

IP PBX System

IPX-330/IPX-2100/IPX-2500

Internet Telephony PBX System



Internet Telephony PBX System
(30/100/500 SIP Users Registrations)

IPX-330/IPX-2100/IPX-2500

Quick Installation Guide

Table of Contents

1. IPX-330	4
1.1 Package Contents	4
1.2 Hardware Installation	4
1.2.1 Safety Instructions	4
1.2.2 Physical Introduction	5
1.2.3 LED & Button Definitions.....	5
1.2.4 Placement.....	6
1.2.5 Physical Connection	6
1.3 Basic System Configuration	7
1.3.1 Web Login	7
1.3.2 Configuring the Network Setting	8
1.3.3 Changing IP Address or forgotten Admin Password	9
2. IPX-2100	10
2.1 Package Contents	10
2.2 Hardware Installation	10
2.2.1 Safety Instructions	10
2.2.2 Physical Introduction	11
2.2.3 LED & Button Definitions.....	11
2.2.4 Placement.....	12
2.2.5 Physical Connection	12

2.3	Basic System Configuration	13
2.3.1	Web Login	13
2.3.2	Configuring the Network Setting	14
2.3.3	Changing IP Address or Forgotten Admin Password	15
3.	IPX-2500	16
3.1	Package Contents	16
3.2	Hardware Installation	16
3.2.1	Safety Instructions	16
3.2.2	Physical Introduction	17
3.2.3	LED & Button Definitions.....	17
3.2.4	Placement.....	18
3.2.5	Physical Connection	18
3.3	Basic System Configuration	18
3.3.1	Web Login	18
3.3.2	Configuring the Network Setting	20
4.	Further Configuration	22

1. IPX-330

1.1 Package Contents

Thank you for purchasing PLANET Internet Telephony PBX system, IPX-330. This Quick Installation Guide will introduce how to finish the basic setting of connecting the web management interface and the Internet. Open the box of the Internet Telephony PBX system and carefully unpack it. The box should contain the following items:

- IPX-330 x 1
- Quick Installation Guide x 1
- User's Manual CD x 1
- Power Adapter x 1 (12V DC)
- RJ45 x 1

If any of the above items are damaged or missing, please contact your dealer immediately.

1.2 Hardware Installation

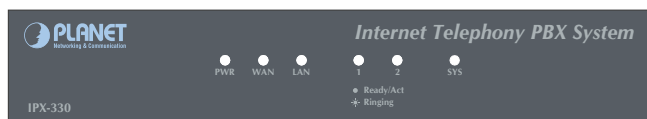
The following are instructions for setting up PLANET IPX-330. Refer to the illustration and follow the simple steps below to quickly install your Internet Telephony PBX system.

1.2.1 Safety Instructions

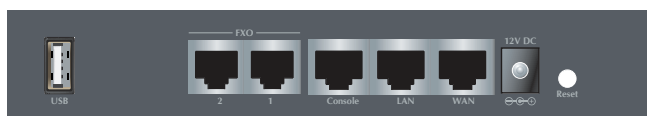
The following are the safety instructions for Internet Telephony PBX system before installing.

- The maximum operating temperature of the IPX-330 is 0~40°C, which allows sufficient air circulation.
- The connections and equipment that supply power to the IPX-330 should be capable of operating safely with the maximum power requirements of the IPX-330. In the event of a power overload, the supply circuits and supply wiring should become hazardous.
- The power adapter must plug into the right supply voltage. Make sure that the supplied power voltage is correct and stable. If the input power voltage is over 10% lower than the standard, it may cause the IPX-330 to malfunction.
- Generally, when installed after the final configuration, the product must comply with the applicable safety standards and regulatory requirements of the country in which it is installed. If necessary, consult for technical support.

