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› GOLDEN BLUE RT5572 Dual Frequency WiFi Module Instruction Manual

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GOLDEN BLUE RT5572 Dual Frequency WiFi Module Instruction Manual

Model: RT5572

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GOLDEN BLUE RT5572 2.4G/5.8G Dual Frequency WiFi Module. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

PRODUCT OVERVIEW

The GOLDEN BLUE RT5572 is a high-performance dual-frequency WiFi module designed to provide stable and fast wireless connectivity. It supports both 2.4GHz and 5.8GHz bands, offering flexibility and reduced interference for various applications, from online HD video streaming to multiplayer gaming.

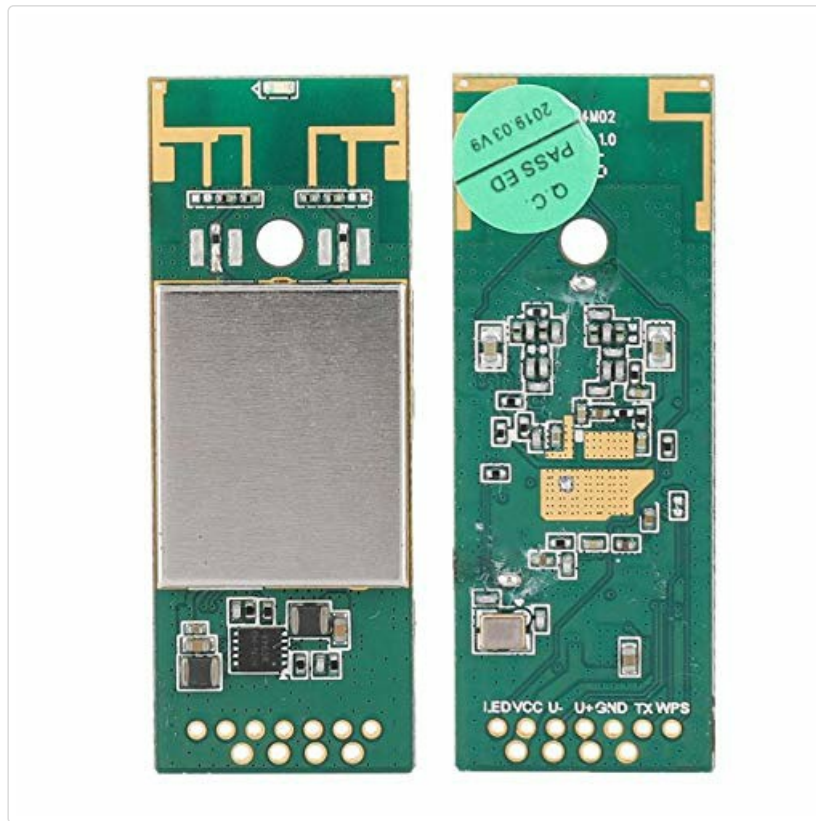


Figure 1: Front view of the GOLDEN BLUE RT5572 Dual Frequency WiFi Module.

SETUP INSTRUCTIONS

1. Hardware Connection:

Carefully connect the external antennas to the RT5572 WiFi Module. Ensure they are securely fastened.

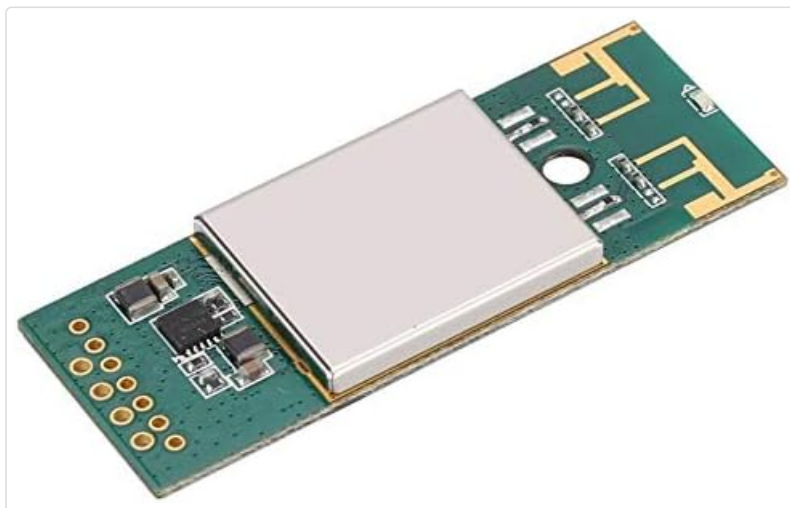


Figure 2: Detail of the RT5572 module, highlighting the antenna ports and USB interface.

