

HooToo Powerline Adapter



Model NO.: HT-ND003

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4. Troubleshooting

1 Product Overview

Thank you for purchasing the **HooToo Powerline Adapter**. Please read this manual carefully and keep it in a safe place for future reference. If you need any further assistance, please contact our customer support team or email us at **support@hootoo.com**.

1.1 Introduction

The HooToo Powerline Adapter is a 600Mbps powerline Ethernet adapter which transforms your home's existing electrical wiring into a comprehensive networking system. The HooToo Powerline Adapter also functions as a 300Mbps Wi-Fi Access Point which creates a wireless network allowing for greater range and mobility.

- The powerline function offers a data rate of 600Mbps and full multimedia application that can easily be supported throughout the whole house.
- As a Wi-Fi Access Point, it can transmit wireless data at the rate of up to 300 Mbps.
- Multiple protection measures including SSID broadcast control, wireless LAN WEP encryption, and Wi-Fi Protected Access (WPA2-PSK, WPA-PSK) that delivers complete data privacy.
- > Supported by an easy, Web-based management utility.

1.2 Package Includes

- 1. 1 x HooToo Powerline Adapter (HT-ND003)
- 2. 1 x Ethernet Cable
- 3. 1 x User Guide







1.3 Product Diagram



1.4 LED Indicator

The LED indicator displays information about the device's status.

| LEDs | Names | Status | Indications |
|------|--------------------------|---------------------|---|
| | | Solid | The device is on. |
| (1) | Power LED | Off | The device is off. |
| | | Blinking | The device is in the pairing procedure. |
| | | Blinking | The Ethernet port is connected. |
| 60 | Ethernet LED | Off | The Ethernet port isn't connected. |
| 介 | Powerline | Solid | The device is connected to a powerline network, but there is no data being transferred. |
| | | Off | The device isn't connected to any powerline network |
| | Wi-Fi/Wi-Fi Clone LED | Off | The wireless function has been disabled. |
| (· | | Blinking Quickly | The wireless function has been enabled. |

1.5 Physical Interfaces

| There are three physical interfaces | on the HooToo Powerline Adapter. |
|-------------------------------------|----------------------------------|
|-------------------------------------|----------------------------------|

| Item | Description |
|----------------------------|--|
| Ethernet Port | Two 10/100Mbps Ethernet ports connected to a PC LAN card or broadband device. |
| RST Port / Reset Button | When the adapter is powered on, use a pin to press and hold the Reset button for 10 seconds until all LEDs go Off. When the Power LED turns on and the Wi-Fi LED starts to blink rapidly, the reset process is complete. |
| Power Plug | A power plug connected to any (100V–240V~, 50/60Hz) power socket. |

Note: If you press the Pair Button for more than 7 seconds, the extender will disconnect from the network it is associated with. Please repair again, and its network will restore.

2 Connecting

2.1 Connection Instruction

To ensure the optimum performance of the Powerline Adapter and to significantly improve the transmission capacity of the network, we recommend that you comply with the following connection rule: **Plug the HooToo Powerline Adapter directly into a wall socket (not a multiple socket adapter)**.



2.2 Hardware Connection – Computer

Please make sure that your PC can successfully access the Internet via the router. Then connect the powerline devices by following the instructions below.

Step 1: Connecting to the Internet

This section describes how to connect the HooToo Powerline Adapter to your existing network.

Follow the procedures described below:

- 1. Connect one end of an Ethernet (RJ45) cable to the Ethernet port of the powerline adapter or a compatible powerline adapter.
- 2. Connect the other end of the Ethernet (RJ45) cable to an available Ethernet port of your wireless router.
- 3. Plug the powerline adapter or powerline extender into a wall socket.
- 4. Check and confirm the LEDs status. (The Power LED and Ethernet LED on the powerline device should be ON).

The hardware connection mechanism is shown below:



Note:

Do not connect the powerline adapter to an extension lead, power strip, extension cord, or surge protector, as these may degrade the network performance.

Step 2: Connecting To Your Computer

The following steps are needed to properly connect the powerline adapter to your computer:

1. Connect one end of the provided Ethernet (RJ45) cable to the powerline adapter's Ethernet port.

- 2. Connect the other end of the Ethernet (RJ45) cable to your computer's LAN port.
- 3. Plug the powerline adapter into a wall socket next to the computer.
- 4. Turn on your computer.
- 5. Check and confirm that the Power LED and Ethernet LED on the powerline adapter are ON.

The hardware connection mechanism is shown below:



As soon as the powerline devices are connected, a powerline network is available.



Now the powerline adapter is ready for use for both wired and wireless connections. No password is needed for the wired network – simply use an Ethernet to connect to other devices. The default password for the wireless connection is: 11111111 (eight ones).

3 Configuring the Device

3.1 Log in to the Router

If the adapter is already connected to a network, you can access the browser-based utility at: plc.hootoo.com. Press "Enter".



3.2 Quick Setup



Router: The Ethernet port will behave as a WAN port for a wired connection to an ADSL or Cable modem. The NAT routing will be performed between the WAN and WLAN to make IP sharing possible.

WISP: In this mode, the AP will behave as client. The router function will also be added between the wireless WAN side and the Ethernet LAN side. Therefore, the WISP subscriber can share the WISP connection without the need for an extra router.

AP: The most basic mode is Access Point. In this mode, the AP will act as a central hotspot for different wireless LAN clients.

3.3 Router

In Router mode, a wired connection can be made to an ADSL or Cable Modem via the WAN port to share the Internet to local wireless and wired networks.

1. If you want to set the adapter in Router mode, choose Router, and then click the "NEXT" button.

| HooToo | | |
|--|---|--|
| Quick Setup Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools | QuickSetup Please select operation mode for CPE: Routler: Wired connect to ADSL/Cable Modern via WAN port and share Internet to local wireless and wired network. WISP: Wirelessly connect to ISP station/hotspot to share Internet to local wireless and wired network. AP: Transform your existing wired network to a wireless network. Image: Network of the image o | Help Router: The Ethernet port will behave as a WAN port for wired connection to ADSL or Cable modem: The NAT routing will be performed between the WAN and WLAN. Making IP sharing possible. WISP: In this mode, the AP will behave as client in addition, router function is added between the wireless WAN side and the Ethernet LAN side and the Ethernet LAN side and the Ethernet LAN side Therefore; the WISP subscriber can share the WiSP |
| | | AP: The most basic mode of multi-function is Access Point. In this mode, the AP will act as a central hotspot for different wireless LAN clients. |

2. Choose the connection type then click the "NEXT" button.

| HooToo | | |
|--|--|---|
| Quick Setup Quick Setup System Status Network Settings ULAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools | WAN Settings Please select WAN connection type, then enter the PPPOE acount or IP address provided by ISP, and click Next to continue. Connection Type Dynamic IP Back NEXT | Help Router:The Emernet port will behave as a WAN port for wired connection to ADSL of Cable modem. The NAT routing WAN and WLAN. Making IP sharing possible. WISP: in this mode, the AP will behave as client in addition, router function is added between the wireless WAN side and the Ethernet LAN side Therefore, the WISP soncetion without the need of extra router. AP:The most basic mode of multication is Access Point in this mode, the AP will act as a central hotspot for different wireless LAN clientis. |

Static IP: If your broadband ISP provides you a static IP, please select Static IP mode.

