

## BrosTrend AX1800 M.2 WiFi 6 / Bluetooth Combo Card

# BrosTrend AX1800 M.2 WiFi 6 and Bluetooth 5.2 Combo Card User Manual

Model: AX1800 M.2 WiFi 6 / Bluetooth Combo Card

## INTRODUCTION

---

This manual provides comprehensive instructions for the installation, setup, and operation of your BrosTrend AX1800 M.2 WiFi 6 and Bluetooth 5.2 Combo Card. This internal computer networking card is designed to enhance your laptop's wireless capabilities, offering high-speed WiFi 6 connectivity and advanced Bluetooth 5.2 features.



Image: The BrosTrend AX1800 M.2 WiFi 6 and Bluetooth 5.2 Combo Card, a compact internal network adapter.

## PACKAGE CONTENTS

Verify that your package contains the following items:

- 1 x M.2 WiFi 6 / Bluetooth Combo Card
- 1 x Quick Installation Guide
- 2 x Screws (one spare)
- 1 x Screwdriver



Image: A visual representation of the BrosTrend AX1800 M.2 WiFi 6 / Bluetooth Combo Card, quick installation guide, two screws, and a screwdriver included in the package.

## SETUP

### 1. Driver Installation (Pre-installation)

It is recommended to download and install the necessary drivers before physically installing the M.2 card. This ensures your system recognizes the new hardware immediately upon boot-up.

1. Visit the official BrosTrend website: [www.brostreet.com](http://www.brostreet.com).
2. Navigate to the support or download section for the AX1800 M.2 WiFi 6 / Bluetooth Combo Card.
3. Download the latest WiFi and Bluetooth drivers compatible with your operating system (Windows 10/11).
4. Extract the downloaded .zip files and run the setup.exe for both WiFi and Bluetooth drivers.
5. After successful driver installation, shut down your laptop completely before proceeding with physical installation.

Your browser does not support the video tag.

Video: Instructions on how to download and install the WiFi driver for the M.2 WiFi Card from the BrosTrend website.

### Powerful Chip, Universal Compatibility

Boost WiFi performance and Bluetooth connections with the latest Realtek chip. Enjoy a seamless upgrade, as this card is compatible with any motherboard featuring Intel or AMD CPUs.

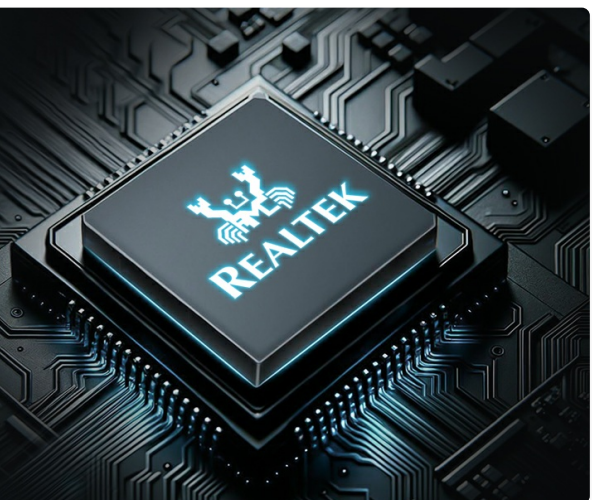


Image: A laptop screen displaying the BrosTrend website, highlighting the section for downloading drivers for the M.2 WiFi 6 / Bluetooth Combo Card.

### 2. Physical Installation

Follow these steps to physically install the M.2 WiFi 6 and Bluetooth Combo Card into your laptop:

1. **Prepare Your Laptop:** Ensure your laptop is completely powered off and disconnected from any power source. Remove the base cover of your laptop to access the internal components.
2. **Locate M.2 Slot:** Identify the M.2 slot on your laptop's motherboard. If an existing M.2 network card is present, you will need to remove it.
3. **Remove Existing Card (if any):**
  - Carefully disconnect the antenna cables from the existing network card.
  - Unscrew the retaining screw that secures the card to the motherboard.
  - Gently slide and lift the existing network card out of the M.2 slot.
4. **Install New Card:**
  - Align the BrosTrend AX1800 M.2 WiFi 6 / Bluetooth Combo Card with the M.2 slot. The card is NGFF M.2 2230 form factor, compatible with Key A and Key E slots.
  - Gently slide the new card into the slot until it is fully seated.
  - Secure the card with the provided screw.
  - Reconnect the antenna cables to the new network card. The MHF4 / IPEX4 connectors allow flexible connection to either antenna port.
5. **Reassemble Laptop:** Carefully replace the base cover of your laptop and secure it with all screws.
6. **Power On:** Connect your laptop to power and turn it on.

