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Techkey 8541553260

Techkey 1200Mbps Dual Band USB WiFi Wireless Adapter User Manual

Model: 8541553260 | Brand: Techkey

INTRODUCTION

The Techkey 1200Mbps Dual Band USB WiFi Wireless Adapter is designed to provide high-speed wireless connectivity for your desktop or laptop computer. Featuring dual-band support (2.4GHz and 5GHz) and high-gain antennas, this adapter enhances your device's ability to connect to Wi-Fi networks with improved speed and range. It is ideal for online gaming, HD video streaming, and general internet browsing.





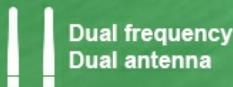
Image: The Techkey 1200Mbps Dual Band USB WiFi Wireless Adapter, showcasing its compact design and dual external antennas.

KEY FEATURES

- **Stronger Signals and Wider Range:** Equipped with two dual-band long-range 5dBi high-gain antennas for flexible connectivity, enabling access to the latest dual-band WiFi routers for faster speed and greater range.
- **High WiFi Speed:** AC1200Mbps with 802.11ac standard, offering speeds up to 867Mbps on the 5GHz band or 300Mbps on the 2.4GHz band, suitable for online gaming and seamless HD video streaming.
- **WiFi Hotspot (Soft AP Mode):** This WiFi dongle can convert a wired internet connection into a WiFi hotspot, allowing you to share wireless signals with mobile phones, laptops, tablets, or other devices from your PC.
- **USB 3.0 Connectivity:** Features a USB 3.0 port, providing data transfer speeds up to 10 times faster than USB 2.0, ensuring higher throughput and a more stable internet connection. It is backward compatible with USB 2.0 and 1.1 devices.
- **System Support:** Compatible with Windows 10, 8.1, 8, 7, Vista, and XP operating systems. Driver installation may be required for initial setup.

1200Mbps DUAL ANTENNA Wi-Fi

Provide you with or enhance Wi-Fi function



Dual frequency
Dual antenna



USB 3.0



AP Mode



High speed
1200Mbps

Image: The Techkey 1200Mbps Dual Antenna Wi-Fi adapter positioned next to a laptop, illustrating its role in providing or enhancing Wi-Fi functionality.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and in good condition. The standard package for the Techkey 1200Mbps Dual Band USB WiFi Wireless Adapter typically includes:

- 1 x Techkey 1200Mbps Dual Band USB WiFi Wireless Adapter
- 1 x Driver CD (or link to driver download)

SETUP INSTRUCTIONS

1. Driver Installation

Before plugging in the adapter, it is recommended to install the necessary drivers. For Windows operating systems, the driver may be automatically detected and installed. However, manual installation is often required for optimal performance or if automatic installation fails.

1. Insert the provided driver CD into your computer's CD/DVD drive. If your computer does not have a CD/DVD drive, please visit the official Techkey support website to download the latest drivers for your specific operating system.
2. Follow the on-screen instructions to complete the driver installation process. You may need to restart your computer after installation.

Note: For Mac OS users (10.9-10.15), specific drivers are also available on the Techkey support website.

