

Panda Wireless PAU06

Panda Wireless PAU06 300Mbps Wireless N USB Adapter User Manual

Model: PAU06 | Brand: Panda Wireless

1. INTRODUCTION AND OVERVIEW

The Panda PAU06 300Mbps Wireless 802.11n USB Adapter is designed to upgrade your computer's Wi-Fi interface to the 802.11n standard. This adapter enables your computer to communicate wirelessly with any 802.11g/n wireless router operating on the 2.4GHz frequency band.

Key features include a maximum data rate of up to 300 Mbps, a WPS button for quick connection setup, backward compatibility with 802.11g networks, and low power consumption. It supports robust security standards such as 64b/128bit WEP, WPA, and WPA2 (TKIP+AES) to protect your wireless network.



Image: The Panda Wireless PAU06 USB Adapter, showing the USB connector and the adjustable high-gain antenna.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Panda PAU06 Wireless N USB Adapter
- User's Manual
- Installation CD

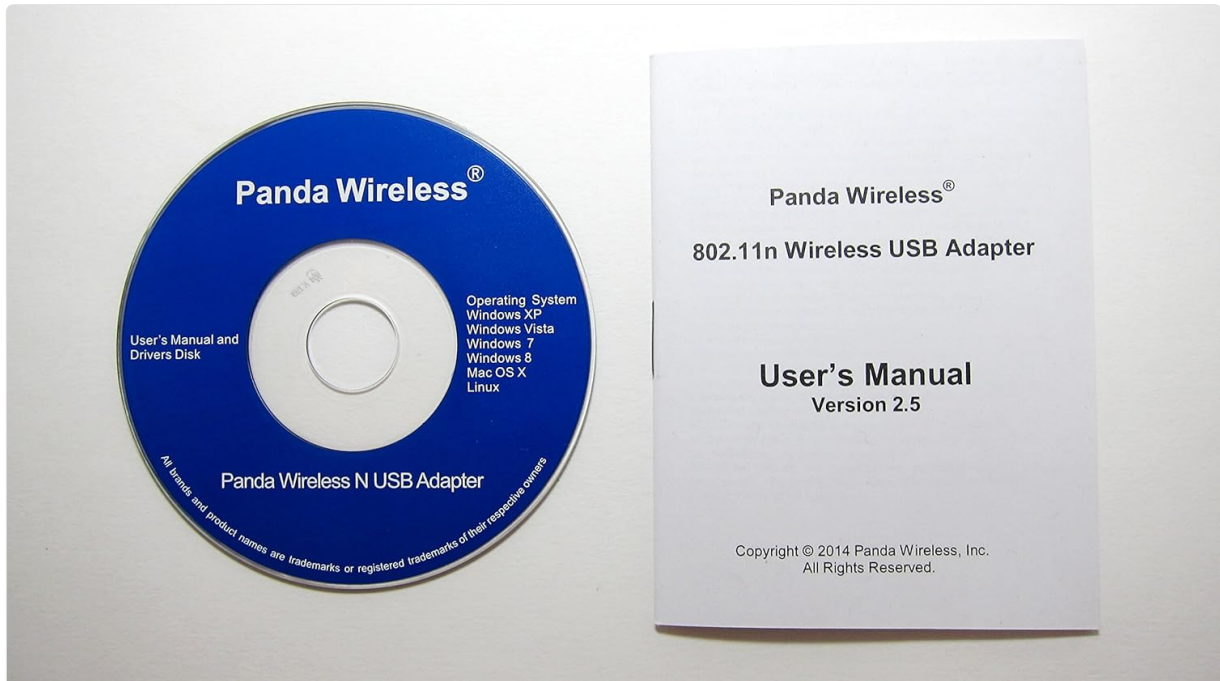


Image: The installation CD and the printed user's manual included with the Panda Wireless PAU06 adapter.