Your browser does not support the video tag.

Video: A visual guide demonstrating the physical installation process of the M.2 AX1800 WiFi 6 and Bluetooth Combo Card into a laptop.

# Empower Your Laptop with AX1800 **WiFi 6** Speeds

**1201** Mbps  
on 5GHz



**574** Mbps  
on 2.4GHz



Image: The BrosTrend AX1800 M.2 WiFi 6 card shown installed within a laptop, illustrating its compact size and placement.



# NGFF M.2 2230 Form Factor

Standard **Key A** and **Key E** Slots

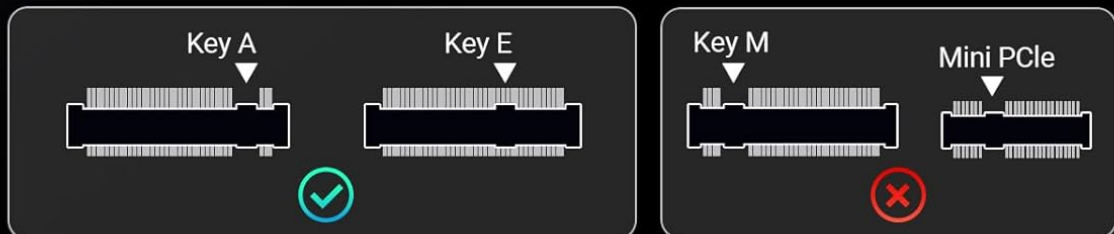


Image: A close-up of the BrosTrend M.2 WiFi 6 card, detailing its NGFF M.2 2230 form factor and compatibility with Key A and Key E slots.

## Secure Your WiFi Connection

The latest security protocol, WPA3, offers cutting-edge protection for personal data. Enjoy faster wireless speeds with added peace of mind, even when connected to public networks.



Image: The MHF4 / IPEX4 antenna connectors on the BrosTrend WiFi card, designed for connecting existing laptop antennas.

## OPERATING INSTRUCTIONS

### 1. Connecting to a WiFi Network

After successful installation and driver setup, your laptop should detect available WiFi networks.

1. Click the network icon on your taskbar (usually located in the bottom-right corner).
2. Select the desired WiFi network from the list.
3. Click "Connect".
4. Enter the WiFi password when prompted and click "Next".
5. After a short while, the network status will change to "Connected".

## Bluetooth 5.2

Connects to More Bluetooth Devices

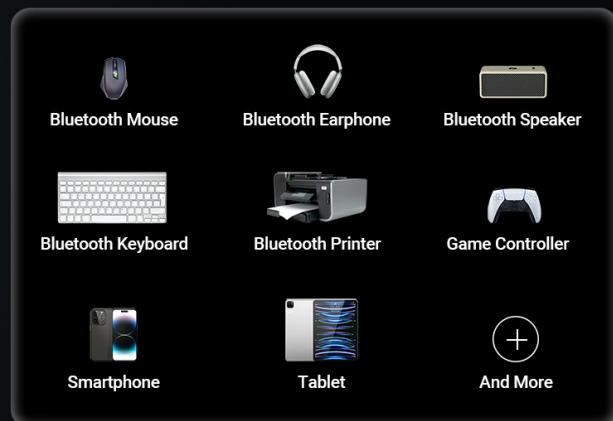


Image: A person engaged in a video call on a laptop, demonstrating the smooth connectivity provided by the BrosTrend WiFi card.

### 2. Bluetooth Pairing

The BrosTrend AX1800 card supports Bluetooth 5.2, offering faster speeds and broader range compared to older standards. To pair a Bluetooth device:

1. Ensure Bluetooth is enabled on your laptop (check Windows Settings > Devices > Bluetooth & other devices).
2. Put your Bluetooth device into pairing mode.

3. On your laptop, click "Add Bluetooth or other device" and select "Bluetooth".
4. Select your device from the list and follow any on-screen prompts to complete pairing.

