

User's Manual

VIP-362WT

802.11n wireless Desktop IP Phone



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CE mark Warning

The is a class B device, In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Energy Saving Note of the Device

This power required device does not support Stand by mode operation.

For energy saving, please remove the DC-plug or push the hardware Power Switch to OFF position to disconnect the device from the power circuit.

Without remove the DC-plug or switch off the device, the device wills still consuming power from the power circuit. In the view of Saving the Energy and reduce the unnecessary power consuming, it is strongly suggested to switch off or remove the DC-plug for the device if this device is not intended to be active.

WEEE Warning



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

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Revision

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Table of Contents

Chapter 1 Introduction	6
Overview.....	6
Package Content	7
Physical Details	8
Front View and Keypad function	8
Rear View	10
Phone Screen Features	11
Chapter 2 Preparations & Installation	13
Physical Installation	13
Administration Interface	16
Web configuration access	16
Chapter 3 Network Service Configurations	17
Configuring and monitoring your IP Phone from web browser	17
Manipulation of IP Phone via web browser	17
Chapter 4 VoIP IP Phone Status	18
Status.....	18
Basic	18
DHCP	20
Syslog	20
Chapter 5 SIP Account Setting	22
SIP Account	22
SIP setting	22
NAT setting.....	23
SIP Account	23
Basic	24
Audio Configuration	25
Supplementary Services Subscription	25
Advanced	26
Chapter 6 Network Setting	28
Basic	28
Internet Port (WAN).....	28
PC Port(LAN)	30
Network Address Server Settings (DHCP).....	31
Wireless.....	32
Wireless Setting.....	32
Wireless Connection	32
MAC Address Clone	33
VPN	33
DMZ.....	34

QoS.....	35
Chapter 7 Phone Configurations	37
Performance	37
Volume	37
Regional	37
Call Forward	38
Miscellaneous	38
Dial Plan	39
Phonebook	43
Phonebook	43
Black List.....	44
Call Log	45
Chapter 8 VoIP IP Phone Administration.....	46
Management.....	46
Time/Date	46
Password Reset	48
Web Access	49
System Log Setting	49
Factory Defaults.....	50
Update Firmware.....	50
Security	51
Provision	52
SNMP	54
TR 069.....	55
Appendix A Frequently Asked Questions List	57
Appendix B Specifications	59

Chapter 1

Introduction



Overview

Based on years of VoIP manufacturing experiences, PLANET Technology introduces the 802.11 b/g/n Functional Wireless desktop Phone. The VIP-362WT is a cost-effective, easy-to-install and simple-to-use Desktop SIP phone that unleashes your voice communications free from wire or cable.

It is ideal for the enterprises and SOHO users to enjoy toll-quality voice communication services via the existing WLAN/Internet network or Internet access in daily routine communications.

The VIP-362WT can cooperate with PLANET Wireless Access Points devices to form a perfect solution for Voice over Wireless (or through normal RJ-45 cable) applications. With flexible support for PLANET IP PBX systems or existing VoIP systems, the VIP-362WT allows users to make or receive phone calls in the coverage of 802.11n wireless environment and offers toll-quality voice communication services via the existing SIP-based call servers and various VoIP client devices.

VIP-362WT functions not only much like a traditional phone, allowing to place and receive calls and enjoy other features that traditional phone has, but also it own many data services which you could not expect from traditional telephone.

➤ **PRODUCT FEATURES**

- IEEE 802.11 b/g/n compliant wireless Desktop IP Phone
- 128×64 Graphic LCD with white back light
- Efficient installation deployment of IP PBX solution
- Cost effective, field proven compatibility, and stability

➤ **Protocol**

- SIP V2 (RFC 3261,3262,3263,3264)
- Backward Compatible with RFC2543
- Session Timer (RFC4028)
- SDP (RFC2327)
- RTP/RTCP (RFC1889 and RFC1890)
- NAPTR for SIP URI Lookup (RFC2915)
- STUN (RFC 3489)
- ARP/RARP (RFC 826/903)
- SNTP (RFC 2030)
- DHCP server and client
- HTTP Server for Web Management
- TFTP/HTTP/HTTPS for Auto Provisioning
- Message Waiting Indicator (RFC3842)

- DHCP Option Codes for SIP (RFC3361)
- DNS/DNS SRV (RFC1706 and RFC 2782)
- IEEE802.1Q VLAN/802.1p and IP TOS

➤ **Call Features**

- 4 lines
- Auto Answer, 3-way Conference, Music on hold,
- Call Hold, Call Forwarding, Call Mute, Call Transfer, Call Waiting, Call Pickup
- CID and CWCID
- DTMF Relay: In-band, Out-band(RFC2833) and SIP Info
- Full-duplex Speakerphone
- Hotline, Redial, Dial Plan
- MWI