1.2.2 Physical Introduction



Front Panel of the IPX-330



Rear Panel of the IPX-330

1.2.3 LED & Button Definitions

LED definitions

Front Panel LED	Status	Description
PWR	Steady Green Off	PBX Power ON PBX Power OFF
SYS	Blinking Green On Off	System is working System doesn't boot System fails
WAN	Blinking Green On Off	Data is transferring PBX network connection established Waiting for network connection
LAN	Blinking Green On Off	Data is transferring PBX network connection established Waiting for network connection
FXO	Steady Red Blinking Off	Ready/Standby Ringing Module not available

Button definitions

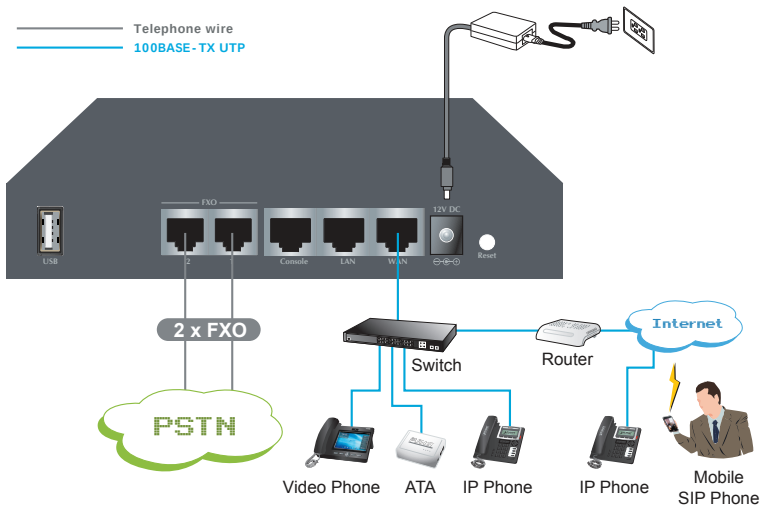
Button	Action	Description
Reset	Press less than 5 secs.	System reboot
	Press over 6 secs.	Reset to Factory Default

1.2.4 Placement

Make sure the device is placed in a safe environment to avoid equipment failure.

- DO NOT place anything on top of the device. Excessive weight could damage it.
- DO NOT obstruct ventilation slots on each side of the IPX-330 or expose it to direct sunlight or other heat sources. Be sure that there is adequate air flow around the IPX-330.
- Place the IPX-330 on a flat surface to avoid any damage.

1.2.5 Physical Connection



Physical Connection Topology of the IPX-330

1.3 Basic System Configuration

1.3.1 Web Login

Step 1. Connect a computer to a LAN port on the IPX-330. Your PC must be set up to the same domain as 192.168.0.X of the IPX-330.

Step 2. Start a web browser. To use the user interface, you need a PC with Internet Explorer (version 8 or higher), Firefox, or Safari (for Mac).

Step 3. Enter the default LAN IP address of the IPX-330: 192.168.0.1 into the URL address box.

Step 4. Enter the default user name **admin** and the default password **admin**, and then click Login to enter Web-based user interface.

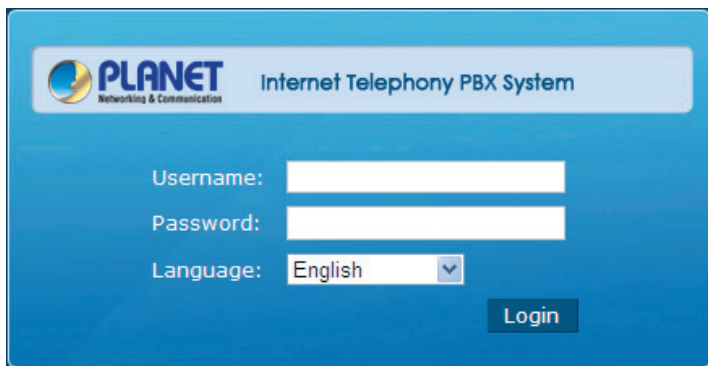
(Default IP) For increased security, please use https to access IPX-330.

Default WAN IP: <https://172.16.0.1>

Default LAN IP: <https://192.168.0.1>

Default User Name: **admin**

Default Password: **admin**



Login page of the IPX-330

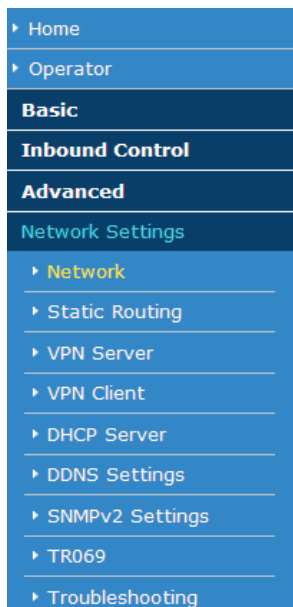


Note

For security reason, please change and memorize the new password after this first setup.

