

ASUS USB-N10

ASUS USB-N10 Wireless-N USB Adapter Instruction Manual

Model: USB-N10

Brand: ASUS

1. INTRODUCTION

The ASUS USB-N10 Wireless-N USB Adapter provides a convenient solution for adding or upgrading wireless connectivity to your computer. This compact adapter supports IEEE 802.11b/g/n standards, offering wireless data rates of up to 150Mbps for both transmit and receive functions. It features a fast USB 2.0 interface and includes software-based WPS (Wi-Fi Protected Setup) button support for easy and secure network connections.

2. KEY FEATURES

- **Excellent Connection:** Strong and convenient USB connection for fast downloads, rapid file transfers, and low-latency media streaming.
- **PSP Xlink Kai Support:** Play system games with PSP users worldwide via the internet.
- **EZ WPS:** Improve Wi-Fi security with easy WPS Wizard.
- **Operating System Support:** Compatible with Windows 7 and Mac 10.6 Operating Systems (and newer versions).
- **Standards:** IEEE 802.11b, IEEE 802.11g, IEEE 802.11n.
- **Host Interface:** USB 2.0.
- **Operating Frequency:** 2.4 - 2.5 GHz.
- **Antenna:** 2x Internal Antenna (MIFA antenna on USB connector).
- **Operating Modes:** 11 for N. America, 14 Japan, 13 Europe (ETSI).
- **Modulation:** OFDM - BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK.
- **Range:** Up to 150m.
- **Data Rate:** 802.11n: Tx - 150Mbps (Max); Rx - 150Mbps (Max), 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps, 802.11b: 1, 2, 5.5, 11Mbps.
- **Wireless Setting:** Diagnose and configure your wireless network settings with on-line troubleshooting feature.
- **WPS Wizard:** High-speed wireless network is just a few clicks away.
- **Receiver Sensitivity:** -84 dBm @11 Mbps, -70 dBm @54 Mbps, -67 dBm @64-QAM, 20MHz

channel spacing, -64 dBm @64-QAM, 40MHz channel spacing.

3. PACKAGE CONTENTS

The ASUS USB-N10 Wireless-N USB Adapter package typically includes:

- ASUS USB-N10 Wireless-N USB Adapter
- Quick Start Guide / Instruction Manual
- Driver CD or USB Drive (containing necessary software)

4. SETUP AND INSTALLATION

Follow these steps to install your ASUS USB-N10 Wireless-N USB Adapter:

1. **Insert the Adapter:** Carefully plug the ASUS USB-N10 adapter into an available USB 2.0 port on your computer. For optimal performance, especially if your computer has USB 3.0 ports, consider using one of those, though the adapter itself is USB 2.0.
2. **Install Drivers:**
 - Insert the provided driver CD or USB drive into your computer.
 - Locate and double-click the 'Setup.exe' file.
 - Follow the on-screen instructions to complete the Wi-Fi driver installation. It is recommended to use the manufacturer's drivers for best compatibility and performance.
3. **Connect to a Wi-Fi Network:**
 - Once the drivers are installed, click on the network icon in your system tray (usually in the bottom-right corner of your screen on Windows, or top-right on Mac).
 - Select your desired Wi-Fi network from the list of available networks.
 - Enter the network security key (password) if prompted.
 - Click 'Connect'. Your computer should now be connected to the Wi-Fi network.



Image 1: A hand holding the compact ASUS USB-N10 adapter, preparing to insert it into a laptop's USB port. This illustrates the ease of physical connection.



Image 2: The ASUS USB-N10 adapter is shown plugged into the side of a laptop, with its blue indicator light illuminated, signifying active operation.

5. OPERATING THE ADAPTER

Once installed and connected, the ASUS USB-N10 adapter operates seamlessly in the background, providing wireless internet access. You can manage your wireless connection through your operating system's network settings.

5.1. Using WPS (Wi-Fi Protected Setup)

The adapter supports WPS for quick and secure connection to compatible routers. If your router has a WPS button:

1. Press the WPS button on your wireless router.
2. Within two minutes, activate the WPS function on your computer. This is typically done through the ASUS utility software installed with the drivers, or via your operating system's network settings.
3. The adapter will automatically connect to the router securely.

6. MAINTENANCE AND CARE

- **Keep Clean:** Gently wipe the adapter with a soft, dry cloth to remove dust. Avoid using liquid cleaners.
- **Avoid Physical Damage:** Handle the adapter with care. Avoid dropping it or exposing it to excessive force, which could damage the USB connector or internal components.
- **Optimal Placement:** For best signal strength, ensure the adapter is not obstructed by other objects or placed in an area with high electromagnetic interference.
- **Driver Updates:** Periodically check the ASUS support website for updated drivers to ensure optimal performance and compatibility with the latest operating system versions.

7. TROUBLESHOOTING

7.1. No Wireless Connection

- **Check Physical Connection:** Ensure the USB-N10 adapter is securely plugged into a functioning USB port.
- **Driver Installation:** Verify that the drivers were installed correctly. You can check this in your computer's Device Manager (Windows) or System Information (Mac). Reinstall drivers if necessary.
- **Enable Wi-Fi:** Make sure your computer's Wi-Fi is enabled.
- **Router Status:** Confirm that your wireless router is powered on and broadcasting a Wi-Fi signal.

7.2. Slow Connection Speed

- **Signal Strength:** Check the signal strength of your Wi-Fi network. Move closer to your wireless router or access point if the signal is weak.
- **Interference:** Other electronic devices (microwaves, cordless phones) can cause interference. Try to minimize these or move the adapter away from them.
- **USB Port:** Ensure the adapter is connected to a USB 2.0 port. While compatible with USB 1.1, performance will be significantly reduced.
- **Router Settings:** Ensure your router is configured for 802.11n mode for maximum speed.

7.3. Adapter Not Recognized

- **Try Another USB Port:** Test the adapter in a different USB port on your computer.
- **Restart Computer:** A simple restart can often resolve recognition issues.
- **Reinstall Drivers:** Uninstall any existing drivers for the adapter, restart your computer, and then perform a clean installation of the drivers.

8. SPECIFICATIONS

Attribute	Value
Product Dimensions	0.67 x 1.18 x 0.35 inches
Item Weight	2.4 ounces
Item Model Number	USB-N10
Date First Available	March 26, 2010
Manufacturer	Asus



Image 3: The ASUS USB-N10 adapter is displayed next to a US dime, highlighting its extremely compact and portable design.



Image 4: A top-down view of the ASUS USB-N10 adapter, showcasing its minimalist black design and the ASUS branding.

9. WARRANTY AND SUPPORT

9.1. Legal Disclaimer

Actual data throughput and Wi-Fi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, resulting in lower actual data throughput and wireless coverage.

9.2. Customer Support

For technical support, warranty claims, or further assistance, please visit the official ASUS support website or contact their customer service. Refer to the product packaging or the ASUS website for the most current contact information and warranty details.