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› Deal4GO AR5B22 Wireless-N PCIe WiFi Adapter with Bluetooth 4.0 User Manual

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Model: AR5B22

1. INTRODUCTION

This manual provides instructions for the installation, operation, and troubleshooting of the Deal4GO AR5B22 Wireless-N PCIe WiFi Adapter with Bluetooth 4.0. The AR5B22 is a high-performance 2x2 MIMO Wi-Fi module designed for desktop PCs, offering dual-band 2.4GHz and 5GHz connectivity up to 300Mbps, alongside integrated Bluetooth 4.0. This adapter enables wireless internet access and Bluetooth peripheral connectivity for an enhanced computing experience.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1x AR5B22 WLAN Card
- 2x 8dBi Antennas
- 1x Screws set
- 1x Bluetooth Custom Cable
- 1x Low Profile Bracket



Image 1: The AR5B22 WLAN Card with two antennas and the Bluetooth cable, as typically included in the package.

3. SPECIFICATIONS

Model	AR5B22
Connector Interface	PCI Express 1X, 4X, 8X, 16X
System Interface Type	PCIe, USB (for Bluetooth)

Wireless Data Rate	Up to 300Mbps (5GHz), Up to 300Mbps (2.4GHz)
Streams	2 x 2 MIMO
Bluetooth	Bluetooth 4.0
Frequency	Dual Band 2.4GHz / 5GHz
IEEE WLAN Standard	IEEE 802.11 a/b/g/n (Does NOT support 802.11ac)
Operating Systems	Windows 10/8.1/8/7 (32/64-bit) (Does NOT support Windows XP)
Dimensions (L x W x H)	100 x 120 x 18 mm (with backplane bracket), 91 x 65 x 8 mm (without backplane bracket)

4. INSTALLATION GUIDE (SETUP)

Follow these steps to install the AR5B22 WiFi Adapter into your desktop computer:

1. Prepare Your Computer:

Before beginning, ensure your computer is completely powered off and unplugged from the wall outlet. Open the computer case by removing the side panel.

2. Locate an Available PCIe Slot:

Identify an available PCI Express (PCIe) slot on your motherboard. The AR5B22 is compatible with PCIe 1X, 4X, 8X, or 16X slots. Remove the metal bracket cover from the chosen slot on the back of your computer case.



Image 2: The AR5B22 WLAN card, highlighting the PCIe connector for motherboard insertion.

3. Install the WLAN Card:

Carefully align the gold contacts of the AR5B22 card with the chosen PCIe slot. Press down firmly and evenly until the card is securely seated in the slot. Secure the card to the computer case with a screw through the bracket.



Image 3: The AR5B22 WLAN card with the low profile bracket, demonstrating its adaptability for different PC case sizes.

4. Connect the Bluetooth Cable:

Locate the small 4-pin USB header on the AR5B22 card and connect one end of the provided Bluetooth custom cable. Connect the other end of the Bluetooth cable to an available USB 2.0 header on your motherboard. This connection is essential for Bluetooth functionality.

5. Attach Antennas:

Screw the two 8dBi antennas onto the connectors on the back of the AR5B22 card. Ensure they are finger-tight. Adjust the antennas for optimal signal reception once the computer is operational.



Image 4: The fully assembled AR5B22 WLAN card with antennas and low profile bracket, ready for use.

6. Close Computer Case and Power On:

Replace the computer case side panel and reconnect all cables. Plug in the power cord and turn on your computer.

7. Install Drivers:

Once Windows starts, you may need to install drivers for the WiFi and Bluetooth functions. Drivers are typically available on the manufacturer's website or can be automatically installed by Windows Update. Ensure you install drivers compatible with your operating system (Windows 10/8.1/8/7 32/64-bit).

5. OPERATING INSTRUCTIONS

5.1. Connecting to a Wi-Fi Network

1. After driver installation, click the Wi-Fi icon in the system tray (usually bottom-right of your screen).
2. A list of available wireless networks will appear. Select your desired network.
3. Click "Connect" and enter the network security key (password) if prompted.
4. Once connected, the Wi-Fi icon will indicate an active connection.

5.2. Pairing Bluetooth Devices

1. Ensure your Bluetooth device is in pairing mode (refer to your device's manual).
2. On your computer, go to "Settings" > "Devices" > "Bluetooth & other devices".
3. Turn on Bluetooth if it's not already enabled.
4. Click "Add Bluetooth or other device" and select "Bluetooth".
5. Select your device from the list and follow the on-screen prompts to complete the pairing process.

6. TROUBLESHOOTING

Issue: No Wi-Fi connection or "No Wi-Fi Available" message.

- Ensure the antennas are securely attached to the card.
- Verify that the Wi-Fi drivers are correctly installed in Device Manager.
- Check if your router is powered on and broadcasting a signal.
- Try restarting your computer and router.

Issue: Bluetooth not working or device not discoverable.

- Confirm the Bluetooth custom cable is securely connected to both the AR5B22 card and an available USB 2.0 header on your motherboard.
- Ensure Bluetooth is enabled in Windows settings.
- Verify that Bluetooth drivers are correctly installed in Device Manager.
- Make sure the Bluetooth device you are trying to pair is in pairing mode and within range.

Issue: Slow Wi-Fi speeds.

- Ensure your computer is within optimal range of your Wi-Fi router.
- Adjust the position of the antennas for better signal reception.
- Check for interference from other electronic devices.
- Verify that your router is configured for 802.11n (or compatible) and operating on a less congested channel.

- Update your Wi-Fi drivers to the latest version.

7. MAINTENANCE

The Deal4GO AR5B22 WiFi Adapter requires minimal maintenance. Consider the following:

- **Driver Updates:** Regularly check the manufacturer's website for updated drivers to ensure optimal performance and compatibility.
- **Physical Inspection:** Periodically check the antenna connections and the card's seating in the PCIe slot to ensure they remain secure.
- **Ventilation:** Ensure your computer case has adequate ventilation to prevent overheating, which can affect the performance of internal components.

8. WARRANTY AND SUPPORT

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

For further assistance, you may visit the [Deal4GO store on Amazon](#) or contact their customer service.