

FGE575T&FME175T

Windows Bluetooth User Guide

Short-Range Module Series

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About the Document

Revision History

Version	Date	Author	Description
-	2024-12-12	Noah YANG	Creation of the document
1.0	2025-02-26	Noah YANG	First official release

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1 Introduction

Quectel FGE575T and FME175T modules support Bluetooth feature on Windows platform. This document describes how to implement the Bluetooth feature on Windows (using Windows 11 23H2 OS as an example), including environment preparation, driver installation, and feature verification.

NOTE

Currently the modules support Bluetooth feature on Windows 11 24H2 OS, Windows 11 23H2 OS and Win11 22H2 OS (22621.2215 or later).

2 Environment Preparation

2.1. Hardware Environment

Table 1: Hardware Environment

Hardware	Quantity
Windows PC	1
Quectel FGE575T or FME175T module	1
Antenna	1

NOTE

1. Your Windows PC must have an M.2 WLAN interface.
2. Ensure that the Bluetooth antenna is connected properly (the antenna socket location varies for different modules, contact Quectel Technical Support for details).

2.2. Software Environment

The document uses the Windows 11 23H2 software environment as an example.

Table 2: Software Environment

Software	Description
PC operating system	Windows 11 23H2
Driver package	Module Bluetooth driver package

NOTE

Contact Quectel Technical Support to obtain the module Bluetooth driver package.

3 Driver Installation

When the module is connected to a Windows PC without a Bluetooth driver, a device named "Generic Bluetooth Adapter" will appear in the "Device Manager" of the Windows PC.

