Internet Telephony PBX System (30/100/200/500 SIP Users Registrations)

IPX-330/IPX-2100/IPX-2200/IPX-2500

Quick Installation Guide

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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 System is working On System doesn't boot Off System failed	
WAN Blinking Green On Off LAN Blinking Green On Off FXO Steady Red Blinking Off		Data is transferring PBX network connection established Waiting for network connection
		Data is transferring PBX network connection established Waiting for network connection
		Ready/Standby Ringing Module not available

Button definitions

Button	Action	Description		
Decet	Press less than 5 secs.	System reboot		
Resel	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: <u>https://172.16.0.1</u> Default LAN IP: <u>https://192.168.0.1</u> Default User Name: **admin** Default Password: **admin**

	ternet Telephony PBX System
Username:	
Password:	
Language:	English 💌
	Login

Login Page of the IPX-330



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 Sett	ings	IPv6 Se	ettings	VL4	AN Settings		
WAN Por	WAN Port Setup							
			IP Assign	: Static 💌				
			IP Address:	172.16.0.1				
		Su	bnet Mask:	255.255.0.0				
			Gateway:	172.16.0.254				
		Pi	imary DNS:	8.8.8.8				
		Alter	native DNS:	168.95.1.1				
LAN Port	Setup							
	IP Address:	192.168	.0.1	Subne	t Mask:	255.255.255.0		
	IP AddressV1:			Subnet N	/askV1:			
	IP AddressV2:			Subnet N	1askV2:			

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.

Network							
	IPv4 Sett	ings	IPv6 S	ettings	VL	AN Settings	
WAN Por	t Setup						
		1 Su Pr Alterr	IP Assign IP Address: bnet Mask: Gateway: imary DNS: native DNS:	Static Static DHCP 2 PPPoE 172.16.0.2 8.8.8.8 168.95.1.1	54		
LAN Port	LAN Port Setup						
	IP Address: IP AddressV1:	192.168	.0.1	Subnet I Subnet I	et Mask: MaskV1:	255.255.255.0	

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.





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



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 failed
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 inserted
FXS	Steady Green Flashing Off	Ready/Standby Ringing Module not available

Button definitions

Button	Action	Description		
Decet	Press less than 5 secs.	System reboot		
Reset	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: <u>https://172.16.0.1</u> Default LAN IP: <u>https://192.168.0.1</u> Default User Name: **admin** Default Password: **admin**

	ternet Telephony PBX System
Username:	
Password:	
Language:	English 💌
	Login

Login Page of the IPX-2100



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 Sett	ings	IPv6 S	ettings	VL4	AN Settings		
WAN Por	WAN Port Setup							
			IP Assign	: Static 💌				
			IP Address:	172.16.0.1				
		Su	bnet Mask:	255.255.0.0				
			Gateway:	172.16.0.254				
		Pi	rimary DNS:	8.8.8.8				
		Alter	native DNS:	168.95.1.1				
LAN Port	Setup							
	IP Address:	192.168	.0.1	Subne	t Mask:	255.255.255.0		
	P AddressV1:			Subnet M	laskV1:			
	P AddressV2:			Subnet M	1askV2:			

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.

Network			
IPv4 Settings	IPv6 Se	ttings	VLAN Settings
WAN Port Setup			
S I Alte	IP Assign: IP Address: Gubnet Mask: Gateway: Primary DNS: rnative DNS:	Static 1 Static DHCP 2 PPPOE 172.16.0.23 8.8.8 168.95.1.1	54
IP Address: 192.16	8.0.1	Subne	t Mask: 255.255.255.0
IP AddressV1: IP AddressV2:		Subnet N Subnet N	1askV1:

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.





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-2200

3.1 Package Contents

Thank you for purchasing PLANET Internet Telephony PBX system, IPX-2200. 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-2200 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-2200. 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-2200 is 0~40°C. Care must be taken to allow sufficient air circulation.
- The connections and equipment that supply power to the IPX-2200 should be capable of operating safely with the maximum power requirements of the IPX-2200. 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-2200 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.

3.2.2 Physical Introduction

PWE SYS WAN LAN 1 2 3 4 1	SLOT 2 ● FXO/GSM ● PXS 2 3 4 钟 Kinging	Internet Telephony PBX System
Front Panel of the IPX-220	00	



Rear Panel of the IPX-2200



3.2.3 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 booting or failed
WAN	Blinking Green Off	Data is transferring No data transmitting
LAN	Blinking Green Off	Data is transferring No data transmitting
FXO	Steady Red Flashing Off	Channel loading succeeded Channel ringing Channel loading failed

GSM	Steady Red Flashing Off	Channel loading succeeded Channel ringing Channel loading failed
FXS	Steady Green Flashing Off	Channel loading succeeded Channel ringing Channel loading failed

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-2200 or expose it to direct sunlight or other heat source. Be sure that there is adequate air flow around the IPX-2200.
- Place the IPX-2200 on a flat surface to avoid any damage.

