



IPS-2101h

Quick Installation Guide V1.0

ArtDio IPS-2101h VoIP Gateway

- **Package content:**
 - One IPS-2101h VoIP Gateway
 - One Power Adaptor
 - One RJ – 45 Ethernet Cable
 - One RJ-11 Telephone Cable
 - Quick Installation Guide
 - One Installation CD

Safety Instructions

- Do not attempt to service the product yourself. Any servicing of this product should be referred to qualified service personal.
- To avoid electric shock, do not put your finger, pin, wire, or any other metal objects into vents and gaps.
- To avoid accidental fire or electric shock, do not twist power cord or place it under heavy objects.
- The product should be connected to a power supply of the type described in the operating instructions or as marked on the product.
- To avoid hazard to children, dispose of the product's plastic packaging carefully.
- Please read all the instructions before using this product.

For additional information or troubleshooting help, please refer to the Manual CD enclosed in the package. You may also visit our website or E-mail us for further supports.

E-mail: support@artdio.com.tw

ArtDio Website: <http://www.artdio.com.tw> or <http://www.artdioinc.com>

Step 1: Installation

● IPS-2101h Functions :

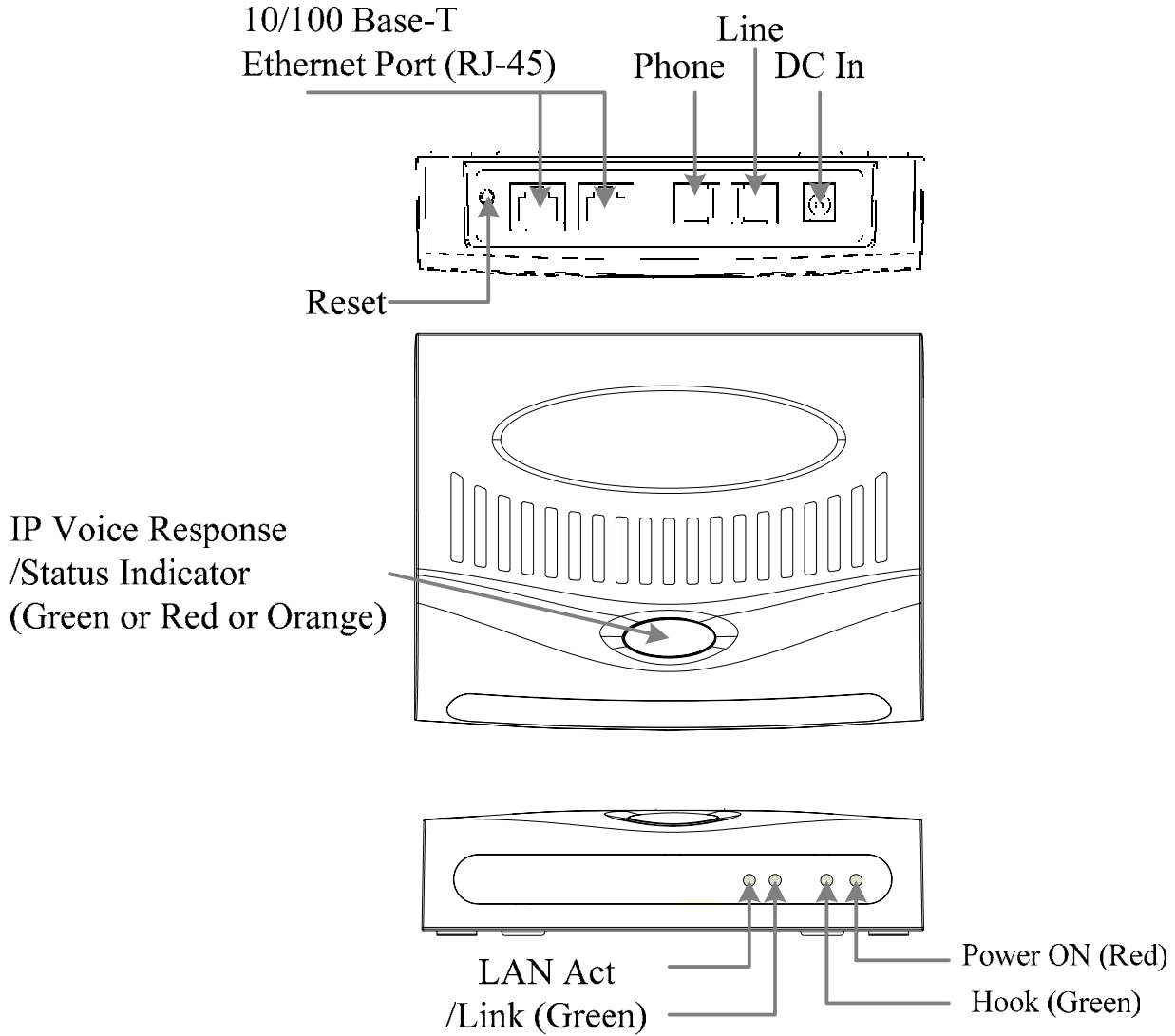


Figure 1-1

Step 2: Network Configuration

The IPS-2101h configured below already has the VoIP account registered on it. If you do not have an account or are unable to register it, please contact to your VoIP service provider.

2-1 Connection with an IP sharing device or a router:

Deploy this connection when you have an IP sharing device with only one LAN port.

Installation: Plug one end of the RJ-45 cable to one of the LAN port on the IPS-2101h, and plug another end to one of the LAN port of your router. Another LAN port is available for you to connect to another Internet device or to your PC. Once the Indicator on the IPS-2101h becomes green, the hardware installation is completed.

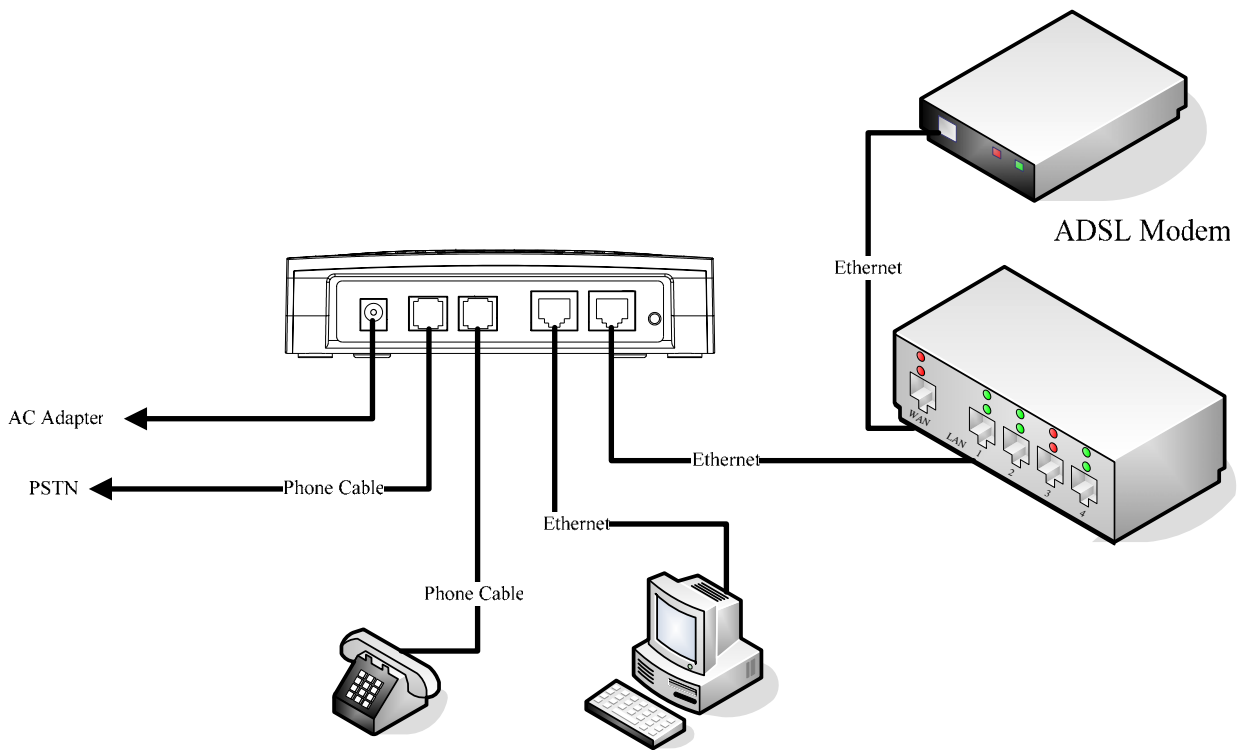


Figure 1-2

2-2 Connection without an IP sharing device or a router:

Deploy this connection for those users who are using ADSL PPPoE service and have only one computer. However, the ISP should allow more than two accounts log on the Internet. Place the IPS-2101h between the ADSL modem and your computer.

