The SIPXpert 160

Quick Reference Guide

Welcome to the SIPXpert 160 Quick Reference Guide!

The SIPXpert 160 Phone is a desktop IP telephone that delivers voice quality calls thru the Internet to peer endpoints over the world.

The SIPXpert 160 supports 3 calling methods:
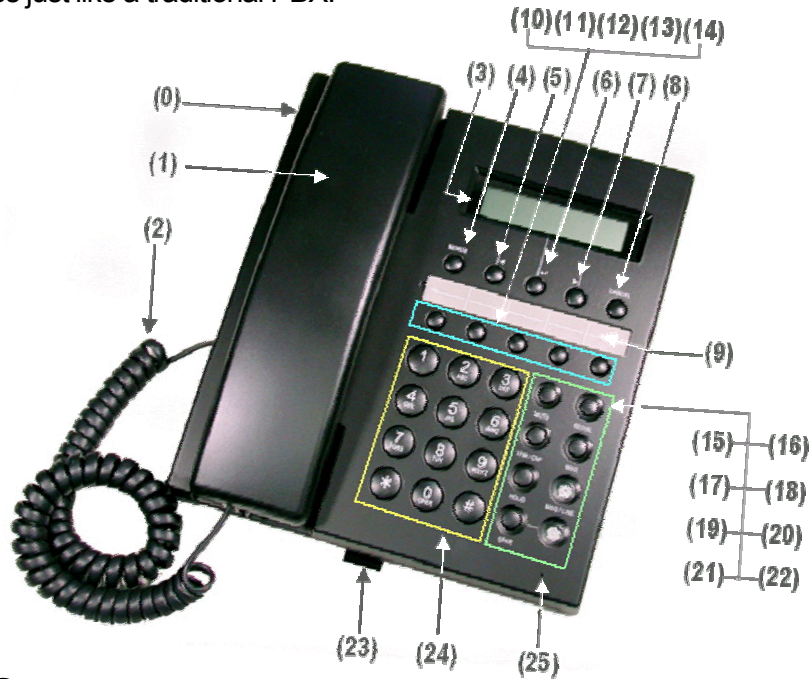
(1) Phone-to-Phone direct dial

    VoIP call to a remote IP phone via its URL address.

(2) Phone-to-Gateway direct dial

    VoIP call to an analogue phone attached to a SIP Gateway via its URL address.

(3) Phone-thru-SIP server dial

    VoIP call to any IP phone(s) or even analog phones by dialing its phone number directly. A SIP Server or IP-enabled PBX system is still needed for central management of all call activities just like a traditional PBX.

LED Indicator Status

There are two LED indicators on the panel of phone. One is associated with the SPKR key (referred as LED1) and the other is marked MSG / LINE (referred as LED2).

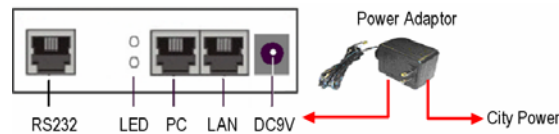| LED Indicator	RED		Green	
	Steady	Flashing	Steady	Flashing
MSG / LINE (LED2)	Downloading or Booting	Message Waiting	Line # 2 is engaging	Line #2 is on hold
SPKR (LED1)	Hand-free on, Line #1 is engaging	Mute or Hold line #1	Call Forward is active	Incoming call ringing