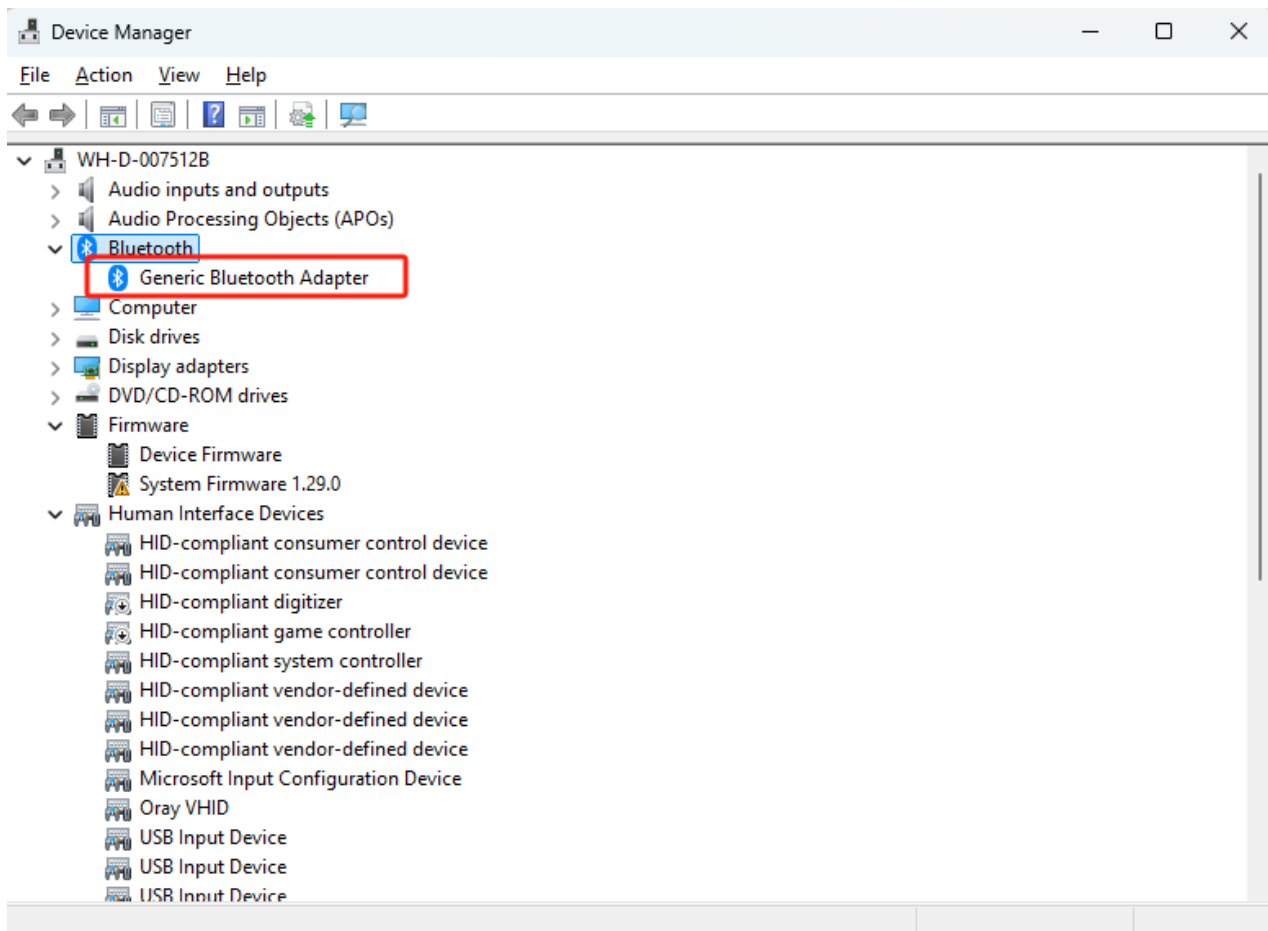


Figure 1: Device Manager– Generic Bluetooth Adapter

Driver installation steps:

Step 1: Open "Device Manager", right click "**Generic Bluetooth Adapter**", and select "**Update driver**" from the context menu.

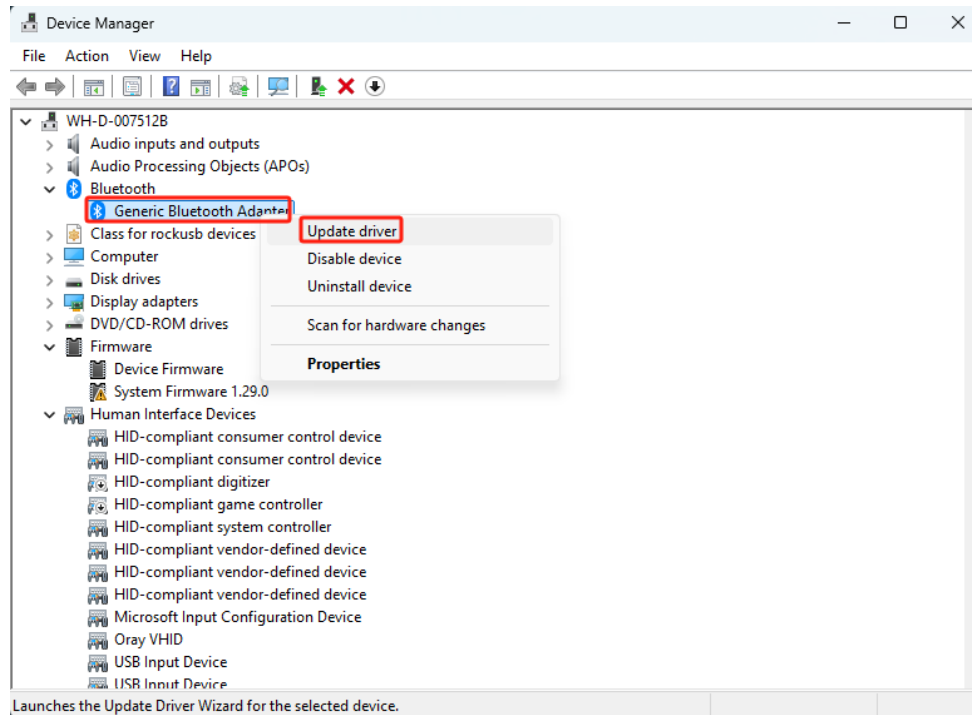


Figure 2: Select "Update driver"

Step 2: Select "**Browse my computer for drivers**" from the "Update Drivers – Generic Bluetooth Adapter" window.

