300Mbps Wireless Range Extender
Thank you for purchasing Slopehill 300Mbps Wireless Range Extender. This product is designed to boost your existing Wi-Fi coverage and deliver your Wi-Fi to hard-to-reach corners. This manual will provide you with the instructions for using the extender. Please read the instructions carefully before using the product and keep the manual on file for future reference.

CONTENTS

Package Contents.................................................................................................................... 1
Appearance............................................................................................................................... 1
Specifications .......................................................................................................................... 2
LED Explanation ..................................................................................................................... 2
How to configure ..................................................................................................................... 3
1.Repeater Mode..................................................................................................................... 3
  1.1 Method 1: Via the WPS Button. ................................................................................... 3
  1.2 Method 2: Via wireless connection............................................................................. 3
2.AP Mode .............................................................................................................................. 5
Frequently Asked Questions.................................................................................................. 6
Package Contents

The following items should be found in your package:
• Slopehill 300Mbps Wireless Range Extender
• Ethernet Cable
• User Manual

Note: Make sure that the package contains the above items. If any of the listed items is damaged or missing, please contact your distributor.

Appearance

A: Foldable Extender
B: WPS Button
C: Wi-Fi Indicator
D: Ethernet Cable Indicator
E: Reset Button
F: AC Plug
SPECIFICATIONS

Name: Wireless WIFI Signal Repeater
Model: WF8500
Input voltage: 100-240V 50 / 60HZ
Transmission band: 2.4 GHz band
Network protocol: TCP / IP protocol
RF Features: IEEE 802.11b.g.n
Transmission rate: 300M
USB power output: 5V-1A
Coverage: 175 square meters (maximum)
Product Size: 6 * 8.8 * 5.8cm
Product weight: 147g

LED Explanation

<table>
<thead>
<tr>
<th>When plugged the extender into an electrical outlet...</th>
<th>Wi-Fi Indicator</th>
<th>Status</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Yellow indicator blinks twice then turn to solid red</td>
<td>The extender is on.</td>
</tr>
<tr>
<td>After finished the configuration under Repeater Mode...</td>
<td>Wi-Fi Indicator</td>
<td>Solid Yellow</td>
<td>The extender is connected to your router.</td>
</tr>
<tr>
<td>After finished the configuration under Repeater Mode...</td>
<td>Wi-Fi Indicator</td>
<td>Yellow indicator blinks every 5 seconds</td>
<td>Incorrect password was used during configuration.</td>
</tr>
<tr>
<td>After pressed the WPS button...</td>
<td>Wi-Fi Indicator</td>
<td>Blinking yellow</td>
<td>WPS connection is in process.</td>
</tr>
<tr>
<td>After connected an Ethernet cable to the extender and configure it to AP mode...</td>
<td>Ethernet Cable Indicator</td>
<td>Solid Yellow</td>
<td>The extender is configured to work as an access point.</td>
</tr>
<tr>
<td>After connected an Ethernet cable to the extender and configure it to AP mode...</td>
<td>Ethernet Cable Indicator</td>
<td>Off</td>
<td>The extender failed to recognize your wired network.</td>
</tr>
</tbody>
</table>
How to configure

1. **Repeater Mode** (Boost your existing wireless coverage.)

   1.1 Method 1: Via the WPS Button

   1. Press the WPS button on your host router, and then press the WPS button on the extender within 2 minutes.

   2. Wait until the wireless network indicator changes from blinking yellow to solid yellow, which indicates that the WPS connection is successful. If it doesn’t, please refer to Method Two: Via wireless connection.

   3. Connect to the extended network and enjoy internet. The extended network shares the SAME wireless password as that of your existing network, but will add “-PLUS” to the end of the your existing SSID. (Extended SSID: “your SSID – PLUS”).

   *Note: The WPS connection will failed if your existing network is hidden.*

   1.2 Method 2: Via wireless connection

   1. Plug the Wi-Fi Repeater to a wall socket near your router, and then wait until the Power LED changes to solid on.

   • **For Smartphone Users:**
     
     (1) Enable Wi-Fi features on your device.

     (2) Select the SSID called WF8500-XXXX in the list of available networks.

     (3) Tap Connect. (It is an open network, i.e. no Security Key required.)
300Mbps Wireless Range Extender

- **For Windows Users:**
  1. Unplug the Ethernet cable from your computer (if any).
  2. Click the Wi-Fi icon on the task bar and connect to the extender’s network: WF8500-XXXX. (It is an open network, i.e. no Security Key required.)

- **For Mac Users:**
  1. Unplug the Ethernet cable from your computer (if any).
  2. Click the Wi-Fi icon in the top right corner of the screen, and connect to the extender’s network: WF8500-XXXX. (It is an open network, i.e. no Security Key required.)