1.3.2 Configuring the Network Setting

Step 1. Go to Network Settings → **Network**



Network button

Network		
IPv4 Settings	IPv6 Settings	VLAN Settings
WAN Port Setup		
IP Assign: Static		
IP Address: <u>172.16.0.1</u>		
Subnet Mask: <u>255.255.0.0</u>		
Gateway: <u>172.16.0.254</u>		
Primary DNS: <u>8.8.8.8</u>		
Alternative DNS: <u>168.95.1.1</u>		
LAN Port Setup		
IP Address: <u>192.168.0.1</u>		Subnet Mask: <u>255.255.255.0</u>
☐ IP AddressV1: _____	Subnet MaskV1: _____	
☐ IP AddressV2: _____	Subnet MaskV2: _____	

Network setting page

Step 2. Edit your WAN port IP information.

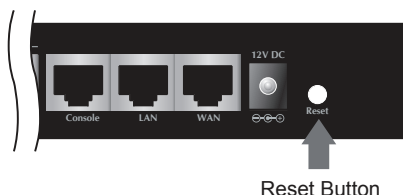
There are three types of Ethernet port connection. They are **Static IP**, **DHCP** and **PPPoE** (Point-to-Point Protocol over Ethernet). You can find a detailed setting process in the user manual.

The screenshot shows a 'Network' configuration window with three tabs: 'IPv4 Settings', 'IPv6 Settings', and 'VLAN Settings'. The 'WAN Port Setup' section is active, showing a dropdown menu for 'IP Assign:' with 'Static' selected. Below it, 'IP Address:' is set to '1', 'Subnet Mask:' to '2', 'Gateway:' to '172.16.0.254', 'Primary DNS:' to '8.8.8.8', and 'Alternative DNS:' to '168.95.1.1'. The 'LAN Port Setup' section below it shows 'IP Address:' set to '192.168.0.1' and 'Subnet Mask:' to '255.255.255.0'. There are checkboxes for 'IP AddressV1:' and 'IP AddressV2:', both of which are unchecked.

Selection of IP Connection Type

1.3.3 Changing IP Address or forgotten Admin Password

To reset the IP address to the default IP address "192.168.0.1" (LAN) or reset the login password to default value, press the reset button on the front panel for **more than 6 seconds**. After the device is rebooted, you can login the management Web interface within the same subnet of 192.168.0.x.



Reset Button



After pressing the "Reset" button, all the system data will be reset to default; if possible, back up the config file before resetting.

2. IPX-2100

2.1 Package Contents

Thank you for purchasing PLANET Internet Telephony PBX system, IPX-2100. This Quick Installation Guide will introduce how to finish the basic setting of connecting the web management interface and the Internet. Open the box of the Internet Telephony PBX system and carefully unpack it. The box should contain the following items:

- IPX-2100 x 1
- Quick Installation Guide x 1
- User's Manual CD x 1
- Power Adapter x 1 (12V)
- Power Cord x 1
- RJ45 x 1
- Bracket x 2

If any of above items are damaged or missing, please contact your dealer immediately.

2.2 Hardware Installation

The following are instructions for setting up PLANET IPX-2100. Refer to the illustration and follow the simple steps below to quickly install your Internet Telephony PBX system.

2.2.1 Safety Instructions

The following are the safety instructions for Internet Telephony PBX system before installing.

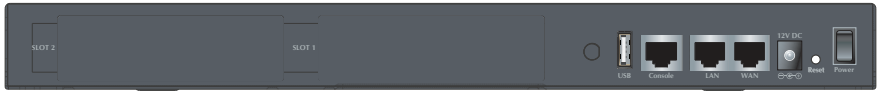
- The maximum operating temperature of the IPX-2100 is 0~40°C. Care must be taken to allow sufficient air circulation.
- The connections and equipment that supply power to the IPX-2100 should be capable of operating safely with the maximum power requirements of the IPX-2100. In the event of a power overload, the supply circuits and supply wiring should become hazardous.
- The power adapter must plug into the right supply voltage. Make sure that the supplied power voltage is correct and stable. If the input power voltage is over 10% lower than the standard, it may cause the IPX-2100 to malfunction.

