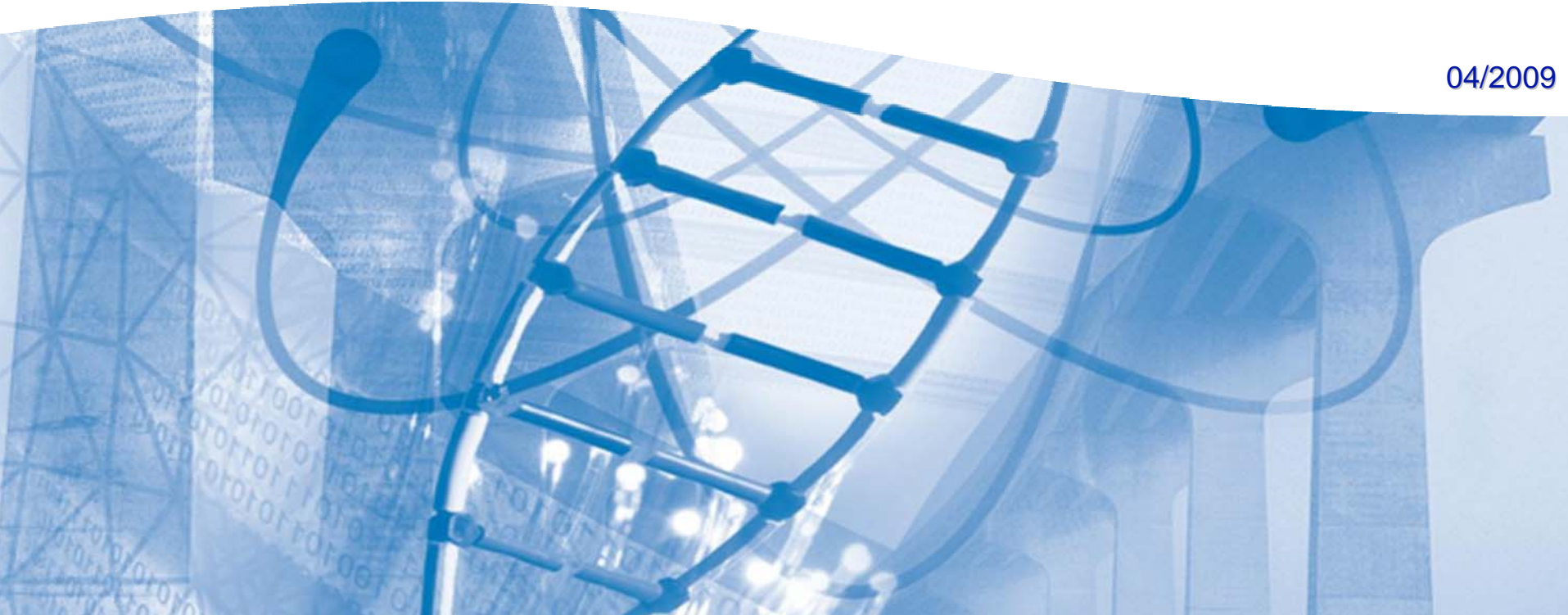


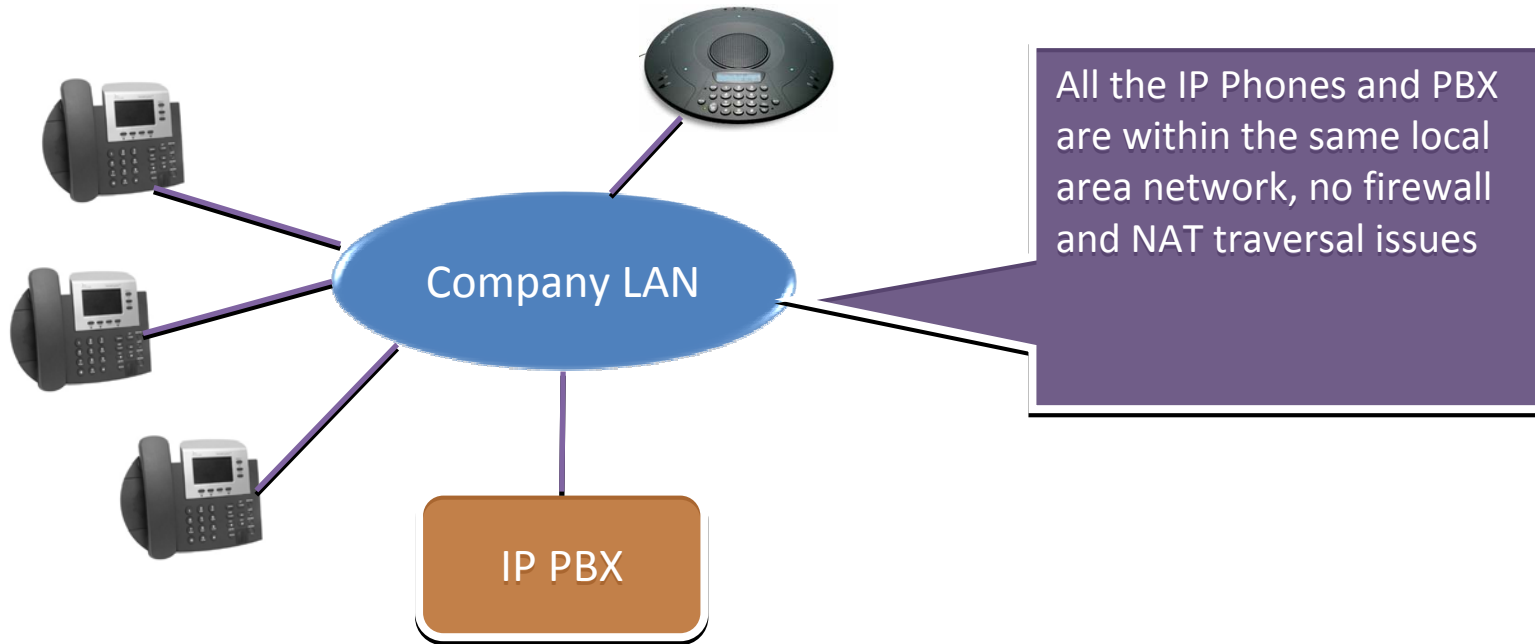
Business VoIP Solution Training

