ASUS PCE-AC55BT B1

ASUS PCE-AC55BT B1 AC1200 Wireless Bluetooth 4.2 PCIe/Mpcie Adapter Instruction Manual

Model: PCE-AC55BT B1

PRODUCT OVERVIEW

The ASUS PCE-AC55BT B1 PCIe adapter provides powerful AC1200 Wi-Fi and Bluetooth 4.2 connectivity for your desktop PC. It includes an external antenna base designed to enhance coverage. For increased flexibility, the M.2 card can be detached from the PCIe adapter, allowing installation in various barebones Mini PCs.

Key Features

- AC1200 high-speed wireless internet connectivity
- Wireless AC dual-band for low latency streaming and high-performance online gaming
- Bluetooth 4.2 and BLE connectivity
- External antenna base for optimum signal reception
- Operating frequency: 2.4 GHz / 5 GHz

Video Description: This video provides a general overview of the product, highlighting its features and design. It showcases the adapter and its components, offering a visual introduction to the device's capabilities.

PACKAGE CONTENTS

Verify that all items are present in your product package:

- PCE-AC55BT B1 adapter
- Low profile bracket
- Support CD
- Warranty card
- Wireless LAN Adapter

INSTALLATION GUIDE

Hardware Installation

Follow these steps to install your ASUS PCE-AC55BT B1 adapter into your desktop computer.

Before You Begin:

- Ensure your computer is powered off and unplugged from the wall outlet.
- Open your computer case to access the motherboard.
- It is recommended to download the latest drivers from the ASUS support website before starting the hardware installation, if possible.

Step-by-Step Installation:

1. Locate an available PCIe x1 slot on your motherboard.
2. Carefully insert the PCE-AC55BT B1 adapter into the PCIe slot, ensuring it is seated firmly.
3. Secure the adapter with a screw to the computer case.
4. Connect the provided USB cable from the adapter to an available F_USB connector on your motherboard. This is essential for Bluetooth functionality.
5. Attach the external antenna base to the adapter's connectors on the back of your PC. Position the antenna for optimal signal reception.
6. Close your computer case and reconnect all cables.

Image Description: A close-up view of the ASUS PCE-AC55BT B1 adapter, showcasing its red heatsink, PCIe connector, and antenna ports. This image provides a visual reference for identifying the product components during installation.

Video Description: This video demonstrates the general setup and installation process for a PCIe Wi-Fi card, including opening the PC case, inserting the card into a PCIe slot, connecting the internal USB cable for Bluetooth, and attaching the external antenna. While the specific product shown may differ, the steps are broadly applicable to the ASUS PCE-AC55BT B1 adapter.

Driver Installation

After hardware installation, you need to install the necessary drivers for your operating system to recognize and utilize the adapter's Wi-Fi and Bluetooth functions.

Using the Support CD:

- Insert the provided Support CD into your computer's optical drive.
- Follow the on-screen instructions to install the Wi-Fi and Bluetooth drivers.

Downloading Latest Drivers:

- For the most up-to-date drivers, visit the official ASUS support website.
- Search for 'PCE-AC55BT B1' and download the latest Wi-Fi and Bluetooth drivers compatible with your operating system (Windows 7, 8, 8.1, 10).
- Run the downloaded installer files and follow the on-screen prompts to complete the installation.
- Restart your computer after installation to ensure all changes take effect.

Operating Instructions

Wi-Fi Connectivity

- After driver installation, click on the Wi-Fi icon in your system tray (usually bottom-right corner of the screen).
- Select your desired Wi-Fi network from the list and enter the password if prompted.
- The adapter supports dual-band (2.4 GHz and 5 GHz) for flexible and high-speed connections.

Bluetooth Connectivity

- Ensure the internal USB cable is correctly connected for Bluetooth functionality.
- Go to your computer's Bluetooth settings (e.g., Windows Settings > Devices > Bluetooth & other devices).
- Turn on Bluetooth and click 'Add Bluetooth or other device'.
- Select 'Bluetooth' and choose your device from the list to pair.

Technical Specifications

Specification	Detail
Wireless Type	802.11a/ac
Data Transfer Rate	1200 Megabits Per Second
Data Link Protocol	Bluetooth, Wi-Fi
Bluetooth Version	4.2
Hardware Interface	PCIe, Bluetooth

Operating System Compatibility	Windows 7, 8, 8.1, 10, Linux
Item Model Number	PCE-AC55BT B1
Product Dimensions	5.51 x 1.97 x 7.08 inches
Item Weight	8.4 ounces

IMPORTANT INFORMATION

Legal Disclaimer

Actual data throughput and Wi-Fi coverage will vary based on network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, which may result in lower actual data throughput and wireless coverage.

WARRANTY AND TECHNICAL SUPPORT

Your ASUS PCE-AC55BT B1 adapter comes with a warranty card included in the package. Please refer to this card for detailed warranty terms and conditions. For technical assistance, driver downloads, or further support, please visit the official ASUS support website or contact their customer service.