3. SETUP AND INSTALLATION

Follow these steps to install your Panda PAU06 Wireless N USB Adapter:

1. **Hardware Connection:** Insert the Panda PAU06 USB adapter into an available USB port on your computer. For optimal performance and to prevent overheating, it is recommended to use a USB 2.0 port if available.
2. **Driver Installation:**
 - **Windows 8/8.1/10/11:** The adapter is generally Plug and Play on these operating systems. Drivers should install automatically.
 - **Windows XP/Vista/7 and other Linux distributions:** You may need to install drivers manually from the included Installation CD. Insert the CD into your computer's CD-ROM drive and follow the on-screen instructions.
 - **Latest Drivers:** For the most up-to-date drivers and installation guides, visit the official Panda Wireless website.
3. **Antenna Adjustment:** Adjust the high-gain antenna for optimal signal reception.

4. OPERATING INSTRUCTIONS

Once the adapter is successfully installed, you can connect to a wireless network:

- **Connecting to a Wi-Fi Network:**

- Open your computer's network settings or Wi-Fi utility.
 - Scan for available wireless networks.
 - Select your desired network (SSID) and enter the network security key (password) if prompted.
- **Using WPS (Wi-Fi Protected Setup):**
 - If your wireless router supports WPS, you can use the WPS button on the PAU06 adapter to establish a quick and secure connection.
 - Press the WPS button on your router, then within two minutes, press the WPS button on the PAU06 adapter. The connection should be established automatically.

The PAU06 operates exclusively on the 2.4GHz frequency band and is compatible with 802.11g and 802.11n wireless routers.

5. COMPATIBILITY

The Panda PAU06 adapter is compatible with a wide range of operating systems and hardware configurations:

- **Operating Systems:**
 - 32-bit and 64-bit Windows XP/Vista/7/8/8.1/10/11, Windows Server 2008r2/2012r2
 - Linux distributions including Zorin, MX Linux, Manjaro, Mint, Ubuntu, Lubuntu, OpenSUSE, RedHat, Fedora, CentOS, Kali Linux, and Raspbian.
 - **Note:** The Panda Wireless PAU06 does **NOT** support Mac OS.
- **Hardware:**
 - Any PC with an available USB port, 1GHz CPU, and 1GB Memory.
 - Intel/AMD based PCs or Raspberry Pi 0/1/2/3/4.
 - Any brand 802.11g or 802.11n router using the 2.4GHz frequency band only.

This adapter is not compatible with devices that do not run the specified operating systems, such as Digital Media Players, Digital Video Recorders, Network-Attached Storage devices, PlayStations, or Security Cameras, unless explicitly stated otherwise by Panda Wireless.

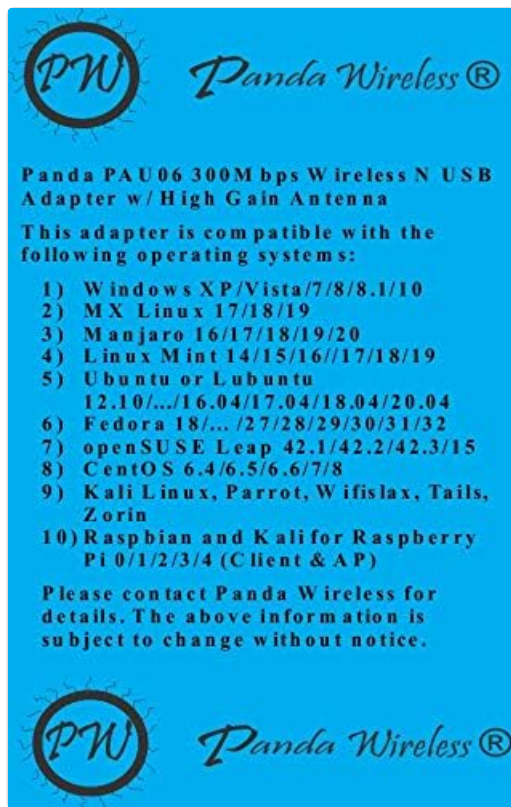


Image: A detailed list of compatible operating systems for the Panda PAU06 adapter, including various Windows and Linux versions.