IP PHONE SETUP INSTRUCTIONS

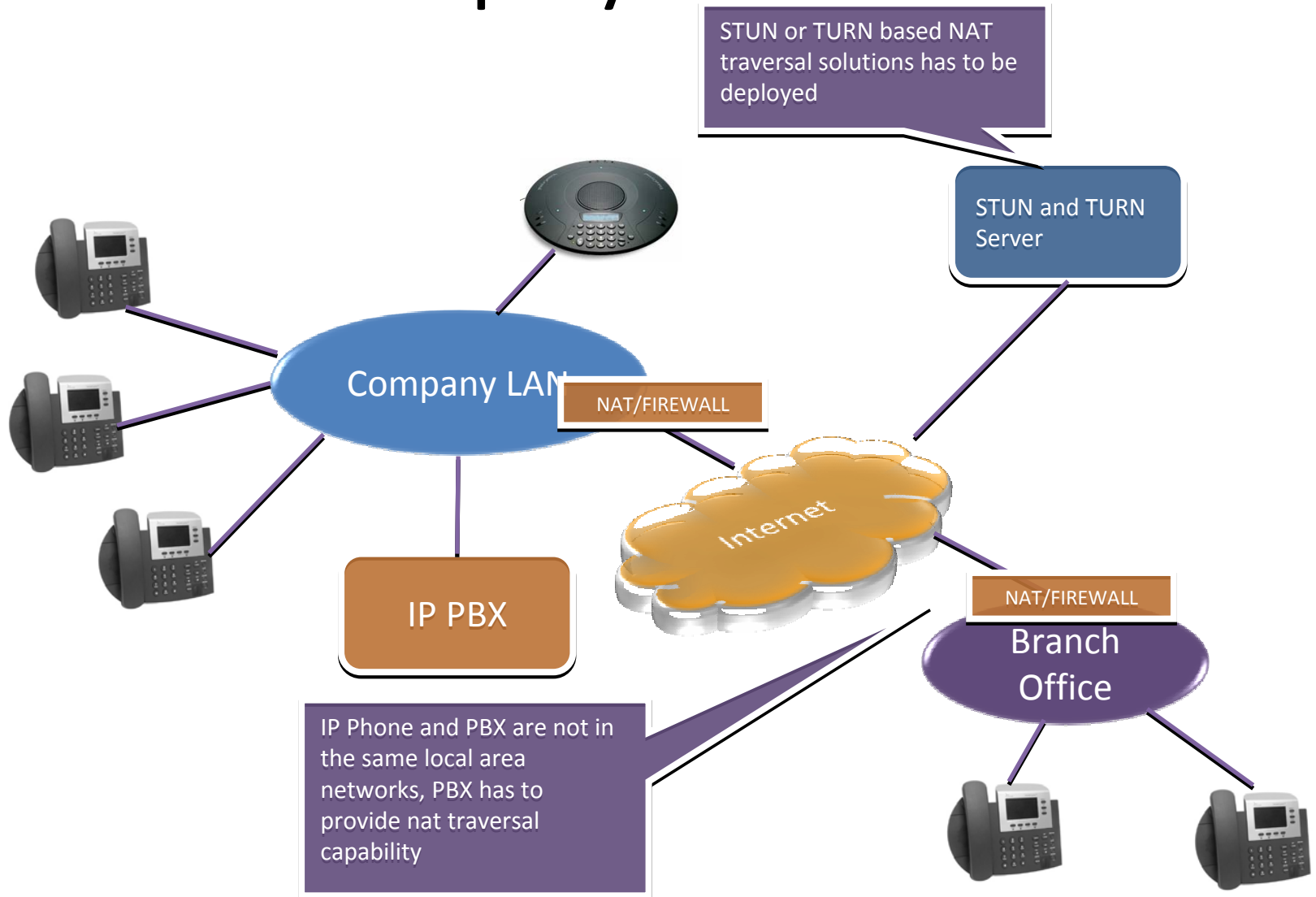
