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› Comfast CF-912AC 1200Mbps Dual Band USB WiFi Network Adapter User Manual

Comfast CF-912AC

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INTRODUCTION

This manual provides comprehensive instructions for the Comfast CF-912AC 1200Mbps Dual Band USB WiFi Network Adapter. Please read this guide carefully before installation and use to ensure optimal performance and proper operation of your device. This adapter is designed to provide high-speed wireless connectivity for various devices.

FEATURES

- **High-Speed Wireless Connectivity:** Supports IEEE 802.11a/b/g/n/ac WiFi standards for fast and reliable internet access.
- **Dual-Band Performance:** Achieves transfer speeds up to 300Mbps on the 2.4GHz band and 867Mbps on the 5.8GHz band, totaling 1200Mbps.
- **WPS Security:** Features a one-key WPS (Wi-Fi Protected Setup) button for quick and secure wireless network encryption (supports 64/128-bit WEP).
- **Wide Operating System Compatibility:** Fully compatible with Windows XP (32/64-bit), Vista (32/64-bit), Windows 7 (32/64-bit), Windows 8 (32/64-bit), Windows 8.1, and Windows 10.
- **USB 3.0 Interface:** Equipped with a USB 3.0 port, offering data transmission speeds up to 10 times faster than traditional USB 2.0, while remaining backward compatible with USB 2.0/1.1.
- **Stable Signal:** Incorporates a powerful inner core with an RTL8812AC chip and two RTC5633 power amplifiers for stable, fluctuation-free signal transmission.
- **Energy Efficient:** Designed for low power consumption, with a maximum power usage of only 5 watts.
- **Coverage Area:** Provides an indoor coverage range of approximately 100 meters and an outdoor range of up to 300 meters (actual range may vary based on environmental factors).

The image features a black Comfast CF-912AC USB WiFi adapter on the left, with a blue wireless signal icon above it. The adapter has a USB-A connector and a small antenna. Text on the adapter reads "COMFAST 1200Mbps USB Wireless Adapter Model: CF-912AC". To the right of the adapter is a black protective cap. Further right, a vertical list of icons and text highlights the adapter's capabilities: a black antenna icon with "1200Mbps" below it; a red game controller icon with "gaming online" below it; a red monitor icon with "HD" on it and "watch HD moving" below it; a red globe icon with "web surfing" below it; and a red envelope icon with a downward arrow and "download file" below it.

Image: The Comfast CF-912AC USB WiFi adapter highlighting its capabilities for high-speed activities like online gaming, HD video streaming, web browsing, and file downloads.

USB 3.0 Interface

Compatible with USB 2.0/1.1 standard

Transmission speed is 10 times more than the traditional USB 2.0



Has a powerful inner core

using cutting edge RTL8812AC chip

Two RTC5633 power amplifier

Signal without fluctuation, super stability



Image: The Comfast CF-912AC adapter demonstrating compatibility with a range of devices including PCs, laptops, smart TVs, IPTV boxes, DVB boxes, and smartphones/tablets.

AP Function



Image: A visual comparison illustrating the faster transmission speed of USB 3.0 (867 Mbps) compared to USB 2.0 (64 Mbps) when using the Comfast CF-912AC adapter.

Support The Newest 802.11 AC Protocol

Three times faster than the traditional 11n network card
Transmission rate is as high as 1167 Mbps(2.4G 300Mbps +5.8G 867 Mbps)



Image: A chart comparing wireless speeds: 802.11g at 54Mbps, 802.11n at 300Mbps, and 802.11ac (CF912AC) at 1167Mbps, highlighting the superior performance of the 802.11ac protocol.

1. Hardware Installation

Insert the Comfast CF-912AC USB WiFi adapter into an available USB port on your computer. For optimal performance, use a USB 3.0 port if available.

- **For Windows 7, 8, 8.1, 10:** The operating system may attempt to install a generic driver automatically. Proceed to software installation if the device is not recognized or does not function correctly.
- **For Windows XP/Vista:** After inserting the adapter, if a "New Hardware Wizard" window appears, click "Cancel" to prevent automatic driver installation.