The Parts of the SIPXpert 160 IP Phone

Part #	Feature Name	Description of Application
0	**Main unit**	The IP Phone main unit
1	**Handset**	For making or receiving calls
2	**Handset cable**	Connects the main unit and the handset
3	**LCD Screen**	Displays your settings, phone number, call status, and so forth.
4	**[MENUS]**	Enter the Menus mode for configuration purpose.
5	*Soft key F1,* [◄]	Item Selection on the screen or a Shift Control key for Backward search or to decrease volume.
6	*Soft key F2,* **or** [↵]	Item Selection on the screen or the Enter / Confirm control key.
7	*Soft key F3,* **or** [►]	Item Selection on the screen or shift control key for Forward search or to increase volume.
8	**[CANCEL]**	To quit the current page and go back to the previous page without change the settings.
9	**Hot/Programmable Memory Label**	Paper label for user to write down Hot Speed Dial numbers or Programmable Feature name
10 11 12 13 14	**[P1] to [P5]**	Default is set to [**Hot Speed Dial**], from keys 1 to 5. When programmable features are enabled, different features can be assigned to different buttons [**Pn**], from P1 to P5. Administrator may configure these buttons via Menu displays or Web-management.
15	**[MUTE]**	Mute the current call on or off.
16	**[REDIAL]**	Redial the last dialed number.
17	**[XFR/CNF]**	Transfer a call or conference multiple lines.
18	**[MSG]**	Message Retrieval key to access the Voice Mail System of SIP Server (or IP-enabled PBX).
19	**[HOLD]**	Put the current call on hold.
20	**MSG / LINE**	Message waiting indicator.
21	**[SPKR]**	Activates the Speakerphone for hand-free calls.
22	**SPKR**	LED to indicate the Line 1 status.
23	**Speed Dial Memory Phone List**	Provides easy access for your Speed dial numbers.
24	**[1], [9], [*], [0], [#]**	The numeric dialing pad to dial a number.
25	**Microphone**	A small hole for Microphone input

Installation

A. Initial Testing

Step 1: Attach the handset to the phone main unit. Plug the power cord to the rear panel of phone and plug the power adapter to the wall socket. On the LCD screen, you will see that the phone is "Booting".

Step 2: Confirm there is a dial tone by lifting up the handset. Then press several numbers to see whether the LCD screen is displaying the dialed numbers.

B. How to Connect your SIPXpert

Step 1: Connect the PC to the phone's PC port and the Phone's LAN port to the network hub, switch, or router using a regular Ethernet cable. Remember to plug in the power adapter. Below is a sample setting for an office environment.

Step 2: When the user's PC is connected to the IP phone, confirm that the lower Link/Activity LED beside the RJ-45 "PC" port is lit. When the IP phone is connected to the Ethernet Hub, confirm that the upper Link/Activity LED beside the RJ-45 "PC" port is lit.

Step 3: If the phone has been properly configured (ask your systems administrator or check the Administrator's manual), the IP phones will automatically log onto the server and get ready to place and receive calls.

C. How to Place calls

Step 1: Lift the handset or press the [SPKR] button.

Step 2: Dial a number or URL and press [#] button. To change insert mode from numeric to alphanumeric press [MENUS]

Step 3: To disconnect the call hang up or press [#] button if using the speaker.

Menus Operation

When the phone is in standby mode, user may press [MENUS] key to enter Menus mode. There are many selections of function in Menus. They are listed as follows:

LCD Screen	Description of Action
Menu Selection: Volume Ring Next	**Volume:** to adjust Speaker, Microphone, and Handset. **Ring:** to select a type of ring. **Next:** to proceed to the next selection. [**CANCEL**]: to go to the upper page without change.
Menu Selection: Tone Time Next	**Tone:** Set preferred tone type. **Time:** Set NTP related settings. **Next:** to proceed to the next selection. [**CANCEL**]: to go to the upper page without change.
Menu Selection: Info Progrm Next	**Info:** Phone specific information. **Progrm:** There are 5 programmable buttons on this phone; you can use this menu to select their functions. **Next:** to proceed to the next selection. [**CANCEL**]: to go to the upper page without change.
Menu Selection: DND C-FWD Next	**DND:** Turn on/off the do not disturb (DND). **C-FWD:** Turn on/off various call forward functions and set the call forward numbers. **Next:** to proceed to the next selection. [**CANCEL**]: to go to the upper page without change.
Menu Selection: A-Ans Lock Next	**A-Ans:** Turn on/off auto-answer. **Lock:** Lock the phone to prevent unauthorized use. **Next:** to proceed to the next selection. [**CANCEL**]: to go back to the upper page.
Menu Selection: Record Ping Next	**Record:** Examine the last 10 sets of incoming, outgoing, and missing calls. **Ping:** Perform a PING request to a specific address. You can use this to verify the network or to verify whether some devices are on line or not. **Next:** to proceed to the next selection. [**CANCEL**]: to go back to the upper page.
Menu Selection: P.Book Spd Next	**P.BOOK:** Accessing the phone book. **Spd:** Accessing the speed dial settings. **Next:** to proceed to the next selection. [**CANCEL**]: to go back to the upper page.
Menu Selection: TCPIP Admin Next	**TCPIP:** TCPIP network settings. **Admin:** The advance setting goes here. **Next:** to proceed to the next selection. [**CANCEL**]: to go back to the upper page.
Menu Selection: Block Save Home	**Block:** Accessing the call-blocking list. **Save:** Save the change to phone. **Home:** Back to the first menu.

