RUIZHI Bluetooth 5.4 Dongle-Adapter

RUIZHI Bluetooth 5.4 Dongle-Adapter User Manual
Model: Bluetooth 5.4 Dongle-Adapter

INTRODUCTION

The RUIZHI Bluetooth 5.4 Dongle-Adapter provides a seamless wireless connection for your Windows PC. This USB dongle allows you to connect various Bluetooth-enabled devices such as headphones, mice, keyboards, controllers, and smartphones, enhancing your computing experience with improved speed, stability, and low power consumption.

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Bluetooth adapter.

PRODUCT FEATURES

- **Latest Bluetooth 5.4 + EDR Technology:** Offers faster data transfer speeds (up to 3 Mbit/s) and low power consumption.
- **Enhanced Stability and Anti-Interference:** Reduces transmission loss and resolves issues with unstable device connections and signal interruptions.
- **Wide Compatibility:** Supports Bluetooth 2.0/3.0/4.0/5.0/5.1/5.3 dual-mode devices.
- **Plug and Play:** No driver installation required for Windows 8.1/10/11.
- **Low Latency:** Ensures a smoother entertainment experience with stable transmission efficiency.
- **Portable Design:** Small and compact, requiring minimal space.
- **Multi-Device Connection:** Connect multiple devices simultaneously, such as speakers, keyboards, headphones, mice, and gamepads.
- **Operating Range:** 10-20 meters in open spaces.

SETUP INSTRUCTIONS

Follow these steps to install and set up your RUIZHI Bluetooth 5.4 Dongle-Adapter.

1. Hardware Installation

1. Locate an available USB port on your desktop or laptop computer.
2. Carefully insert the RUIZHI Bluetooth 5.4 Dongle-Adapter into the USB port. Ensure it is fully seated.

Image: The RUIZHI Bluetooth 5.4 Dongle-Adapter being inserted into a laptop USB port. The image also shows compatibility with Windows 7, 8.1, 10, and 11.

2. Driver Installation (Windows)

The adapter supports various Windows operating systems. Please follow the instructions relevant to your system:

- **For Windows 8.1, Windows 10, and Windows 11:** The adapter is Plug and Play. Your operating system should automatically detect and install the necessary drivers. No manual installation is required.
- **For Windows 7:** Driver installation is required. Please download the driver from the following link: https://bit.ly/3QFZuHI. Follow the on-screen instructions to complete the driver installation.

Important Note: This adapter is *not* compatible with Mac OS, Linux, car radios, TVs, or other non-

Windows systems.

Bluetooth 5.4 Adapter

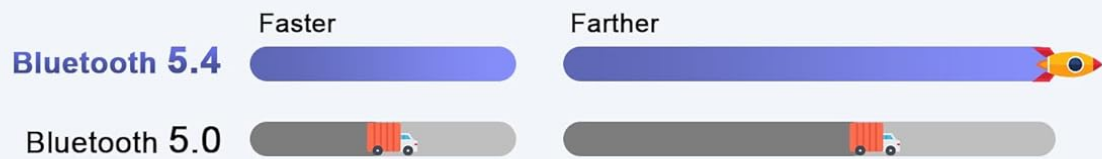|	Faster	Farther
Bluetooth 5.4		
Bluetooth 5.0		

Image: A visual comparison illustrating that Bluetooth 5.4 offers faster speeds and farther range compared to Bluetooth 5.0.

OPERATING INSTRUCTIONS

Once the adapter is installed, you can begin connecting your Bluetooth devices.

Pairing Bluetooth Devices

1. Ensure the RUIZHI Bluetooth 5.4 Dongle-Adapter is plugged into your PC.
2. On your Windows PC, navigate to **Settings > Devices > Bluetooth & other devices**
3. Turn on Bluetooth if it is not already enabled.

4. Click on **'Add Bluetooth or other device'** and select **'Bluetooth'**.

5. Put your Bluetooth device (e.g., headphones, mouse, keyboard) into pairing mode. Refer to your device's manual for specific instructions on how to do this.