2. Software Installation

The driver installation process is similar across Windows XP, Vista, and 7. The following steps use Windows XP as an example:

1. Insert the provided driver CD into your computer's CD-ROM drive.
2. Navigate to the CD drive in "My Computer" or "This PC" and double-click the **setup.exe** icon to start the installation wizard.
3. The setup process will begin. Click **Next** to proceed through the installation steps.
4. Follow the on-screen prompts. The installation typically takes a few seconds.
5. Once the installation is complete, click **Finish** to exit the wizard.

After successful installation, your computer should recognize the Comfast CF-912AC adapter, and you will be able to connect to wireless networks.

OPERATING INSTRUCTIONS

Connecting to a Wireless Network

1. After installing the drivers, locate the wireless network icon in your system tray (usually in the bottom-right corner of your screen).
2. Click on the icon to view available wireless networks.
3. Select your desired Wi-Fi network from the list.
4. Click "Connect" and enter the network security key (password) when prompted.
5. Once connected, the icon will indicate a successful connection, and you can access the internet.

Using WPS (Wi-Fi Protected Setup)

The WPS button on the adapter allows for a quick and secure connection to a WPS-enabled router without manually entering the password.

wps button for quick wireless network security setup



create a wifi hotspot for other mobile devices



Image: Illustration of using the WPS button on the Comfast CF-912AC adapter for a quick and secure wireless network setup with a compatible router.

1. Press the WPS button on your wireless router.
2. Within two minutes, press the WPS button on your Comfast CF-912AC adapter.
3. The adapter will automatically establish a secure connection with the router.

Creating a Wi-Fi Hotspot (AP Function)

The Comfast CF-912AC adapter can function as a soft Access Point (AP), allowing your computer to share its internet connection with other wireless devices like smartphones or tablets.



Image: The Comfast CF-912AC adapter being used to create a Wi-Fi hotspot, enabling other mobile devices to connect to the internet through the computer.

To enable this feature, you typically need to access the utility software installed with the adapter drivers. Look for an option like "AP Mode" or "SoftAP" within the utility. Follow the on-screen instructions to configure the hotspot name (SSID) and password.

MAINTENANCE

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the adapter yourself, as this will void the warranty and may cause damage.
- Store the adapter in a safe place when not in use to prevent physical damage.

TROUBLESHOOTING

- **No Internet Connection:**
 - Ensure the adapter is properly inserted into a USB port.
 - Verify that the drivers are correctly installed. Check Device Manager for any error symbols.
 - Confirm that your Wi-Fi network is active and broadcasting.
 - Double-check the Wi-Fi password for accuracy.
 - Try restarting your computer and router.
- **Slow Connection Speed:**

- Ensure the adapter is plugged into a USB 3.0 port if your computer has one.
 - Check for potential interference from other electronic devices (e.g., microwaves, cordless phones).
 - Update the adapter drivers to the latest version from the Comfast website.
 - Move closer to your wireless router to improve signal strength.
- **Adapter Not Detected:**
 - Try a different USB port on your computer.
 - Test the adapter on another computer to rule out a device malfunction.
 - Reinstall the drivers completely.

SPECIFICATIONS

Brand	Comfast
Model	CF-912AC
Hardware Interface	USB, USB 2.0 (USB 3.0 compatible)
Compatible Devices	Smart TV, Desktop PC, Laptop, Tablet, Smartphone
Data Link Protocol	IEEE 802.11a/b/g/n/ac
Data Transfer Rate	Up to 1200 Mbps (2.4GHz: 300Mbps, 5.8GHz: 867Mbps)
Wireless Security	64/128-bit WEP, WPS
Operating Systems	Windows XP/Vista/7/8/8.1/10 (32/64-bit)
Manufacturer	Moobom
Part Number	112509BENQA160
UPC / GTIN	889250872106
ASIN	B01KX1M436

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product packaging or visit the official Comfast website. Keep your purchase receipt for warranty claims.