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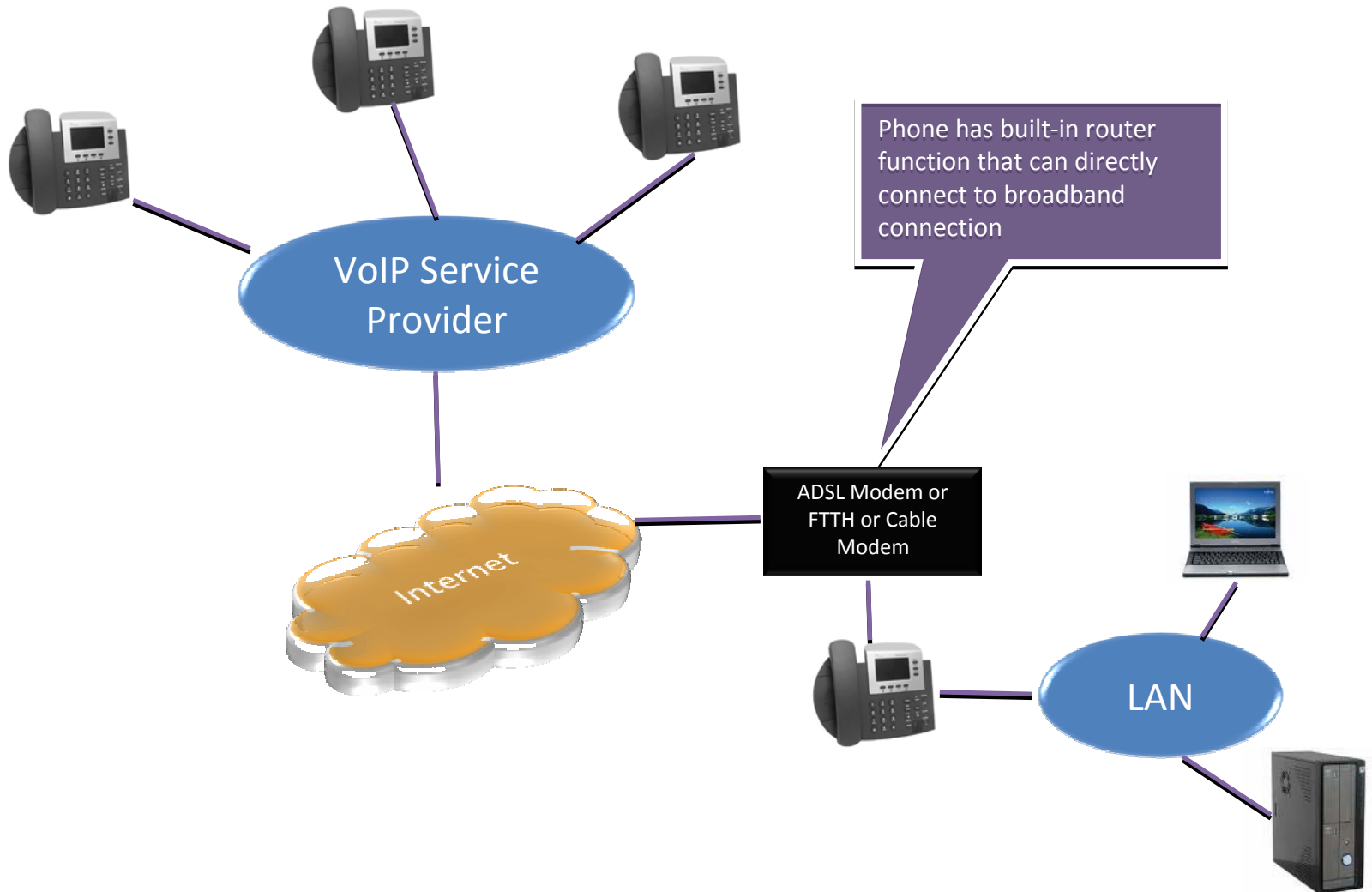
IP Phone Deployment Scenario 1