6. Your PC will scan for available Bluetooth devices. Select your device from the list when it appears.

7. Follow any on-screen prompts to complete the pairing process, which may include entering a PIN or confirming a code.

Image: The RUIZHI Bluetooth 5.4 Dongle-Adapter shown with icons representing various compatible devices such as smartphones, Bluetooth speakers, headsets, keyboards, printers, gamepads, and mice, indicating simultaneous connection support.

Simultaneous Device Connection

The adapter supports connecting up to 7 Bluetooth devices simultaneously. However, please note that only *one* audio output device is supported at a time.

MAINTENANCE

To ensure the longevity and optimal performance of your RUIZHI Bluetooth 5.4 Dongle-Adapter, follow these maintenance guidelines:

- **Keep Dry:** Avoid exposing the adapter to moisture or liquids, as this can damage internal components.
- **Clean Gently:** If cleaning is necessary, use a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Avoid Extreme Temperatures:** Do not expose the adapter to very high or very low temperatures.
- **Proper Storage:** When not in use for extended periods, store the adapter in a cool, dry place away from direct sunlight.
- **Handle with Care:** Avoid dropping or subjecting the adapter to strong impacts.

TROUBLESHOOTING

If you encounter issues with your RUIZHI Bluetooth 5.4 Dongle-Adapter, refer to the following common problems and solutions:

- **Device Not Recognized / Not Functioning Immediately:**
  When first plugged in, the system may take 10-15 seconds to recognize and register the device. Allow a short period for the system to initialize the adapter.
- **Frequent Disconnections or Unstable Signal:**
  Ensure the adapter is securely plugged into the USB port. Try using a different USB port. Reduce the distance between the adapter and the connected Bluetooth device, and minimize obstructions.
- **Cannot Pair with Device:**
  Ensure your Bluetooth device is in pairing mode. Check that Bluetooth is enabled on your PC. Restart both your PC and the Bluetooth device, then attempt pairing again.
- **No Audio Output from Bluetooth Headphones/Speakers:**
  Verify that the Bluetooth audio device is selected as the default playback device in your Windows sound settings. Remember that only one audio output device is supported at a time.
- **Adapter Not Working After Sleep Mode or Restart:**
  If the adapter becomes unresponsive, try unplugging it from the USB port, restarting your computer, and then re-inserting the adapter. Ensure all Windows-native drivers for external Bluetooth devices are up to date.
- **Incompatibility Issues:**
  Confirm that your operating system is Windows 7, 8.1, 10, or 11. The adapter is not compatible with Mac OS, Linux, car radios, or TVs.

SPECIFICATIONS

Brand	RUIZHI
Model	Bluetooth 5.4 Dongle-Adapter
Hardware Interface	Bluetooth 5
Datalink Protocol	Bluetooth

Data Transfer Rate	100 Megabits per second (up to 3 Mbit/s EDR)
Compatible Operating Systems	Windows 7 / 8.1 / 10 / 11
Compatible Devices	Desktop, Laptop, Headphones, Keyboard, Mouse, Gamepads, Smartphones, Bluetooth Speakers, Bluetooth Printers
Dimensions (approx.)	29mm (length) x 15mm (width) x 5mm (thickness)
Weight (approx.)	20g

