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Edimax EW-7811UTC

Edimax EW-7811UTC Wi-Fi 5 AC600 Dual-Band USB Adapter User Manual

Model: EW-7811UTC

1. Introduction

The Edimax EW-7811UTC is a compact, dual-band Wi-Fi 5 (802.11ac) USB adapter designed to upgrade your computer's wireless capabilities. It supports speeds up to 433Mbps on the 5GHz band and 150Mbps on the 2.4GHz band, offering enhanced performance for various online activities. Its miniature design ensures portability and convenience.

2. What's in the Box

- EW-7811UTC Wi-Fi USB Adapter
- Quick Installation Guide
- CD-ROM (for drivers and utility)

3. Key Features

- **High Performance AC600:** Supports Wi-Fi 5 802.11ac standard with speeds up to 433Mbps (5Ghz) or 150Mbps (2.4Ghz).
- **Mini-Sized Design:** Extremely compact and easy to carry, featuring a cap and lanyard hole.
- **Highly Secure:** Supports WPA3, WPA2, WPA, and 64/128-bit WEP encryption methods.
- **Easy Wireless Connection:** Features physical WPS (Wi-Fi Protected Setup) for one-click connection to a router.
- **Backwards Compatible:** Works with wireless 802.11a/b/g/n standards.
- **Broad OS Support:** Plug-and-Play with Windows 11. Also supports Windows XP/Vista/7/8/8.1/10, MAC OS 10.9~10.15, and Linux 2.6.18~5.11 (Fedora & Ubuntu).

4. Specifications

Specification	Detail

Specification	Detail
Wireless Type	802.11a/b/g/n/ac
Brand	Edimax
Series	Mini Adapter
Item Model Number	EW-7811UTC
Operating System Support	Windows 11 Plug-n-Play, Supports Windows XP/Vista/7/8/8.1/10, MAC OS 10.9~10.15, and Linux 2.6.18~5.11 (Fedora & Ubuntu)
Item Weight	0.176 ounces (approx. 0.01 Kilograms)
Product Dimensions	5.9 x 3.4 x 0.7 inches
Color	Black
Hardware Interface	USB 2.0
Data Transfer Rate	Up to 433 Mbps (5GHz), 150 Mbps (2.4GHz)

5. Setup Guide

Follow these steps to install and set up your Edimax EW-7811UTC USB adapter.

5.1. Physical Installation

1. Locate an available USB port on your computer.
2. Carefully insert the Edimax EW-7811UTC USB adapter into the USB port. Ensure it is fully seated.



Figure 1: The Edimax EW-7811UTC USB adapter with its protective cap removed, revealing the USB connector ready for insertion.



Figure 2: The compact size of the Edimax EW-7811UTC USB adapter, easily held between two fingers.

5.2. Driver Installation

For Windows 11, the adapter is typically Plug-n-Play. For other operating systems (Windows XP/Vista/7/8/8.1/10, MAC OS 10.9~10.15, and Linux 2.6.18~5.11), driver installation may be required. You can find the latest drivers on the official Edimax website or use the provided CD-ROM.

5.2.1. Windows Installation

1. Insert the provided CD-ROM into your computer's optical drive. If you do not have an optical drive, download the latest drivers from the Edimax website (www.edimax.com).
2. Run the setup executable (e.g.,setup.exe) from the CD-ROM or downloaded folder.
3. Follow the on-screen instructions to complete the driver installation.
4. Restart your computer if prompted.

5.2.2. Linux (Ubuntu) Installation Guide

For Linux users, specifically Ubuntu, Edimax provides an official driver and installation instructions. The following video demonstrates the process:

Video: Official Edimax Linux Ubuntu Installation Guide for EW-7811UTC. This video provides step-by-step instructions on how to install the

official Edimax driver for the EW-7811UTC adapter on Ubuntu, including commands for terminal use and file management.

Summary of Linux Installation Steps (as shown in video):

1. Open a Terminal program from your Ubuntu OS and verify your kernel version using`uname -r`.
2. Ensure your system has internet access and visit www.edimax.com.
3. Search for model number EW-7811UTC, navigate to the Download tab, and download the Linux driver (usually a ZIP file).
4. Extract the zipped driver file to your Downloads folder.
5. Optionally, update your system: `sudo apt update` and `sudo apt upgrade`.
6. Install necessary build tools: `sudo apt install build-essential make gcc`.
7. Install kernel headers: `sudo apt install linux-headers-$(uname -r)`.
8. Navigate to the extracted driver folder (e.g.,`cd ~/Downloads/EW-7811UTC_UAC_DAC_Linux_Driver_1.0.3.4/`).
9. Compile and install the driver: `make` then `sudo make install`.
10. Restart your system for the newly installed driver to take effect:`sudo reboot`.
11. After reboot, open Network Manager to make the wireless connection.

6. Operating Instructions

Once the driver is successfully installed, your computer should recognize the Edimax EW-7811UTC as a wireless adapter.

1. **Connect to a Wi-Fi Network:** Access your operating system's network settings or Wi-Fi icon in the system tray/notification area.
2. **Select Network:** Choose your desired Wi-Fi network from the list of available networks.
3. **Enter Password:** If prompted, enter the Wi-Fi password (security key) for the selected network.
4. **Connect:** Click 'Connect' to establish the wireless connection.
5. **WPS (Wi-Fi Protected Setup):** If your router supports WPS, you can press the WPS button on your router and then activate WPS on your computer (if supported by the driver utility) or on the adapter itself (if it has a physical button) for a quick, secure connection without typing the password.

7. Maintenance

- **Driver Updates:** Periodically check the Edimax website for updated drivers to ensure optimal performance and compatibility with the latest operating system versions.
- **Physical Care:** Keep the adapter clean and free from dust. Avoid exposing it to extreme temperatures or moisture. When not in use, it is recommended to keep the protective cap on.
- **Safe Removal:** Always safely remove the USB adapter from your computer before unplugging it to prevent data corruption or damage.

8. Troubleshooting

- **Adapter Not Detected:** Ensure the adapter is fully inserted into a working USB port. Try a different USB port.

Restart your computer.

- **No Wi-Fi Networks Found:** Verify that your router is powered on and broadcasting a Wi-Fi signal. Ensure the adapter's drivers are correctly installed.
- **Slow Connection Speed:** Ensure you are connecting to the 5GHz band if available and your router supports it, as it generally offers faster speeds. Reduce interference by moving closer to the router or minimizing obstacles. Check for updated drivers.
- **Frequent Disconnections:** This could be due to signal interference or outdated drivers. Try changing your Wi-Fi channel on your router or updating the adapter's drivers.
- **Driver Installation Issues:** Refer to the specific installation steps for your operating system. Ensure you have administrative privileges during installation. For Linux, carefully follow the terminal commands as shown in the official guide.

9. Warranty Information

For detailed warranty information, please refer to the warranty card included with your product packaging or visit the official Edimax website. Warranty terms and conditions may vary by region.

10. Support

For further assistance, technical support, or to download the latest drivers and firmware, please visit the official Edimax support website:

www.edimax.com/techsupport

You may also find helpful FAQs and troubleshooting guides on the website.

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Details

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