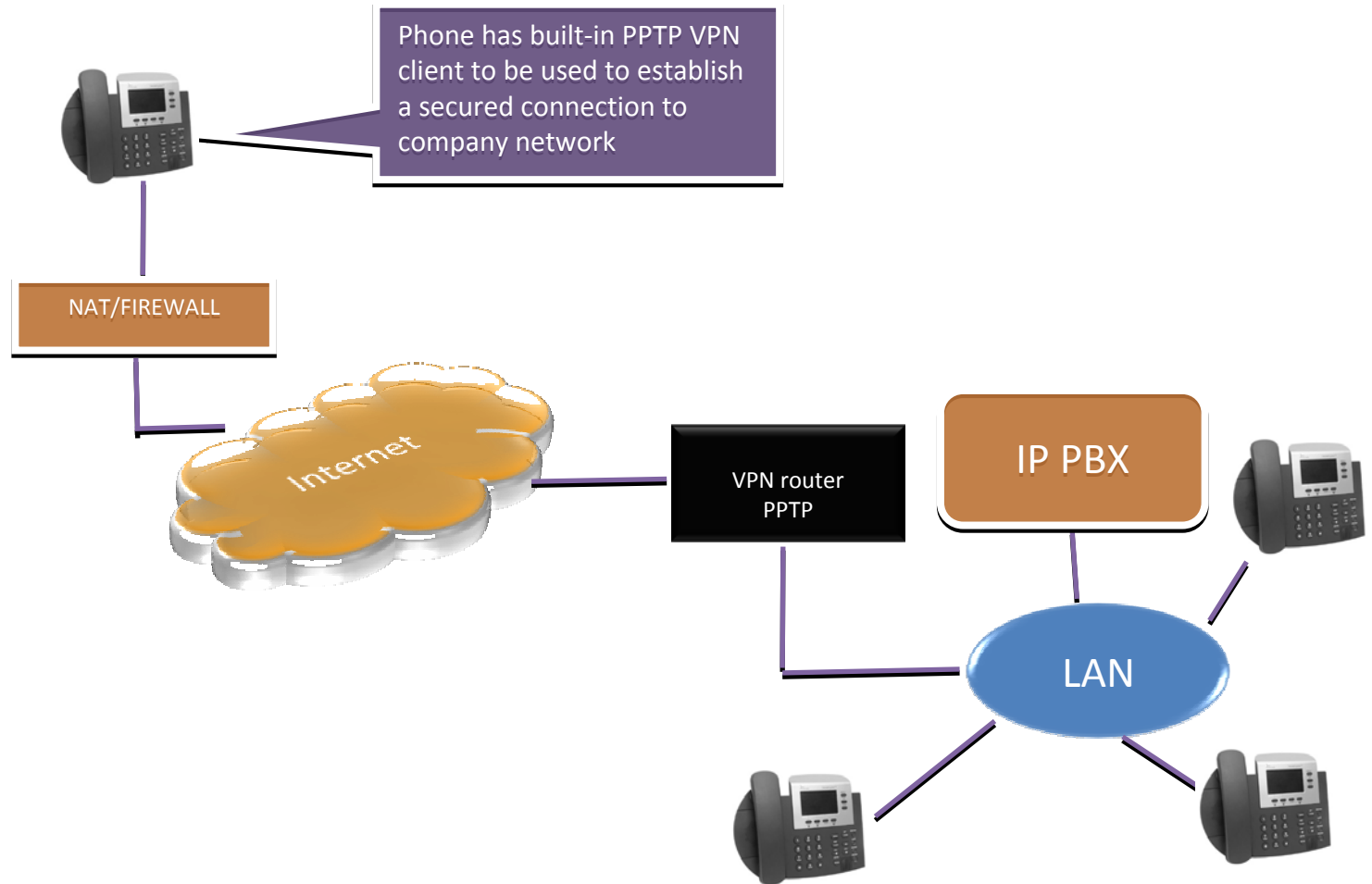
IP Phone Deployment Scenario 2



IP Phone Deployment Scenario 3



IP Phone Deployment Scenario 4



Hook up the Phone



7.5V DC Power

PC or other LAN devices

Broadband or SIP server

Phone Headset

Phone Keypad



Quick Start Guide

Check Phone's IP address	MENU+4+5
Restart Phone	MENU+7+7
Default Configuration	WAN port DHCP Client, LAN port 192.168.123.1, NAT mode enabled
PSTN Dialing	Dial 0*# to choose PSTN dialing
Choose Line	Dial 1*# and hang up to choose line 1. Dial 2*# and hang up to choose line 2. Dial 3*# and hang up to choose line 3.
Call Hold	A calls B, B picks up call. A press HOLD, B is put on hold. A gets another line, A calls C. C picks up call. A switch call between B and C by pressing VMS. A hang up B by press DEL.
Attendant Call Transfer	A calls B, B picks up call, B press TRANSFER, A is put on hold and B gets another line. B dial C's number and press '#/SEND' key and hang up. C picks up phone, A and C are in call.
Blind Call Transfer	A calls B, B picks up call. B press HOLD and TRANSFER and dials C's number. PBX hangs up B. A will hear ringback from C. C picks up call, A and C are in call.
3 Way Conference	A calls B, B picks up. A press HOLD to put B on hold. A gets another line. A calls C, C picks up call. A press CONF to put B and C in 3 way conference.
3 Way Transfer	A calls B, B picks up. A press HOLD to put B in hold. A gets new line. A calls C, C picks up call. A press CONF to put B and C in 3 way conference. A hang up the call, B and C are in call.
