USB Bluetooth 5.3 Class 1 Adapter Dongle for PC/Laptop, Long-Range Connectivity for Keyboard, Mouse, Audio Streaming and PAN Networking, Windows/Linux

**Product ID:** AV53C1-USB-BLUETOOTH

This Class 1 USB Bluetooth Adapter with EDR/BLE adds Bluetooth 5.3 capabilities to a laptop or desktop computer. This adapter enables a connection to multiple Bluetooth 5.3 peripherals, with data transfer rates of 2Mbps. The adapter supports a wireless connection with multiple devices, using minimal power consumption, at distances of up to 328ft (100m).

This USB Bluetooth Adapter makes it easy to add Bluetooth capabilities and connect a wide range of wireless Bluetooth devices. The detachable, omni-directional antenna enhances range by transmitting a signal with higher power and receiving a signal with reduced noise/interference.

This adapter supports A2DP (Advanced Audio Distribution Profile) for high-quality audio streaming to headphones and speakers, plus Bluetooth PAN (Personal Area Network) for wireless file sharing and internet tethering. It features Enhanced Data Rate (EDR) and Bluetooth Low Energy (BLE), for optimized battery efficiency. Plug-and-play installation for PCs/computers running Windows 7/8/10/11 or Linux with Kernel 5.19.0 and up ensures that installation and deployment is quick and straightforward. All these features are packed into a compact and unintrusive design.

## Certifications, Reports and Compatibility

RoHS Compliant | WEEE/GK0063TV | FC

Windows 7 | Windows 8 | Windows 10 | Windows 11

## Applications

• Add Bluetooth 5.3 capabilities to a laptop or desktop computer with this USB Bluetooth adapter

## Features

• UPGRADE TO BLUETOOTH 5.3: Upgrade your desktop or laptop with Bluetooth 5.3 Class 1 and connect to multiple devices, including keyboards, mice, headphones, smartphones, and more, with 2Mbps transfer speeds and low power consumption

• EXTENDED WIRELESS RANGE: Experience a stable Bluetooth connection up to 328ft (100m) in open environments; The omni-directional antenna enhances signal strength and reduces noise/interference for smoother data transfer and streaming

• ADVANCED BLUETOOTH PROFILES: Supports A2DP (Advanced Audio Distribution Profile) for high-quality audio streaming to headphones and speakers, plus Bluetooth PAN (Personal Area Network) for wireless file sharing and internet tethering

• OPTIMIZED PERFORMANCE: Supports Bluetooth BDR/EDR for faster data rates up to 2Mbps and Bluetooth Low Energy (BLE) for power-efficient connections without draining battery life

• PLUG AND PLAY: Built with the RTL8761BUE chipset, this Bluetooth dongle offers native support for Windows 7/8/10/11 and Linux Kernel 5.19.0+; Backwards compatible with Bluetooth 4.0, 3.0, 2.0, and 1.0

**Hardware**

| | | |
|---|---|---|
| | Warranty | 2 Years |
| | Antenna Configuration | 1x 5dBi Omnidirectional Antenna |
| | Industry Standards | USB 2.0 |
| | | Bluetooth 5.3 |
| | | Class 1 |
| | | BDR Basic data rate |
| | | EDR Enhanced data rate |
| | | BLE Bluetooth low energy |
| | Chipset ID | Realtek - RTL8761BUE |

**Performance**

| | | |
|---|---|---|
| | Maximum Data Transfer Rate | 2 Mbps |
| | Max Distance | 100m [328ft] |
| | Frequency Range | 2402 - 2480MHz |

| | Frequency | 2402 - 2480MHz |
|---|---|---|

**Connector(s)**

| | Connector Type(s) | 1 - USB 2.0 Type-A |
|---|---|---|
| | | 1 - Bluetooth Class 1.0 |

**Software**

| | OS Compatibility | Windows Vista, 7, 8, 8.1, 10, 11 |
|---|---|---|
| | | Kernel 5.19.0 and up |

**Special Notes / Requirements**

| | System and Cable Requirements | Available USB type-A port |
|---|---|---|

**Indicators**

| | LED Indicators | 1 - Single Power LED |
|---|---|---|
| | | Solid Green indicates it's receiving power |

**Power**

| | Power Source | USB-Powered |
|---|---|---|

**Environmental**

| | Operating Temperature | -10C ~ 50C (14F to 122F) |
|---|---|---|
| | Storage Temperature | -40C ~ 70C (-40F to 158F) |
| | Humidity | 5% ~ 95% RH |

**Physical Characteristics**

| | Color | Black |
|---|---|---|
| | Form Factor | Dongle |
| | Material | Plastic |
| | Product Length | 1.8 in [45 mm] |
| | Product Width | 0.7 in [18.3 mm] |
| | Product Height | 0.4 in [10 mm] |
| | Weight of Product | 0.8 oz [22 g] |

**Packaging Information**

| | | |
|---|---|---|
| | Package Length | 0.9 in [2.2 cm] |
| | Package Width | 8.0 in [20.3 cm] |
| | Package Height | 5.1 in [13.0 cm] |
| | Shipping (Package) Weight | 2.5 oz [70.0 g] |

**What's in the Box**

| | | |
|---|---|---|
| | Included in Package | 1 - USB to Bluetooth V5.3 Adapter |
| | | 1 - Quick-Start Guide |

**Warranty Information**

| | | |
|---|---|---|
| | Warranty | 2 Years |

*\*Product appearance and specifications are subject to change without notice.*