Dynamic IP: If your ISP uses DHCP server, please select DHCP and your ISP will automatically assign these values to you (includes the DNS server).

PPPoE: Inquire with your ISP to make sure you can use PPPoE. Enter your username and password provided by your ISP.

3. In this setting, you can set the wireless name and wireless password for your local network. Then click the "NEXT" button. You have configured the adapter to work as a router. Click the "Save" button to confirm the settings.

| | Wireless Settings | | | | Hel |
|--|--|--|----------------------|------------------------------|---|
| Setup | This sector is used to set wireless petwerk pa | me and wireless password for your la | and notwork places | romombor the wife personand | Router: The Ethe |
| | This sector is used to set wretess network ha | | cal network, piease | remember me win password. | behave as a WAN wired connection |
| Status | SSID | HT_BUBD84 | | | Cable modem.Th |
| k Settings | Channel | AutoSelect | • | | WAN and WLAN. |
| Settings | Security Mode | WPA2 - Personal | ~ | | sharing possible. |
| ttings | | | | | behave as client. |
| Setting | Pass Phrase | | | | router function is between the wirel |
| | | | | | side and the Ethe side.Therefore, th |
| ontrol | | Back | | | subscriber can sh |
| TOOIS | | | | | extra router. |
| | | | | | AP:The most bas |
| | | | | | In this mode, the |
| | | | | | a central hotspot wireless LAN clie |
| | | | | | |
| | | | | | |
| Too | | | | | |
| Too | | | | | |
| Too | Congratulations! | | | | Hel |
| a Taa | Congratulations! | | | | Hel |
| ITEE etup Setup | Congratulations! You are configuring the device to work as Ro activate the congliuration. | uter mode . If you have confirmed set | tings,please click S | ave to reboot the device and | Hel Router:The Eth behave as a WA |
| ETEE etup Setup Status | Congratulations! You are configuring the device to work as Ror activate the congliuration. | uter mode . If you have confirmed set | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WAI wired connection Cable modem.TT |
| etup Setup Status Settings | Congratulations! You are configuring the device to work as Rov activate the congliuration. | uter mode . If you have confirmed set Back Save | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WAI wired connection Cable modem. Th will be performed WAN and WLAN |
| etup Setup Status Settings | Congratulations! You are configuring the device to work as Ror activate the congliuration. | uter mode . If you have confirmed set Back Save | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WAI wired connection Cable modern.Th will be performed WAN and WLAN sharing possible. |
| etup Setup Status Settings iettings | Congratulations! You are configuring the device to work as Ror activate the congliuration. | uter mode . If you have confirmed set Back Save | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WAI wired connection Cable modem. Tr will be performed WAN and WLAN sharing possible. WISP:In this moo behave as client. |
| etup Setup Status Settings settings tings ietting | Congratulations! You are configuring the device to work as Ror activate the congfiuration. | uter mode . If you have confirmed set Back Save | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WA wired connection Cable modem. Tr will be performed WAN and WLAN sharing possible. WISP:In this moo behave as client. router function is behave as client. |
| etup Setup Status Status settings ttings setting | Congratulations! You are configuring the device to work as Ro activate the congliuration. | uter mode . If you have confirmed set Back Save | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WA wired connection Cable modem.Tr will be performed WAN and WLAN sharing possible. WISP:In this moo behave as client. router function is between the wire side and the Ethe |
| etup Setup Status Status settings settings setting sietting | Congratulations! You are configuring the device to work as Ror activate the congliuration. | uter mode . If you have confirmed set Back Save | tings,please click S | ave to reboot the device and | Hel Router-The Ethe behave as a WAI wired connection Cable modern. Th will be performed WAN and WLAN sharing possible. WISP:In this moo behave as client. router function is between the wire side and the Ethe side. Therefore, th subscriber can sh |
| etup Setup Status cs Ettings settings setting setting setting control Tools | Congratulations! You are configuring the device to work as Ror activate the congfiuration. | uter mode . If you have confirmed set | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WAI wired connection Cable modem. Tr will be performed WAN and WLAN sharing possible. WISP:In this moo behave as client. router function is between the wire side and the Ethe side. Therefore, ti subscriber can al connection witho extra router. |
| etup Setup Status Settings tings tetting ontrol Tools | Congratulations! You are configuring the device to work as Reactivate the congliuration. | uter mode . If you have confirmed set Back Save | tings,please click S | ave to reboot the device and | Hel Router:The Ethe behave as a WA wired connection Cable modem. TI will be performed: WAN and WLAN sharing possible. WISP:In this mon behave as client. router function is between the wire side and the Ethe side. Therefore, It subscriber can si connection witho extra router. AP: The most ba |
| etup Setup Setup Status - Settings - Settings - Setting - Setting | Congratulations! You are configuring the device to work as Ror activate the congfiuration. | uter mode . If you have confirmed set | tings,please click S | ave to reboot the device and | Hel Router: The Ethe behave as a WAI wired connection Cable modern. Th will be performed WAN and WLAN sharing possible. WISP: In this moc behave as client. router function is between the wire side and the Ethe side. Therefore, It subscriber can si connection witho extra router. AP: The most bas multi-function is A In the mode The |
| stup Setup Setup Settings ettings etting ontrol | Congratulations! You are configuring the device to work as Ror activate the congfiuration. | uter mode . If you have confirmed set | tings,please click S | ave to reboot the device and | Hel Router: The Ethe behave as a WA wired connection Cable modem. Tr will be performed WAN and WLAN sharing possible. WISP: In this moo behave as client. router function is between the wire side and the Ethe side. Therefore, th subscriber can si connection witho extra router. AP: The most bas multi-function is / in this mode, the a central hotspot |

3.3.1 WISP

In WISP mode, wirelessly connect to an ISP station/hotspot to share Internet to local wireless and wired networks.