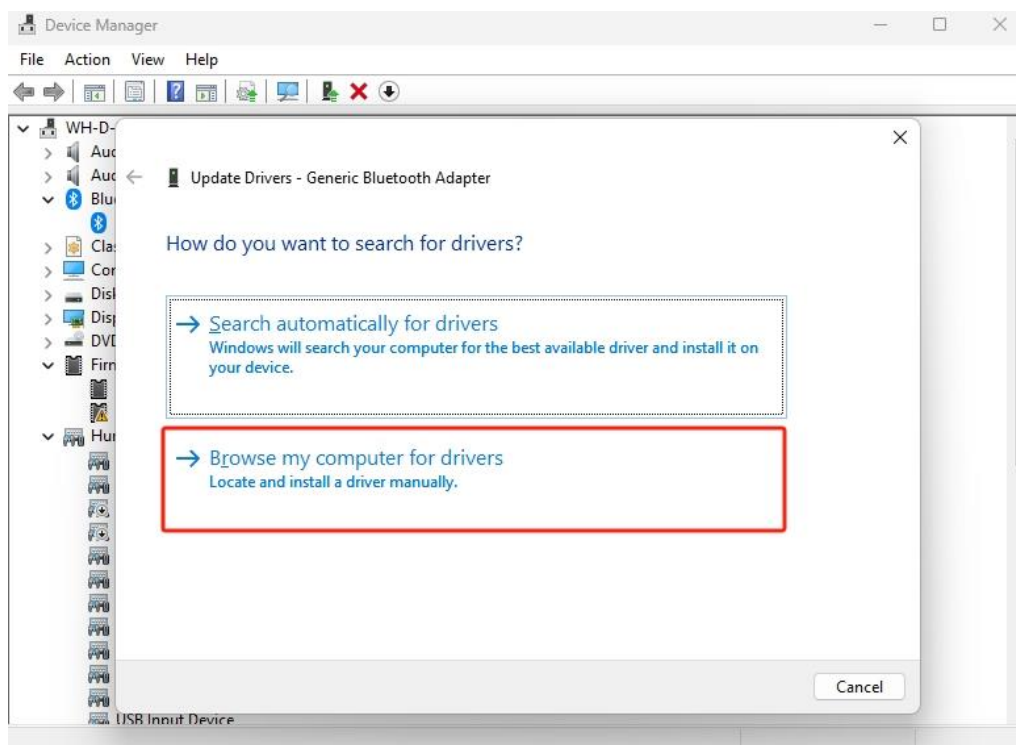


Figure 3: Select "Browse my computer for drivers"

Step 3: Select "Let me pick from a list of available drivers on my computer" from the "Browse for drivers on your computer" window.

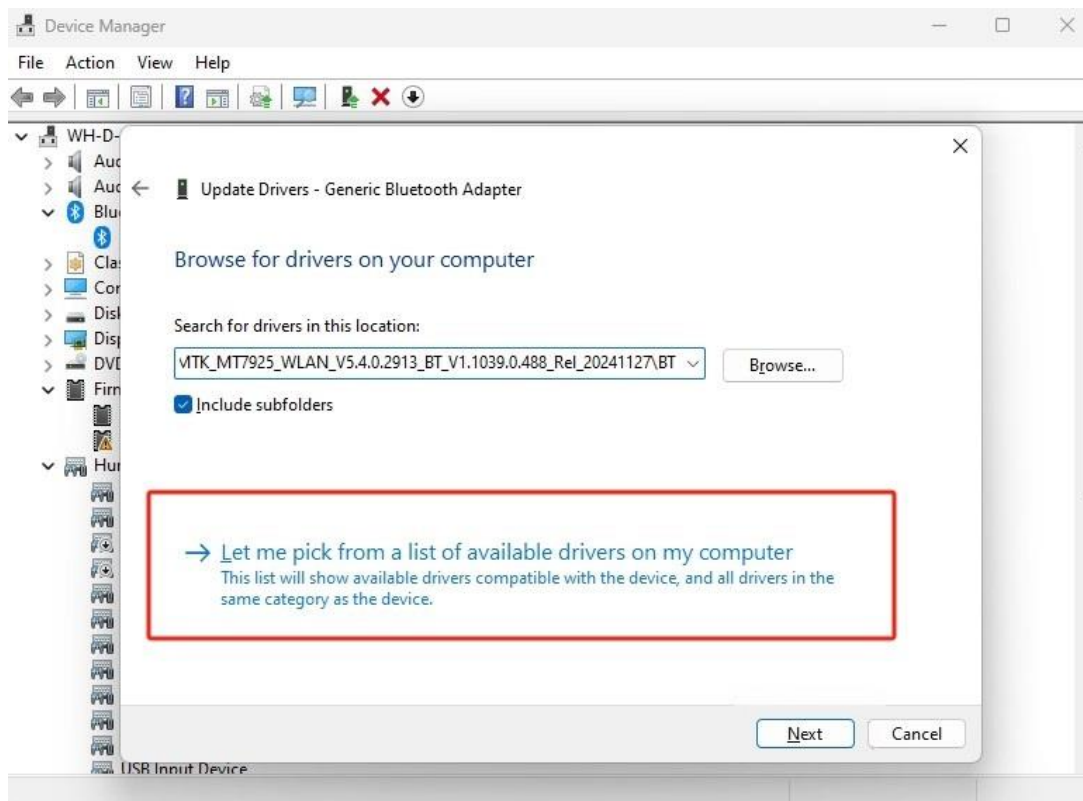


Figure 4: Select "Let me pick from a list of available drivers on my computer"

Step 4: To select the driver from the list:

- a) Click "Have Disk...".
- b) Click "**B**rowse..." on the "Install From Disk" window to select the *mtkbtfilter.inf* Bluetooth file in the Bluetooth driver package.
- c) Click "Open".
- d) Click "**O**K".