3.2.5 Physical Connection



Physical Connection Topology of the IPX-2200

3.3 Basic System Configuration

3.3.1 Web Login

- **Step 1.** Connect a computer to a LAN port on the IPX-2200. Your PC must be set up to the same domain as 192.168.0.x as the IPX-2200.
- **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-2200: https://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-2200.

Default WAN IP: <u>https://172.16.0.1</u> Default LAN IP: <u>https://192.168.0.1</u> Default User Name: **admin** Default Password: **admin**

Internet Telephony PBX System					
Username:					
Password:					
Language:	English 💌				
	Login				

Login Page of the IPX-2200



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 S	ettings	VLAN Settings
WAN Port Setup			
	IP Assign	: Static 💌	
	IP Address:	172.16.0.1	
	Subnet Mask:	255.255.0.0	
	Gateway:	172.16.0.254	
	Primary DNS:	8.8.8	-
A	lternative DNS:	168.95.1.1	-
LAN Port Setup			
IP Address: 192.	168.0.1	Subnet Ma	sk: 255.255.255.0
□ IP AddressV1:		Subnet Mask\	/1:
□ IP AddressV2:		Subnet Mask\	/2:

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.

Network			
IPv4 Sett	ings IF	v6 Settings	VLAN Settings
WAN Port Setup			
	IP A IP Addr Subnet M Gatev Primary I Alternative I	ssign: Static ess: 1 Static DHCP ask: 2 PPPoE vay: 172.16.0.2 8.8.8.8 DNS: 168.95.1.3	254 1
LAN Port Setup			
IP Address:	192.168.0.1	Subn	et Mask: 255.255.255.0
□ IP AddressV1:		Subnet	MaskV1:
□ IP AddressV2:		Subnet	MaskV2:

Selection of IP Connection Type

4. IPX-2500

4.1 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.

4.2 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.

4.2.1 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.

4.2.2 Physical Introduction





Rear Panel of the IPX-2500



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

4.2.3 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 booting or failed
WAN	Blinking Green Off	Data transmitting No data transmitting
LAN	Blinking Green Off	Data transmitting No data transmitting
FXO	Steady Red Flashing Off	Channel loading succeeded Channel ringing Channel loading failed
GSM	Steady Red Flashing Off	Channel loading succeeded Channel ringing Channel loading failed
FXS	Steady Green Flashing Off	Channel loading succeeded Channel ringing Channel loading failed

4.2.4 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.

4.2.5 Physical Connection



Physical Connection Topology of the IPX-2500

4.3 Basic System Configuration

4.3.1 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: https://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-2500.

Default WAN IP: <u>172.16.0.1</u> Default LAN IP: <u>192.168.0.1</u> Default User Name: **admin** Default Password: **admin**

Internet Telephony PBX System					
English					
Login					
r					

Login Page of the IPX-2500



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

4.3.2 Configuring the Network Setting

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



Network Button

Network			
IPv4 Settings	IPv6 S	ettings	VLAN Settings
WAN Port Setup			
	IP Assign	: Static 💌	
	IP Address:	172.16.0.1	
	Subnet Mask:	255.255.0.0	
	Gateway:	172.16.0.254	
	Primary DNS:	8.8.8	-
A	lternative DNS:	168.95.1.1	-
LAN Port Setup			
IP Address: 192.	168.0.1	Subnet Ma	sk: 255.255.255.0
□ IP AddressV1:		Subnet Mask\	/1:
□ IP AddressV2:		Subnet Mask\	/2:

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.

Network					
IPv4 Sett	ings I	IPv6 Settings		VLAN Setting	5
WAN Port Setup					
	IP A IP Add Subnet N Gate Primary Alternative	ssign: 5 ress: 1 1ask: 2 way: 172 DNS: 8.8 DNS: 168	itatic v tatic HCP PPoE 2.16.0.254 .8.8 3.95.1.1		
LAN Port Setup					
IP Address:	192.168.0.1		Subnet M	1ask: 255.255.	255.0
□ IP AddressV1:			Subnet Mas	skV1:	
□ IP AddressV2:			Subnet Mas	skV2:	

Selection of IP Connection Type

5. Further Configuration

Thank you for purchasing PLANET products. The above steps introduce the simple configurations of the IPX-330, IPX-2100, IPX-2200 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 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

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