1. If you want to set the adapter in WISP mode, choose WISP, then click the "NEXT" button;

| | QuickSetup | Help |
|-----------------|--|---|
| | Please select operation mode for CPE: | Router: The Ethernet port w |
| Quick Setup | Router Wired connect to ADSL/Cable Modern via WAN port and share Internet to local wireless and wired network. | wired connection to ADSL of |
| ystem Status | WISP Wirelessly connect to ISP station/hotspot to share Internet to local wireless and wired network. | Cable modem. The NAT rou will be performed between t |
| etwork Settings | ○ AP Transform your existing wired network to a wireless network. | WAN and WLAN. Making IF |
| LAN Settings | | sharing possible. |
| AN Settings | NEXT | WISP: In this mode, the AP behave as client In addition |
| xpert Setting | | router function is added |
| outing | | side and the Ethernet LAN |
| affic Control | | side. Therefore, the WISP |
| ystem Tools | | connection without the need |
| | | AP:The most basic mode of |
| | | multi-function is Access Po In this mode, the AP will ac |
| | | a central hotspot for differe wireless LAN clients. |
| | | |
| | | |

2. Click Open Scan to search Wi-Fi signal. Select your Wi-Fi and enter the password, then click NEXT.

| HooToo | | | | | | |
|--|--|--|--|--|--|--|
| Quick Setup Quick Setup System Status Network Settings LAN Settings LAN Setting Routing Traffic Control System Tools | Help Router: The Ethernet port will behave as a WAN port for wired connection to ADSL or Cable modem. The NAT routing will be performed between the WAN and WLAN. Making IP sharing possible: WISP: In this mode, the AP will behave as client in addition, router function is added between the wireless WAN side and the Ethernet LAN side Therefore, the WISP subscriber can share the WISP subscriber ca | | | | | |
| | ~ | | | | | |

| HooToo | | | | | | | | |
|--|--------------------------------------|--|--|-----------------|-------------------|----------------------|----------------|---|
| Quick Setup Quick Setup System Status Network Settings WLAN Settings System Tools | Rer Please switch to continue. | note Settings on Scan button or click Rescan Remote SSID Channel Security Mode | to scan the wireless sig AutoSelect Disable Back Close S | nal, then selec | t the remote AP y | iou want to connect, | and click Next | Help Router: The Ethernet port will behave as a VAN port for wired connection to ADSL or Cable modern. The NAT routing will be performed between the WAN and WLAN. Making IP sharing possible. WISP: In this mode, the AP will behave as client. In addition, router function is added between the wireless WAN side and the Ethernet LAN side Therefore, the WISP connection without the need of extra router. AP: The most basic mode of multi-function is Access Point. |
| | Choose | SSID | MAC | Channel | s | Security | Signal | In this mode, the AP will act as a central hotspot for different |
| | 0 | vYou_taotronicscamera | 3c:33:00:2b:e7:f9 | 4 | WPA | A2PSK/AES | 100 | wireless LAN clients. |
| | 0 | Sunvalley-Office | dc:ce:c1:63:28:70 | 5 | WPA | A2PSK/AES | 100 | |
| | \sim | WV Sunvallay Quart | de:ea:e1:63:38:71 | 5 | \//D/ | | 100 | |

| HooToo | | | | | | ^ |
|--|-----------------------------|-------------------------------------|---------------------------|-------------------------|------------|--|
| Quick Setup | Remote Settings | scan to scan the wireless signal | then select the remote AP | you want to connect and | click Next | Help Router:The Ethernet port will |
| Quick Setup System Status Network Settings | to continue. Remote SSIE | D NETGEAR62 | |] | | behave as a WAN port for wired connection to ADSL or Cable modem. The NAT routing will be performed between the |
| WLAN Settings | Channe | 2462MHz (Channel 11) | × | | | WAN and WLAN. Making IP sharing possible. |
| Expert Setting | Security Mode | e WPA2 - Personal s • AES O TKIP | × | | | behave as client. In addition, router function is added between the wireless WAN |
| Traffic Control | Pass Phrase | e | | | | side and the Ethernet LAN side.Therefore, the WISP subscriber can share the WISP |
| System Tools | | Back NE Close Scan | хт | | | extra router. AP: The most basic mode of multi-function is Access Point. In this mode, the AP will act as a central hotspot for different wireless LAN clients. |
| | Choose SSID | MAC | Channel | Security | Signal | |

3. Set the pass phrase of the Wi-Fi of the adapter, then click the "NEXT" button. (Default pass phrase: 1111111)

| HooToo | | | | | î |
|--|--|--|-------------------------|---------------------------|--|
| Quick Setup Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools | Wireless Settings This sector is used to set wireless network nar SID Channel Security Mode Pass Phrase | me and wireless password for your HT_B0BD84 AutoSelect WPA2 - Personal •••••••• Back NEXT | ocal network please red | member the wifi password. | Heip Router: The Ethernet port Hill behave as WAN port for wired connection to ADSL or cable modern. The NAT routing will be performed between the wan and WLAN. Making IP sharing possible. WISP: In this mode, the AP will behave as client. In addition, router intention is addeed between the wireless WAN side: Therefore, the WISP connection without the need of extra router. |

4. You are configuring the device to work in WISP mode. If you have confirmed the settings, please click the "Save" button to reboot the device and activate the configurations.

| | Congratulations! | Help |
|------------------|--|---|
| Quick Setup | o o ngi u da da no no | Reuter The Ethernet port |
| | You are configuring the device to work as WISP mode. If you have confirmed settings, please click Save to reboot the device and activate the congliuration. | behave as a WAN port for wired connection to ADSI |
| System Status | | Cable modem. The NAT re |
| Network Settings | Back Save | will be performed between WAN and WLAN. Making |
| VLAN Settings | | sharing possible. |
| AN Settings | | WISP:In this mode, the A |
| Expert Setting | | router function is added |
| Routing | | between the wireless WA |
| raffic Control | | side Therefore, the WISP |
| System Tools | | subscriber can share the connection without the ne |
| | | extra router. |
| | | AP:The most basic mode |
| | | In this mode, the AP will a |
| | | a central hotspot for differ |

3.3.2 AP Mode

In AP mode, you can translate your existing wired network to a wireless network.

1. If you want to set the adapter in AP mode, choose AP, then click the "NEXT" button.

| HooToo | | ^ |
|---|---|--|
| Quick Setup Quick Setup System Status Network Settings WLAN Settings LAN Setting Expert Setting Routing Traffic Control System Tools | CucickSetup Please select operation mode for CPE: Routler WisP WisP wirelessity connect to ADSL/Cable Modern via WAN port and share internet to local wireless and wired network. WISP WisP wirelessity connect to ISP station/hotspot to share internet to local wireless and wired network. IP P Transform your existing wired network to a wireless network. | Help Router: The Ethernet port will behave as a WAN port for wired connection to ADSL or Gable modem. The NAT routing will be performed between the WAN and WLAM Making IP sharing possible. WISP: In this mode, the AP will behave as client in addition, router function is added between the wireless WAN side. Therefore, the WISP subscriber can share the WISP concecton without the need of extra router. |

2. In Wireless Settings, you can set the wireless network name and wireless password for your local network, please remember the Wi-Fi password. When you finish the settings, click NEXT.