Factory Default settings

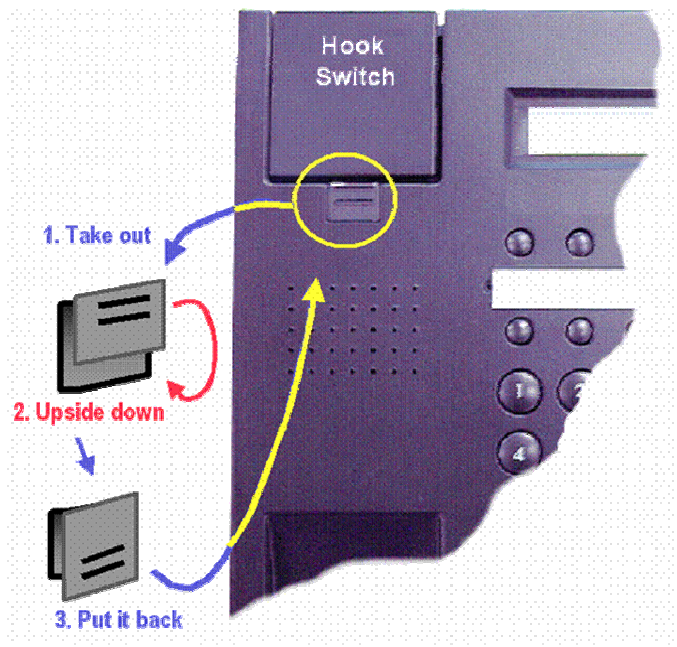The factory default settings of the phone are as follows:

(1) DHCP: **Disabled**

(2) IP address of phone: **192.168.1.10**

(3) Phone number: **100**

(4) IP address of server: **null**

(5) No Demand to log on Server

(6) Default Codec: <**G.711**>

(7) Default user name of Web: **user**

(8) Default user password of Web: **1111**

(9) Default administrator user name of Web: **admin**

(10) Default administrator password of Web: **1234**

(11) Default user password of LCD Menus: **1111**

(12) Default administrator password of LCD Menus: **1234**.

[Special Note] *****

(1) To enter Administration mode for advanced settings, you need a Password. The admin password is "1234".

(2) To unlock the IP phone, you need a unlock pin. The default Pin number is "1111".

(3) When you want reset the IP phone with the factory default setting, please enter Administration mode and select "Reset" to launch this function.

How to Mount the Phone on the Wall

(1) Use screws attached to properly fasten the stand kit on to the wall.

(2) Then mount the main unit (without handset) on the stand kit.

(3) Find the "Latch" piece on the main unit. (it is located on the hook switch of the phone).

(4) Take it out from the main unit and upside down then put it back to the slot again.

(5) Finally connect the Handset to the main unit with curled cord.

(6) Then put the handset onto the hook.

The Users' Manual

Caution

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE
THIS DEVICE TO RAIN OR MOISTURE.**

**TO REDUCE THE RISK OF ELECTRIC SHOCK AND TO KEEP WARRANTY
VALID, DO NOT REMOVE COVER (OR DISASSEMBLE THE DEVICE).**

**This device has the serial number located on the bottom of the phone.
Please record the model number and serial number and retain for
service check.**

Model Number: _____ **Serial Number:** _____

**Every time you change the PASSWORD, and PIN numbers, please retain them
for your records.**

PASSWORD: _____   **PIN:** _____

PASSWORD: _____   **PIN:** _____

PASSWORD: _____   **PIN:** _____

PASSWORD: _____   **PIN:** _____

For a more complicated environment application or for additional information,
please read the Users Manual or Administrator Guide.   Thank You very much for
using this product.