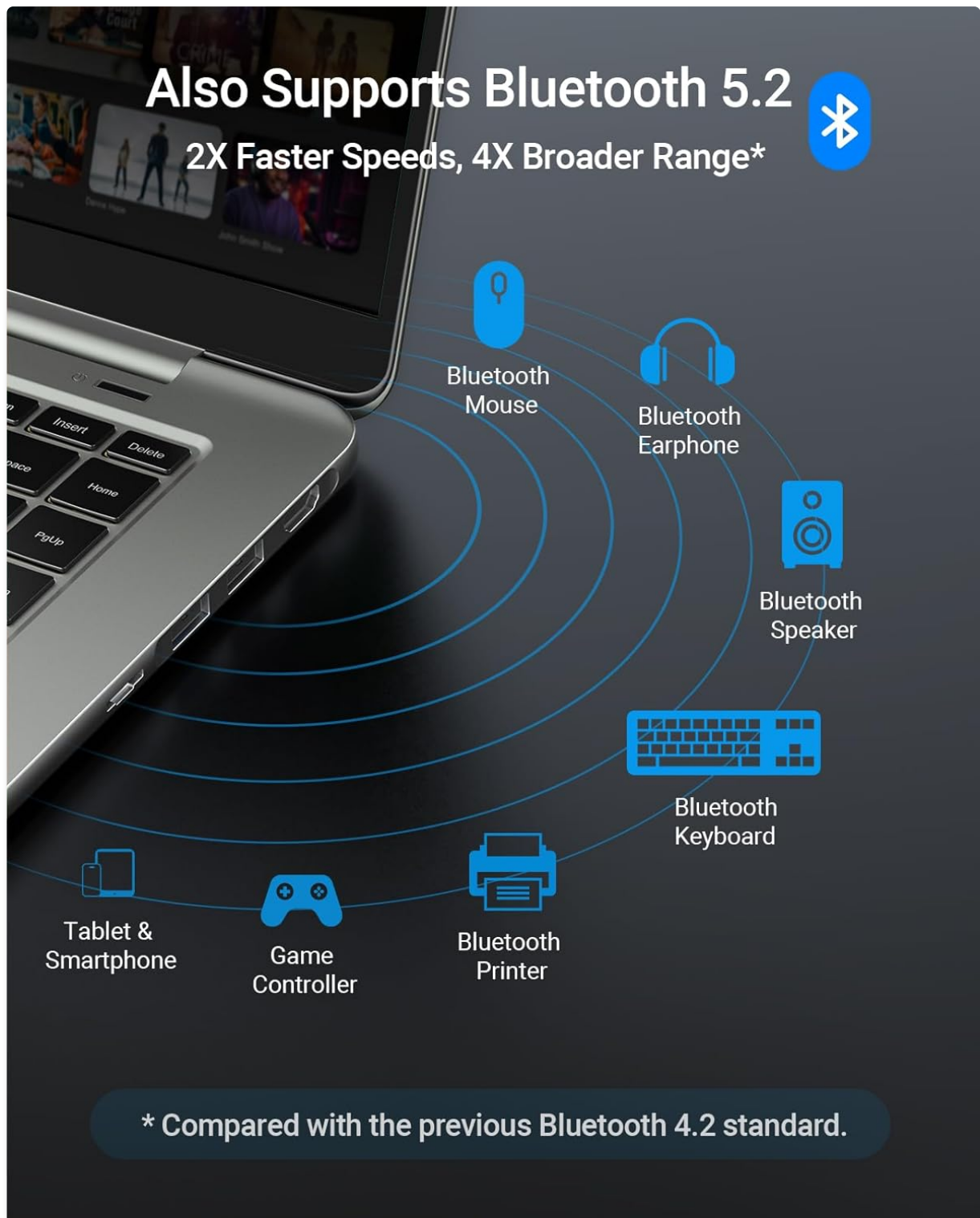


Image: An illustration showing a laptop wirelessly connected to multiple Bluetooth 5.2 devices such as a mouse, earphones, speaker, keyboard, smartphone, tablet, printer, and game controller.

## MAINTENANCE

To ensure optimal performance and security, regularly check for and install the latest drivers for your BrosTrend AX1800 M.2 WiFi 6 and Bluetooth 5.2 Combo Card. Drivers can be found on the official BrosTrend website.

Keep your laptop's internal components clean from dust to prevent overheating, which can affect network card performance.