- Generally, when installed after the final configuration, the product must comply with the applicable safety standards and regulatory requirements of the country in which it is installed. If necessary, consult for technical support.

2.2.2 Physical Introduction



Front Panel of the IPX-2100



Rear Panel of the IPX-2100



Note

1. Supporting 2 slots, user can buy expansion module like IPX-21FO (4 x FXO), IPX-21SL (2 x FXO + 2 x FXS) or IPX-21GS (4 x GSM) for extending port service.
2. If IPX-21GS is used, please disable pin lock function. Otherwise, dial out or call in will not be available.

2.2.3 LED & Button Definitions

LED definitions

Front Panel LED	Status	Description
PWR	Steady Green Off	PBX Power ON PBX Power OFF
SYS	Blinking Green On Off	System is working System doesn't boot System fails
WAN	Blinking Green On Off	Data is transferring PBX network connection is established Waiting for network connection
LAN	Blinking Green On Off	Data is transferring PBX network connection is established Waiting for network connection

FXO	Steady Red Flashing Off	Ready/Standby Ringing Module not available
GSM	Steady Red Flashing Off	Ready/Standby (SIM card inserted) Ringing No SIM card insert
FXS	Steady Green Flashing Off	Ready/Standby Ringing Module not available

Button definitions

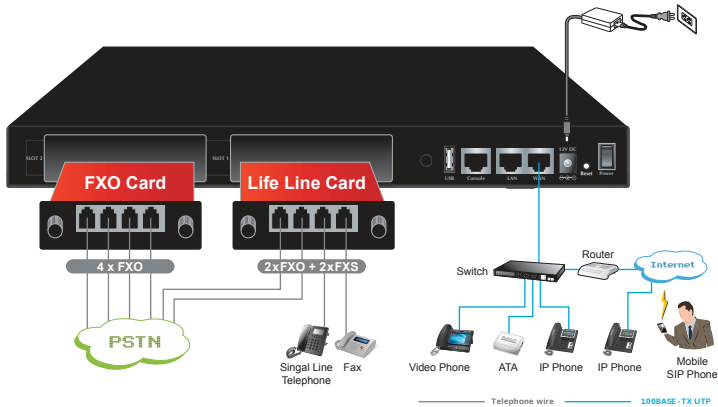
Button	Action	Description
Reset	Press less than 5 secs.	System reboot
	Press over 6 secs.	Reset to factory default

2.2.4 Placement

Make sure the device is placed in a safe environment to avoid equipment failure.

- DO NOT place anything on top of the device. Excessive weight could damage it.
- DO NOT obstruct ventilation slots on each side of the IPX-2100 or expose it to direct sunlight or other heat source. Be sure that there is adequate air flow around the IPX-2100.
- Place the IPX-2100 on a flat surface to avoid any damage.

2.2.5 Physical Connection



Physical Connection Topology of the IPX-2100

2.3 Basic System Configuration

2.3.1 Web Login

Step 1. Connect a computer to a LAN port on the IPX-2100. Your PC must be set up to the same domain as 192.168.0.x as the IPX-2100.

Step 2. Start a web browser. To use the user interface, you need a PC with Internet Explorer (version x8 or higher), Firefox, or Safari (for Mac).

Step 3. Enter the default IP address of the IPX-2100: 192.168.0.1 into the URL address box.

Step 4. Enter the default user name **admin** and the default password **admin**, and then click Login to enter Web-based user interface.

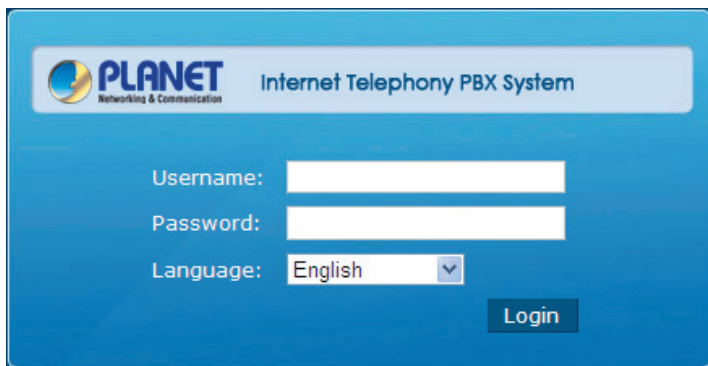
(Default IP) For increased security, please use https to access IPX-2100.

