



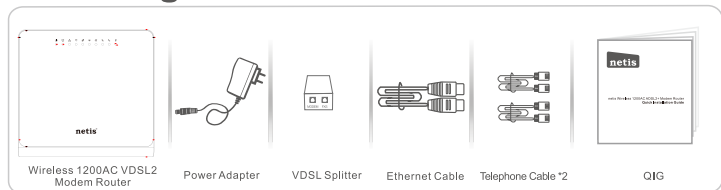
AC1200 Wireless Dual Band VDSL2 Gigabit VoIP IAD

**Quick Installation Guide**





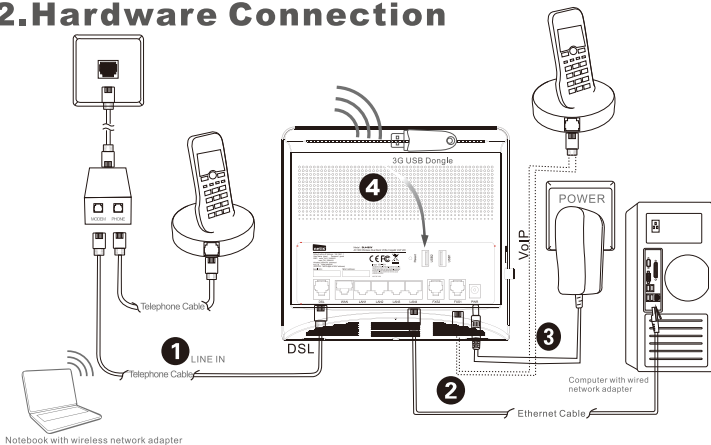
# 1.Package Contents



\* This QIG is for all netis wireless AC1200 VDSL2 modem routers, including models- DL4480V, etc.

\* The product model shown in this QIG is DL4480V, as an example.

# 2.Hardware Connection



2.1. Connect the DSL line with the attached telephone cable.

- Connect the **LINE** port of VDSL Splitter to the wall jack with a telephone cable.
- Connect the **MODEM** port of VDSL Splitter to the **DSL** (or **PHONE** port for VoIP telephone) port on netis Modem Router with the other telephone cable.
- Connect your telephone to the **PHONE** port of VDSL Splitter.

**Tip:** If no telephone is needed, please connect the DSL port on netis Modem Router to the wall jack with the phone cable directly.

2.2. Connect your computer to one of the **LAN** port on netis Modem Router with an Ethernet cable.

2.3. Plug the provided Power Adapter into the **DC-IN** jack of netis Modem Router and the other end to a standard electrical socket.

2.4. Wait for one minute then check if the LED indicators of the Modem Router display normally.

- **POWER:** Solid on.
- **DSL:** Solid on when the modem is synchronized.
- **LAN:** Solid on or flashing if the corresponding LAN port is connected.

**Tip:** If the LED indicators display abnormally, please check if all the cables are well connected. If the DSL LED is off or flashing, please contact your ISP (Internet Service Provider) to check the Internet connection.

## 3. Configure the Modem Router via Web Management Page

### 3.1. Necessary Information before the configuration.

For a successful setup, you're recommended to contact your ISP first and ask for the following network parameters which will be required during the configuration procedures.

- Username&Password
- Connection Type;
- Encapsulation Type (Optional);

### 3.2. Set the IP address of the wired network adapter on your computer as **"Automatic"** or **"DHCP"**.

#### For Windows Vista and above

- 1) Go to **"Start"** (Win 7/Vista)/**"Settings"** (Others)> **"Control Panel"**.
- 2) Left-click on **"Network and Internet">"Network and Sharing Center">"Manage network connections"** (Win Vista)/ **"Change adapter settings"** (Others).
- 3) Right-click on **"Local Area Connection"** and left-click on **"Properties"**.
- 4) Double-click on **"Internet Protocol Version 4 (TCP/IPv4)"**.
- 5) Select **"Obtain an IP address automatically"** and **"Obtain DNS server address automatically"** then left-click on **"OK"**.

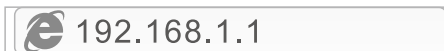
#### For Windows XP/2000

- 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 **"Obtain an IP address automatically"** and **"Obtain DNS server address automatically"** then left-click on **"OK"**.

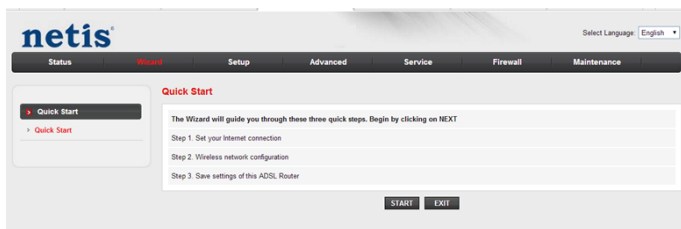
#### For MAC OS

- 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 **"Using DHCP"**.
- 6) Click **"OK"** then **"Apply"**.

