

## The Quick Reference of SIP Phone



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The SIP Phone is a desktop IP telephone that delivers quality voice and can call thru Internet to peer endpoint over the world. It supports 3 calling methods: (1) Phone- to-Phone direct Dial: You can place a VoIP call to a remote IP phone via its URL address dial. (2) Phone-to-Gateway direct Dial. You can place a VoIP call to an analogue phone attached to a SIP Gateway via its URL address dial. (3) Phone-thru- SIP Server Dial: You can place a VoIP call to any IP phone(s) or even analog phones with dialing its phone number directly. A SIP Server or IP-enabled PBX system will be involved for the centrally control of all call activities, like a traditional way of PBX.



## The Name and Description of Main Parts of IP Phone

Part #	Feature Name	Description of Application
0	Main unit	The IP Phone main unit

1	Handset	For making/receiving calls, review voice messages and so forth.
2	Handset detachable cable	For connecting the main unit and the handset
3	LCD Screen	The LCD Screen is for displaying your settings, phone number, call status and so forth.
4	[MENUS]	Menus key, to enter the Menus mode for configuration purpose.
5	Soft key F1, or [◀]	One of soft key, used for item selection on the screen. Can be used as shift control key for Backward search or used as (volume) Decrease control key.
6	Soft key F2, or [↵]	One of soft key, used for item selection on the screen. Can be used as Enter /Confirm control key.
7	Soft key F3, or [▶]	One of soft key, used for item selection on the screen. Can be used as shift control key for Forward search or used as (volume) Increase control key.
8	[CANCEL]	To quit from the current page and go back to the upper page without change the settings.
9	Hot/Programmable Memory label	Paper label for user to write down Hot Speed Dial number or Programmable Feature name
10 11 12 13 14	[P1] to [P5]	Default is set to [Hot Speed Dial], from key 1 to key 5. When programmable features are enabled, different features can be assigned to different programmable button [Pn], from P1 to P5. The Administrator may configure these buttons via Menus display or Web-management with the programmable features selection.
15	[MUTE]	To mute the current call on or off.
16	[REDIAL]	To redialing the last dialed number
17	[XFR/CNF]	To transfer a line or to drop multiple lines into a Conference party.
18	[MSG]	Message Retrieval key to access to the Voice Mail System of SIP Server (or IP-enabled PBX).
19	[HOLD]	To hold the current call and get a new call.
20	MSG / LINE	LED to indicate status of message waiting that the SIP Server notified.
21	[SPKR]	To activate the hand-free call with Speakerphone
22	SPKR	LED to indicate the Line 1 status.

23	Speed Dial Memory Phone Sheet	The Phone sheet paper can be pulled out and written down your 10 sets of Speed dial numbers for remember.
24	[1],...[9], [*],[0],[#]	The numeric dialing pad for dial a number.
25	Microphone Hole	A small hole for Microphone input

## The Definitions Of LED Status

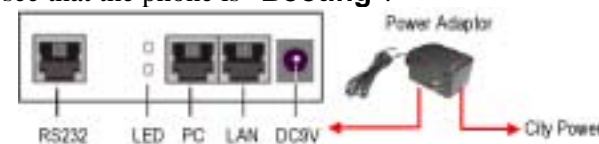
On the panel of phone, there are two LED indicators. One is associated with SPKR key (referred as LED1) and the other is marked “MSG / LINE” (referred as LED2).

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

## Installation

### A. How to Check if IP Phone Works Initially

**Step 1:** At first, please 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:** Check if the IP phone works by lifting up the handset. If there is a dialing tone, then press several numbers to see whether the LCD screen is also displaying the dialed numbers or not. If it works, basically the IP phone is fine.

## B. How to Place a Simple Call

Without any change by Administrator, the factory default settings of the phone are set as follows:

- (1) DHCP is "**Disabled**".
- (2) The default IP address of each IP phone is "192.168.1.10".
- (3) The default Phone number: **100**
- (4) The IP address of **Server is null**.
- (5) No Demand to log on Server.
- (6) The default Codec is <G.711>.
- (7) The default user name of Web: user
- (8) The default user password of Web: 1111
- (9) The default administrator user name of Web: admin
- (10) The default administrator password of Web: 1234
- (11) The default user password of LCD Menus: 1111
- (12) The default administrator password of LCD Menus: 1234.

Now, you may use two IP phones to place Phone-To-Phone Call.

**Step 1:** Please connect 2 IP phones together with an Ethernet Cable.

**Step 2:** Please choose one IP Phone, press the [MENUS] key and then reach to [IP] Address setting page. Set its IP address to [192.168.1.11] (or any one before [192.168.1.255]). Then get into [Admin] > [Phone] sub-selection to configure its phone number to "**110**". And then save the settings and reboot the phone. (For details and username and password, please see the Administration Guide).

**Step 3:** Now, you directly dial the URL address of the other phone, like: on IP phone [192.168.1.10]: dial "110\*192\*168\*1\*11#" (for URL: [110@192.168.1.11](tel:110@192.168.1.11)), or on IP phone [192.168.1.11]: dial "100\*192\*168\*1\*11#" (for URL: [100@192.168.1.10](tel:100@192.168.1.10)). When the called phone is ringing, you may pick up the handset to answer the phone.

**Step 4:** Then connect the IP phones to the Office LAN. If your IP phone has been well configured by the Administrator already and if the SIP Server is active and ready for logon. Then, you can follow Administrator's instruction to Logon SIP Server for normal operation.