Support BR+EDR+BLE low-power Bluetooth dual-mode transmission, faster transmission rate, stronger anti-interference, low-loss
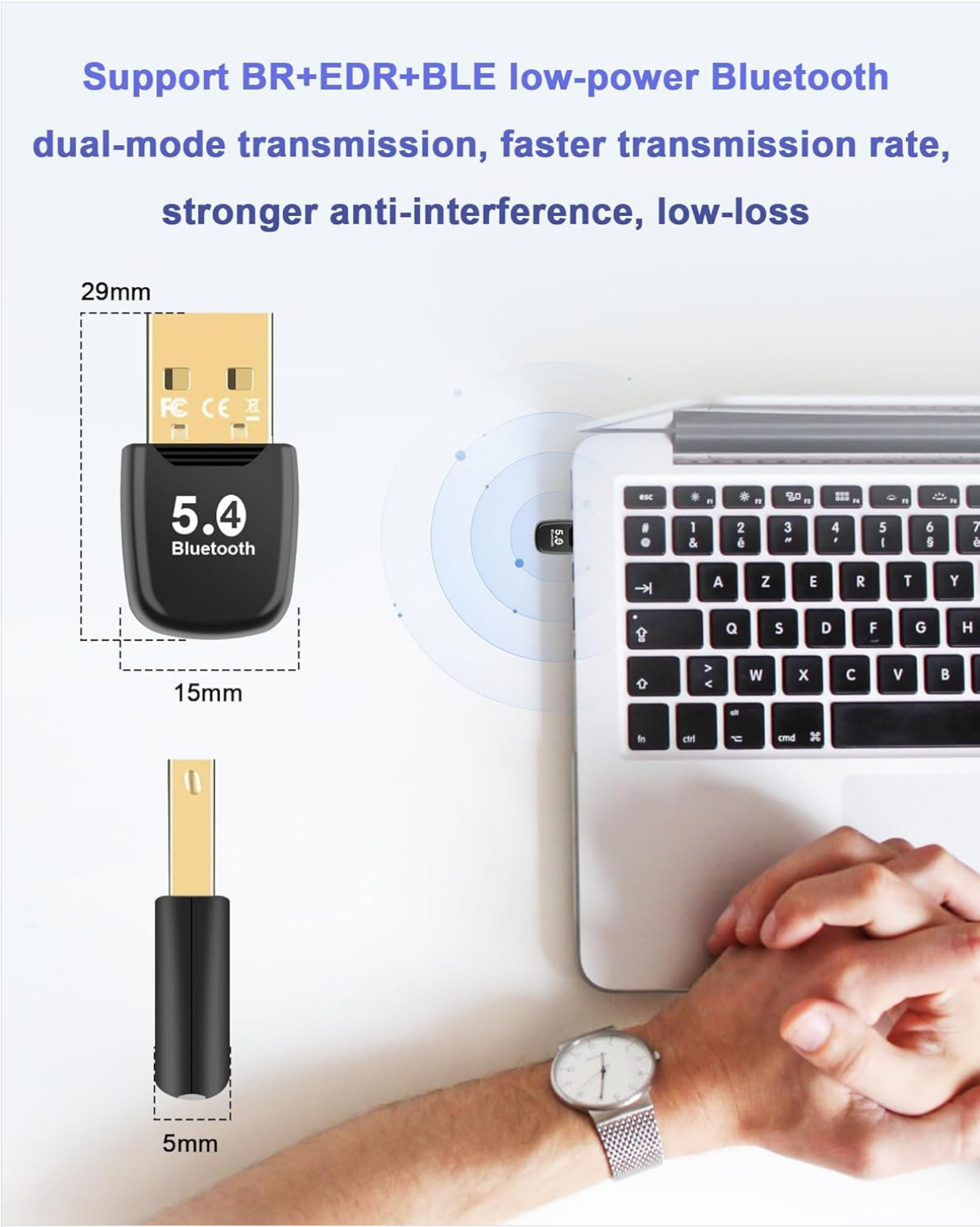
Image: The RUIZHI Bluetooth 5.4 Dongle-Adapter showing its compact dimensions (29mm length, 15mm width, 5mm thickness) and its connection to a laptop.

High performance Bluetooth 5.4 chip

Transmission rate up to 3Mb/s, lower latency, strong anti-interference

Low Latency

High Performance

Plug and Play

High Transmission Rate

Image: A diagram highlighting the key features of the high-performance Bluetooth 5.4 chip: Low Latency, High Performance, Plug and Play, and High Transmission Rate.

SAFETY INFORMATION

Please read and follow these safety guidelines to prevent damage to the product or injury to yourself:

- Do not attempt to disassemble or modify the adapter.
- Keep out of reach of children.
- Avoid extreme temperatures, direct sunlight, and humid environments.
- Do not expose to fire or open flames.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer where you purchased the product or contact RUIZHI customer service directly. Keep your proof of purchase for any warranty claims.