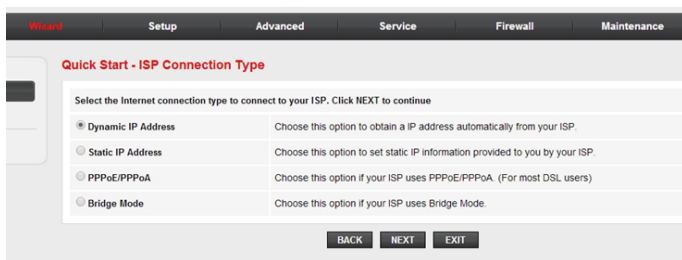
### 3.3. Open your browser and type **192.168.1.1** in the address field. Then type in the username **guest** and password **guest** to login the web management page.



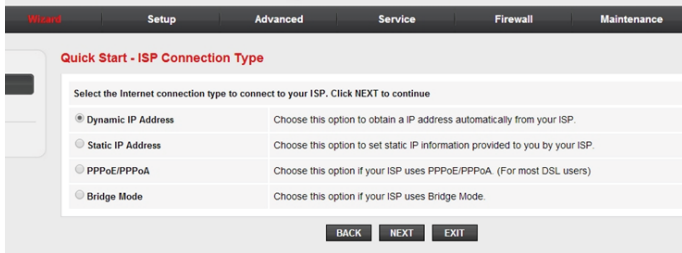
### 3.4. Enter the Wizard, click “**START**”



### 3.5. Select the Internet connection type given by your ISP. Click **NEXT** to continue



1) if “Dynamic IP Address” is selected ,select the connection type defined by your ISP , the router will automatically receive the IP parameters from your ISP



2)if “Static IP Address” is selected, click on “next”, and then fill the local IP address / remote IP address/ subnet Mask offered by your ISP.

**Quick Start - Static IP Address**

Enter the static IP information provided to you by your ISP. Click NEXT to continue.

Local IP Address:	<input type="text" value="0.0.0.0"/>
Remote IP Address:	<input type="text" value="0.0.0.0"/>
Subnet Mask	<input type="text" value="0.0.0.0"/>

3)if “PPPoE/PPPoA” is selected, click on “next” , and then fill the username and password offered by your ISP.

**Quick Start - PPPoE/PPPoA**

Enter the PPPoE/PPPoA information provided to you by your ISP. Click NEXT to continue.

User Name:	<input type="text"/>
Password:	<input type="text"/>

4) if the “Bridge Mode” is selected, select the connection type by your ISP

#### Tip 1:

Default IP address: **192.168.1.1** Default login username: **guest**

Default SSID: **netis\_2.4G\_XXXXXX** **netis\_5G\_XXXXXX**

Default login password: **guest**

Default wireless password: **password**

#### Tip 2:

After the basic Internet settings, you may open some popular websites to check your Internet connection. If you cannot access the Internet, please refer to the instructions in “**Troubleshooting**”.

3.6. Set up the wireless SSID and password at 2.4Ghz and 5Ghz. And then click on next. Then Wizard will be finished.

**Quick Start - Wireless Setting**

This page is used to configure the parameters for WLAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters. Click NEXT to continue.

☐ Disable WLAN Interface

SSID (5GHz):	<input type="text" value="netis_5G_22B808"/>
Broadcast SSID:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Authentication Type:	<input type="text" value="WPA-PSK/WPA2-PSK"/>
Password:	<input type="text" value="password"/> (Please enter any 8-63 characters (ASCII characters A-Z,a-z,0-9))

☐ Disable WLAN Interface

SSID (2.4GHz):	<input type="text" value="netis_2G_22B808"/>
Broadcast SSID:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Authentication Type:	<input type="text" value="WPA-PSK/WPA2-PSK"/>
Password:	<input type="text" value="password"/> (Please enter any 8-63 characters (ASCII characters A-Z,a-z,0-9))

## 4. Troubleshooting

**Q** How do I restore my netis Modem Router's configuration to its default settings?

**A** With the router powered on, use a pin to press and hold the **RESET** button on the rear panel for 8 to 10 seconds before releasing it. The router will reboot and all configurations are back to factory default.

**Q** What can I do if my Internet cannot be accessed?

- A**
- 1) Check to verify the hardware connections are correct.  
Please refer to the "**Hardware Connection**" step.
  - 2) Login to netis Modem Router's web management page and ensure that you input the correct network parameters.  
You'd better contact your ISP to make sure that the Connection Mode, Username & Password are correct.
  - 3) If you still cannot access the Internet, please restore your Modem Router to its factory default settings and try the "**Wizard**" again.
  - 4) Please feel free to contact netis Technical Support if possible.