| HooToo | | | | | |
|--|---|---|-----------------------------------|---------------|--|
| Quick Setup Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools | Wireless Settings This sector is used to set wireless network nar SSID Channel Security Mode Pass Phrase | me and wireless password for your lo HT_B0BD84 AutoSelect WPA2 - Personal Back NEXT | cal network,please remember the v | wff password. | Help Router: The Ethernet port will behave as a WAN port for wired connection to ADSL or Cable modem: The NAT routing will be performed between the WAN and WLAN. Making IP sharing possible. WISP: In this mode, the AP will behave as client. In addition, router function is added between the wireless WAN side and the Ethernet LAN side and the Ethernet LAN side and the Ethernet LAN side and the Ethernet LAN side Therefore, the WISP subscriber can share the WISP connection without the need of extra router. AP: The most basic mode of multi-function is Access Point. In this mode, the AP will act as a central hotspot for different wreferse 1 AN r/lents |
| | | | | | mildess Enir Giolits. |

3. You are configuring the device to work in AP mode. If you have confirmed the settings, please click the "Save" button to reboot the device and activate the configurations.

| HooToo | | , |
|--|--|--|
| Quick Setup Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools | Congratulations! You are configuring the device to work as AP mode . If you have confirmed settings, please click Save to reboot the device and activate the congfiuration. Back Save | Help Rotter: The Ethernet port will behave as a WAN port for wired connection to ADSL or Cable modern. The NAT routing will be performed between the WAN and WLAN. Making IP sharing possible. WISP: In this mode, the AP will behave as client. In addition, router function is added between the wireless WAN side and the Ethernet LAN side: Therefore, the WISP connection without the need of extra router. AP: The most basic mode of multi-function is Access Point. In this mode, the AP will act as a central hotspot for different wireless LAN clients. |

3.4 System Status

3.4.1 System Status

| HooToo | | | |
|------------------|-------------------|--------------------------------|------------------------------|
| | | | |
| | System Status | | Help |
| Quick Setup | | | Running time: Total time the |
| System Status | Connected Clients | 1 | router is turned on. |
| System Status | System Version | HT-ND003H010V001R001C01B225_ML | System Version: Firmware |
| WAN Status | | | VEISION |
| LAN Status | Running time | 0day(s)00:00:26 | |
| Wireless Status | System Time | 01-01-2015 Thu 08:00:26 | |
| Network Settings | | | |
| WLAN Settings | | | |
| LAN Settings | | | |
| Expert Setting | | | |
| Routing | | | |
| Traffic Control | | | |
| System Tools | | | |
| | | | |
| | | | |
| | | | |

Connected Clients: Display the number of the connected clients. Display System Version, Firmware Version, and Running Time Running Time is the total time the Range Extender is turned on.

| | Network Status | | Help |
|-----------------------------------|------------------------|-------------------|--|
| Quick Setup | INELWOIK Status | | |
| System Status | Connection Type | Dynamic IP | connection Type: Displays the current access mode W/ port. |
| System Status | Connection Status | Disconnect | Connection Duration: Acce |
| WAN Status | WAN MAC Address | 00:16:FB:B0:BD:87 | method for dynamic IP or PPPOE server and router ar ISP connection is properly |
| Wireless Status | WAN IP | 0.0.0.0 | timed. |
| Network Settings WLAN Settings | Subnet Mask | 0.0.0.0 | WAN MAC Address: MAC address of your ISP's router see. |
| LAN Settings | Gateway | 0.0.0.0 | |
| Expert Setting | Primary DNS Server | 0.0.0.0 | |
| Routing | Secondary DNS Server | 0.0.0.0 | |
| Traffic Control | Secondary Divis Server | 0.0.0.0 | |
| System Tools | Connection Duration | 0day(s)00:00:00 | |
| | | | |

3.4.2 WAN Status

Connection Type: Displays the current access mode WAN port. Connection Status: It displays the connection status. WAN MAC Address: It displays the Adapter's WAN MAC address WAN IP: IP address obtained from ISP. Subnet mask: Obtained from ISP. Gateway: Obtained from ISP. Primary DNS server: Obtained from ISP. Second DNS server: Obtained from ISP. Connection Duration: The connection of dynamic IP or PPPOE to router and ISP is simultaneously timed.

Note: WAN Status only exists in WISP Mode and Router Mode.

| | LAN Status | | Help |
|------------------|-----------------|-------------------|--|
| Quick Setup | ID Address | 10 10 10 251 | DHCP Server: If the rout |
| System Status | IP Address | 10.10.10.201 | a DHCP server, here sho enabled.Otherwise disab |
| System Status | Subnet Mask | 255.255.255.0 | |
| WAN Status | DU02 0 | Disable | |
| LAN Status | DHCP Server | Disable | |
| Wireless Status | LAN MAC Address | 00:16:FB:B0:BD:86 | |
| Network Settings | | | |
| WLAN Settings | | | |
| AN Settings | | | |
| Expert Setting | | | |
| Routing | | | |
| raffic Control | | | |
| System Tools | | | |

3.4.3 LAN Status

IP address: The Router's LAN IP address (not your PC's IP address).The default value is 10.10.10.251; you can change it when necessary. Subnet Mask: The Router's LAN subnet mask. The default value is 255.255.255.0

DHCP Server: If the router is a DHCP server, it will show as enabled. Otherwise it will be disabled.

LAN MAC Address: It displays the Adapter's LAN MAC address.

3.4.4 Wireless Status

This section displays the devices wireless information.

| | Wireless Status | | Help |
|------------------|-----------------|-------------------|----------------------------|
| Quick Setup | | | Display the device's wirel |
| System Status | SSID Name | HT_B0BD84 | information. |
| System Status | BSSID | 00:16:FB:B0:BD:84 | |
| WAN Status | | | |
| LAN Status | Channel | 11 | |
| Wireless Status | Security Mode | WPA2 - Personal | |
| Network Settings | | | |
| WLAN Settings | | | |
| LAN Settings | | | |
| Expert Setting | | | |
| Routing | | | |
| Traffic Control | | | |
| System Tools | | | |

3.4.5 Network Status

| | Network Status | Help |
|------------------|------------------------------|--|
| Quick Setup | | |
| System Status | Operation Mode AP | Router: The Ethernet port w behave as a WAN port for wired connection to ADSL of |
| Network Status | Connection Status Connecting | Cable modem.The NAT rou |
| System Status | ounceion olatas ounceing | will be performed between t |
| System Status | | WAN and WLAN. Making IF |
| LAN Status | Cata Configura | sharing possible. |
| Wirelace Statue | Goto Comigure | WISP: In this mode, the AP |
| Wileless Status | | behave as client. In addition |
| Network Settings | | router function is added |
| MI AN Pottingo | | between the wireless WAN |
| WLAN Settings | | side and the Ethernet LAN |
| System Tools | | side. I herefore, the WISP |
| | | connection without the neer |
| | | extra router. |
| | | AP:The most basic mode of |
| | | multi-function is Access Poi |
| | | In this mode, the AP will ac |
| | | a central hotspot for differe |

Operation Mode: It displays the Operation Mode. Connection Status: It displays the connection status. Note: Network Status is only shown in the System Status of AP Mode.