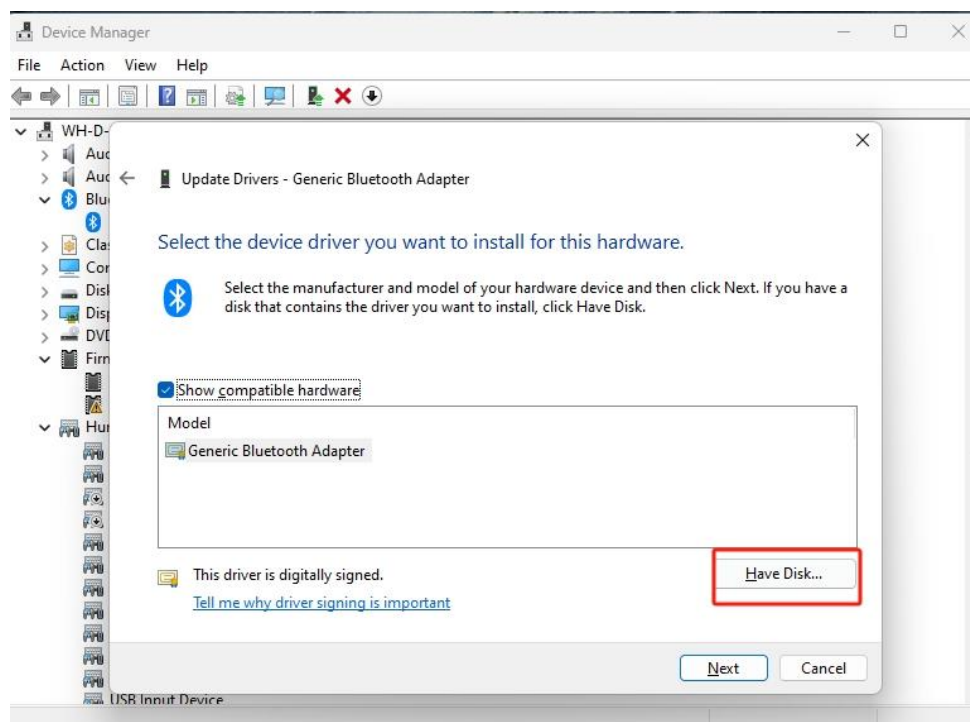


Figure 5: Click "Have Disk..." Button

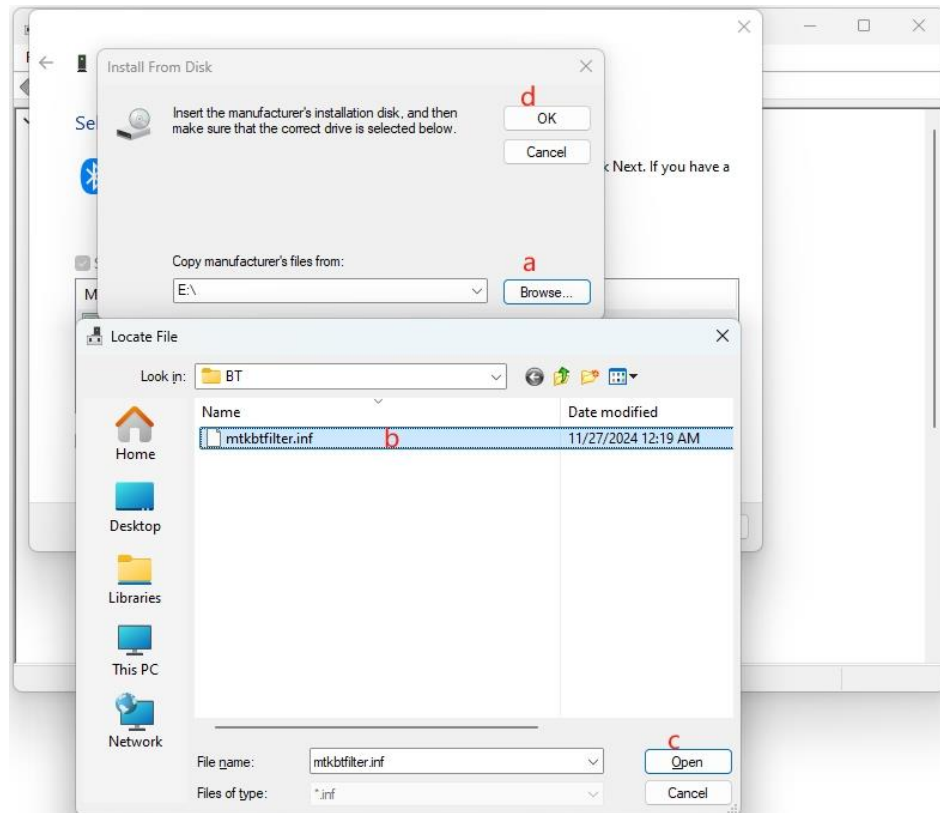


Figure 6: Select Bluetooth File

Step 5: Click "Next" to install the driver.