Call Park/Pickup (requires PBX support)	A calls B, B picks up call. B press HOLD and TRANSFER and dials extension 700. PBX gives B a new number, e.g. 701. B hang up the call. B goes to another Phone and dials the assigned new number, B and A in call again.
Check VoiceMail	A's Phone's VMS is light. A calls 1603 to retrieve the voice mail. Or A calls 1604 and dial the user extension and password to retrieve the voice mail.
Call Forward	Press FWD and to enable, press FWD again to disable. Forward number can be set in LCD menu or WEB GUI.
Do Not Disturb	Press DND to enable, press DND again to disable

Connect iPSKPSIP to your LAN

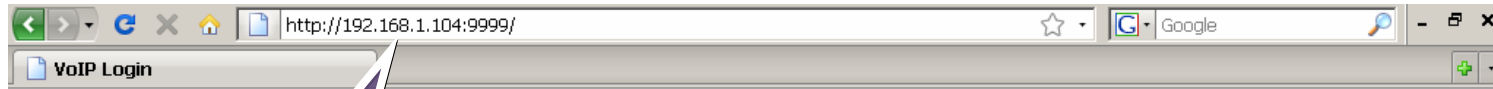
- Phone WAN port use DHCP client by default
- Connect the Phone's WAN port to LAN where there is a DHCP server assigning IP address, in Phone's LCD screen press MENU+4+5 to check phone's IP address
- Open Firefox browser and access the Phone's internal web server

`http://[Phone IP Address]:9999`

user name: root

password: test

Login to the Phone's WEB GUI



Please note the correct web server address is [http://\[ip_phone address\]:9999](http://[ip_phone_address]:9999)

Login VoIP

Enter your username and password to login VoIP server

Username

Password

Use default information to login to phone's web GUI

User name: root
Password: test

Please use Firefox to access Phone's web GUI, IE and other browser are not fully supported in this software.