3.5 Network Settings

Network Settings are only available in Router Mode and AP Mode. Set up Network only when system is in Router Mode or AP Mode.

In Router Mode:

• WAN Settings

| Duiete Oetue | WAN Settings | | Help |
|-------------------|-----------------|---------------------|---|
| | Connection Type | | Static IP: If your broadba |
| Johuaris Cattinga | | | please select the static IF |
| vetwork Settings | MTU | 1500 (Default:1500) | mode. |
| WAN Settings | | | Dynamic IP: If your ISP DHCP server please set |
| WAN Parameters | | | DHCP, and your ISP will |
| MAC Address Clone | | Save Cancel | automatically assign thes values to you(includes the |
| WLAN Settings | | | server.) |
| AN Settings | | | PPPoE: Inquire your ISP |
| Expert Setting | | | make sure whether you o use PPPoE. If they provide |
| Routing | | | PPPoE ,Then enter your |
| Traffic Control | | | username and password |
| System Tools | | | PPTP: Enter the PPTP s IP address, username, a |
| , jotalii 10010 | | | password that are provid |
| | | | your ISP.For the WAN IF address, Subnet Mask, E |
| | | | Gateway, you can choos |
| | | | manually enter the inform |

Plug the Internet cable to the HooToo Powerline Adapter WAN port.

Connection Type: It displays the router mode.

MTU: Maximum Transmission Unit. It is the size of the largest data packet that can be sent over the network. The default value is 1500. Do not modify it unless necessary. If a specific website or web application software cannot be opened or enabled, you can try to change the MTU value from 1500 to 1400, etc.

| HooToo | | | | î |
|--|-------------------------------------|------------------|------|--|
| Quick Setup System Status Network Settings WAN Settings WAN Parameters MAC Address Clone WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools | WAN Parameters Negotilation mode | Auto Save Car | Icel | Heip Default is auto you can choose different mode. Note: Your WAN port cable may be aged or too long and so the drive is not powerful enough.Or may be your ISP requires you to set a speed matched with theirs. In this case; you may set the WAN parameter as 10M full-duplex mode (or the speed specified by your ISP) to enhance the hardware's drive power. |

• WAN Parameters

Negotiation Mode: You can set the value to match the status.

Note:

- Default is auto.
- Your WAN port cable may be old or too long which means the drive might not be powerful enough. You may also find that your

ISP requires you to set a speed that matches theirs. In these cases, you may set the WAN parameter to 10M full-duplex mode (or the speed specified by your ISP) to enhance the hardware's drive power.

• MAC Address Clone

| HaaTaa | ^ |
|---|---|
| Cuick Setup System Status WAN Settings WAN Parameters MAC Address Clone WLAN Settings Expert Setting Routing Traffic Control System Tools | Heip MAC Address clone: Some Internet service providers require end-user's MAC address to access their network. This feature copies the MAC address of your network device to the router. MAC Address: The MAC address to be registered with your internet service provider. Restore Default MAC: Restore the default hardware MAC address. Clone MAC: Register your PC's MAC address. |
| | v |

MAC Address Clone: Some Internet service providers require end-user's MAC address to access their network. This feature copies the MAC address of your network device to the router.

MAC Address: The MAC address registered with your ISP. Restore Default MAC: Restore the default hardware MAC address. Clone MAC: Register your PC's MAC address.

In AP Mode:

• LAN Settings

This is to configure the basic parameters for LAN ports.

| | LAN Settings | Help |
|------------------|--------------------------------|---|
| Quick Setup | RE-REGISTERED TRACEMENT TO SOL | This is to configure the basi |
| system Status | MAC Address 00:16:FB:B0:BD:86 | parameters for LAN ports. |
| letwork Settings | IP Address 10.10.10.251 | MAC Address: The device |
| LAN Settings | | MAC address as seen on yo local network. |
| DHCP Server | Subnet Mask 255.255.255.0 | IP Address: The device's II |
| VLAN Settings | | address as seen on your lo petwork(10.10.10.251 by |
| System Tools | Save Cancel | default). |
| | | Subnet Mask: It is shown t |
| | | device's subnet mask here (255,255,255,0 by default) |
| | | · |
| | | |
| | | |
| | | |
| | | |

MAC Address: The device's MAC address as seen on your local network. IP Address: The device's IP address as seen on your local network (10.10.10.251 by default).

Subnet Mask: It shows the device's subnet mask here (255.255.255.0 by default).

• DHCP Server

DHCP (Dynamic Host Configuration Protocol) is to assign an IP address to the computers on the LAN/private network. When you enable the DHCP Server, it will automatically allocate an unused IP address from the IP address pool to the requesting computer. However, this will only happen under the condition that activating the DHCP server will automatically obtain an IP address. Therefore specifying the starting and ending address of the IP Address pool is needed. The lease time is the length of the IP address lease.

| HooToo | | ^ |
|--|-------------|--|
| Quick Setup System Status Network Settings LAN Settings DHCP Server WLAN Settings System Tools | DHCP Server | Help DHCP (Dynamic Host Configuration Protocol) is to assign an IP address to the computers on the LAN/private network/When you enable the DHCP Server; the DHCP Server; the DHCP Server; the DHCP Server; the DHCP ddress from the IP address pool to the requesting computer in premise of activating abtain an IP Address Automatically 36 specifying the starting and ending address of the IP Address pool is needed. The lease time is the length of the IP address lease. |

3.6 WLAN Settings

3.6.1 Basic Settings

| HooToo | |
|---|--|
| Quick Setup System Status Network Settings WIAN Settings Basic Settings Security Settings WPS Settings WPS Settings Access Control Connection Status LAN Settings Expert Setting Routing Traffic Control System Tools | Help SSID: The wireless network public name. The SSID is a must to enter. Channel: Select one from the channels list,the default is AutoSelect. As far as possible select the channel which is used less for preventing signal interference. Extension Channel: It can be used to ensure 11 N network frequency. |

SSID: The wireless network public name. The SSID needs to be entered. Broadcast (SSID): Select "Enable" to enable the router's SSID to be scanned by wireless devices. The default setting is enabled. If you disable it, the wireless devices must know the SSID for communication.

Channel: Select one from the channels list, the default is AutoSelect. As much as possible, please select the channel which is used the least to prevent signal interference.

Extension Channel: It can be used to ensure 11 N network frequency.

