

FOSCAM WD-R1200U

Foscam WD-R1200U WiFi Range Extender Instruction Manual

Dual Band Wireless Amplifier with Intelligent Signal Indicator and Ethernet Port

1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, and troubleshooting your Foscam WD-R1200U WiFi Range Extender. This device is designed to expand your existing WiFi network coverage, eliminate dead zones, and provide stable, high-speed internet access throughout your home or office.

The Foscam WD-R1200U supports both 2.4GHz and 5GHz bands, offering speeds up to 1200Mbps. It features an intelligent signal indicator for optimal placement and a simple one-button setup. With its high compatibility, it works with all 802.11 b/g/n and 802.11ac standard routers or gateways.

2. PRODUCT OVERVIEW



Figure 2.1: Foscam WD-R1200U WiFi Range Extender

This image shows the Foscam WD-R1200U WiFi Range Extender, a compact black device with four external antennas, plugged into a white wall outlet. The front panel features several green LED indicator lights for 2.4G, 5G, and signal strength.

The Foscam WD-R1200U is a wall-plug design, making it easy to integrate into any environment. It features:

- **Four External Antennas:** For enhanced signal transmission and reception.
- **LED Indicators:** Lights for 2.4G, 5G, WPS, and power, providing visual feedback on device status and signal

strength.

- **Ethernet Ports:** Two 10/100Mbps Ethernet ports for wired connections to devices like PCs, smart TVs, or gaming consoles.
- **WPS Button:** For quick and easy setup with compatible routers.
- **Reset Button:** Located on the side, used to restore factory default settings.

3. SETUP

The Foscam WD-R1200U WiFi Range Extender can be set up using either a mobile phone or a PC. Choose the method that best suits your needs.

3.1. Mobile Phone Setup

Follow these steps to set up your extender using a mobile phone:

1. **Power On:** Plug the extender into a power outlet within 2 meters (6.56 feet) of your router. Wait approximately 5 seconds until the 2.4G and 5G LED lights turn solid green. If the lights do not turn green, press and hold the "Reset" button on the side of the product for more than 8 seconds.
2. **Connect to Extender SSID:** On your mobile phone, turn off mobile data. Go to your WiFi settings and connect to the extender's WiFi network name (SSID). This will typically be "wifi-5g-XXXX" or "wifi-2.4g-XXXX", where "XXXX" are the last 4 letters of the MAC Address found at the back of the product. Choose either the 2.4G or 5G network to connect.
3. **Access Management Page:** Launch a web browser (e.g., Chrome, Firefox, Safari) on your phone and enter `192.168.188.1` in the address bar. If a 403 error occurs, refresh the page or contact seller support.
4. **Enter Default Password:** On the login page, enter the default password: `admin` (must be lower case).
5. **Select Home WiFi Network:** The extender will scan for available networks. Select your home WiFi network name (SSID) that you wish to extend.
6. **Enter Home WiFi Password:** Enter the password for your home WiFi network. Ensure the password is correct.
7. **Set Extender SSID and Password:** You can choose to keep the default extender SSID (original SSID + Pro-2.4G/5G) or change it. You can also change the default router password.
8. **Start Connection:** After reviewing the settings, click "Start Connect" and wait 30-60 seconds for the extender to configure.
9. **Verify Connection:** Once the configuration is complete, the first three indicator lights on the extender should be solid green, indicating successful setup. You can now connect your devices to the extender's new WiFi network name (SSID) that you set in the previous step.

Your browser does not support the video tag.

Video 3.1: Mobile Phone Quick Start Guide for Foscam WiFi Extender (2.4Ghz & 5Ghz)

This video demonstrates the step-by-step process of setting up the Foscam WiFi Range Extender using a mobile phone, covering initial power-on, connecting to the extender's network, accessing the web interface, and configuring the extension settings.

3.2. PC Setup

Follow these steps to set up your extender using a PC:

1. **Power On:** Plug the extender into a power outlet within 2 meters (6.56 feet) of your router. Wait approximately 5 seconds until the 2.4G and 5G LED lights turn solid green. If the lights do not turn green, press and hold the "Reset" button on the side of the product for more than 8 seconds.
2. **Connect to Extender SSID:** On your PC, go to your WiFi settings and connect to the extender's WiFi network name (SSID). This will typically be "wifi-5g-XXXX" or "wifi-2.4g-XXXX", where "XXXX" are the last 4 letters of the MAC Address found at the back of the product. Choose either the 2.4G or 5G network to connect.
3. **Access Management Page:** Launch a web browser (e.g., Chrome, Firefox, Safari) on your PC and enter

192.168.188.1 in the address bar. If a 403 error occurs, refresh the page or contact seller support.