Installation: Plug one end of the RJ-45 cable to one of the LAN port on the IPS-2101h, and plug another end to one of the LAN port of your Hub. There is another LAN port available for you to connect to another Internet device or to your PC. Once the Indicator on the IPS-2101h becomes green, the hardware installation is completed.

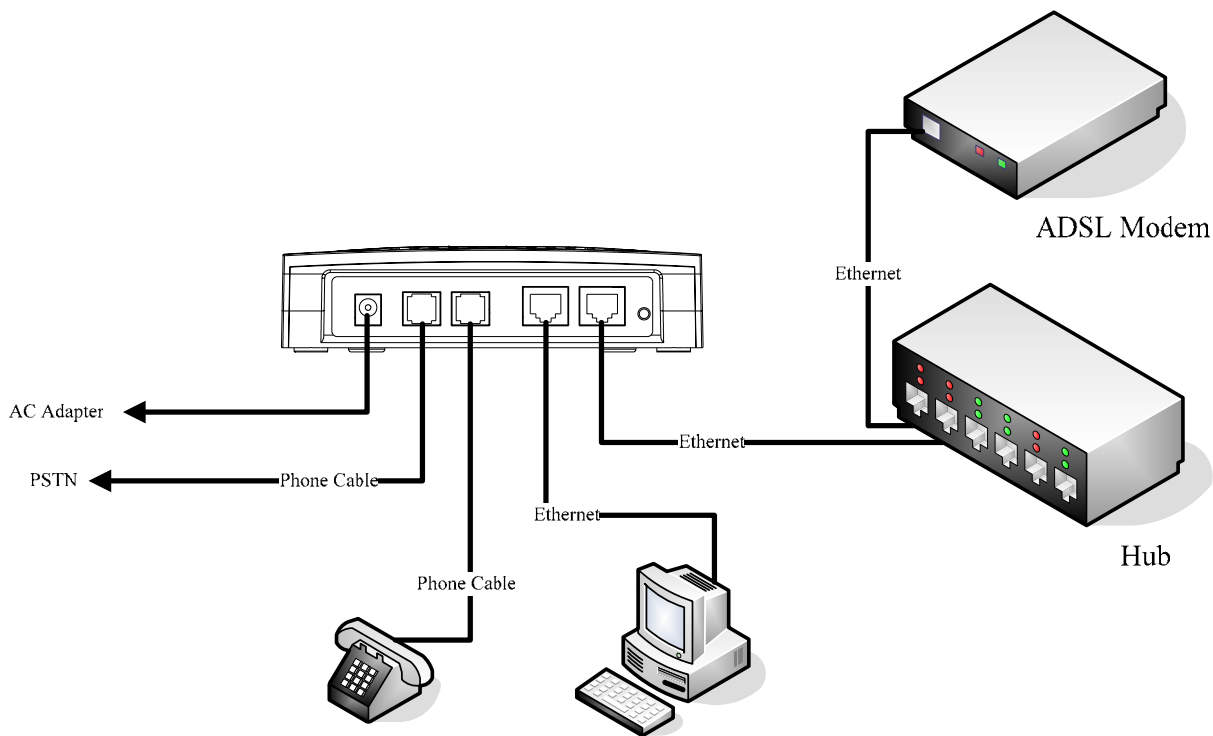


Figure 1-3

- The PC in the figure is an optional device.
- For advance information about your network environment, please contact your Internet Service Provider (ISP).

2-3 Network Settings 【The default Network Settings for IPS-2101h is DHCP】

2-3-1 Static IP Settings

Please fill up the Public or Private IP address of your IPS-2101h, Subnet Mask, and Default Gateway.

