



150Mbps Wireless N Portable Router Quick Installation Guide

### 1.Package Contents

### 2. Hardware Information

Note: Different power plug is provided for different region. Here we take US version for example.

LED Status	Indication
Solid on	System is running.
Flashing	Data is transmitting. Or WPS is pairing with remote device.
Off	Power is off.

Hardware	Description
Extender Router switch	This switch is for changing the operation mode of WF2416.
LAN/WAN port	It is LAN port in AP, WISP, Wi-Fi Extender mode, while it is WAN port in AP Router mode.
WPS button	WPS is for quick wireless security setup and also for extending existing wireless range with one click.
Default button	This button is for resetting the router to factory defaults.

1

150Mbps Wireless N Portable Router Quick Installation Guide

### 3. Typical Applications

**(1) AP Router Mode (Default mode)**  
The WF2416 can be connected to a DSL or cable modem and works as a regular wireless router.

**(2) AP Mode**  
The WF2416 is connected to a network by wired and transforms the wired network into wireless so that multiple wireless devices can share the network.

2

150Mbps Wireless N Portable Router Quick Installation Guide

**(3) WISP Mode**  
The WF2416 is connected wirelessly to an ISP's Wi-Fi Station, acting as a gateway and sharing the Internet access to multiple devices.

**(4) Wi-Fi Extender Mode**  
The WF2416 copies and boosts the root wireless signal to extend the coverage of the signal.

3

150Mbps Wireless N Portable Router Quick Installation Guide

### 4. Router Configurations

**Step 1 Connecting your computer to WF2416 wirelessly.**  
Please click on the "Wireless Network Connection" icon (for Windows) or "Airport/Wi-Fi" icon (for MAC OS) on the task bar/menu bar. Double click on "netis" and click on "Connect" button, then type in "password" as the wireless security key.

**Step 2 Login to the router.**  
Open a web browser and type in <http://192.168.100.1>.

4

150Mbps Wireless N Portable Router Quick Installation Guide

### Step 3 Configure the router.

Select the Operation Mode you need from the pull-down menu.

Note: The configuration includes "Internet settings" and "Wireless settings", if you choose "AP", please go to Wireless Settings directly.

#### Internet settings

**AP Router Mode:** Select the correct Connection Type.

**PPPoE:** Select "PPPoE" when:  
1. WF2416 is connected to a DSL pure modem.  
2. Got username & password from ISP.  
3. Broadband connection is needed on PC when bypassing WF2416.

**DHCP:** Select "DHCP" when:  
1. WF2416 is connected to a cable modem/DSL modem router.  
2. Internet works directly on PC when bypassing WF2416.

**Static IP:** Select "Static IP" when:  
1. Got IP Address, Subnet Mask, Default Gateway, DNS Server from ISP.

**WISP Mode:** Select target network and Connection Type.  
1. Click "AP Scan" button to select your target network and click "Connect" button.  
2. Type in the wireless security info of the target network.  
3. Select connection type. (Please refer to "Internet Settings" → "AP Router Mode")

5

150Mbps Wireless N Portable Router Quick Installation Guide

#### Wireless settings

Setup a wireless network name in "SSID" box, it is recommended to use WPA-PSK/WPA2-PSK for "Security" and set a wireless network key in the "Password" box, then click "Save" button.

Note: The DHCP Server will be disabled after switching to "AP" mode successfully, so you will have to set a static IP address for your PC first if you need to login to the web-based management page again. Please refer to "Tip 1" for how to setup a static IP for PC.

### Step 4 Connect your wireless devices to WF2416 to get Internet Access.

For example, on Windows 7, click on the Wireless Network Connection icon and select the name you set for WF2416 and type in the password you created.

6

150Mbps Wireless N Portable Router Quick Installation Guide

### 5. Extender Configurations

Note: Please make sure that the WPS feature is Enabled on your main router. If the main router is unsecured, router's WPS feature will generate a random SSID & Password automatically. For this case, please contact the technician of your main router for help.

**Step 1** Plug in the WF2416.  
**Step 2** Press the "WPS" button on your existing router. Please refer to the instructions of the existing router for detailed way to use the WPS button.  
**Step 3** Press the "WPS" button on WF2416 for 1s and wait for 1 minute and check if the signal strength of your wireless network got boosted or not.

Note: If you need to do advanced settings, please refer to "Tip 1" to set a static IP for your PC first and refer to "Router Configurations" > "Step1 & Step2" to login to the web-based management page.

**Tip 1: Setup a Static IP for PC**  
Manually set the IP address of the wired network adapter on your computer as below:  
**IP Address/IPv4 Address:** 192.168.100.x (1 < x < 255)  
**Subnet Mask:** 255.255.255.0  
**Default Gateway/Router:** 192.168.100.1

**For Windows 8/7/Vista**  
1) Go to "Settings" (for Windows 8) / "Start" (for Windows 7/Vista) > "Control Panel".  
2) Left-click on "Network and Internet" > "Network and Sharing Center" > "Change adapter settings" (for Windows 8/7) / "Manage network connections" (for Windows Vista).  
3) Right-click on "Local Area Connection" and left-click on "Properties".  
4) Double-click on "Internet Protocol Version 4 (TCP/IPv4)".  
5) Select "Use the following IP address" then left-click on "OK".

**For Windows XP/2000**  
1) Go to "Start" > "Control Panel".  
2) Left-click on "Network and Internet Connections" > "Network Connections".  
3) Right-click on "Local Area Connection" and left-click on "Properties".  
4) Double-click on "Internet Protocol (TCP/IP)".  
5) Select "Use the following IP address" then left-click on "OK".

**For MAC OS**  
1) Click on the "Apple" menu > "System Preferences".  
2) Click on the "Network" icon.  
3) Click on "Ethernet" in the left side box and click on "Advanced" in the lower right corner.  
4) In the top options, select "TCP/IP".  
5) In the pull-down menu next to "Configure IPv4" select "Manually".  
6) Fill in the "IPv4 Address/Subnet Mask/Router" parameters, and click "OK" then "Apply".

7

150Mbps Wireless N Portable Router Quick Installation Guide

### Troubleshooting

**Q: How do I restore my netis WF2416 to default settings?**  
**A:** With the router powered on, holding "Default" button for 8s-10s with a pin to restore it to factory defaults.

**Q: What can I do if fails to extend the wireless range by "WPS" button?**  
**A:**  
1) Refer to "Tip1" to set a Static IP address for your PC and connect the WF2416 to your PC.  
2) Open a web browser and login to <http://192.168.100.1>  
3) Click "AP Scan" button to select the existing router and click "Connect" button. Type in the wireless security info of the existing router.  
4) Under "Wireless Setup", you may setup a wireless network name in "SSID" box, it is recommended to use WPA-PSK/WPA2-PSK for "Security" and set a wireless network key in the "Password" box, then click "Save" button.

8

### Appendix : FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
—Reorient or relocate the receiving antenna.  
—Increase the separation between the equipment and receiver.  
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
—Consult the dealer or an experienced radio/TV technician for help.

### FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Caution!**  
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Technical Support:**  
USA/ Canada  
Toll Free: +1 866 711 network (+1 866 716 3896)  
E-mail: [usa\\_support@netis-systems.com](mailto:usa_support@netis-systems.com)

**Other Regions:**  
E-mail: [support@netis-systems.com](mailto:support@netis-systems.com)

NETIS SYSTEMS CO., LTD.  
[www.netis-systems.com](http://www.netis-systems.com)  
MADE IN CHINA

9