Default WAN IP: <https://172.16.0.1>

Default LAN IP: <https://192.168.0.1>

Default User Name: **admin**

Default Password: **admin**



Login page of the IPX-2100

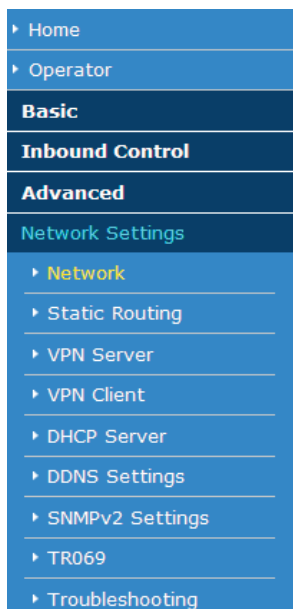


Note

For security reason, please change and memorize the new password after this first setup.

2.3.2 Configuring the Network Setting

Step 1. Go to Network Settings → **Network**



Network button

Network		
IPv4 Settings	IPv6 Settings	VLAN Settings
WAN Port Setup		
IP Assign: Static		
IP Address: <u>172.16.0.1</u>		
Subnet Mask: <u>255.255.0.0</u>		
Gateway: <u>172.16.0.254</u>		
Primary DNS: <u>8.8.8.8</u>		
Alternative DNS: <u>168.95.1.1</u>		
LAN Port Setup		
IP Address: <u>192.168.0.1</u>		Subnet Mask: <u>255.255.255.0</u>
☐ IP AddressV1: _____	Subnet MaskV1: _____	
☐ IP AddressV2: _____	Subnet MaskV2: _____	

Network setting page

Step 2. Edit your ETH port IP information.

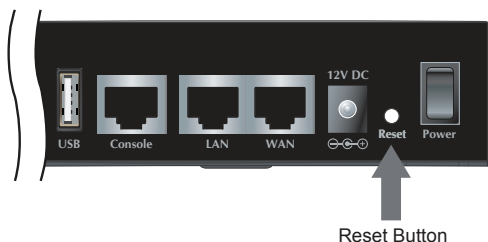
There are three types of Ethernet port connection. They are Static IP, DHCP and PPPoE (Point-to-Point Protocol over Ethernet). You can find a detailed setting process in the user manual.

The screenshot shows a web interface for network configuration. At the top, there are three tabs: 'IPv4 Settings', 'IPv6 Settings', and 'VLAN Settings'. Below these is the 'WAN Port Setup' section. It includes a dropdown menu for 'IP Assign' with 'Static' selected. Below this are fields for 'IP Address' (172.16.0.1), 'Subnet Mask' (255.255.255.0), 'Gateway' (172.16.0.254), 'Primary DNS' (8.8.8.8), and 'Alternative DNS' (168.95.1.1). Below the WAN section is the 'LAN Port Setup' section. It includes fields for 'IP Address' (192.168.0.1) and 'Subnet Mask' (255.255.255.0). There are also checkboxes for 'IP AddressV1' and 'IP AddressV2', each followed by a field for 'Subnet MaskV1' and 'Subnet MaskV2'.

Selection of IP Connection Type

2.3.3 Changing IP Address or Forgotten Admin Password

To reset the IP address to the default IP address "192.168.0.1" (LAN) or reset the login password to default value. Press the reset button on the front panel for more than 6 seconds. After the device is rebooted, you can login the management WEB interface within the same subnet of 192.168.0.x.



Note

After pressing the "Reset" button, all the system data will be reset to default; if possible, back up the config file before resetting.

