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NB540 USB Bluetooth 5.4 Adapter

NB540	User Manual

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About Product

NB540 is a Bluetooth USB adapter equipped with advanced Bluetooth 5.4 technology, specifically designed for Windows systems. It offers improved performance, faster data transfer rates, and lower energy consumption. With this Bluetooth dongle, you can easily connect multiple devices to your PC and enjoy wireless connection with a wide range of Bluetooth-enabled devices. It also supports Bluetooth Low Energy (BLE) to help minimize power usage, while maintaining full backward compatibility with earlier Bluetooth versions.

Features

• Designed to provide Bluetooth connectivity for PCs or laptops
• Supports Bluetooth 5.4, backwards compatible with previous versions
• Offers faster device discovery and reduced energy consumption
• Supports LMP Version 13 (Link Manager Protocol)
• Supports Bluetooth Low Energy (BLE) to help minimize power usage
• Class II power standard with a signal range of up to 20 meters
• Supports A2DP stereo playback
• Supports EDR data rate up to 3Mbps
• Supports plug and play for Windows 10 and later operating systems

System Requirement

• Supported Operating System: Windows 7 and above (32/64 bit)
• CPU Speed: 500MHz or higher
• Hard Drive Space: 500 MB
• RAM: 2GB or more

Specifications

• Bluetooth Protocol: Bluetooth V5.4
• Interface: USB 2.0
• Input Power: USB 5V (USB Powered)
• Operating Frequency: 2.402-2.480 GHz
• Transmission Range: up to 20M (Class II)
• Sensitivity: -86dBm@0.1%BER
• Profiles: SPP, BLE, ANCS, HFP, HCRP, A2DP, AVRCP
• Operating Temperature: 0°C - 40°C
• Operating humidity: 10%-90% RH (Without condensation)
• Dimension: 22(L) x 14mm(W) x 6mm(H)
• Supported OS: Windows 7, 8, 10, 11 (32/64bit)

Installation

• To avoid software confliction, please uninstall any previous Bluetooth driver software installed on your computer prior to installing this new Bluetooth 5.4 adapter.

• This adapter is plug and play for Windows 10 and later systems, and it will be installed automatically when plugged into computer (internet connection is required). Windows 7 and 8 systems require driver installation from CD or download driver from our website.

• To download the driver for Windows 7/8 or check latest version, you can find driver from our website at **www.simplecom.com.au**, search the model number **NB540**, then open product page, driver files are located under **DOWNLOAD** tab on product page.
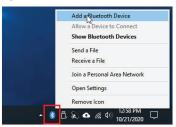
Installing Drivers from the CD

Open the driver installation program from the AutoRun Menu or double click **"Setup.exe"** under **"Windows"** folder, restart computer if required after installation.

Paring Bluetooth Device

1. Right Click the Bluetooth icon in system tray at right side of the taskbar, then click "Add a Bluetooth Device"

2. Add bluetooth device on Windows 10/11

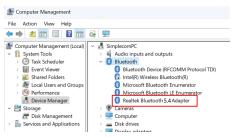Click "Add Bluetooth or other device" on Windows 10
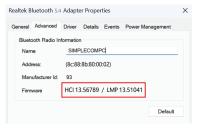

Click "Add device" on Windows 11

3. Select "Bluetooth" in the Add a device window, then wait while your PC or laptop scans the Bluetooth devices nearby. Find the name of the device you want to connect to.

4. To verify installation, open Windows Device Manager, you will see **"Realtek Bluetooth 5.4 Adapter"** under Bluetooth section

Right click **"Realtek Bluetooth 5.4 Adapter"** under Windows Device Manager and click Properties, select the **"Advanced"** tab, then look for the LMP (Link Manager Protocol) listing in the Firmware or Firmware version area. If the number is above LMP 13, your Bluetooth adapter is running at Bluetooth 5.4 mode.

FAQ

Do I need to install driver before using this adapter?
This adapter is plug and play for Windows 10 and later systems, it will be installed automatically when plugged into computer (internet connection is required). Please note you need to manually install driver for Windows 7/8 systems.

Does it support Windows 7 or 8?
Yes, Windows 7/8 is supported, but you need to manually install the driver software. You can download driver from *www.simplecom.com.au*, search the model number *NB540*, then open product page, driver files are located under *DOWNLOAD* tab on product page.

Why am I experiencing short range and audio cut-offs?
This might happen if the adapter is connected to the back of a desktop computer, where there is a lot of random radio noise generated by the PC components. You can move the adapter to front USB port, or use a USB extension cable to move the adapter away from back of PC. Also, USB 3.0 ports will cause more radio interference than USB 2.0. If your device is having range issues when plugged into a USB 3.0 port, change to a USB 2.0 port often helps.

Why can't I pair this dongle with my Bluetooth headphones/speakers?
1. To avoid software confliction, please uninstall any previous Bluetooth driver software installed on your computer prior to installing this new Bluetooth 5.4 adapter.
2. Make sure your Bluetooth headphones/speakers are in pairing mode. Note that powering them on doesn't automatically mean they're in pairing mode.
3. If they're connected, but there is no sound, please verify that the Bluetooth device is set as the *"Default playback device"* in your windows audio settings.

Warranty

1 Year limited Warranty. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
For our assistance with regards to warranty please email to support@simplecom.com.au or create a support ticket at http://www.simplecom.com.au

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