3.6.2 Security Settings

With the wireless security function, you can prevent others from connecting to your wireless network and from using network resources without your consent. It can also block illegal users from intercepting or intruding on your wireless network.

| Quick Satur | Security Settings | | | Help |
|-------------------|----------------------|-----------------|---|--|
| System Status | Security Mode | WPA2 - Personal | Y | WPA/WPA2-Personal: You can enable personal or mix |
| Network Settings | Pass Phrase | ••••• | | that the wireless client also |
| WLAN Settings | | | | supports the selected encryption method. |
| Basic Settings | Key Renewal Interval | 3600 seconds | | |
| Security Settings | | | | |
| WPS Settings | | Save Cancel | | |
| Access Control | | | | |
| Connection Status | | | | |
| LAN Settings | | | | |
| Expert Setting | | | | |
| Routing | | | | |
| Traffic Control | | | | |
| System Tools | | | | |

WPA/WPA2-Personal: You can enable personal or mix mode, but you must make sure that the wireless client also supports the selected encryption method.

3.6.3 WPS Settings

You can easily setup security by choosing the PBC method to do a Wi-Fi Protected Setup.

| HooToo | | |
|---|------------------------|---|
| Quick Setup System Status Network Settings WLAN Settings Security Settings Security Settings MYPS Settings Access Control Connection Status LAN Settings Expert Setting Routing Traffic Control System Tools | WPS Settings: I Enable | Help You could setup security easily by choosing PBC method to do Wi-Fi Protected Setup. |
| | | |

Note: WPS Settings only exist in WISP Mode and Router Mode.

3.6.4 Access Control

The Wireless Access Control is based on the MAC address of the wireless adapter to determine whether it communicates with the Router or not. Select "Off" to disable this function. Select "Allow" to enable this function.

| | Wireless Access Contr | ol | | Help |
|-------------------|-----------------------|-------------|--------------|---|
| Quick Setup | | | | The Wireless Access Con |
| System Status | MAC Address Filter | Off | \checkmark | based on the MAC addres |
| Network Settings | | | | determine whether it |
| WLAN Settings | | Save Cancel | | communicates with the Re or not.Select "Off" to disal |
| Basic Settings | | | | this function. Select "Allow "Block" to enable this func |
| Security Settings | | | | |
| WPS Settings | | | | |
| Access Control | | | | |
| Connection Status | | | | |
| AN Settings | | | | |
| Expert Setting | | | | |
| Routing | | | | |
| Fraffic Control | | | | |
| | | | | |

3.6.5 Connection Status

| HooToo | | | | |
|------------------------------|--|----------------|-----------|--|
| Quick Setup System Status | Wireless Conr The Current Wireless Access L | nection Status | | Help MAC Address: Shows the connecting PC's MAC address. |
| Network Settings | NO. | MAC | Bandwidth | Bandwidth: The width of channel frequency |
| WLAN Settings | | | | channel nequency. |
| Basic Settings | | | | |
| Security Settings | | | | |
| WPS Settings | | | | |
| Access Control | | | | |
| Connection Status | | | | |
| LAN Settings | | | | |
| Expert Setting | | | | |
| Routing | | | | |
| Traffic Control | | | | |
| System Tools | | | | |
| | | | | |
| | | | | |

MAC Address: Shows the connecting PC's MAC address. Bandwidth: The width of channel frequency.

3.7 LAN Settings

3.7.1 LAN Settings

This is to configure the basic parameters for LAN ports.

| looToo | | |
|--|--|---|
| Cuick Setup System Status Network Settings WLAN Settings LAN Settings DHCP Server DHCP List & Binding Expert Setting Routing | LAN Settings MAC Address 00:16.FB: B0:BD:86 IP Address 10:10:10:251 Subnet Mask 255:255:55.0 Save Cancel | Help This is to configure the bas parameters for LAN ports. MAC Address: The device MAC address as seen on your lo network (10.10.10.251 by default). Subnet Mask: It is shown 1 device's subnet mask here (255.255.255.0 by default). |
| Traffic Control System Tools | | |

MAC Address: The device's MAC address as seen on your local network.

IP Address: The device's IP address as seen on your local network (10.10.10.251 by default).

Subnet Mask: It shows the device's subnet mask here (255.255.255.0 by default).

3.7.2 DHCP Server

DHCP (Dynamic Host Configuration Protocol) is to assign an IP address to the computers on the LAN/private network. When you enable the DHCP Server, it will automatically allocate an unused IP address from the IP address pool to the requesting computer. However, this will only happen under the condition that activating the DHCP server will automatically obtain an IP address. Therefore specifying the starting and ending address of the IP Address pool is needed. The lease time is the length of the IP address lease.

| Quick Setup DHCP Server System Status DHCP Server | |
|--|--|
| Network Settings LAN Settings LAN Settings DHCP: Server DHCP: List & Binding Expert Setting Traffic Control System Tools | Heip DHCP (Dynamic Host Configuration Protocol) is to assign an IP address to the embwork.When you enable the DHCP Sever, the DHCP Sever, the DHCP Sever, the JHC address pool to the requesting computer in premise of activating abtain an IP Address pool to the requesting dardress of the IP Address pool didress of the IP Address lease. |

3.7.3 DHCP List & Blinding

You can add the IP address and MAC address manually to set the DHCP client list. Please note that you should click "Save" to save the settings. Click "Refresh" to update the related DHCP client information.

| HooToo | | | | | | |
|---|------|---|-------------|-------------|--------|---|
| Quick Setup System Status Network Settings WLAN Settings LAN Settings | DHCP | P List&Binding IP Address MAC Address | 10.10.10. |];; Add | | Heip You can add the IP address and MAC address manually set the DHCP client list Plea note that you should click "Save" to save the settings Click "Refresh" to update the related DHCP cli |
| LAN Settings DHCP Server | NO. | IP Address | MAC Address | IP-MAC bind | Delete | intormation. |
| DHCP_List_& Binding Expert Setting | Host | Name | IP Address | MAC Address | Lease | |
| Routing Traffic Control System Tools | | | Save Cancel | | | |
| | | | | | | |
| | | | | | | |

3.8 Expert Settings

3.8.1 URL Filter

This section is to set URL filtering access. If you want to enable this function, please activate the checkbox. Select one policy from the drop-down menu and enter a policy name in the field. You can set the access restriction in a more detail form (e.g. the fixed IP range, URL, times and days).

| HooToo | | |
|------------------|----------------------------|--|
| Quick Setup | URL Filter | Help |
| System Status | Filtering Setting 🗌 Enable | This section is to set URL filtering access. If you want to |
| Network Settings | | enable this function, please activate the checkbox.Select |
| WLAN Settings | Save Cancel | one policy from the drop-down |
| LAN Settings | | in the field. Of course, you can |
| Expert Setting | | details (e.g. the fixed IP range, |
| URL Filter | | URL, times and days). |
| Port Range | | Note: When times is 0:0~0:0, it express 24 hours. |
| DMZ Settings | | |
| DDNS | | |
| Remote WEB | | |
| WAN Ping | | |
| Routing | | |
| Traffic Control | | |
| System Tools | | |
| | | |

Note: When the time is 0:0~0:0, it is expressing 24 hour time.

