

300 Ext.
IPX-1900

Internet Telephony PBX System

Rich Features Enterprise IP PBX



Quick Installation Guide

Internet Telephony PBX system

IPX-1900

Quick Installation Guide

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Document Objectives

This guide provides physical installation, network configurations, and Internet access establishment information for the PLANET Internet Telephony PBX System.

Equipment Packaging & Overview

	<p>Package Contents</p> <ul style="list-style-type: none">IP PBX UnitPower adapter (12V)Quick Installation GuideUser's Manual CDRJ-45 cableRS-232 cableRack mount
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Installation Connect the IP PBX

Physical Introduction



Figure1. Front Panel of IP-1900

Front Panel LED	State	Descriptions
PWR	On Off	PBX Power ON PBX Power OFF
SYS	On Flashing	System is booting System is ready
LAN	On Flashing Off	LAN is connected successfully Data is transmitting Ethernet not connected to PC
WAN	On Flashing Off	PBX network connection established Data traffic on cable network Waiting for network connection
FXO/FXS Port	On Flashing Off	Port is busy Ring indication. (FXS only) Port is not enabled.

Table 1. Front Panel description of IP PBX

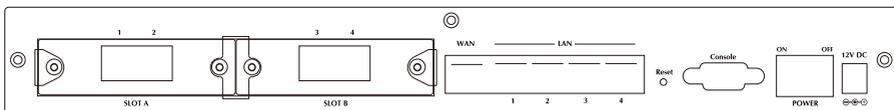


Figure 2. Rear Panel of IPX-1900

12V DC	12V DC Power input outlet
Power Switch	"I" power is on, "O" Power is off
Reset (Rest Button)	Push this button until 3 -5 seconds, and IP PBX will be set to factory default configuration.
RS – 232 Port	9 pin RS232 Serial port, Data rates 57600 bits.
LAN (Local Area network)	Connect to PC with Ethernet cable. 1 port allows your PC or Switch/Hub to be connected to the IPBX through a networking cable with RJ-45 connectors used on 10Base-T and 100Base-TX networks.
WAN (Wide Area network)	Connect to the network with an Ethernet cable. This port allows your IPBX to be connected to an Internet Access device, e.g. router, cable modem, ADSL modem, through a networking cable with RJ-45 connectors used on 10Base-T and 100Base-TX networks.
Slot A/B	2 external slots with compliance FXO/FXS/FSL module.
FXS Port (Modular IPX-19FS)	Connect to Phone with RJ-11 (Black) analog line. FXS port was connected to your telephone sets, FAX, or Trunk Line of PBX.
FXO Port (Modular IPX-19FO)	Connect to PBX or CO line with RJ-11 (White) analog line. FXO port was connected to the extension port of a PBX or directly connected to a PSTN line of carrier
Note: IPX-19SL 2-Port PBX Life Line Module IPX-1900 (1FXO, 1FXS)	

Table 2. Rear Panel description of IP PBX



Physical Installation

Step 1: Connecting Power AC Power (12V DC).



Note

Use only the power adapter shipped with the unit to ensure correct functionality.

Step 2: Connecting LAN to a PC

1. Connect the Ethernet cable (with RJ-45 connector) to LAN port.
2. Connect the other end of the Ethernet cable to your PC's installed network interface card (NIC).

Step 3: Connecting WAN to Internet

1. Connect the Ethernet cable (with RJ-45 connector) to WAN port.
2. Connect the other end of the Ethernet cable to DSL/Cable modem or the external Ethernet hub or switch.

Basic Configuration

A. Web configuration access

The IP PBX provides GUI (Web based, Graphical User Interface) for machine management and administration.

The default IP address of IP PBX LAN side is **192.168.0.1**. You may now open your web browser, and insert **http://192.168.0.1** in the address bar of your web browser to logon Internet IP PBX web configuration page.

The IP PBX will prompt for logon username/password, please enter: **admin / 123** to continue device's administration.



In order to connect the IP PBX for administration, please locate your PC in the same network segment (192.168.0.x) of IP PBX. If you're not familiar with TCP/IP, please refer to related chapter on user's manual CD or consult your network administrator for proper network configurations.

B. IP PBX Quick Configuration

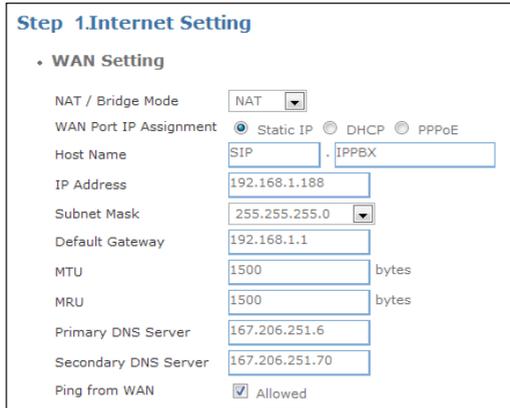
After pass the authentication, please click  for quick IP PBX setup.

For most users, Internet access is the primary application. The IP PBX supports the WAN interface for Internet access and remote access. The following sections will explain more details of WAN Port Internet access and broadband access setup.

Step 1. Internet Setting

Three modes are available for WAN setup

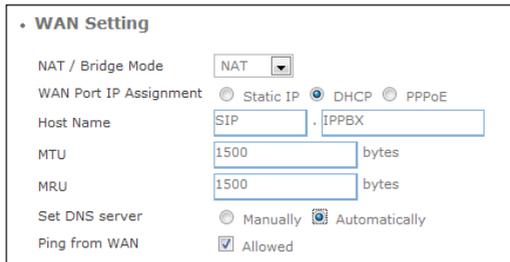
- I. **Fixed – IP User:** If you are a leased line user with a fixed IP address, fill out the following items with the information provided by your ISP.