3. IPX-2500

3.1 Package Contents

Thank you for purchasing PLANET Internet Telephony PBX system, IPX-2500. This Quick Installation Guide will introduce how to finish the basic setting of connecting the web management interface and the Internet. Open the box of the Internet Telephony PBX system and carefully unpack it. The box should contain the following items:

- IPX-2500 x 1
- Quick Installation Guide x 1
- User's Manual CD x 1
- Power Cord x 1
- RJ45 x 1
- Bracket x 2

If any of above items are damaged or missing, please contact your dealer immediately.

3.2 Hardware Installation

The following are instructions for setting up PLANET IPX-2500. Refer to the illustration and follow the simple steps below to quickly install your Internet Telephony PBX system.

3.2.1 Safety Instructions

- The following are the safety instructions for Internet Telephony PBX system before installing.
- The maximum operating temperature of the IPX-2500 is 0~40°C. Care must be taken to allow sufficient air circulation.
- The connections and equipment that supply power to the IPX-2500 should be capable of operating safely with the maximum power requirements of the IPX-2500. In the event of a power overload, the supply circuits and supply wiring should become hazardous.
- The power adapter must be plugged into the right supply voltage. Make sure that the supplied power voltage is correct and stable. If the input power voltage is over 10% lower than the standard, it may cause the IPX-2500 to malfunction.
- Generally, when installed after the final configuration, the product must comply with the applicable safety standards and regulatory requirements of the country in which it is installed. If necessary, consult with technical support.

3.2.2 Physical Introduction



Front Panel of the IPX-2500



Rear Panel of the IPX-2500



Note

Supporting 2 slots, user can buy expansion module like IPX-21FO (4 x FXO) or IPX-21SL (2 x FXO + 2 x FXS) or IPX-21GS (4 x GSM) for extending port service.

3.2.3 LED & Button Definitions

LED definitions

Front Panel LED	Status	Description
PWR	Steady Green Off	PBX Power ON PBX Power OFF
SYS	Blinking Green Off	System is working System is off
WAN	Blinking Green Off	PBX network connection is established Waiting for network connection
LAN	Blinking Green Off	Data is transferring Waiting for network connection
FXO	Steady Red Flashing Off	Ready/Standby Ringing Module not available
GSM	Steady Red Flashing Off	Ready/Standby Ringing Module not available
FXS	Steady Green Flashing Off	Ready/Standby Ringing Module not available
USB	Void	Future Feature
Audio	Void	Future Feature

Button definitions

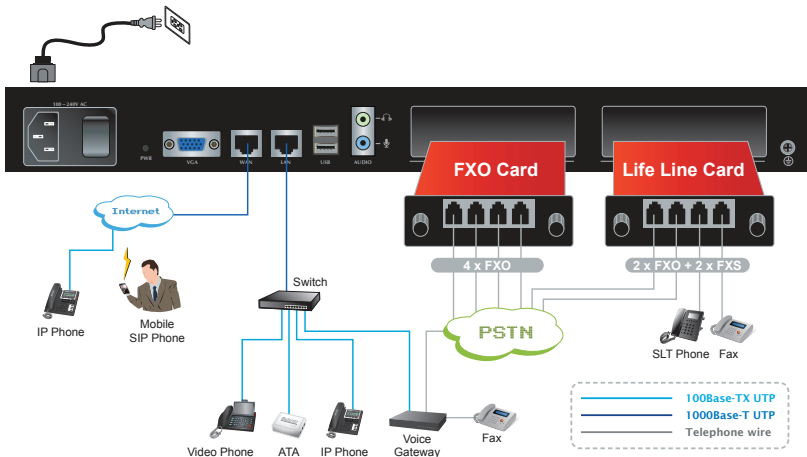
Button	Action	Description
PWR	Press over 3 secs.	PBX Power ON/OFF

3.2.4 Placement

Make sure the device is placed in a safe environment to avoid equipment failure.

- DO NOT place anything on top of the device. Excessive weight could damage it.
- DO NOT obstruct ventilation slots on each side of the IPX-2500 or expose it to direct sunlight or other heat sources. Be sure that there is adequate air flow around the IPX-2500.
- Place the IPX-2500 on a flat surface to avoid any damage.

