



Manuals.plus /

› Yanmai /

› Yanmai USB Bluetooth 5.0 Adapter Instruction Manual

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Model: USB Bluetooth 5.0 Adapter

1. INTRODUCTION

Thank you for choosing the Yanmai USB Bluetooth 5.0 Adapter. This compact device enables wireless communication between your computer and various Bluetooth-enabled peripherals. This manual provides essential information for proper setup, operation, and maintenance to ensure optimal performance.

2. PRODUCT OVERVIEW

The Yanmai USB Bluetooth 5.0 Adapter is a nano-sized dongle designed to add Bluetooth 5.0 capabilities to your desktop or laptop computer. It supports a wide range of Bluetooth devices, offering enhanced speed and efficiency for wireless connectivity.



Figure 2.1: The Yanmai USB Bluetooth 5.0 Adapter. This image shows the compact design of the adapter, featuring a black base with 'V5.0' marking and a gold-colored USB connector.



Figure 2.2: The adapter held between fingers, illustrating its small, unobtrusive size. The 'V5.0' branding is visible on the black casing.

3. FEATURES

- **Bluetooth 5.0 Technology:** Utilizes the latest Bluetooth 5.0 standard, backward compatible with Bluetooth V4.0, 3.0, 2.1, 2.0, and 1.0.

- **Nano-sized Design:** Ultra-small form factor allows it to remain plugged into a USB port without obstruction.
- **Reliable Connectivity:** Enables wireless communication with a broad range of Bluetooth-enabled devices including computers, printers, phones, headsets, and speakers.
- **Broad Operation Range:** Offers a transmission distance of up to 20 meters (65 feet) for flexible use.
- **Energy-Saving:** Incorporates Bluetooth Low Energy (BLE) technology for efficient power consumption.
- **Plug and Play:** Supports plug-and-play functionality on Windows 10, 8.1, and 8 operating systems.

4. SPECIFICATIONS

Brand	Yanmai
Bluetooth Standard	V5.0
Chip	CSR8510
Frequency Range	2.4GHz
Operation System Support	Windows 10, Windows 8.1, Windows 8 (Plug & Play); Windows Me/2000/XP/Vista, Windows 7 (Driver installation may be required)
Interface	USB
Data Rate	10Mbps
Receiving/Sending Range	Up to 20m (65 ft)
Dimensions (LxWxH)	50 x 50 x 50 mm (approximate)
Item Weight	60 g
UPC	193356049370

5. SETUP INSTRUCTIONS

Follow these steps to install and set up your Yanmai USB Bluetooth 5.0 Adapter:

1. **Insert the Adapter:** Locate an available USB port on your desktop or laptop computer. Carefully insert the Yanmai USB Bluetooth 5.0 Adapter into the USB port.
2. **Automatic Driver Installation (Windows 10/8.1/8):** For Windows 10, 8.1, and 8, the operating system should automatically detect the adapter and install the necessary drivers. A notification will typically appear once the device is ready for use.
3. **Manual Driver Installation (Older Windows Versions):** If you are using Windows Me, 2000, XP, Vista, or 7, you may need to install drivers manually. Please refer to the manufacturer's website or included driver CD (if applicable) for specific instructions and driver downloads.
4. **Verify Installation:** After installation, check your computer's Device Manager (search for 'Device Manager' in Windows search bar) under 'Bluetooth' or 'Network adapters' to confirm that the 'Bluetooth Radio' or 'Generic Bluetooth Adapter' is listed and functioning correctly.



Figure 5.1: Two adapters shown, highlighting their compact size and USB connector. This illustrates the small footprint of the device when plugged in.



Figure 5.2: The adapter inserted into a USB port on the front of a desktop computer tower. A magnified inset shows the USB ports clearly.

6. OPERATING INSTRUCTIONS

Once the adapter is installed, you can connect your Bluetooth devices:

1. **Enable Bluetooth on Your Computer:**

- **Windows 10:** Go to **Settings > Devices > Bluetooth & other devices**. Ensure Bluetooth is turned **On**.
 - **Windows 8.1/8:** Go to **PC Settings > PC and devices > Bluetooth**. Ensure Bluetooth is turned **On**.
2. **Put Your Bluetooth Device in Pairing Mode:** Refer to your specific Bluetooth device's manual for instructions on how to enter pairing mode. This usually involves pressing and holding a button until an indicator light flashes.
3. **Add a Bluetooth Device:**
- In the Bluetooth settings window on your computer, click '**Add Bluetooth or other device**'.
 - Select '**Bluetooth**' from the options.
 - Your computer will scan for nearby Bluetooth devices. Select your device from the list when it appears.
 - Follow any on-screen prompts to complete the pairing process, which may include entering a PIN (e.g., '0000' or '1234') if requested.
4. **Enjoy Wireless Connectivity:** Once paired, your device should connect automatically when in range and Bluetooth is enabled on both ends.