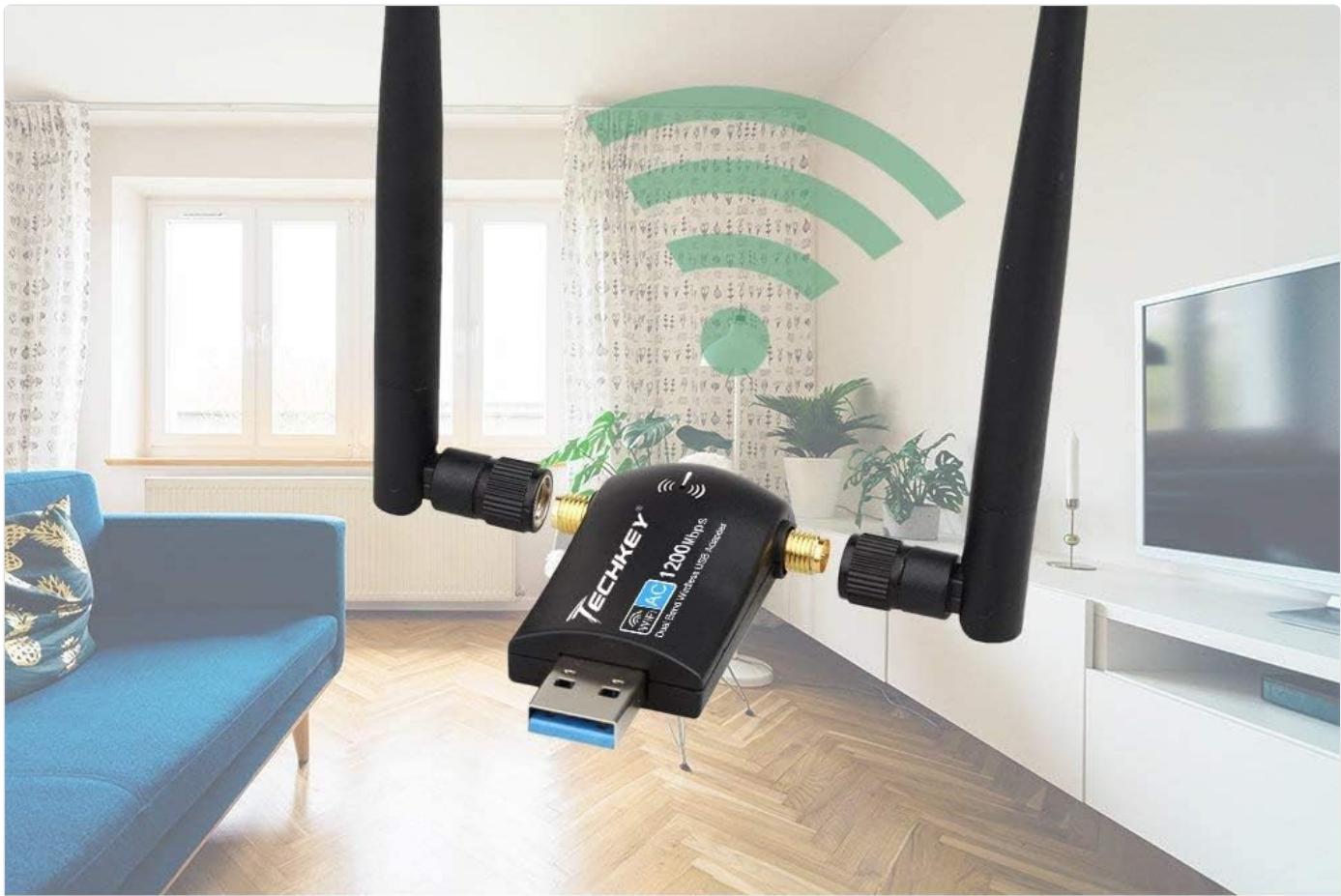
2. Physical Connection

Once the drivers are installed, or if you are relying on automatic driver detection:

1. Locate an available USB 3.0 port on your desktop or laptop. While the adapter is backward compatible with USB 2.0, using

a USB 3.0 port will ensure maximum performance.

2. Carefully insert the Techkey USB WiFi Adapter into the USB port. Ensure it is fully seated.
3. The blue LED indicator on the adapter should light up, indicating it is powered on.



802.11ac

Dual Band



Great Compatibility

RTL8812BU

Premium Chipset

64/128 bit
WEP/WPA-PSK/
WPA2-PSK

High Security

external+internal

Antennas

FC CE RoHS

Strict Standard

Image: An illustration highlighting the adapter's compatibility with various operating systems (Windows, Linux) and its security protocols (WEP/WPA/WPA2-PSK).

3. Connecting to a Wi-Fi Network

After the adapter is connected and drivers are installed:

1. Open your computer's network settings (e.g., Wi-Fi settings in Windows).
2. Select the desired Wi-Fi network from the list of available networks.
3. Enter the network password (if required) and click 'Connect'.
4. Your computer should now be connected to the internet via the Techkey WiFi adapter.

OPERATING MODES

1. Station Mode (Receive WiFi Signal)

In Station Mode, the adapter functions as a client device, receiving Wi-Fi signals from your wireless router to connect your computer to the internet. This is the primary mode for most users.



Image: A diagram illustrating the adapter in Station Mode, receiving a Wi-Fi signal from a wireless router to provide internet access to a computer.

2. AP Mode (Transmit WiFi Signal / WiFi Hotspot)

The Soft AP (Access Point) mode allows the adapter to turn your wired internet connection into a Wi-Fi hotspot. This enables other wireless devices, such as smartphones, tablets, or other laptops, to connect to the internet through your computer.

1. Ensure your computer has a wired internet connection.
2. Install the necessary software for AP mode (usually included with the driver package or available from Techkey's website).
3. Configure the hotspot settings, including network name (SSID) and password.
4. Activate the AP mode. Your computer will now broadcast a Wi-Fi signal.



Image: A diagram illustrating the adapter in AP Mode, transmitting a Wi-Fi signal from a computer to other wireless devices like laptops and tablets.



Image: A desktop PC connected to the adapter, demonstrating its capability to emit a Wi-Fi signal, allowing a smartphone to share the internet connection.