The screenshot shows the 'Step 1. Internet Setting' wizard for NAT Static mode. The 'WAN Setting' section is expanded. The 'NAT / Bridge Mode' is set to 'NAT'. Under 'WAN Port IP Assignment', 'Static IP' is selected. The 'Host Name' is 'SIP' and 'IPPBX'. The 'IP Address' is '192.168.1.188', 'Subnet Mask' is '255.255.255.0', and 'Default Gateway' is '192.168.1.1'. 'MTU' and 'MRU' are both set to '1500' bytes. 'Primary DNS Server' is '167.206.251.6' and 'Secondary DNS Server' is '167.206.251.70'. 'Ping from WAN' is checked and set to 'Allowed'.

Figure 3. Wizard-NAT Static Setting Screen

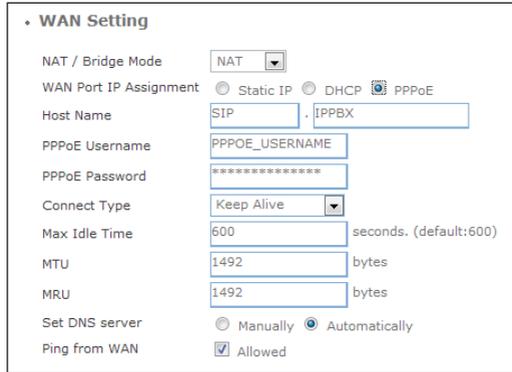
- II. **DHCP – Cable Modem User:** Get WAN IP Address automatically



The screenshot shows the 'Step 1. Internet Setting' wizard for DHCP mode. The 'WAN Setting' section is expanded. The 'NAT / Bridge Mode' is set to 'NAT'. Under 'WAN Port IP Assignment', 'DHCP' is selected. The 'Host Name' is 'SIP' and 'IPPBX'. 'MTU' and 'MRU' are both set to '1500' bytes. Under 'Set DNS server', 'Automatically' is selected. 'Ping from WAN' is checked and set to 'Allowed'.

Figure 4. Wizard-DHCP Setting Screen

III. ADSL Dial-Up User (PPPoE Enable): Some ISP's provide DSL-based service and use PPPoE to establish communication link with end-users. If you are connected to the Internet through a DSL line, check with your ISP to see if they use PPPoE. If they do, you need to select this item.



• WAN Setting

NAT / Bridge Mode: NAT

WAN Port IP Assignment: Static IP DHCP PPPoE

Host Name: SIP .IPPBX

PPPoE Username: PPPOE_USERNAME

PPPoE Password: *****

Connect Type: Keep Alive

Max Idle Time: 600 seconds. (default:600)

MTU: 1492 bytes

MRU: 1492 bytes

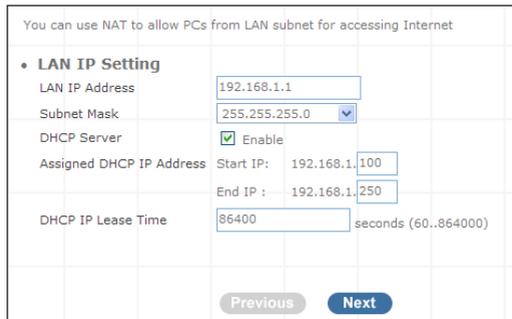
Set DNS server: Manually Automatically

Ping from WAN: Allowed

Figure 5. Wizard-PPPoE Setting Screen

Step 2. NAT setup

NAT (Network Address Translation) is a method of connecting multiple computers to the Internet using one IP address.



You can use NAT to allow PCs from LAN subnet for accessing Internet

• LAN IP Setting

LAN IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

DHCP Server: Enable

Assigned DHCP IP Address: Start IP: 192.168.1.100, End IP: 192.168.1.250

DHCP IP Lease Time: 86400 seconds (60..864000)

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Figure 6. Wizard-LAN IP Setting Screen

LAN IP Address: Private IP address for connecting to a local private network

Subnet Mask: Subnet mask for the local private network (Default: 255.255.255.0).

DHCP Server: Enable to open LAN port DHCP server.

Assigned DHCP IP Address: DHCP server range from start IP to end IP.

DHCP IP Lease Time: Client to ask DHCP server refresh time, range from 60 to 86400 seconds

Step 3. IP PBX Setup

The IP PBX allows multiple ITSP providers / User Extensions registration by simply fill-in the required information in the provided table.

The screenshot displays two tables for configuration. The first table, titled "Add Service Provider" with a red note "Service Provider Max is 30", has columns for Caller Id, UserName, Password, Proxy, Port, and Action. The second table, titled "Add User Extensions" with a red note "Extension Max is 300", has columns for User Extension, Password, Caller Id, and Action. Both tables include "Insert" and "Change" buttons.

Caller Id	UserName	Password	Proxy	Port	Action
<input type="text"/>	<input type="button" value="Insert"/> <input type="button" value="Change"/>				

User Extension	Password	Caller Id	Action
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Insert"/> <input type="button" value="Change"/>

Figure 7. Wizard-IP PBX Setting Screen

Service Provider:

Caller id: Input service provider caller id / name

Username: Input Provider name

Password: Input Provider password

Host: Input Providers server address.

Port: Input Providers Port

User Extensions:

User Extension: Input Extension number

Password: Input Extension password

Caller id: Input Extension caller id

Quick reference in CD-ROM guide

This guide is used to help you startup your IP PBX settings. It is also recommended to check the user manual CD-ROM for more details like the "IP PBX Setup", "Trunk Management", and how to set the device back to default value.

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IP Technology



PLANET Technology Corp.

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