QGOO AX1800 (XHT-6B16)

QGOO AX1800 WiFi 6 USB Adapter Instruction Manual

Brand: QGOO | **Model:** AX1800 (XHT-6B16)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your QGOO AX1800 WiFi 6 USB Adapter. This device is designed to provide high-speed Wi-Fi 6 connectivity to your desktop or notebook computer, enhancing your wireless network experience with advanced features like dual-band support, high-gain antennas, and MU-MIMO technology.

Figure 1: QGOO AX1800 WiFi 6 USB Adapter. This image shows the compact black adapter with a blue USB 3.0 connector and two adjustable external antennas.

2. KEY FEATURES

- **Dual Band WiFi 6 High Speed:** Utilizes the latest 802.11ax technology, offering speeds up to 1200 Mbps on 5GHz and 574 Mbps on 2.4GHz. Ideal for 4K streaming, online gaming, and virtual meetings.

- **High Gain & Beamforming:** Equipped with dual 5dBi antennas for superior signal reception. Beamforming technology directs Wi-Fi signals towards connected devices for improved range and stability.

- **Lower Latency:** Incorporates OFDMA, MU-MIMO, 1024-QAM, and Target Wake Time (TWT) technologies for efficient, low-latency connectivity, reducing congestion on busy networks.

- **USB 3.0 & WPA3 Security:** Features a USB 3.0 interface for faster data transfer rates (up to 5Gbps) and

stable network connection. Supports WPA3/WPA2/WPA/WEP security protocols for enhanced network protection.

- **Hotspot Functionality:** Capable of creating a Wi-Fi hotspot from your computer, providing internet access to other devices.

Figure 2: Overview of key features including plug-and-play functionality, MU-MIMO support, dual-band operation, 1800Mbps transmission, and high-gain antennas.

Figure 3: Dual-band capability, showing distinct 5GHz and 2.4GHz frequency signals for versatile connectivity.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x QGOO AX1800 WiFi 6 USB Adapter
- 1 x Driver CD/Mini USB Drive (for driver installation)
- 1 x User Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps to install your QGOO AX1800 WiFi 6 USB Adapter:

1. **Prepare your Computer:** Ensure your computer is powered on and running a compatible Windows operating system (Windows 11/10/8.1/8/7).

2. **Install Drivers:**

- Insert the included Driver CD or Mini USB Drive into your computer's optical drive or USB port.
- Locate and run the setup file (e.g., "setup.exe" or "driver_installer.exe").
- Follow the on-screen prompts to complete the driver installation. If your computer does not have an optical drive or the mini USB drive is not recognized, you can download the latest drivers from the official QGOO website.

3. **Connect the Adapter:**

- Carefully insert the QGOO AX1800 WiFi 6 USB Adapter into an available USB 3.0 port on your desktop or laptop. For optimal performance, use a USB 3.0 port (typically identified by a blue insert).
- Adjust the dual antennas to an upright position or an angle that provides the best signal reception. The antennas are multi-directional and can be rotated 180° and 360° for flexible positioning.

4. **Verify Installation:**

- After installation, restart your computer if prompted.
- Go to your computer's network settings. The adapter should be recognized as a new wireless network device.

Figure 4: The adapter supports various Windows operating systems, including Windows 7, 8/8.1, 10, and 11.

Adjustable Multi-Directional Antenna

90°

360°

otate and adjust the antenna 180° for the best reception in different environments with the flexible desktop design

Figure 5: The adjustable multi-directional antennas can be rotated 180° and 360° for optimal signal reception.

5. OPERATING INSTRUCTIONS

Once the adapter is installed and recognized by your system, you can connect to wireless networks:

1. **Connect to a Wi-Fi Network:**

   - Click on the Wi-Fi icon in your system tray (usually in the bottom right corner of your screen).
   - Select your desired Wi-Fi network from the list of available networks.
   - Enter the network security key (password) if prompted.
   - Click "Connect".

2. **Using as a Wi-Fi Hotspot:**

   - This adapter can be used to create a Wi-Fi hotspot. Refer to your Windows operating system's documentation for instructions on how to enable and configure Mobile Hotspot or Wi-Fi Direct features.
   - Ensure your computer is connected to the internet via Ethernet or another Wi-Fi source for the hotspot to

function.