SPECIFICATIONS

Feature	Detail
Product Dimensions	7.16 x 5.07 x 0.59 inches (18.19 x 12.88 x 1.5 cm)
Item Weight	1.6 ounces (45.36 grams)
Item Model Number	8541553260
Brand	Techkey
Hardware Interface	USB 3.0 (backward compatible with USB 2.0/1.1)
Color	black-1200

Feature	Detail
Compatible Devices	Desktop, Laptop, Tablet
Data Link Protocol	USB, 802.11ac, 802.11n, 802.11g
Data Transfer Rate	Up to 1200 Mbps (867Mbps on 5GHz, 300Mbps on 2.4GHz)
Antennas	Dual 5dBi High-Gain Antennas
Manufacturer	Techkey/Shenzhen Denos Trade Co., Ltd.
UPC	602016608746, 619317482067, 602016610954



Image: A visual representation of the adapter's key specifications, including dual-band capabilities (2.4GHz and 5.8GHz), USB 3.0 interface, 5dBi antenna gain, and 1200Mbps maximum speed.



Image: An illustration detailing the physical dimensions of the adapter and demonstrating the multi-directional adjustment capabilities of its antennas, allowing for 360-degree and 90-degree rotation.

MAINTENANCE

To ensure the longevity and optimal performance of your Techkey USB WiFi Wireless Adapter, please follow these maintenance guidelines:

- **Keep Clean:** Regularly wipe the adapter with a soft, dry cloth to remove dust and debris. Avoid using liquid cleaners or abrasive materials.
- **Proper Handling:** Always grasp the adapter by its body when inserting or removing it from a USB port. Avoid pulling by the antennas or the USB connector.
- **Environmental Conditions:** Store and operate the adapter in a cool, dry environment. Avoid exposure to extreme temperatures, direct sunlight, or high humidity.
- **Antenna Adjustment:** While the antennas are designed for multi-directional adjustment, avoid excessive force or

continuous rotation beyond their intended range to prevent damage.

- **Software Updates:** Periodically check the official Techkey website for updated drivers or firmware, which can improve performance and compatibility.

TROUBLESHOOTING

If you encounter issues with your Techkey USB WiFi Wireless Adapter, refer to the following common problems and solutions:

- **Adapter Not Detected / Not Working:**

- Ensure the adapter is fully inserted into a functioning USB port. Try a different USB port.
- Verify that the drivers are correctly installed. Reinstall drivers if necessary, ensuring you download the correct version for your operating system from the Techkey website.
- Check Device Manager (Windows) to see if the adapter is recognized and if there are any error indicators.

- **Slow Connection Speed:**

- Ensure you are connected to the 5GHz band if available, as it generally offers faster speeds.
- Confirm you are using a USB 3.0 port for optimal performance.
- Adjust the position of the adapter's antennas for better signal reception.
- Reduce interference by moving the adapter away from other electronic devices.
- Update your router's firmware and ensure it is configured for optimal performance.

- **Frequent Disconnections / Signal Drops:**

- This can sometimes be caused by driver issues. Ensure you have the latest stable drivers installed.
- Check for physical obstructions or sources of interference between the adapter and your router.
- Ensure the adapter's antennas are positioned correctly for the best signal.
- If using AP mode, ensure your wired connection is stable.

- **Cannot Connect to Wi-Fi Network:**

- Double-check the Wi-Fi password.
- Ensure your router is broadcasting a signal and is within range.
- Restart your computer and router.

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or visit the official Techkey website. The website typically provides detailed warranty terms, FAQs, driver downloads, and contact information for customer service.

Official Techkey Website: www.techkey.com (Please note: This is a placeholder URL. Refer to your product packaging or official vendor information for the correct support website.)

1. PRODUCT INFORMATION Product Name: Bluetooth USB Adapter Model: BT-06 FCC ID: 2AKC6XHT-BT06D Date of Evaluation: 01/01/2024	
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[RF Exposure Evaluation Report for Techkey BT-06 Bluetooth USB Adapter](#)

This report details the RF exposure evaluation for the Techkey BT-06 Bluetooth USB Adapter (Model: BT-06, Techkey-001, FCC ID: 2AKC6XHT-BT06D), including the evaluation method, calculation, and conclusion.

2. EVALUATION METHOD The Techkey BT-06 is evaluated using the IEEE C95.1-2018 standard. The device is placed in a horizontal position, 10 cm from the body, and the antenna is oriented vertically. The device is connected to a laptop via a USB cable. The power level is set to 100% of the maximum output. The SAR value is calculated using the IEEE C95.1-2018 standard. The SAR value is 1.2 W/kg.	
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[AUKey User Management System Updates and Features](#)

Detailed specifications and updates for the AUKey User Management system, including changes to user auditing, profile management, and data handling policies. Covers feature requests and UI modifications.