## TROUBLESHOOTING

- **No WiFi or Bluetooth after installation:**
  - Ensure drivers are correctly installed. Re-download and install if necessary.
  - Verify the card is properly seated in the M.2 slot and the retaining screw is secure.
  - Check that antenna cables are securely connected to the card.
  - Confirm your laptop's BIOS/UEFI settings do not disable the M.2 slot or wireless functionality.
- **Slow WiFi speeds:**
  - Ensure you are connected to a WiFi 6 compatible router.
  - Check for interference from other devices or networks.
  - Update your router's firmware.
  - Verify that your laptop's power settings are not limiting wireless adapter performance.
- **Bluetooth device not pairing:**
  - Ensure the Bluetooth device is in pairing mode and within range.
  - Check if other Bluetooth devices are interfering.
  - Restart both your laptop and the Bluetooth device.

## SPECIFICATIONS

Feature	Detail
Model Number	AX1800 M.2 WiFi 6 / Bluetooth Combo Card
WiFi Standard	WiFi 6 (IEEE 802.11ax)
Data Transfer Rate	Up to 1800 Mbps (1201 Mbps on 5GHz, 574 Mbps on 2.4GHz)
Bluetooth Version	Bluetooth 5.2
Form Factor	NGFF M.2 2230 (Key A and Key E slots)
Compatible Operating Systems	Windows 10/11 (64-bit), Linux (kernel 6.5 or higher)
Dimensions	1.18 x 0.87 x 0.08 inches
Item Weight	0.882 ounces (25 Grams)
Key Technologies	UL/DL MU-MIMO, OFDMA, 1024-QAM, WPA3, TWT

# WiFi 6 Connections with No Latency

- UL/DL MU-MIMO
- OFDMA
- 1024-QAM



Image: A person using a laptop, illustrating the benefits of WiFi 6 technologies like UL/DL MU-MIMO, OFDMA, and 1024-QAM for low-latency connections.

# Extended Laptop Battery Life

TWT technology enables your laptop to negotiate with your WiFi router, optimizing wake times for data transmissions. This reduces power consumption and extends your laptop's battery life.



Image: A close-up of the Realtek chip, emphasizing its role in boosting WiFi and Bluetooth performance and ensuring universal compatibility.