Insert the USB connector of the WiFi module into an available USB 2.0 port on your computer or compatible device. The module is designed for easy plug-and-play functionality.

2. Driver Installation:

For most modern operating systems (Windows 7/8/Vista/XP/2000, Linux), the necessary drivers may install automatically upon connection. If automatic installation does not occur, please follow these steps:

- Locate the driver CD included with your product. Insert the CD into your computer's optical drive and follow the on-screen instructions to install the drivers.
- Alternatively, visit the official GOLDEN BLUE support website and download the latest drivers for the RT5572

model.

3. Network Configuration:

Once drivers are installed, navigate to your operating system's network settings. The RT5572 module should appear as an available wireless adapter. Select your desired WiFi network (SSID) and enter the network password to establish a connection.

OPERATING INSTRUCTIONS

The RT5572 module operates on dual frequency bands: 2.4GHz and 5.8GHz. This dual-band capability allows for flexible and optimized wireless performance.

- **2.4GHz Band:** This band offers wider coverage and better penetration through walls and obstacles. It is suitable for general internet browsing, email, and tasks that do not require very high speeds.
- **5.8GHz Band:** This band provides higher speeds and lower interference, making it ideal for demanding applications such as HD video streaming, online gaming, and large file transfers. It is recommended to use the 5.8GHz band when available for optimal performance.

Your operating system's network manager will typically allow you to choose between available 2.4GHz and 5.8GHz networks if your router supports both.

MAINTENANCE

To ensure the longevity and optimal performance of your RT5572 WiFi Module, consider the following maintenance tips:

- Keep the module clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Ensure the antennas are not bent or damaged, as this can affect signal strength.
- Regularly check for and install updated drivers from the GOLDEN BLUE support website to benefit from performance improvements and security patches.

TROUBLESHOOTING

If you encounter issues with your RT5572 WiFi Module, try the following troubleshooting steps:

1. No Connection/Limited Connectivity:

- Ensure the module is securely plugged into a functional USB port. Try a different USB port.
- Verify that the external antennas are properly attached.
- Restart your computer and router.
- Check your network settings to ensure the correct WiFi network is selected and the password is entered accurately.
- Temporarily disable any firewall or antivirus software to see if it's blocking the connection.

2. Slow Speeds:

- Ensure you are connected to the 5.8GHz band if your router supports it, as it generally offers faster speeds.
- Reduce the distance between the WiFi module and your wireless router.
- Minimize obstacles (walls, large furniture) between the module and the router.
- Check for other devices on your network that might be consuming significant bandwidth.
- Update your router's firmware and the WiFi module's drivers.

3. **Driver Issues:**

- Uninstall existing drivers and reinstall them using the provided CD or the latest version from the GOLDEN BLUE website.
- Ensure your operating system is up to date.

SPECIFICATIONS

Feature	Description
Material	PVC
CPU	For Ralink RT5572N
Working Frequency	2412-2483.5MHz, 4.915-5.825GHz (Country dependent)
Protocol	802.11b, CCK, QPSK, BPSK, 802.11a/g/n: OFDM
Antenna	Two Dual-Band External Antennas
Security	WEP 64/128, WPA/WPA2/WAPI, TKIP/AES, WPS/WPS2: PIN, PBC
Transmission Power	802.11b(CCK) 11Mbps: 17+/-1dBm; 802.11g(OFDM) 54Mbps: 15+/-1dBm; 802.11a(OFDM) 54Mbps: 11+/-1.5dBm; 802.11n(HT20MCS7): 13+/-1dBm; (HT40MCS7): 12+/-1dBm
Receiving Sensitivity	802.11b: -88+/-1dBm; 802.11g: -73+/-1dBm; 802.11n(HT20): -71+/-1dBm; 802.11n(HT40): -68+/-1dBm; 802.11a: -70+/-1dBm
Operating Voltage/Current	DC5V5%, 350mA/802.11n HT40 or 3.3VDV5%, 500mA/802.11n HT40
Host Interface	USB2.0
Interface	7-pin or 4-pin, 2.0mm, or 4-pin 2.54mm pitch pin header
Compatible Operating System Family	Linux, Windows
Data Transfer Rate	300 Megabits Per Second

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official GOLDEN BLUE website. Keep your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question