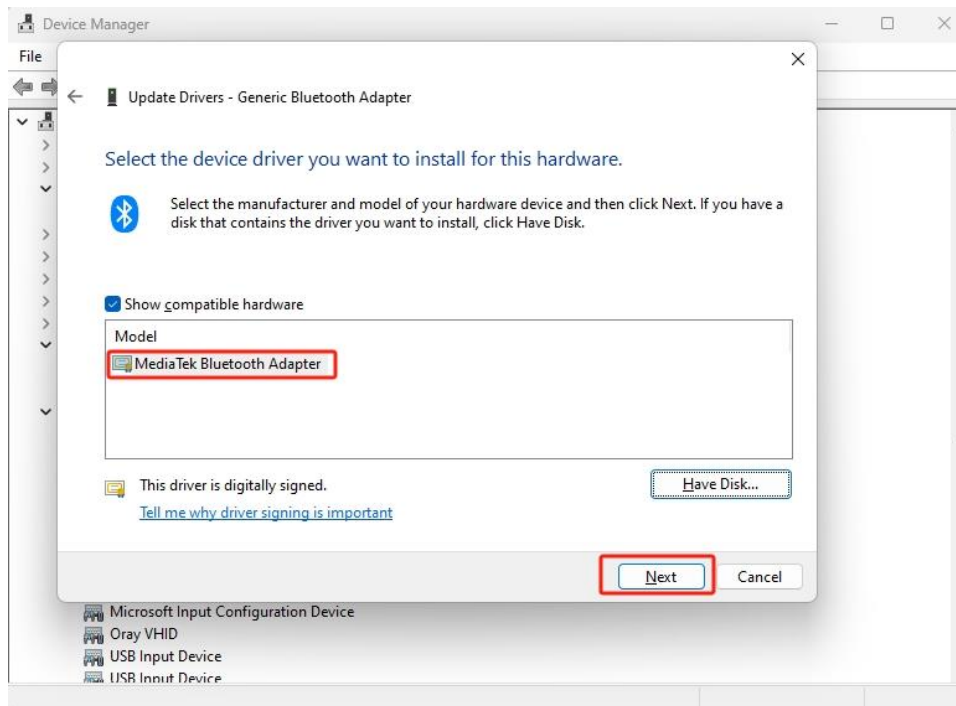


Figure 7: Continue Installation

When the Bluetooth driver is successfully installed, the following Device Manager window will appear. Bluetooth driver is listed in the "Device Manager" as "MediaTek Bluetooth Adapter".