2. Launch a web browser, enter http://192.168.16.1 in the address field, when prompts for Username and Password, use "admin" and "admin" without the quotes respectively.

3. Choose “Repeater Mode”, Select your existing router’s 2.4GHz SSID (network name), enter its password (NOT the password “admin” for logins). Verify the password you entered was exactly the same as your existing network, click “Save”.

4. Connect to the extended network and enjoy internet. The extended network shares the SAME wireless password as that of your existing network, but will add “-PLUS” to the end of the your existing SSID. (Extended SSID: “your SSID -PLUS”).
Note 1: Password and SSID for the extended network is not customizable.

Note 2: Since the performance of the extended network will be affected by the distance between extender and host router, we highly recommend you to keep the extender within the wireless coverage of your existing router.

2. AP Mode
(Convert existing wired network to a wireless one.)

1. Unplug the Ethernet cable from the extender (if any).

2. Plug the Wi-Fi Repeater to a wall socket near your computer. Visit http://192.168.16.1 and log in with “admin” for both user name and password.

3. Select “AP Wizard”. Either keep the default SSID (network name) or customize it for the new wireless network.

4. Either customize the password or keep it unencrypted.

5. Select “Auto” for the Channel field.

6. Verify your settings and click “Save”.

7. After rebooting, connect the extender to your modem or wired router via an Ethernet cable.

8. Connect to the new wireless network and enjoy internet.
Troubleshooting

1. How to reset the extender to its factory default settings?
With the extender powered on, press and hold the RESET button for about 5 seconds until the wireless network yellow indicator turns off, then release the button.

2. Why doesn’t the wireless network indicator turn to solid yellow up after I completed configured it as a repeater?
• You may have entered an incorrect Wi-Fi password of your host network during the configuration. Reset the extender and go through the configuration again. Make sure you have entered the exactly same password as your existing wireless network.
• The extender may be out-of-range. Please move it closer to the router.

3. What can I do if I cannot access the web management page?
This can happen for a variety of reasons. Please try the methods below to log in again:
• Make sure your computer is connected to the extended network.
• Make sure your computer is configured as Obtain an IP address automatically and Obtain DNS server address automatically.
• If the extender is connected to the router, you should go to your router’s DHCP client list to obtain the extender’s current IP address and use the IP address to access the extender.
• Reset the extender. Then connect your computer to its wireless network, enter http:// 192.168.16.1 in a web browser and press Enter.
4. I enabled wireless MAC filter, wireless access control, or access control list (ACL) on my router, what should I do to configure and use the extender?

When a device connects through the extender to your router, the MAC address of the device shown on the router is translated to another MAC address. If your router’s MAC filter, wireless access control, or ACL is enabled, the devices connected to the extender cannot get an IP address from the extender and cannot access internet.

To solve this problem, please follow the steps below:

1. Log in to your router and disable the MAC filter, wireless access control or ACL.
2. Power on your extender, configure the extender to work under “repeater mode” and make sure it is connected to your existing router.
3. Connect all of your devices to the extended network, and make sure they can access internet.
4. On your router, add all the Online Devices’ MAC addresses to your router’s MAC filter table.
5. Enable the router’s MAC filter, wireless access control, or ACL to complete the configuration.

5. Why is it recommended that I only connect to the Extender when the existing network does not provide good connection?

Because data traffic routed through the Extender is inherently slower than traffic routed directly from the existing network, your devices should stay on the existing network if the connection is good enough.
6. Why are my wireless devices not detecting the Network Name (SSID) of the extended network?

1. Please try rebooting your extender and try connecting again.
2. If you are using the extender under AP mode, please make sure it is broadcasting its SSID.
3. Please make sure the extender is getting sufficient power supply.
4. Make sure your device is still in the range of your extender, try moving closer if you are currently too far away.

7. Will the extender work if I connect the ethernet port of it to the router via Ethernet cable?

Sorry, it won’t. The extender is designed to connect wirelessly to the router, while the ethernet port is designed to connect with a working ethernet cable and enable the extender to work under AP mode.

8. Why does the wireless transmission rate speed down, while the wireless signal is stronger after repeated by the extender?

In compliance with the wireless transmission protocol, all the Extender devices are set to work in half-duplex instead of full-duplex mode. In other words, the Range Extender has to process one-way communication between your host router or AP and the terminal clients; so, the transmission time will be double-increased, while the speed will be decreased. We recommend that you connect to the Range Extender when your home network connection is poor, or when you want a larger wireless coverage to eliminate “dead zones”.