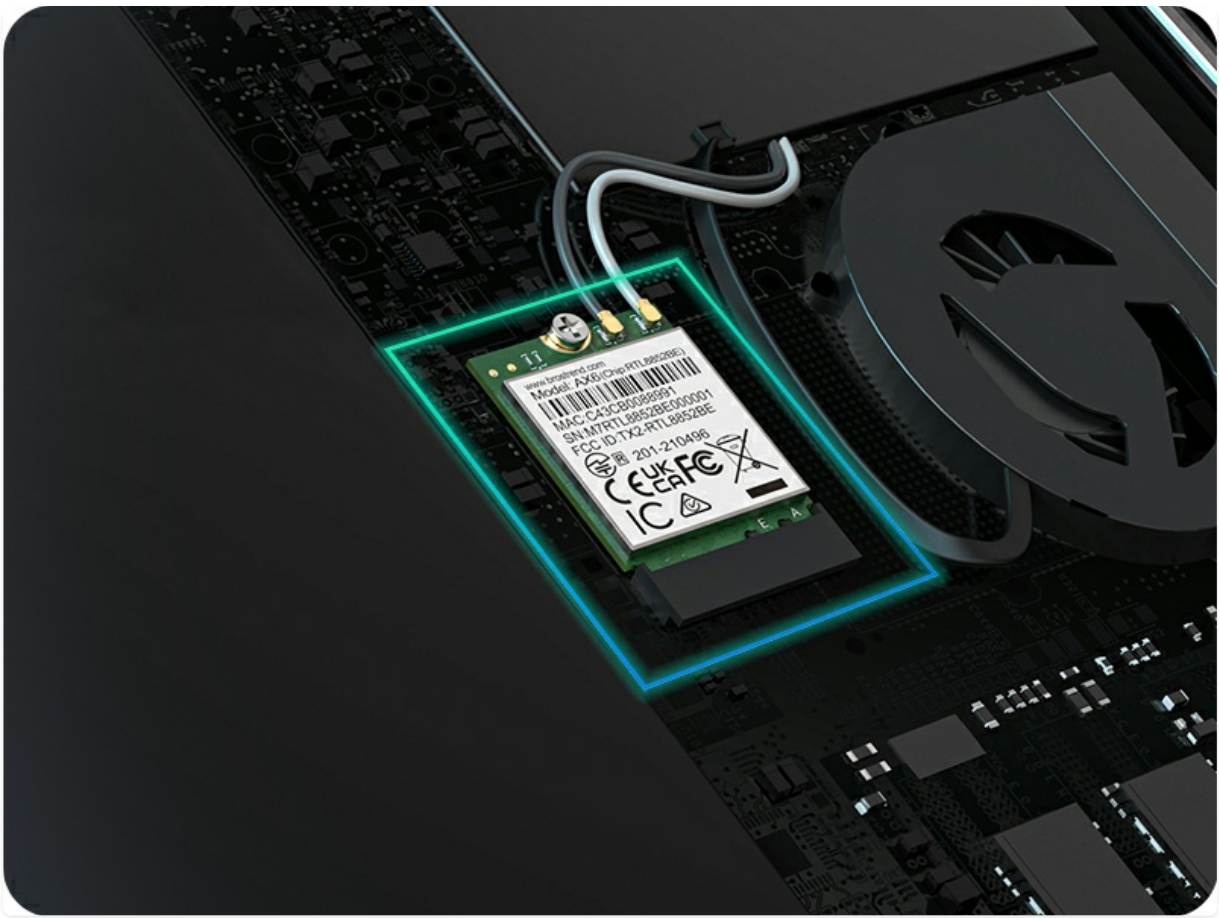


Image: An illustration depicting WPA3, the latest security protocol, providing enhanced protection for personal data and public networks.



Image: A diagram illustrating how TWT (Target Wake Time) technology helps extend laptop battery life by optimizing data transmissions with the WiFi router.

## WARRANTY

The BrosTrend AX1800 M.2 WiFi 6 and Bluetooth 5.2 Combo Card comes with a **Lifetime Protection**. For detailed warranty terms and conditions, please refer to the official BrosTrend website or contact customer support.

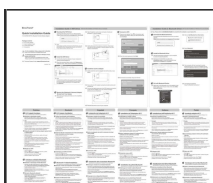
## SUPPORT

For further assistance, technical support, or to download the latest drivers and firmware, please visit the official BrosTrend website:

[www.brostrend.com](http://www.brostrend.com)

You can also find FAQs and additional resources on their support pages.




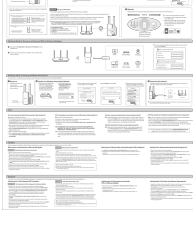
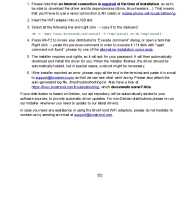
## Related Documents - AX1800 M.2 WiFi 6 / Bluetooth Combo Card



### [BrosTrend M.2 AX1800 WiFi 6 / Bluetooth Combo Adapter Quick Installation Guide](#)

A quick installation guide for the BrosTrend M.2 AX1800 WiFi 6 and Bluetooth Combo Module Adapter, covering WiFi and Bluetooth driver installation for Windows 10/11, and physical adapter installation.



	<p><a href="#">BrosTrend AX1800 USB WiFi 6 Adapter Quick Installation Guide</a></p> <p>A concise guide for installing the BrosTrend AX1800 USB WiFi 6 Adapter (Models AX1, AX4) on Windows computers. Covers setup, driver installation, connection, uninstallation, desktop icon customization, FAQs, and technical support.</p>
	<p><a href="#">BrosTrend AX5 WiFi 6 USB Adapter Quick Installation Guide</a></p> <p>A comprehensive guide to installing and connecting the BrosTrend AX5 WiFi 6 USB Adapter. Learn setup steps, troubleshoot common issues via FAQs, and understand regulatory compliance.</p>
	<p><a href="#">BrosTrend AX300 WiFi 6 Nano USB Adapter Quick Installation Guide</a></p> <p>Quick installation guide for the BrosTrend AX300 WiFi 6 Nano USB Adapter (Model AX5), providing step-by-step instructions for setup and Wi-Fi connection, along with FAQs and regulatory information.</p>
	<p><a href="#">BrosTrend AX1500 WiFi 6 Range Extender &amp; Ethernet Adapter Quick Installation Guide</a></p> <p>Get step-by-step instructions for setting up your BrosTrend AX1500 WiFi 6 Range Extender and Gigabit Ethernet Adapter. Learn to configure it as an extender, a WiFi-to-Ethernet adapter, or a wireless access point. Includes LED indicators, FAQs, and compliance information.</p>
	<p><a href="#">BrosTrend WiFi Adapter Linux Installation Guide</a></p> <p>Step-by-step instructions for installing BrosTrend WiFi adapter drivers on Linux distributions, including troubleshooting tips and support contact information.</p>