4. **Enter Default Password:** On the login page, enter the default password: `admin` (must be lower case).
5. **Scan and Select Host Router SSID:** The extender will scan for available networks. Select your home WiFi network name (SSID) that you wish to extend.
6. **Enter Home WiFi Password:** Enter the password for your home WiFi network. Ensure the password is correct.
7. **Set Extender SSID and Password:** You can choose to keep the default extender SSID (original SSID + Pro-2.4G/5G) or change it. You can also change the default router password.
8. **Start Connection:** After reviewing the settings, click "Start Connect" and wait 30-60 seconds for the extender to configure.
9. **Verify Connection:** Once the configuration is complete, the first three indicator lights on the extender should be solid green, indicating successful setup. You can now connect your devices to the extender's new WiFi network name (SSID) that you set in the previous step.

Your browser does not support the video tag.

Video 3.2: PC Quick Start Guide for Foscam WiFi Extender (2.4Ghz & 5Ghz)

This video illustrates the setup process for the Foscam WiFi Range Extender using a personal computer, detailing how to connect to the extender's network, access its configuration page, and extend your existing WiFi signal.

4. OPERATING MODES

The Foscam WD-R1200U primarily operates in Repeater mode to extend your existing WiFi signal. It also offers functionality through its Ethernet ports.

- **Repeater Mode:** This is the default and primary function. The extender receives your existing WiFi signal and re-broadcasts it, effectively extending the coverage area. This is ideal for eliminating WiFi dead zones and improving signal strength in areas far from your main router.
- **Access Point (AP) Mode:** While not explicitly detailed in the quick setup, the presence of Ethernet ports suggests the ability to function as an Access Point. In AP mode, the extender connects to your router via an Ethernet cable and then broadcasts a new wireless network, converting a wired connection into a wireless one.
- **Wired Connection:** The two Ethernet ports allow you to connect wired devices (e.g., desktop computers, gaming consoles, smart TVs) to the extender, providing them with network access even if they lack wireless capabilities.