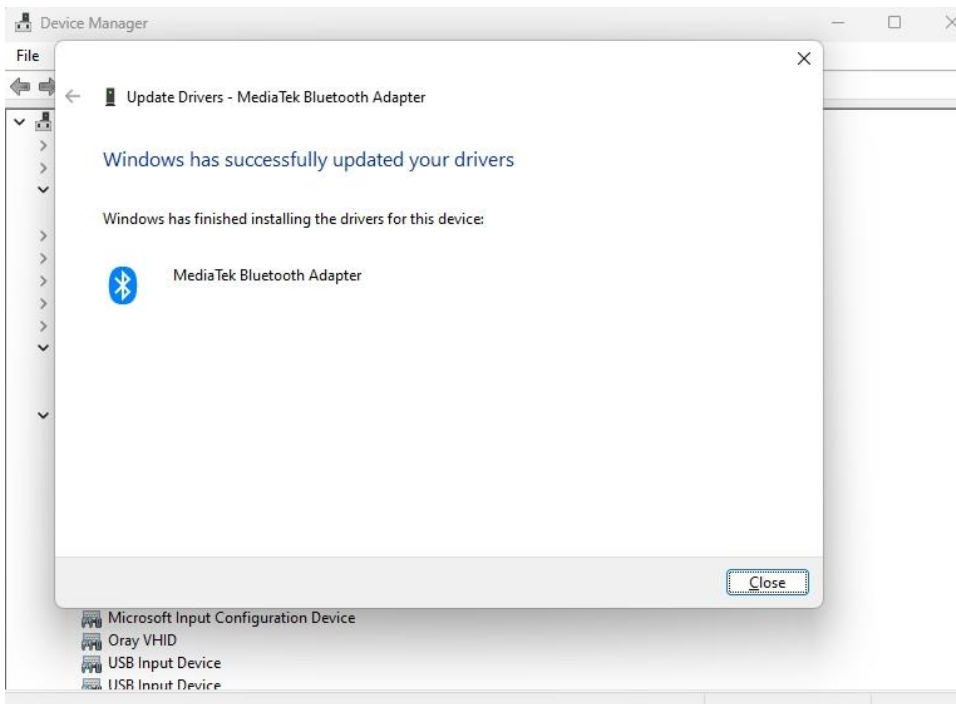


Figure 8: Successful Installation of Bluetooth Driver

Step 6: View Bluetooth device properties.

After the Bluetooth driver is installed, enable Bluetooth by toggling the switch in the Bluetooth settings interface on the Windows PC (see **Chapter 4** for details). Locate the device named "MediaTek Bluetooth Adapter" in the "Device Manager" of the Windows PC. Right click "**MediaTek Bluetooth Adapter**", and select "**Properties**" from the context menu.

To view the MAC address of the device, click "**Advanced**" tab on the "MediaTek Bluetooth Adapter Properties" interface.

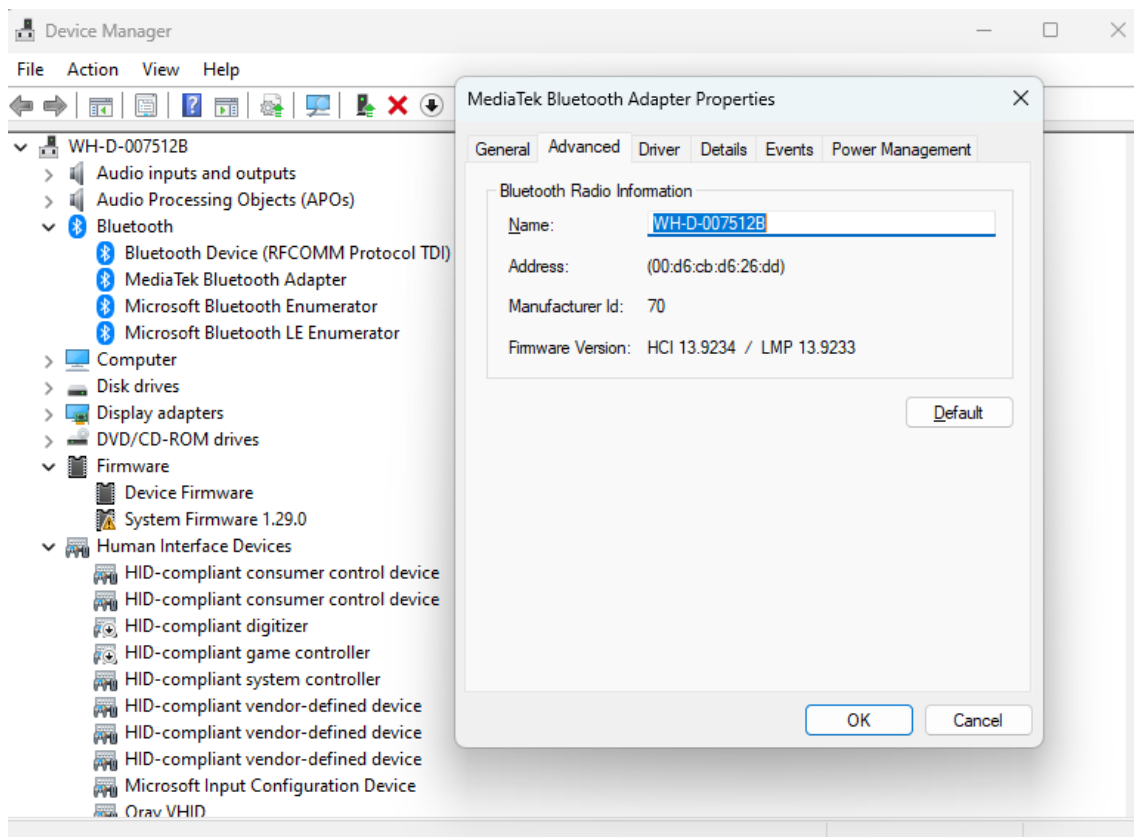


Figure 9: View MAC Address

To view the PID and VID information of the device, click "**Details**" tab on the "MediaTek Bluetooth Adapter Properties" interface.