3.8.2 Port Range

| uick Setun | V | irtual Server | | | | | Help |
|--------------------|----|---------------------|----------------------|----------|--------|--------|--|
| system Status | ID | Start Port-End Port | To IP Address | Protocol | Enable | Delete | Start/End Port: Enter the start/end port number whic |
| etwork Settings | 1. | | 10.10.10. | тср 🔽 | | | ranges the External ports u to set the server or internet applications |
| LAN Settings | 2. | | 10.10.10. | тср 🔽 | | | IP Address: Enter the IP |
| kpert Setting | 3. | | 10.10.10. | TCP 🔽 | | | want to set the applications |
| URL Filter | 4. | | 10.10.10. | TCP V | | | Protocol: Select the protocol (TCP/UDP/Both) for the |
| DMZ Settings | 5. | | 10.10.10. | TCP 🔽 | | | application. |
| DDNS Remote WEB | 6. | | 10.10.10. | TCP 💌 | | | |
| WAN Ping | | Well-known | Service Port DNS(53) | Add to 1 | | | |
| outing | | | | | | | |

Start/End Port: Enter the start/end port number within the ranges forwarded from the external ports to set the server or Internet applications.

IP Address: Enter the IP address of the PC where you want to set the applications.

Protocol: Select the protocol (TCP/UDP/Both) for the application.

3.8.3 DMZ Settings

The DMZ function is to allow one computer in LAN mode to be exposed to the Internet for a specific-purpose service such as online gaming or video conferencing.

| looToo | | |
|------------------|-------------------|---|
| Quick Setup | DMZ Host | Help |
| System Status | DMZ Host 🗌 Enable | The DMZ function is to allow one computer in LAN to be |
| Network Settings | | exposed to the Internet for a |
| WLAN Settings | Save Cancel | special-purpose service as Internet gaming or video conferencing. |
| LAN Settings | | DMZ Host IP: The IP addr |
| Expert Setting | | of the computer you want t |
| URL Filter | | expose. |
| Port Range | | |
| DMZ Settings | | |
| DDNS | | |
| Remote WEB | | |
| WAN Ping | | |
| Routing | | |
| Traffic Control | | |
| System Tools | | |

DMZ Host IP: The IP address of the computer you want to expose.

3.8.4 DDNS

The DDNS (Dynamic Domain Name System) is supported by this router. It is used to assign a fixed host and domain name to a dynamic Internet IP address, which is then used to monitor the hosting website, FTP server, and other settings behind the router. If you want to activate this function, please select "Enable" and add the account information provided by your DDNS service provider.

3.8.5 Remote WEB

This section is to allow the network administrator to manage the router remotely. If you want to access the router remotely, please select "Enable".

| looToo | | |
|------------------|------------------------|--|
| | Remote Web Management | Help |
| Quick Setup | | This section is to allow the |
| System Status | Management 🗌 Enable | network administrator to manage the router remotely |
| Network Settings | Port 8080 (1024-65535) | you want to access the rout |
| WLAN Settings | | "Enable". |
| LAN Settings | Save Cancel | Port: The management por |
| Expert Setting | | be open to outside access. default value is 8080 |
| URL Filter | | WAN IP Address : Specify |
| Port Range | | range of IP Address for ren |
| DMZ Settings | | management. |
| DDNS | | |
| Remote WEB | | |
| WAN Ping | | |
| Routing | | |
| Traffic Control | | |
| System Tools | | |

Port: The management port can be opened to outside access. The default value is 8080.

WAN IP Address: Specify the range of the IP Address for remote management.

3.8.6 WAN Ping

The ping test is to check the status of your internet connection. When disabling the test, the system will prevent the ping test from the WAN.

| HooToo | | |
|--|--|---|
| Quick Setup System Status Network Settings WLAN Settings LAN Settings LAN Settings DMZ Settings DMZ Settings DDNS Remote WEB WAN Ping Routing Traffic Control System Tools | WAN Ping Ignore the Ping from WAN Cancel | Heip The ping test is to check the status of your internet connection When disabiling the test, the system would prevent the ping test from WAN. |

3.9 Routing

| HooToo | | | | | | |
|------------------------------|----------------|---------------|------------|--------|-----------|--|
| Quick Setup System Status | Routing Table | | | | Refresh | Help Hop count: interface hop count. |
| Network Settings | Destination IP | Subnet Mask | Gateway | Metric | Interface | Interface: three types.eth1: WAN interface_ppp0:PPPoF |
| WLAN Settings | 10.10.10.0 | 255.255.255.0 | 10.10.10.0 | 0 | eth0 | interface eth0:LAN device |
| LAN Settings | | | | | | interface |
| Expert Setting | | | | | | |
| Routing | | | | | | |
| Routing Table | | | | | | |
| Traffic Control | | | | | | |
| System Tools | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Hop Count: Interface hop count.

Interface: Thee types of modes: eth1: WAN interface; ppp0: PPPoE interface; and eth0: LAN device interface

3.10 Traffic Control

Traffic control is used to monitor and control the communication speed of the LAN. It can support up to 10 entries to monitor a maximum of 254 PCs, including IP address range configuration.

| ΗοοΤοο | | ^ |
|--|---|---|
| Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control Traffic Control System Tools | Traffic Control Settings Traffic Control Enable Save Cancel | Heip Traffic control is used to limit communication speed in the LAN.Up to 10 entries can be supported with the capability for at most 254 PCs' speed control, including for IP address range configuration. |
| http://www.hootoo.com/ | | ~ |

3.11 System tools

3.11.1 Time Settings

This section is to select the time zone for your location. If you turn off the router, the settings for time disappear. However, the router will automatically obtain the GMT time once it accesses the Internet.

| HooToo | | · |
|---|---|---|
| Quick Setup Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools Time Settings Backup/Restore Restore to Factory Firmware Upgrade | Time Settings Model System Time 01-01-2015 Thu 08-28-57 Time Zone (GMT-05:00) Eastern Time (US & Canada), In ♥ Customized time: E nable | Heip This section is to select the time zone for your location. If you turn of the router, the settings for time disappear. However, the router would automatically obtain the GMT time again once it has access to the Internet. |
| Reboot Change Password System Log | | |

3.11.2 Backup/Restore

| HooToo | | |
|--------------------|--|-------------------------------|
| | Backup/Restore | Help |
| | The device provides backun/restore satings, so you need set a directory to keep these parameters | Backup: Click this button to |
| System Status | The device provide backapitetione settings, so you need set a another to help these parameters. | configurations. |
| Network Settings | _ | Restore: Click this button to |
| WLAN Settings | Backup | restore the router's |
| LAN Settings | | conigurations. |
| Expert Setting | Please choose restore file | |
| Routing | BROWSE | |
| Traffic Control | | |
| System Tools | | |
| Time Settings | Recover | |
| Backup/Restore | | |
| Restore to Factory | | |
| Firmware Upgrade | | |
| Reboot | | |
| Change Password | | |
| System Log | | |

Backup: Click this button to back up the router's configurations. Restore: Click this button to restore the router's configurations.