No more dead zones

Achieve maximum WiFi coverage and penetration
by boosting your network signal

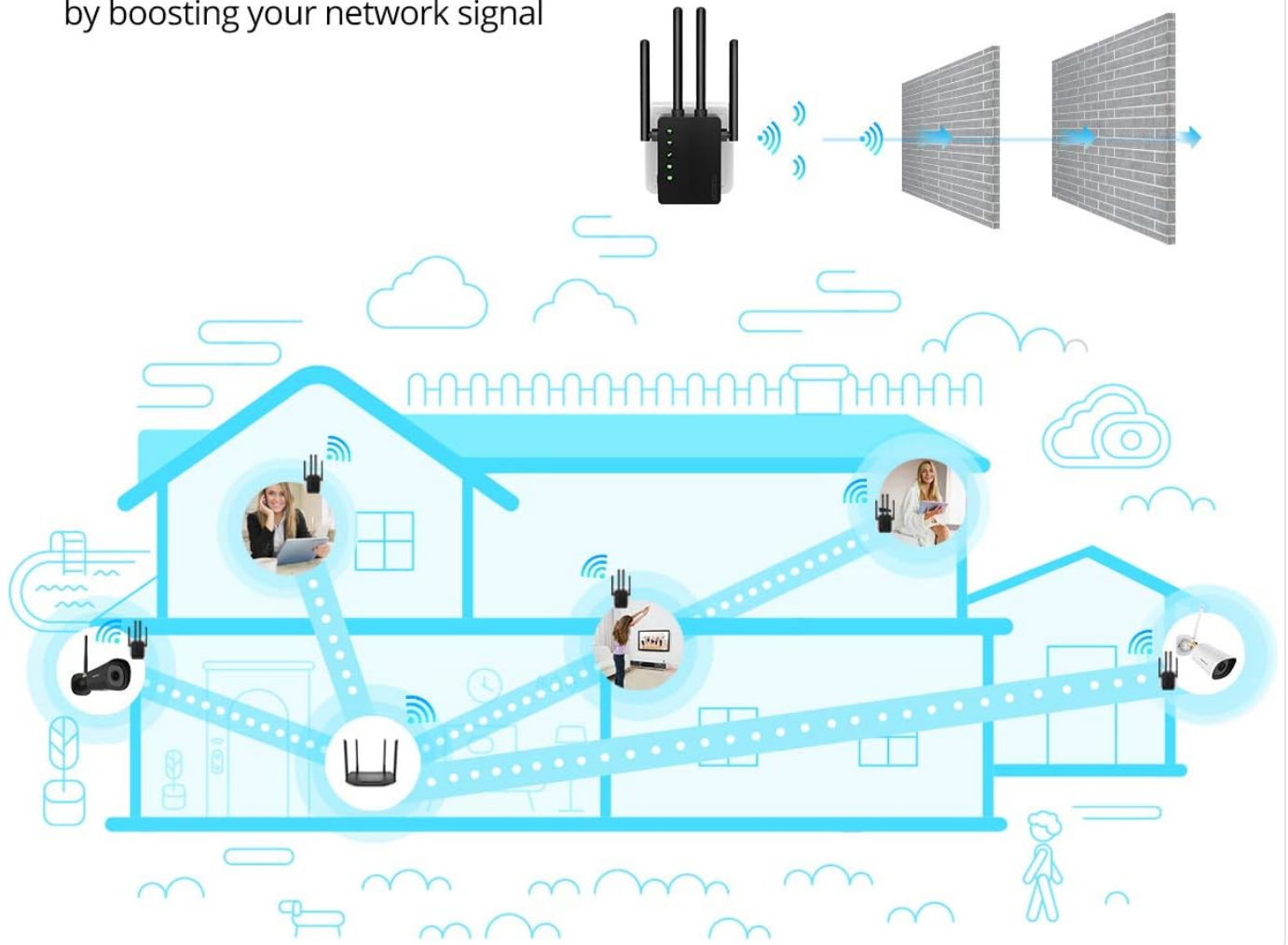
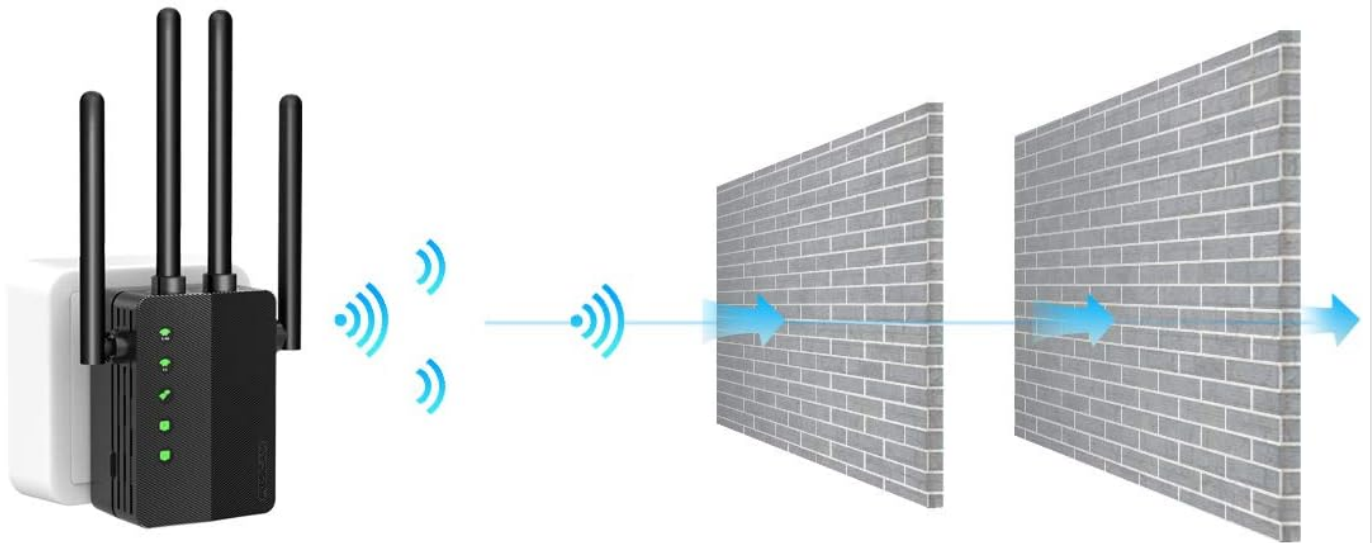


Figure 4.1: Eliminating WiFi Dead Zones

This diagram illustrates how the Foscam WiFi Range Extender boosts your network signal to achieve maximum WiFi coverage and penetration, effectively eliminating dead zones in your home.

Strong signal easily penetrates walls

covering your bedroom, floors, balcony, garage, and garden



bedroom



balcony



baby room

Figure 4.2: Strong Signal Penetration

This image demonstrates the extender's ability to provide strong signal penetration through walls, covering various areas like bedrooms, balconies, and baby rooms.

Universal compatibility and easy to set up

covering your bedroom, floors, balcony, garage, and garden



Figure 4.3: Universal Compatibility

This diagram highlights the universal compatibility of the Foscam WiFi Extender with a wide range of devices, including IP cameras, laptops, phones, tablets, TV boxes, smart TVs, and PCs, across both 2.4GHz and 5GHz bands.