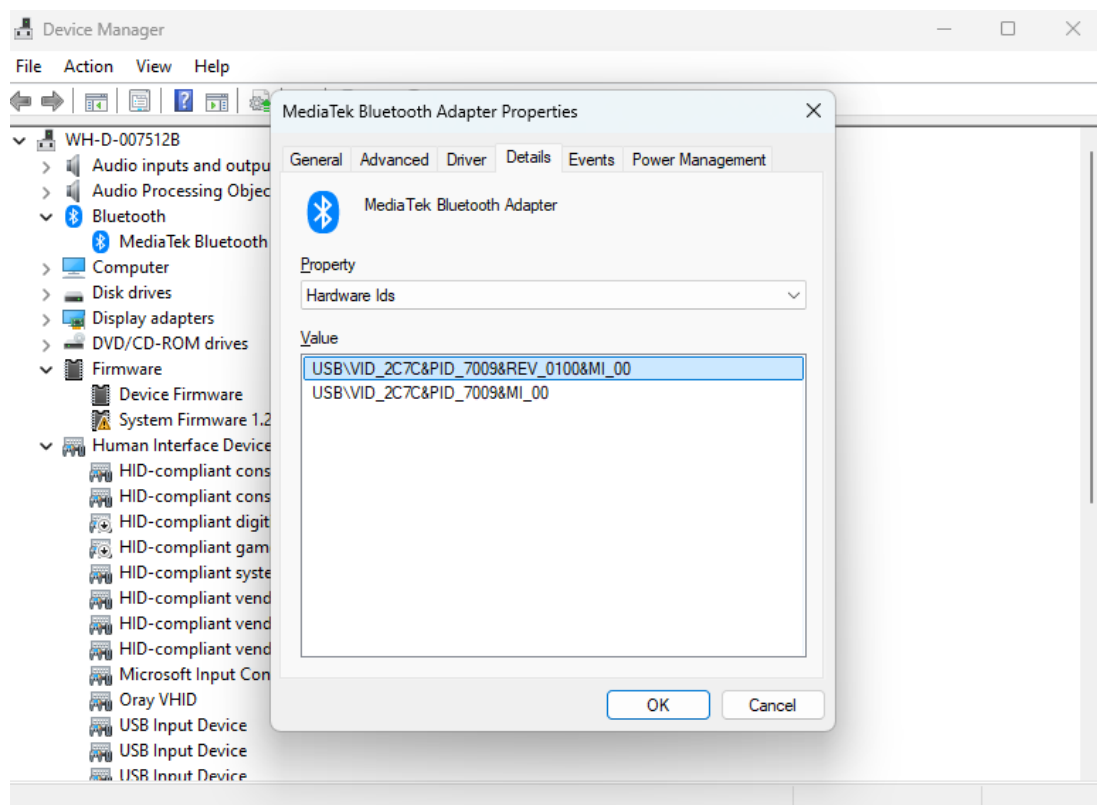


Figure 10: View PID and VID

4 Feature Verification

To verify the Bluetooth feature of the Windows PC, follow the steps below:

Step 1: Click the network status icon at the bottom right corner of the Windows 11 PC desktop to enter the network status management interface, and then click the "**Manage Bluetooth devices**" icon to enter the Bluetooth settings interface.