**Q** How to apply the USB function on DL4480V?

**A** 1) Connect 3G dongle

Check the supported 3G dongle model list from [www.netis-systems.com](http://www.netis-systems.com) and make sure that your 3G dongle model is in the compatibility list.

Click "**Setup**"> "**WAN**"> "**3G**" to enable **3G WAN** and input the **Dial Number/APN/Username/Password** from your mobile ISP, then click **Apply Changes**.



Status	Wizard	Setup	Advanced	Service	Firewall	Maint
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WAN

WAN Mode

Ethernet WAN

PTM WAN

ATM WAN

ATM Settings

DSL Settings

3G

LAN

WLAN0 (5GHz)

WLAN1 (2.4GHz)

IPv6

### 3G Settings

This page is used to configure the parameters for your 3G network access.

3G WAN:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
PIN Code:	<input type="text"/>
APN:	<input type="text" value="internet"/>
Dial Number:	<input type="text" value="*99#"/>
Authentication:	<input type="text" value="NONE"/>
User Name:	<input type="text"/>
Password:	<input type="text"/>
Connection Type:	<input type="text" value="Continuous"/>
Idle Time (min):	<input type="text" value="60"/>
NAPT:	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Default Route:	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
MTU:	<input type="text" value="1500"/>
Backup for ADSL:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Backup Timer (sec):	<input type="text" value="60"/>

Apply Changes

Reset

## 2) Connect USB storage device

This function is based on FTP service and there's no need to configure the netis router. Please just download and install third-party FTP software from Internet for your computer. And the FTP software will automatically detect the connected USB storage device for access.

**Q** : How to apply the VoIP function on the DL4480V ?

- A**
- 1) Check to verify the hardware connections are correct, please refer to the **"Hardware Connection"** step.
  - 2) Click **"service">"VoIP"**, and input the correct parameters as your ISP offered. You'd better contact your ISP to make sure that the related parameters is correct.

Default Proxy	
Select Default Proxy	Proxy0 ▾
Proxy0	
Proxy0	
Display Name	<input type="text"/>
Number	<input type="text"/> phone number
Login ID	<input type="text"/> login account
Password	<input type="text"/> login password
Proxy	<input checked="" type="checkbox"/> Enable
Proxy Addr	<input type="text"/> SIP Server IP or Domain Name
Proxy Port	<input type="text" value="5060"/>
SIP Domain	<input type="text"/> SIP Server IP or Domain Name
Reg Expire (sec)	<input type="text" value="3600"/>
Outbound Proxy	<input type="checkbox"/> Enable
Outbound Proxy Addr	<input type="text"/> SIP Server IP or Domain Name
Outbound Proxy Port	<input type="text" value="5060"/>
Enable Session timer	<input checked="" type="checkbox"/> Enable
Session Expire (sec)	<input type="text" value="1800"/>
Register Status	Register Fail

3) click the **"Network"**, and input the correct parameters as your ISP offered. Then click **"Apply"** (You'd better contact your ISP to make sure that the related parameters is correct.)

VoIP Interface Selection									
<div> <div>VoIP</div> <div> <div>Port1</div> <div>Port1 DSP</div> <div>Tone</div> <div>Ring</div> <div>Other</div> <div>Config</div> <div>Network</div> </div> </div>	<table border="1"> <tbody> <tr> <td>VoIP Interface</td> <td>Any_WAN ▾</td> </tr> <tr> <td>SIP DSCP</td> <td>Class 3 (DSCP 0x18) ▾</td> </tr> <tr> <td>RTP DSCP</td> <td>EF (DSCP 0x2e) ▾</td> </tr> <tr> <td>H.228.1</td> <td>Enable ▾</td> </tr> </tbody> </table> <div> <div>Apply</div> <div>Reset</div> </div>	VoIP Interface	Any_WAN ▾	SIP DSCP	Class 3 (DSCP 0x18) ▾	RTP DSCP	EF (DSCP 0x2e) ▾	H.228.1	Enable ▾
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RTP DSCP	EF (DSCP 0x2e) ▾								
H.228.1	Enable ▾								

## **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 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 RF Radiation Exposure Statement**

1. The equipment complies with RF exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
3. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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

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

## **Technical Support:**

**USA/ Canada:**

**Toll Free:** +1 866 71 network (+1 866 716 3896)

**E-mail:** [usa\\_support@netis-systems.com](mailto:usa_support@netis-systems.com)

**Manufacture warranty:** one year from date of purchase.

**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

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