3.11.3 Restore to Factory Default Settings

This button is to reset all configurations to the default values. It means the router will lose all the settings you have set. So please note down the related settings if necessary.

| HooToo | | ^ |
|--|--------------------------------------|--|
| Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools Time Settings Backup/Restore Restore to Factory Firmware Upgrade Reboot | Restore to Factory Default Settings. | Help This button is to reset all configurations to the default values it means the router will lose all the settings you have set 80 please note down the related settings if necessary. Default password: admin Default IP: 10.10.10.251 Default Subnet mask: 255.255.255.0 |
| System Log | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |

Default password: admin

Default IP: 10.10.10.251

Default subnet mask: 255.255.255.0

3.11.4 Firmware Upgrade

The router can search and upgrade the firmware. After the upgrade is completed, the router will reboot automatically.

| HooToo | | | ^ |
|---|--|---|---|
| Quick Setup Quick Setup System Status Network Settings UAN Settings Expert Setting Routing Traffic Control System Tools Time Settings Backup/Restore Restore to Factory Firmware Upgrade Reboot Change Password | Firmware Upgrade Select the firmware version: IPROWSE Upgrade The current firmware version HT-ND003H010V001R001C01B225_ML-Apr 19 2016 | Help The router provides the firmware upgrade by clicking the "upgrade" after browsing for the firmware upgrade packet.After the upgrade is completed, the router will reboot automatically. | |
| System Log | | | ~ |

3.11.5 Reboot

Reboot the router to activate new settings or to change the current settings in case of setting failure or software freezing.

| HooToo | | ^ |
|---|--|--|
| Quick Setup System Status Network Settings WLAN Settings LAN Settings Expert Setting Routing Traffic Control System Tools Time Settings Backup/Restore Restore to Factory Firmware Upgrade Reboot Change Password | Reboot Click here to reboot the router. Reboot | Heip Rebooting the router is to make the settings configured go into effect or to set the router again if setting failure happens. |
| System Log | | Y |

3.11.6 Change Password

The default password is admin. We recommend you change it to minimize the chance of others accessing your network and changing your settings.

| | Change Password | Help |
|--------------------|----------------------|--|
| | Old Password | Default password is admin |
| system Status | Old Password | for better security. Otherw |
| Network Settings | New Password | anyone in your network ca |
| VLAN Settings | | your settings. |
| AN Settings | Confirm New Password | Old Password: If you first |
| Expert Setting | | use the router, enter admi |
| Routing | | you already changed it an unfortunately forgot, resto |
| Traffic Control | Save | router to factory defaults. |
| Austern Tools | | New Password: Input a n |
| system roots | | password. It MUST only consist of 3-12 characters |
| Time Settings | | without any space. |
| Backup/Restore | | Confirm New Password: |
| Restore to Factory | | enter the new password. |
| Firmware Upgrade | | |
| Reboot | | |
| | | |

Old Password: If it is your first time using the router, enter admin. If you already changed the password and have forgotten it, please restore the router to factory defaults.

New Password: Input a new password. It MUST consist of 3-12 characters without any spaces.

Confirm New Password: Re-enter the new password.

3.11.7 System Log

The section is to view the system log. Click the "Refresh" to update the log. Click the "Clear" to clear all the shown information. If the log has over 150 records, it will clear automatically.

| HooToo | | | | | |
|--------------------|-----|---------------------|---------|--|---|
| | s | system Log | | | Help |
| Quick Setup | | | | | The section is to view the |
| System Status | | | | Reliesh Clear | system log. Click the "Refresh" to update the log. Click the |
| Network Settings | 1 | 2015-01-01 08:00:00 | [SYS] | Lan start | "Clear" to clear all the shown |
| WLAN Settings | 2 | 2015-01-01 08:00:01 | [HTTP] | ifra305x: esw_linkmask=10 down | 150 records, it will clear |
| LAN Settings | 3 | 2015-01-01 08:00:01 | [HTTP] | ifra305x: esw_linkmask=14 up | automatically. |
| Expert Setting | 4 | 2015-01-01 08:00:01 | ISYSI | Wian start | |
| Routing | - | 2015 01 01 08:00:04 | | Litted start | |
| Traffic Control | - | 2015-01-01-00.00.04 | [[1111] | nupa start | |
| System Tools | 6 | 2015-01-01 08:00:04 | [SYS] | System start | |
| Time Settings | 7 | 2015-01-01 08:00:04 | [SYS] | Ver 2.1.2.121 Tue Apr 19 18:39:32 2016 | |
| Backup/Restore | 8 | 2015-01-01 08:21:34 | [HTTP] | web [10.10.10.22] login time expired | |
| Restore to Factory | [1] | | | | |
| Firmware Upgrade | | | | | |
| Reboot | | | | | |
| Change Password | | | | | |
| System Log | | | | | |

4 Troubleshooting

The Troubleshooting provides answers to common problems regarding the Powerline Adapter.

- 1. The Power LED does not light up.Ans. Check the following:
- a) Make sure that the Powerline Adapter is properly plugged into a power outlet.
- b) Make sure the power outlet is active (working) by plugging another electric device into it.
- c) Re-plug the Powerline Adapter to the power outlet. If the Power LED is still off, contact your local dealer for technical support.
- 2. The Ethernet LED does not light up. Check the following:
- a) Make sure that the Ethernet cable (RJ-45) is properly connected to the Powerline Adapter's Ethernet port.
- b) Make sure that the other end of the Ethernet cable (RJ-45) is properly connected to the computer LAN card or to your Cable/DSL Ethernet port.
- c) Make sure your computer LAN card is properly installed and configured.
- d) Make sure your Cable/DSL broadband access is working and configured correctly.
- e) Contact your local dealer for technical support if the Ethernet LED is still off after the above procedures.
- 3. The Powerline LED does not light up. Check the following:
- a) Double click to enable the Management Utility and click the "Rescan" tab under the Network configuration homepage. The Management Utility will automatically detect all other Powerline Adapters on your powerline network.
- b) Try to plug a second Powerline Adapter into a nearby power outlet and check whether the Powerline LED lights up or not.
- c) Contact your local dealer for technical support if the Powerline LED is still off after the above procedures.

Warranty

HooToo products are covered by a 12 month limited warranty from the date of its original purchase. If any problems occur, please contact our support team.

We can only provide after sales service for products that are sold by HooToo or HooToo authorized retailers and distributors. If you have purchased your unit from a different place, please contact your seller for return and warranty issues.

HooToo

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FCC Compliance

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 withstand any interference received, including interference that may cause undesired operation.