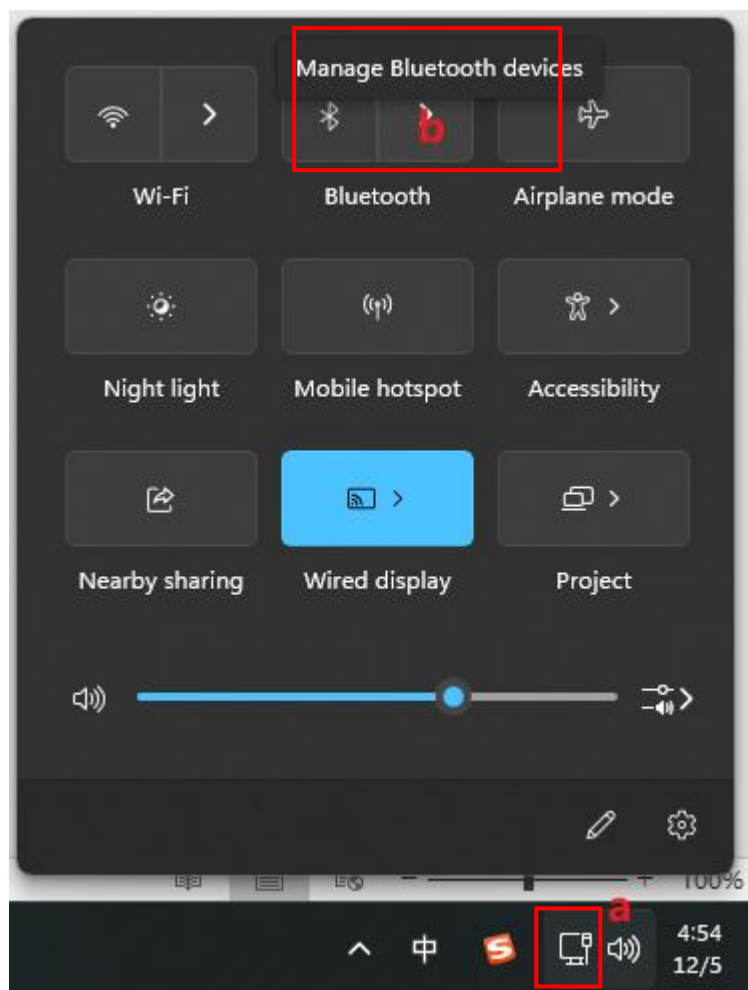


Figure 11: Network Status Management Interface

Step 2: Slide the Bluetooth switch in the upper right corner of the Bluetooth settings interface to the right to enable Bluetooth. The Windows PC automatically scans for nearby Bluetooth devices. If it successfully scans and connects to a Bluetooth device, it means the Bluetooth functionality of the Windows PC is normal.

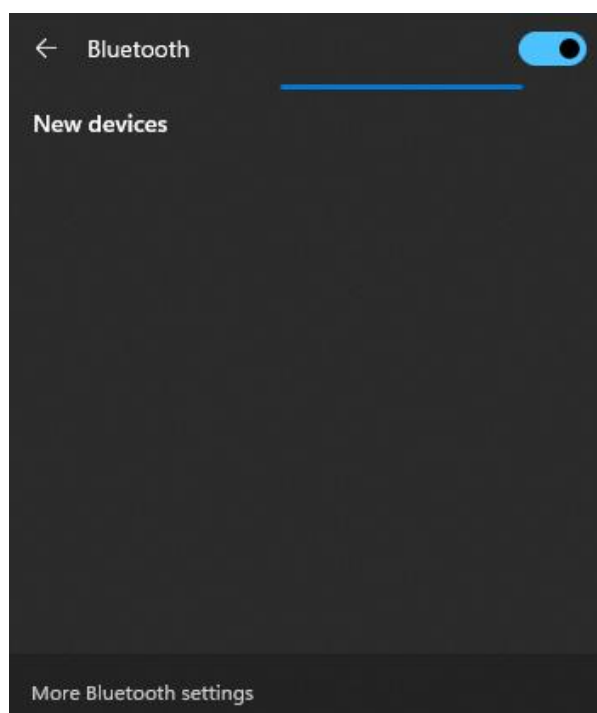
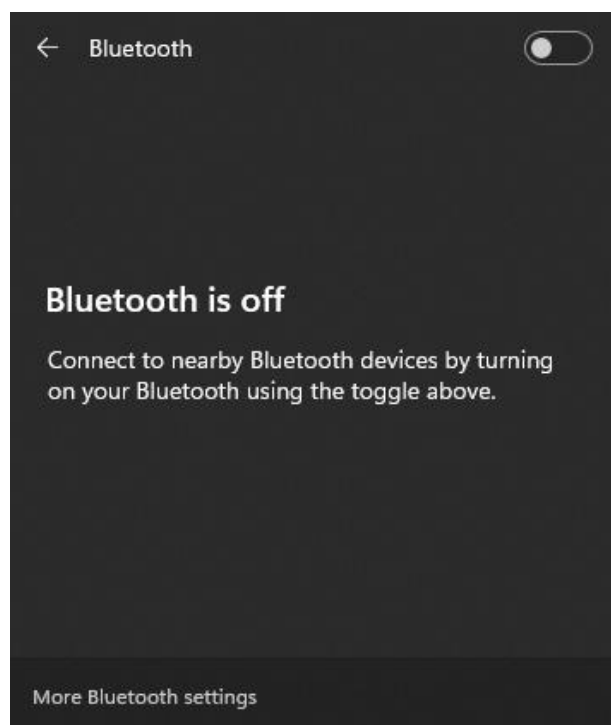


Figure 12: Enable Bluetooth

5 Appendix References

Table 3: Terms and Abbreviations

Abbreviation	Description
MAC	Medium Access Control
OS	Operating System
PC	Personal Computer
PID	Product ID
VID	Vendor ID
WLAN	Wireless Local Area Network