## C. How To Connect IP Phones To Office LAN

In general application, a SIP server will be invoked in the test and real application. Please setup a SIP server and construct the VoIP system in the test network as shown below (Please find a reference SIP Server in the CD). Please configure the IP phones properly and connect them to the office LAN for operation. (If your Administrator didn't properly configure the phone for you, please refer to Administration Guide for necessary settings for the IP phone. If it has been well configured, just execute the following steps to install it.)

**Step 1:** Please connect your notebook or PC (if any) to IP phone at PC RJ-45 port with an Ethernet cable. Then connect your IP phone to the Ethernet Hub with another Ethernet cable. Besides, Administrator needs to connect the Ethernet Hub to Office LAN in order to connect all IP phone users to office VoIP communication environment. Remember to plug the power adapter to the wall and hang on the handset correctly.



**Step 2:** When the user's NB (or PC) is connected to the IP phone, please check if the lower Link/Activity LED beside the RJ-45 "PC" port is lit or not. Moreover, when the IP phone is connected to the Ethernet Hub, please check if the upper Link/Activity LED beside the RJ-45 "PC" port is lit or not.

**Step 3:** If the accounts of IP phones have been properly configured already in the SIP Server, normally, the IP phones will

automatically logged onto the Server and get ready for calls. Thus, IP phones can call each other thru the SIP Server any time, whatever where they are.

## Menus Operation

### [Special Note] \*\*\*\*\*

- (1) To enter Administration mode for advanced setting, you need a Password. The password is shown in Administration Guide.
- (2) To unlock the IP phone, you need a unlock pin. The Pin number is “1111” as default setting.
- (3) When you want reset the IP phone with the factory default setting, please enter Administration mode and find “Reset” selection and launch this function.

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:

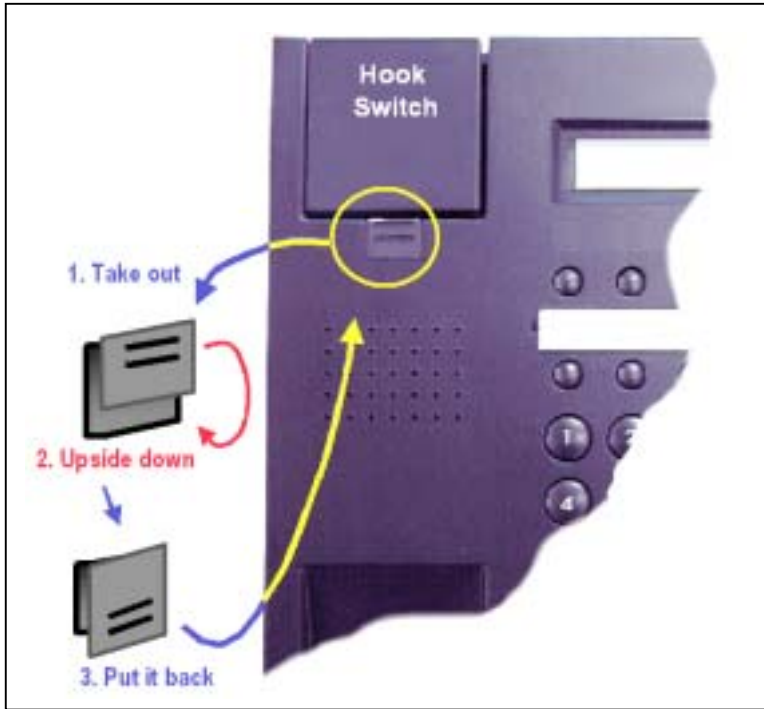
LCD Screen	Description of Action
Menu Selection: Volume Ring Next	Volume: to adjust Speaker, Microphone and Handset. Ring: to select a type of ring. Next: to proceed to the next selection. [CANCEL]: to go to the upper page without change.
Menu Selection: Tone Time Next	Tone: Set preferred tone type. Time: Set NTP related settings. [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. [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. [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 using. [CANCEL]: to go back to the upper page.
Menu Selection: Record Ping Next	Record: Examine the call record for 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. [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. [CANCEL]: to go back to the upper page.
Menu Selection: TCPIP Admin Next	TCPIP: TCPIP network settings. Admin: The advance setting goes here. [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.

## How to Mount The Phone on The Wall

### Please follow the installation procedure below:

1. Upon opening the package, take out the stand kit of the phone.
  - (1) Use screws attached to properly fasten it 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. It will looks like as follows:
  - (6) Finally connect the Handset to the main unit with curled cord.
  - (7) Then put the handset onto the hook.



**WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS DEVICE TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK AND KEEP WARRANTY VALID, DO NOT REMOVE COVER (OR DISASSEMBLY THE DEVICE).**

## Caution

This device has Serial number and located on the bottom side. Please record the model number and serial number and retain them for service check.

Model Number: \_\_\_\_\_ Serial Number: \_\_\_\_\_

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

For more complicated environment application or information, please read the Users' Manual and/or Administrator Guide. Thank you very much for your using this product.

PASSWORD: \_\_\_\_\_ PIN: \_\_\_\_\_

PASSWORD: \_\_\_\_\_ PIN: \_\_\_\_\_

PASSWORD: \_\_\_\_\_ PIN: \_\_\_\_\_

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