1. Connect the RJ-45 Ethernet cable to the LAN port on the IPS-2101h, and then plug in the power.
2. Connect the RJ-11 telephone cable to the FXS port on the IPS-2101h.
3. Pick up the phone. If you hear some short “Du Du Du” tones, or one long “Du” tone, the connection is good.
4. Pick up the phone → Press **1234** → Press IP address, for example, 192.168.1.101 (use “*” to represent “.”) → Press the Indicator button on IPS-2101h → Hang up the phone to reboot IPS-2101h and to activate the new IP address.
5. Open the Internet Explorer, and fill up the network information in the figure below.

network settings					
iptype	static	ppp id		ppp pin	
local ip	192.168.1.101	subnet mask	255.255.255.0	router ip	192.168.1.252
dns	192.168.1.2	dns2	168.95.1.1		

Fill up the IP addresses of the Subnet Mask, Default Gateway (Router), and DNS (if not provided by the ISP, fill up the IP address of default gateway).

6. Click *Save/Reboot*. IPS-2101h will save the settings and then reboot.
7. Once the indicator on the IPS-2101h turns to green, the phone is ready for use.

2-3-2 PPPoE Settings

1. Connect the PPPoE cable to the LAN port on the IPS-2101h, and then plug in the power.
2. Connect the RJ-11 telephone cable to the FXS port on the IPS-2101h.
3. Configure the IPS-2101h as Static IP mode → Under the same domain of your computer, assign the IPS-2101h an IP address different from your computer (Note 1). Please refer to the Static IP Settings (Step 1~4).
4. Open the Internet Explorer. Fill up the IP address you just assigned in the *local ip* field,
5. Select pppoe in the *iptype* field; Fill up your PPPoE account in the *ppp id* field; Fill up the PPPoE account password in the *ppp pin* field.

network settings					
ip type	pppoe	ppp id		ppp pin	
local ip	192.168.1.72	subnet mask	255.255.255.0	router ip	192.168.1.252
dns	192.168.1.2	dns2	168.95.1.1		

6. Click *Save/Reboot*. IPS-2101h will save the settings and then reboot.
7. Once the indicator on the IPS-2101h turns to green, the phone is ready for use.

<Note>In most cases, if your computer has the IP address 192.168.1.5, then your IPS-2101h may have IP address between 192.168.1.2 ~192.168.1.254 (first three sets of numbers should be the same) except for your computer’s IP address, which should be 192.168.1.5.

If you are not sure of the IP address you are going to assign is available or not, you can use the “ping” command in the DOS window. For example, if you would like to assign 192.168.1.101 to your IPS-2101h, then in the DOS window, type “ping 192.168.1.101” and then press enter. If it shows “request time out”, this IP address has not been used and is available for your IPS-2101h.

2-3-3 DHCP Settings

1. Connect the RJ-45 Ethernet cable to the LAN port on the IPS-2101h, and then plug in the power.
2. Connect the RJ-11 telephone cable to the FXS port on the IPS-2101h.
3. Pick up the phone. If you hear some short “Du Du Du” tones, or one long “Du” tone, the connection is good.
4. Pick up the phone → Press **12341** → Press the Indicator button on IPS-2101h → Hang up the phone. IPS-2101h will then reboot.
5. Once the indicator on the IPS-2101h turns to green, the phone is ready for use.

2-3-4 Web Configuration:

When the IPS-2101h successfully connects to the Internet, start a web browser, such as Microsoft’s Internet Explorer (IE), then enter the IPS-2101h’s IP address on the address field. You can acquire the IP address by pressing button on IPS-2101h.

Once the web browser connects to the IPS-2101h, you will see the login window. The default password for IPS-2101h is **12345678**. Enter the password and click on the “Login” button, you will be logged into the IPS-2101h web configuration page.

❖ For more detailed configuration information, please refer to the IPS-2101h User Manual in the Installation CD.

2-3-5 Registration Messages:

Once the account is successfully registered on the IPS-2101h, the indicator button on the IPS-2101h will be green light. If the registration is not successful, the indicator button will be red flash light. The possible reasons of the registration failure would be:

- Internet connection fails. (Fail to acquire the IP address under the DHCP and PPPoE mode, or some IP configurations errors under the Static IP mode),
- Registration fails. (Fail to register to the VoIP server)

2-3-6 Making Calls:

Pickup the phone. After hearing the ring tone, you can dial the number. Press # right after the number (or wait for 4 seconds without pressing #). Once you hear long “Du Du” tones from the phone, the phone on another side is ringing.