

USB Bluetooth 5.4 LE Audio Adapter

B-200

User Manual

Ver. 1.00

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Contents:

Chapter 1: Introduction.....	3
1.1 Product Introduction.....	3
1.2 Features.....	4
1.3 Requirements	4
1.4 Product Diagram	4
1.5 Package Contents	5
Chapter 2: Product Guide	5
2.1 Installation for Windows	5
2.2 Technical specifications	6
2.3 EU Regulatory Conformance	6
2.4 RF Exposure Statement	6
2.5 Correct disposal.....	7
2.6 Federal Communications Commission Statement	8
2.7 FCC Radiation Exposure Statement.....	9

Chapter 1: Introduction

1.1 Product Introduction

The B-200 USB Bluetooth 5.4 LE Audio Adapter (Class 1), powered by the Realtek RTL8761CUV chipset, is a cutting-edge solution for seamless wireless connectivity. Designed for dual-mode operation, it supports both Bluetooth Classic (BR/EDR) and Bluetooth Low Energy (BLE), ensuring compatibility with a wide range of devices. This adapter complies with Bluetooth 5.4, offering enhanced audio transmission quality, low latency, and efficient power management. It integrates a BT protocol stack, supporting L2CAP, GATT, RFCOMM, and SPP, making it ideal for high-performance audio streaming and data communication. With Class 1 capability, it delivers extended range and stable connections, perfect for professional and personal use. The USB interface ensures plug-and-play convenience, making it an excellent choice for PCs, laptops, and other compatible devices. Whether for gaming, conferencing, or music, this adapter provides superior wireless performance.

1.2 Features

- USB 2.0 full-speed dongle in miniature size
- Bluetooth core specification v5.4 compliant
- Supports LE Audio
- Supports Class 1 operation range of up to 20 meters in open space
- Dual mode BR/EDR+BLE
- EDR data rate of up to 3Mbps

1.3 Requirements

- Windows 11 64-bit

1.4 Product Diagram



1.5 Package Contents

- 1x USB Bluetooth 5.4 LE Audio Adapter
- 1x User Manual

Chapter 2: Product Guide

2.1 Installation for Windows



1. Visit URL <https://www.sunrichtech.com.hk/>
2. Search for “B-200”, and download the corresponding driver
3. Follow the prompts to install the driver
4. After the driver installation is complete, restart your computer.

2.2 Technical specifications

Operating frequency: 2402-2480MHz

Max. RF output power: 3.06 dBm

Operating temperature: 0 to 50 °C

The product can be used in EU countries without any restrictions.

2.3 EU Regulatory Conformance

Hereby, we (Sunrich) declared that this device is in compliance with the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

www.sunrichtech.com.hk

2.4 RF Exposure Statement

RF exposure assessment has been performed to prove that this unit will not generate the harmful EM emission above the reference level as specified in EC Council Recommendation (1999/519/EC).

2.5 Correct disposal



Do not dispose of this product with the normal household waste at the end of its life cycle. Return it to a collection point for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, user manual or packaging. The materials are reusable according to their markings. By reusing, recycling or other forms of utilisation of old devices you make an important contribution to the protection of our environment. Please contact your local authorities for details about collection points.

Manufacturer

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Quarry Bay, Hong Kong

2.6 Federal Communications Commission Statement

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

2.7 FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.