WEB GUI Guide

The screenshot shows the VOP WEB GUI interface. At the top, there is a navigation bar with the VOP logo and several menu items: Home, SIP, Network, System (highlighted), Phone Book, Features, and Update. Below this is a secondary navigation bar with sub-items: Authentication, Auto Config, Mac Clone, Tone, Advanced, Log, and Dial Plan. In the top right corner, there are 'Save' and 'Reboot' buttons. The main content area is titled 'System Information' and contains the text: 'This page illustrate the system related information.' Below this, there is a table of system information:

Model Name:	PHONE
Firmware Version:	Sat Jun 27 23:48:37 2009 (904290)
Codec Version:	4av 7

Two callout boxes are present: one pointing to the 'System' menu item in the top navigation bar, labeled 'Phone's configuration item menu', and another pointing to the 'Firmware Version' field in the table, labeled 'Phone's firmware version information'.

Set Network Parameter

VOIP

Home SIP **Network** System Phone Book Features Update

Status **WAN** LAN DDNS Man DMZ Virtual Server PPTP Sntp

Save Reboot

WAN Settings

Configure the WAN settings in this page.

LAN Mode: Bridge NAT

WAN Setting

IP Type: Fixed IP DHCP Client PPPoE

IP: 192.168.1.101

Mask: 255.255.255.0

Gateway: 192.168.1.1

DNS Type: Fixed Auto

DNS Server1: 168.95.192.1

DNS Server2: 168.95.1.1

MAC: 000945561a14

Host Name: VOIP_PHONE0

PPPoE Setting

User Name:

Password:

Service Name:

Submit Reset

Network configuration items, see user guide for more details

WAN and LAN port can be chosen to work in NAT or bridge mode,

WAN side supports Fixed IP DHCP client PPPoE

Save and Apply Changes

VOIP Home SIP **Network** System Phone Book Features Update

Status **WAN** LAN DDNS Vlan DMZ Virtual Server PPTP Sn

WAN Settings

You could configure the WAN settings in this page.

LAN Mode: Bridge NAT

WAN Setting

IP Type: Fixed IP DHCP Client PPPoE

IP:

Mask:

Gateway:

DNS Type: Fixed Auto

DNS Server1:

DNS Server2:

MAC:

Host Name:

PPPoE Setting

User Name:

Password:

Service Name:

Please remember to save changes every time you make changes to the settings, after saving the phone will automatically restart to make change effective

SIP Configuration

The screenshot shows a web interface for SIP configuration. At the top, there is a navigation bar with tabs for Home, SIP (selected), Network, System, Phone Book, Features, and Update. Below this is a sub-menu with Profile (selected), Port, Codec, Codec ID, DTMF, RPort, Stun, and Other. The main content area is titled "Service Domain Settings" and includes a description: "You could set information of service domains in this page". A dropdown menu for "Realm No." is set to "Realm 1". Below this is a table for configuring a realm. The table has a header "Realm" and several rows for configuration options. The "Active" row has radio buttons for "On" and "Off", with "Off" selected. The "Status" row shows "Not Registered". At the bottom of the form are "Submit" and "Reset" buttons. Three callout boxes provide additional information: one points to the "Realm No." dropdown, another points to the "Active" radio buttons, and a third points to the "Subscribe for MWI" radio buttons.

Save Reboot

Home SIP Network System Phone Book Features Update

Profile Port Codec Codec ID DTMF RPort Stun Other

Service Domain Settings

You could set information of service domains in this page

Realm No.: Realm 1

Realm	
Active:	<input type="radio"/> On <input checked="" type="radio"/> Off
Display Name:	<input type="text"/>
User Name:	<input type="text"/>
Register Name:	<input type="text"/>
Register Password:	<input type="text"/>
Domain Server:	<input type="text"/>
Proxy Server:	<input type="text"/>
Outbound Proxy:	<input type="text"/>
Subscribe for MWI:	<input type="radio"/> On <input checked="" type="radio"/> Off
Status:	Not Registered

Submit Reset

Phone supports 3 SIP realms each can have individual SIP server setup, e.g. 3 different service providers

Standard SIP registration information, don't forget to enable account

Message Waiting Indicator enable for voice mail service

Auto Configuration

VOP Home SIP Network **System** Phone Book Features Update

Authentication Auto Config Mac Clone Tone Advanced Log Dial Plan

Auto Configuration Setting

You could enable/disable the auto configuration setting in this page.