3.2.5 Physical Connection



Physical Connection Topology of the IPX-2500

3.3 Basic System Configuration

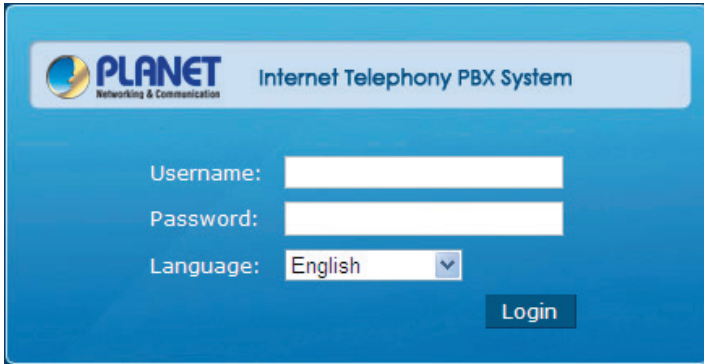
3.3.1 Web Login

Step 1. Connect a computer to a LAN port on the IPX-2500. Your PC must be set up to the same domain as 192.168.0.X as the IPX-2500.

- Step 2.** Start a web browser. To use the user interface, you need a PC with Internet Explorer (version 6 or higher), Firefox, or Safari (for Mac).
- Step 3.** Enter the default IP address of the IPX-2500: 192.168.0.1 into the URL address box.
- Step 4.** Enter the default user name **admin** and the default password **admin**, and then click Login to enter Web-based user interface.

(Default IP)

Default WAN IP: 172.16.0.1
Default LAN IP: 192.168.0.1
Default User Name: **admin**
Default Password: **admin**



Login page of the IPX-2500

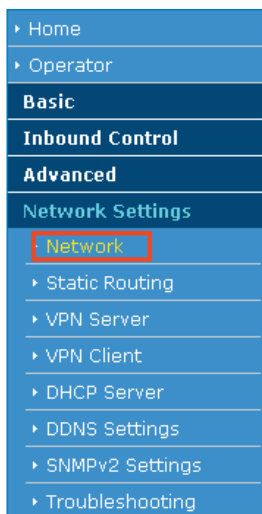


Note

For security reason, please change and memorize the new password after this first setup.

3.3.2 Configuring the Network Setting

Step 1. Go to Network Settings → **Network**



Network button

Network		
IPv4 Settings	IPv6 Settings	VLAN Settings
Ethernet Port Setup		
IP Assign: Static		
Hostname: <u>IPPBX</u>		
IP Address: <u>192.168.1.198</u>		
Subnet Mask: <u>255.255.255.0</u>		
Gateway: <u>192.168.1.254</u>		
Primary DNS: <u>192.168.1.254</u>		
Alternate DNS: <u></u>		
Virtual Interface		
☐ IP AddressV1:	<u></u>	Subnet MaskV1: <u></u>
☐ IP AddressV2:	<u></u>	Subnet MaskV2: <u></u>

Network setting page

Step 2. Edit your WAN port IP information.

There are three types of Ethernet port connection. They are **Static IP**, **PPPoE** (Point-to-Point Protocol over Ethernet) and DHCP. You can find a detailed setting process in the user manual.

Network

IPv4 Settings

IPv6 Settings

VLAN Settings

Ethernet Port Setup

IP Assign:

Static

Static

DHCP

198

PPPoE

255.255.255.0

Gateway:

192.168.1.254

Primary DNS:

192.168.1.254

Alternate DNS:

Virtual Interface

☐ IP AddressV1:

☐ IP AddressV2:

Subnet MaskV1:

Subnet MaskV2:

Selection of IP Connection Type

4. Further Configuration

Thank you for purchasing PLANET products. The above steps introduce the simple configurations of the IPX-330, IPX-2100 and IPX-2500. For further configuration, please refer to the user's manual on the CD. If you have other questions, please contact the **local dealer** or **distributor** where you purchased this product.

You also can browse our online FAQ resource at the PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET support team.

PLANET online FAQ :

<http://www.planet.com.tw/en/support/faq.php>

IP Telephony support team mail address :

support_voip@planet.com.tw

Copyright © PLANET Technology Corp. 2016.

Contents are subject to revision without prior notice.

PLANET is a registered trademark of PLANET Technology Corp. All other trademarks belong to their respective owners.

www.PLANET.com.tw