6. SPECIFICATIONS

Feature	Detail
Model Number	PAU06
Wireless Standard	802.11n (Backward compatible with 802.11g)
Frequency Band	2.4GHz only
Data Transfer Rate	Up to 300 Mbps
Interface	USB
Security	64b/128bit WEP, WPA, WPA2 (TKIP+AES), 802.1x, 802.11i, Cisco CCS V1.0, 2.0, 3.0 compliant
Antenna	High Gain, Detachable
Product Dimensions	6.2 x 3.9 x 0.5 inches (approx. 157 x 99 x 13 mm)
Item Weight	0.32 ounces (approx. 9.07 g)

Panda Wireless USB Adapters With Antenna(s)

Model	PAU04	PAU06	PAU09	PAU0B	PAU0D
Frequency Band	2.4GHZ	2.4GHz	2.4GHz&5GHz	2.4GHz&5GHz	2.4GHz&5GHz
IEEE Standard	802.11n	802.11n	802.11n	802.11ac	802.11ac
Windows version	XP, Vista, 7, 8, 10, 11	XP, Vista, 7, 8, 10, 11	7, 8, 10,11	7, 8, 10, 11	7, 8, 10, 11
Linux version	3.0 or higher	3.0 or higher	3.0 or higher	5.0 or higher	5.0 or higher
Range	Medium	Medium	Long	Long	long
Detachable Ant	No	Yes	Yes	Yes	Yes
Dimensions (in mm)	49 x 16 x 8	63 x 21 x 11	76 x 26 x 11	59 x 21 x 10	76 x 26 x 11

Panda Wireless USB Adapters Without Antenna

Model	PAU03	PAU05	PAU07	PAU0A	PAU0C
Frequency Band	2.4GHZ	2.4GHz	2.4GHz&5GHz	2.4GHz&5GHz	2.4GHz&5GHz
IEEE Standard	802.11n	802.11n	802.11n	802.11n	802.11ac
Windows version	XP, Vista, 7, 8, 10, 11	XP, Vista, 7, 8, 10, 11	7, 8, 10,11	7, 8, 10,11	7, 8, 10, 11
Linux version	3.0 or higher	3.0 or higher	3.0 or higher	5.0 or higher	5.0 or higher
Range	Short	Short	Short	Short	Short - Medium
Dimensions (in mm)	24 x 14 x 7	45 x 20 x 8	66 x 23 x 9	30 x 16 x 7	75 x 26 x 11

Please send an email to support@pandawireless.com for help.

Image: A comparison table of various Panda Wireless USB adapters, including the PAU06, detailing their specifications.

7. TROUBLESHOOTING

If you encounter issues with your Panda PAU06 adapter, consider the following troubleshooting steps:

- **No Wi-Fi Connection:**

- Ensure the adapter is securely plugged into a USB port.
- Verify that the drivers are correctly installed. Reinstall them from the CD or the Panda Wireless website if necessary.
- Check if your Wi-Fi network is broadcasting and within range.
- Confirm that your router is operating on the 2.4GHz band. The PAU06 does not support 5GHz networks.

- **Slow Connection Speed:**

- Ensure the adapter is connected to a USB 2.0 port if possible, as some USB 3.0 ports may cause overheating or performance issues.
- Adjust the antenna position for better signal reception.
- Reduce interference by moving the adapter away from other electronic devices.
- Check your router's settings and ensure it is configured for optimal 802.11n performance.

- **Adapter Overheating:**

- If the adapter feels excessively hot, try plugging it into a different USB port, preferably a USB 2.0 port.
- Ensure adequate airflow around the adapter.

- **Driver Issues:**

- If the adapter is not recognized or drivers fail to install, try downloading the latest drivers directly from the Panda Wireless website.
- Ensure your operating system is supported by the PAU06.

For further assistance, please refer to the Warranty and Support section.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Panda PAU06 Wireless N USB Adapter, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the adapter with a soft, dry cloth to remove dust. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Physical Protection:** Avoid dropping the adapter or subjecting it to strong impacts. Do not bend or forcefully twist the antenna.
- **Ventilation:** Ensure the USB port area where the adapter is plugged in has adequate ventilation to prevent overheating.

9. WARRANTY AND SUPPORT

The Panda PAU06 Adapter is backed by a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or any questions regarding your Panda Wireless PAU06 adapter, please contact Panda Wireless Technical Support. Contact information (phone number and email address) can typically be found on the back of the product packaging or on the official Panda Wireless website.

The latest manuals and drivers for Windows, Mac (though PAU06 does not support Mac), and Linux operating systems are available on the Panda Wireless website. It is recommended to check the website for the most current information and resources.

Note: Always refer to the official Panda Wireless website for the most accurate and up-to-date support information.