Auto Configuration: Off TFTP HTTP

DHCP TFTP Option 66: Disable Enable

TFTP Server:

TFTP File Path: Exp. download

HTTP Server: Exp. 60.35.187.30

HTTP File Path: Exp. download

FTP Server: Exp. 60.35.17.1

FTP Username:

FTP Password:

FTP File Path: Exp. file/load

Submit Reset

Phone supports automatically configure the phone based on phone's MAC address through HTTP, FTP and TFTP protocols

The file path in web server

Firmware Automatic Update

Save Reboot

VOP Home SIP Network System Phone Book Features Update

Firmware Auto Update Default Setting

Auto Update Settings

You could set auto update settings in this page.

Update via: Off TFTP FTP HTTP

TFTP Server: Exp. download

TFTP File Path: Exp. download

HTTP Server: Exp. 60.35.187.30

HTTP File Path: Exp. download

FTP Server: Exp. 60.35.17.1

FTP Username:

FTP Password:

FTP File Path: Exp. file/load

Check new firmware: Power ON and Scheduling Scheduling only

Scheduling (Date): (1~30 days)

Scheduling (Time):

Automatic Update: Notify only Automatic

Firmware File Prefix:

Phone supports automatically software and firmware upgrade through HTTP, FTP and TFTP protocols. Specify the server information here

Other Phone Features

Voice IP Home SIP Network System Phone Book **Features** Update Save Reboot

CallFwd Volume Rngtone DND CallWaiting Softkey Hotline **Alarm**

Alarm Settings

You could set the alarm time in this page.

Alarm: ON OFF

Alarm Time: : (hh:mm)

Current time: 2009-06-29 10:10

Other phone features such as call forwarding, time server, handset/speaker volume and gain, call waiting, softkey, hotline and alarm clock can be set using phone features menu

How to Setup PPTV VPN Client

- Special notes
 - VPN is can be only setup in WAN port
 - Disable LAN DHCP server, assign LAN port IP address according to your local networking information, and connect both WAN and LAN to the network
 - After VPN is established, the web GUI is only accessible from LAN port
- Steps to setup Phone as PPTP VPN client
 - Setup SIP registration information, save and reboot
 - Setup PPTP authentication information, save and reboot
 - When system boot up, check MENU+4+5 for VPN client IP address

Setup PPTP mode – 1. Setup LAN IP

The screenshot shows the 'LAN Settings' page in the VoIP Phone Web Management interface. The page has a navigation bar with 'Home', 'SIP', 'Network', 'System', 'Phone Book', 'Features', and 'Update'. The 'Phone Book' menu is active, showing 'Phone Book' and 'Speed Dial' options. The 'LAN Settings' section includes a 'LAN Setting' table and a 'DHCP Server' section. Two callout boxes provide instructions: one pointing to the IP address field and another pointing to the DHCP Server 'On' radio button.

Save Reboot

VoIP Phone Web Management

Home SIP Network System Phone Book Features Update

Phone Book Speed Dial

LAN Settings

You could configure the LAN settings in this page.

LAN Setting	
IP:	192.168.123.1
Mask:	255.255.255.0
MAC:	000945561a15

DHCP Server

DHCP Server: On Off

Start IP: 150

End IP: 200

Lease Time: 1 : 0 (dd:hh)

Submit Reset

Setup LAN IP address to your local area network

Disable DHCP server

Setup PPTP mode – 2. Setup SIP information

VOP Home SIP Network System Phone Book Features Update Save Reboot

Profile Port Codec Codec ID DTMF RPort Stun Other

Service Domain Settings

You could set information of service domains in this page.

Realm No.: Realm 1

Realm	
Active:	<input type="radio"/> On <input checked="" type="radio"/> Off
Display Name:	<input type="text"/>
User Name:	<input type="text"/>
Register Name:	<input type="text"/>
Register Password:	<input type="text"/>
Domain Server:	<input type="text"/>
Proxy Server:	<input type="text"/>
Outbound Proxy:	<input type="text"/>
Subscribe for MWI:	<input type="radio"/> On <input checked="" type="radio"/> Off
Status:	Not Registered

Submit Reset

Standard SIP registration information, don't forget to enable account

Setup PPTP mode – 3. Setup PPTP connection

VOP Home SIP **Network** System Phone Book Features Update Save Reboot

Status WAN LAN DDNS Vlan DMZ Virtual Server **PPTP** Sntp

PPTP Settings

You could set the PPTP server in this page.

PPTP: On Off

PPTP Server:

PPTP Username:

PPTP Password:

PPTP Port: Default 1723

Turn on PPTP client, fill in the client authentication information