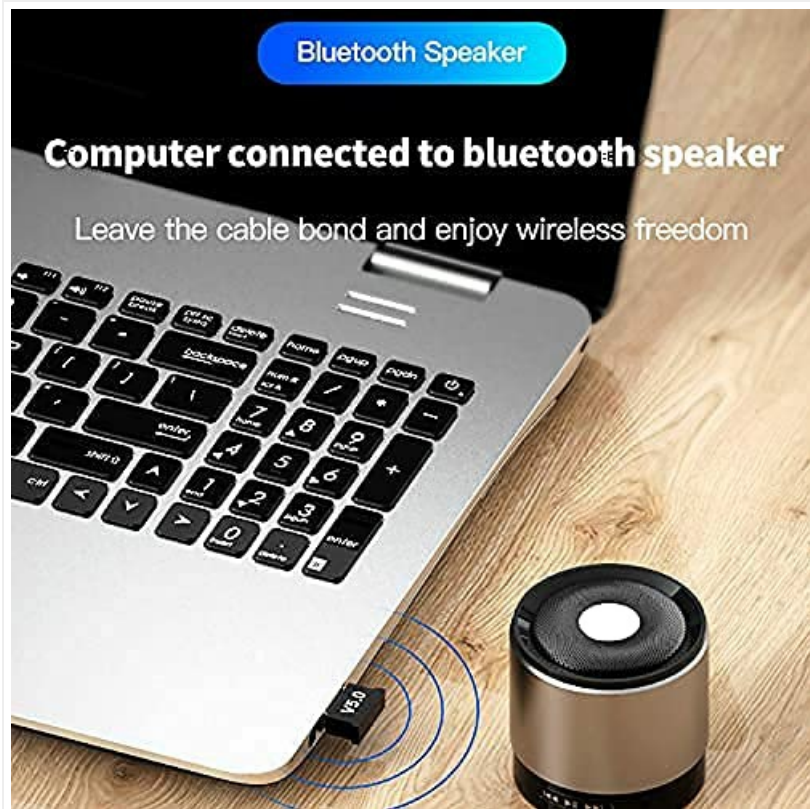


Figure 6.1: A laptop with the Bluetooth adapter connected, wirelessly streaming audio to a small Bluetooth speaker. This demonstrates a common use case for the adapter.

Wireless listening Enjoy

listen
music

Automatically connect at boot enjoy high-fidelity sound quality



Computer connected to Bluetooth speakers

Figure 6.2: A person's hand adjusting a Bluetooth speaker, with a laptop and the adapter visible in the background. The image emphasizes wireless audio enjoyment.



Figure 6.3: A circular diagram illustrating the wide range of devices compatible with the Bluetooth adapter, including laptops, mobile phones, projectors, Bluetooth earphones, desktops, printers, digital cameras, and stereophones.

7. MAINTENANCE

The Yanmai USB Bluetooth 5.0 Adapter requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Keep Clean:** Periodically wipe the adapter with a soft, dry cloth to remove dust. Avoid using liquid cleaners.
- **Store Properly:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handle with Care:** Avoid dropping the adapter or subjecting it to physical shock, which can damage internal components.
- **Avoid Water:** Do not expose the adapter to water or other liquids.

8. TROUBLESHOOTING

If you encounter issues with your Yanmai USB Bluetooth 5.0 Adapter, refer to the following common problems and solutions:

- **Adapter Not Detected:**
 - Ensure the adapter is fully inserted into a working USB port. Try a different USB port.
 - Restart your computer.
 - Check Device Manager for any unknown devices or errors under 'Bluetooth' or 'Network adapters'. If an error exists, try updating or reinstalling the driver.
- **Cannot Pair Devices:**
 - Ensure Bluetooth is enabled on both your computer and the device you are trying to pair.
 - Make sure your Bluetooth device is in pairing mode.

- Bring the Bluetooth device closer to the adapter.
 - Remove any previously paired instances of the device from your computer's Bluetooth settings and attempt to pair again.
 - Ensure there are no strong interference sources (e.g., Wi-Fi routers, other wireless devices) nearby.
- **Poor Connection Quality or Disconnections:**
 - Reduce the distance between the adapter and the connected device.
 - Ensure there are no physical obstructions (walls, large metal objects) between the adapter and the device.
 - Check for updated drivers for the Bluetooth adapter.
 - Minimize other wireless activity on the 2.4GHz band if possible.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Keep your proof of purchase for warranty claims.