a 1.3 Gbps 802.11ac wireless adapter. For maximum performance of up to 600 Mbps, use with an 600 Mbps 802.11n wireless adapter.