5. MAINTENANCE

To ensure optimal performance and longevity of your Foscam WD-R1200U WiFi Range Extender, consider the following maintenance tips:

- **Placement:** Ensure the extender is placed in a well-ventilated area, away from direct sunlight, heat sources, and obstructions that could block the signal.
- **Cleaning:** Regularly clean the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Firmware Updates:** Check the Foscam official website periodically for firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.
- **Resetting the Device:** If you experience persistent issues or wish to reconfigure the extender from scratch, you can perform a factory reset by pressing and holding the "Reset" button for more than 8 seconds until the lights flash.

6. TROUBLESHOOTING

If you encounter issues with your Foscam WD-R1200U WiFi Range Extender, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/LED indicators off	Power outlet issue, device malfunction.	Ensure the extender is securely plugged into a working power outlet. Try a different outlet. If still no power, contact support.
Cannot connect to extender's SSID	Extender not powered on, incorrect SSID selected, mobile data enabled (for phone setup).	Verify extender is powered on and 2.4G/5G lights are green. Ensure mobile data is off on your phone. Double-check the SSID name.
Cannot access management page (192.168.188.1)	Not connected to extender's network, browser cache issue, IP conflict.	Confirm your device is connected to the extender's SSID. Clear your browser's cache and cookies, or try a different browser. Perform a factory reset if necessary.
No internet after setup	Incorrect host router password, extender too far from router, host router issues.	Verify the password for your main router is correct during setup. Relocate the extender closer to your main router. Check if your main router has internet access.
Weak or unstable extended signal	Poor placement, interference from other devices.	Relocate the extender to an optimal position, ideally halfway between your router and the desired coverage area, using the intelligent signal indicator. Avoid placing near large metal objects or other electronics.





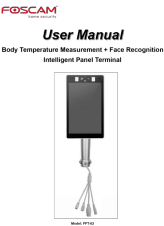

7. SPECIFICATIONS

- **Model:** WD-R1200U
- **Brand:** FOSCAM
- **Wireless Communication Standard:** 802.11a/b/g/n, 802.11ac
- **Data Transfer Rate:** Up to 1200Mbps (300Mbps for 2.4GHz, 880Mbps for 5GHz)
- **Frequency Band Class:** Dual-Band (2.4GHz & 5GHz)
- **Antennas:** Four 2dBi antennas
- **Coverage Area:** Over 1200 sq.ft.
- **Security Protocols:** WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
- **Special Features:** Intelligent Signal Indicator, One Button Setup (WPS), Ethernet Ports
- **Product Dimensions:** 7.28 x 3.74 x 2.17 inches
- **Item Weight:** 5.6 ounces
- **First Available Date:** January 14, 2020

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Foscam website. For technical support or further assistance, please contact Foscam customer service. You can also find additional resources and FAQs on the Foscam support page [Foscam Support](#)

Related Documents - WD-R1200U

	<p>Foscam WiFi Extender WD-R1200U Setup Guide</p> <p>A comprehensive guide to setting up and using the Foscam WiFi Extender Model WD-R1200U, including LED descriptions, setup methods (mobile, PC, WPS), relocation tips, and FAQs.</p>
	<p>FOSCAM Indoor FHD IP Camera User Manual</p> <p>This user manual provides comprehensive instructions for setting up, configuring, and operating the FOSCAM Indoor FHD IP Camera (Models R2, R4, R2C, R2E). It covers wired and wireless connections, remote access, software usage, advanced settings, troubleshooting, and specifications.</p>
	<p>Foscam Quick Setup Guide: Setting Up Your Security Camera</p> <p>A comprehensive guide to setting up your Foscam security camera, covering package contents, physical description, app and PC connection, hardware installation, storage options, safety tips, troubleshooting, and FCC compliance.</p>
	<p>Foscam V5EP, V8EP, V4EC: Kurzanleitung zur Montage und Installation</p> <p>Umfassende Kurzanleitung für die Installation und Konfiguration der Foscam V5EP, V8EP und V4EC IP-Kameras. Enthält Hardware-Beschreibung, App- und PC-Einrichtung, Montagehinweise und Fehlerbehebung.</p>
	<p>Foscam FFT-02 User Manual: Body Temperature Measurement and Face Recognition Intelligent Panel Terminal</p> <p>Comprehensive user manual for the Foscam FFT-02 Intelligent Panel Terminal, detailing its features for body temperature measurement, face recognition, installation, configuration, and software management.</p>
	<p>Foscam Wi-Fi PTZ IP Camera Quick Setup Guide</p> <p>Step-by-step instructions for setting up your Foscam Wi-Fi PTZ IP Camera, covering physical setup, Foscam app connection, PC access via Foscam VMS, troubleshooting, and safety information.</p>