EDiMAX BT-8500

Edimax BT-8500 Bluetooth 5.0 Nano USB Adapter User Manual

Model: BT-8500

1. Introduction

The Edimax BT-8500 is a compact, nano-sized Bluetooth 5.0 + EDR USB adapter designed to provide seamless wireless connectivity for your devices. It offers enhanced data transfer speeds and an extended operating range compared to previous Bluetooth versions. This manual provides instructions for setting up, operating, and maintaining your BT-8500 adapter.

Key features include:

- Bluetooth 5.0 with Enhanced Data Rate (EDR) for speeds up to 3Mbps.
- Extended indoor range of up to 40 meters.
- Support for Bluetooth Low Energy (BLE) for optimized power consumption.
- Dual-Audio Sharing capability.
- Compatibility with Windows 8.1/10 and Linux (Kernel 2.6.32-5.3 or above, Fedora & Ubuntu only).



Figure 1: Edimax BT-8500 Bluetooth 5.0 Nano USB Adapter.

2. Safety Information

Please read and follow these safety guidelines to ensure proper operation and prevent damage to the device or injury:

- Do not expose the adapter to water, moisture, or extreme temperatures.
- Do not attempt to disassemble or modify the adapter. This will void the warranty.
- Keep the adapter away from strong electromagnetic fields.
- Use only with compatible USB ports.
- Keep out of reach of children.

3. Package Contents

The package should contain the following items:

- 1 x Edimax BT-8500 Bluetooth 5.0 Nano USB Adapter

- 1 x Quick Installation Guide (if included in physical package)

4. Setup

4.1. Driver Installation

The Edimax BT-8500 is designed for plug-and-play functionality on supported operating systems. In most cases, drivers will install automatically upon connection.

Windows 8.1/10:

1. Insert the BT-8500 adapter into an available USB port on your computer.
2. Windows will automatically detect the new hardware and attempt to install the necessary drivers.
3. A notification will appear once the device is ready for use.
4. If drivers do not install automatically, please visit the official Edimax support website for the latest drivers.

Linux (Kernel 2.6.32-5.3 or Above, Fedora & Ubuntu only):

1. Insert the BT-8500 adapter into an available USB port on your computer.
2. Most modern Linux distributions (especially Fedora and Ubuntu with specified kernel versions) will recognize the adapter automatically.
3. Verify the adapter's status using your system's Bluetooth manager or command-line tools (e.g.,lsusb to check for device detection, hciconfig for Bluetooth interface status).
4. If issues arise, ensure your system's kernel is up to date and consult distribution-specific documentation or forums.



Figure 2: Compatibility with various operating systems and devices.

5. Operating the Adapter

5.1. Pairing Bluetooth Devices

Once the adapter is installed, you can pair it with your Bluetooth-enabled devices:

1. Ensure Bluetooth is enabled on your computer. You can usually find this in the system settings (e.g., Windows Settings > Devices > Bluetooth & other devices).
2. Put your Bluetooth device (e.g., headphones, speaker, mouse, keyboard) into pairing mode. Refer to your device's manual for specific instructions on how to do this.
3. On your computer, search for new Bluetooth devices.
4. Select your device from the list of discovered devices and follow the on-screen prompts to complete the pairing process. You may be asked to enter a PIN or confirm a code.

5.2. Dual-Audio Sharing

The BT-8500 supports Dual-Audio Sharing, allowing you to connect two pairs of Bluetooth headphones or speakers simultaneously to share audio without performance degradation. This feature is dependent on your operating system's Bluetooth stack and audio management capabilities.

To utilize Dual-Audio Sharing:

1. Ensure both audio devices are paired with your computer.
2. Access your computer's sound settings or Bluetooth audio output options.
3. Select both devices as audio output sources if your operating system supports simultaneous output to multiple Bluetooth devices. Some systems may require third-party software or specific configurations.



Figure 3: Wireless data sharing capabilities.

6. Maintenance

The Edimax BT-8500 adapter requires minimal maintenance. Follow these guidelines to ensure its longevity:

- Keep the adapter clean and free from dust. Use a soft, dry cloth to wipe it if necessary.
- Avoid dropping the adapter or subjecting it to physical shock.
- Store the adapter in a cool, dry place when not in use.
- Do not insert foreign objects into the USB connector.



Figure 4: Energy-efficient design of the adapter.

7. Troubleshooting

If you encounter issues with your Edimax BT-8500 adapter, try the following solutions:

Problem	Possible Solution

Problem	Possible Solution
Adapter not detected by computer.	• Try a different USB port. • Restart your computer. • Check Device Manager (Windows) or lsusb (Linux) to see if the device is listed. • Ensure drivers are correctly installed. Download from Edimax support if necessary.
Cannot pair with Bluetooth devices.	• Ensure your Bluetooth device is in pairing mode. • Make sure Bluetooth is enabled on your computer. • Move the device closer to the adapter. • Remove previously paired instances of the device from your computer's Bluetooth settings and try pairing again. • Restart both the computer and the Bluetooth device.
Poor connection or audio quality.	• Reduce the distance between the adapter and the Bluetooth device. • Minimize obstacles (walls, large metal objects) between the devices. • Avoid interference from other wireless devices (Wi-Fi routers, cordless phones). • Ensure your computer's drivers are up to date.

8. Specifications

Feature	Detail
Brand	EDiMAX
Model	BT-8500
Product Dimensions	1.49 x 1.49 x 1.74 cm; 40 g (approx. 15 x 15 x 17 mm)
Hardware Interface	Bluetooth, USB
Data Transfer Rate	3 Megabits Per Second (Mbps)
Data Link Protocol	Bluetooth, USB
Compatible Devices	Desktop
Operating System Support	Windows 8.1/10, Linux (Kernel 2.6.32-5.3 or Above, Fedora & Ubuntu only)
Total USB Ports	1
Country of Origin	China
UPC	649659025554

9. Warranty and Support

9.1. Warranty Information

EDiMAX products typically come with a limited warranty. Please refer to the warranty card included with your product or visit the official EDiMAX website for detailed warranty terms and conditions specific to your region.

9.2. Technical Support

For technical assistance, driver downloads, or further inquiries, please visit the official EDiMAX support website:

www.edimax.com/support/

You may also find helpful resources, FAQs, and community forums on their website.

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Details

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