6. MAINTENANCE

To ensure optimal performance and longevity of your QGOO AX1800 WiFi 6 USB Adapter:

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the adapter yourself. This will void the warranty.
- Periodically check for updated drivers on the official QGOO website to ensure the best performance and compatibility.

7. TROUBLESHOOTING

If you encounter issues with your QGOO AX1800 WiFi 6 USB Adapter, refer to the following common solutions:

Problem	Possible Cause / Solution
Adapter not recognized / No Wi-Fi networks found.	Ensure the adapter is fully inserted into a USB port. Try a different USB port (preferably a USB 3.0 port). Verify that drivers are correctly installed. Reinstall drivers if necessary. Check Device Manager to see if the adapter appears without errors.
Slow Wi-Fi speeds or frequent disconnections.	Adjust the angle and orientation of the antennas for optimal signal reception. Ensure your router supports Wi-Fi 6 (802.11ax) and is configured for dual-band operation. Reduce interference by moving the adapter away from other electronic devices. Update the adapter's drivers to the latest version. Try connecting to the 5GHz band for higher speeds if available and within range.
Cannot connect to a specific Wi-Fi network.	Double-check the Wi-Fi password (security key). Ensure the network is within range. Restart your router and modem. Temporarily disable any firewall or antivirus software to check for conflicts.

Figure 6: The dual high-gain antennas provide broader coverage, extending signals through walls and floors compared to standard adapters.

8. SPECIFICATIONS

Feature	Detail
Model Number	XHT-6B16
Wireless Standards	IEEE 802.11ax/ac/a/b/g/n
Wireless Speed	AX1800 (1200 Mbps on 5GHz, 574 Mbps on 2.4GHz)
Interface	USB 3.0 (Compatible with USB 2.0, USB 1.1)
Antenna Type	Dual 5dBi High-Gain Antennas
Wireless Security	WPA3/WPA2/WPA/WEP
Dimensions (Product)	6.38 x 3.11 x 0.59 inches

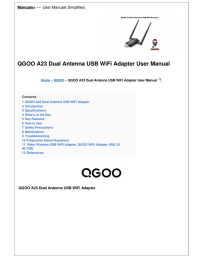| Feature	Detail
Item Weight	2.08 ounces
Compatible Operating Systems	Windows 11/10/8.1/8/7 (Not recommended for Linux/Mac)

9. WARRANTY AND TECHNICAL SUPPORT

QGOO provides technical support for its products. For assistance with installation, troubleshooting, or any other inquiries, please contact QGOO customer support through their official website or the contact information provided with your purchase.

Please retain your proof of purchase for warranty claims.

Related Documents - AX1800 (XHT-6B16)

	[BrosTrend AX1800 USB WiFi 6 Adapter Quick Installation Guide](#) A concise guide for installing the BrosTrend AX1800 USB WiFi 6 Adapter (Models AX1, AX4) on Windows computers. Covers setup, driver installation, connection, uninstallation, desktop icon customization, FAQs, and technical support.
	[Simplecom NW812 AX1800 Dual Band WiFi 6 USB Adapter Quick Installation Guide](#) Quick installation guide for the Simplecom NW812 AX1800 Dual Band WiFi 6 USB Adapter. Learn how to install drivers, connect to WiFi, and check device manager on Windows 10 and 11.
	[Wi-Fi 6 USB Adapter User Guide](#) User guide for the Wi-Fi 6 USB Adapter, covering installation and uninstallation procedures.
	[AX1800 USB WiFi 6 Adapter: User Manual and Driver Installation Guide](#) User manual for the SKYBESS AX1800 USB WiFi 6 Adapter, detailing driver installation steps, system requirements, dual-band support (5G/2.4G), and troubleshooting FAQs. Compatible with Windows 8.1, 10, and 11. Provides high-speed wireless connectivity.
	[QGOO A23 Dual Antenna USB WiFi Adapter User Manual](#) Comprehensive user manual for the QGOO A23 Dual Antenna USB WiFi Adapter AC1200. Learn about its specifications, features, easy setup, troubleshooting tips, and frequently asked questions for reliable wireless internet connectivity on Windows and Mac devices.

	[UGREEN AX1800 High-Gain Dual Band Wireless Adapter Product Overview and Specifications](#)
	Detailed product overview and technical specifications for the UGREEN AX1800 High-Gain Dual Band Wireless Adapter, including material, dimensions, compliance information, and manufacturing tolerances.