➤ **Management**

- Firmware Upgradeable
- Web Management Interface
- Password Management
- Local and Remote Syslog (RFC3164)
- Auto Provisioning: TFTP, HTTP and HTTPS
- SNTP Time Synchronization
- Multi User Level
- SNMPv2
- TR069

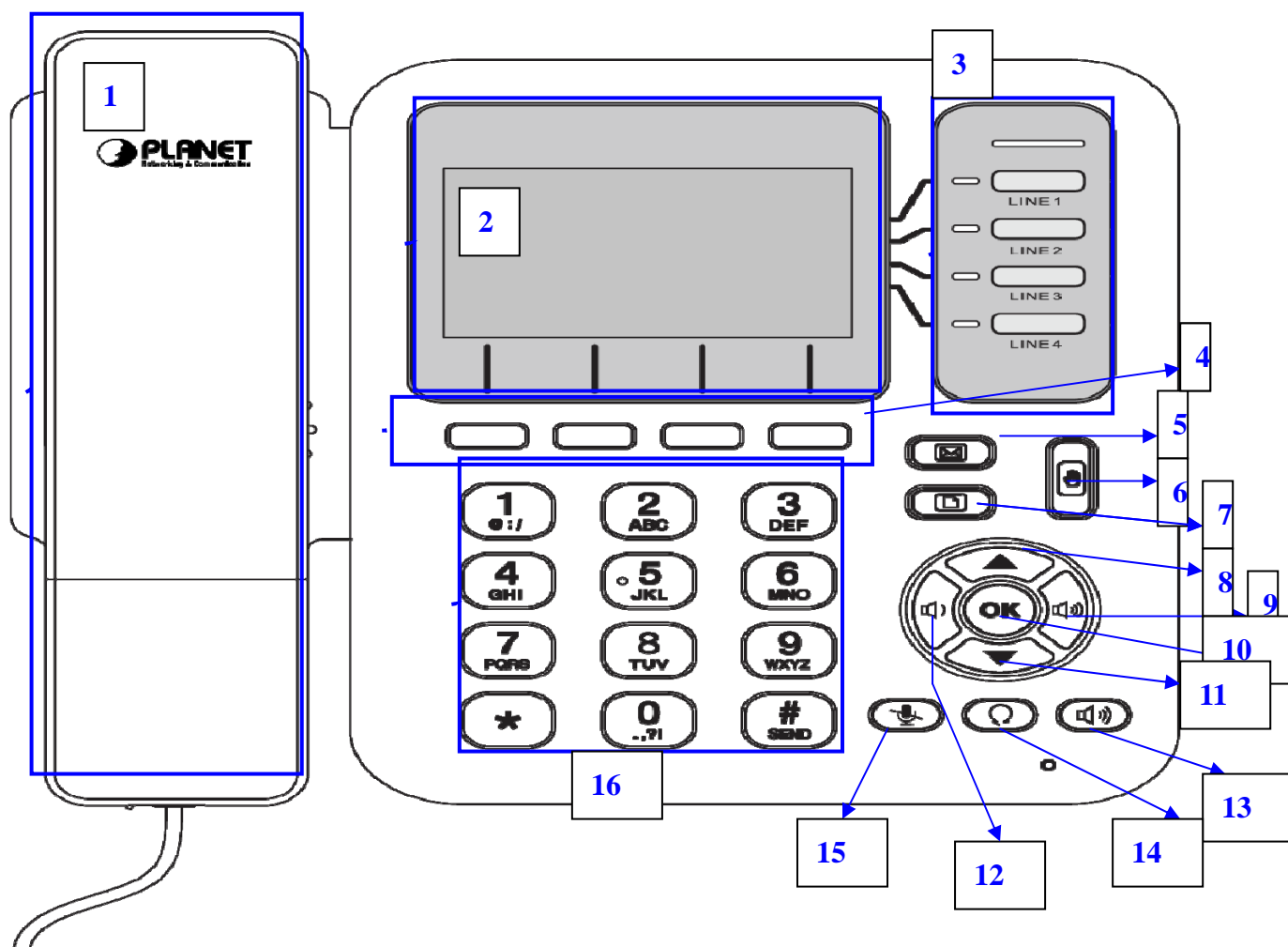
Package Content

- SIP IP Phone unit
- Power Adapter
- Quick Installation Guide
- CD-ROM containing the on-line manual.
- RJ-45 cable x1

Physical Details

The following figure illustrates the front/rear panel of IP Phone.

Front View and Keypad function



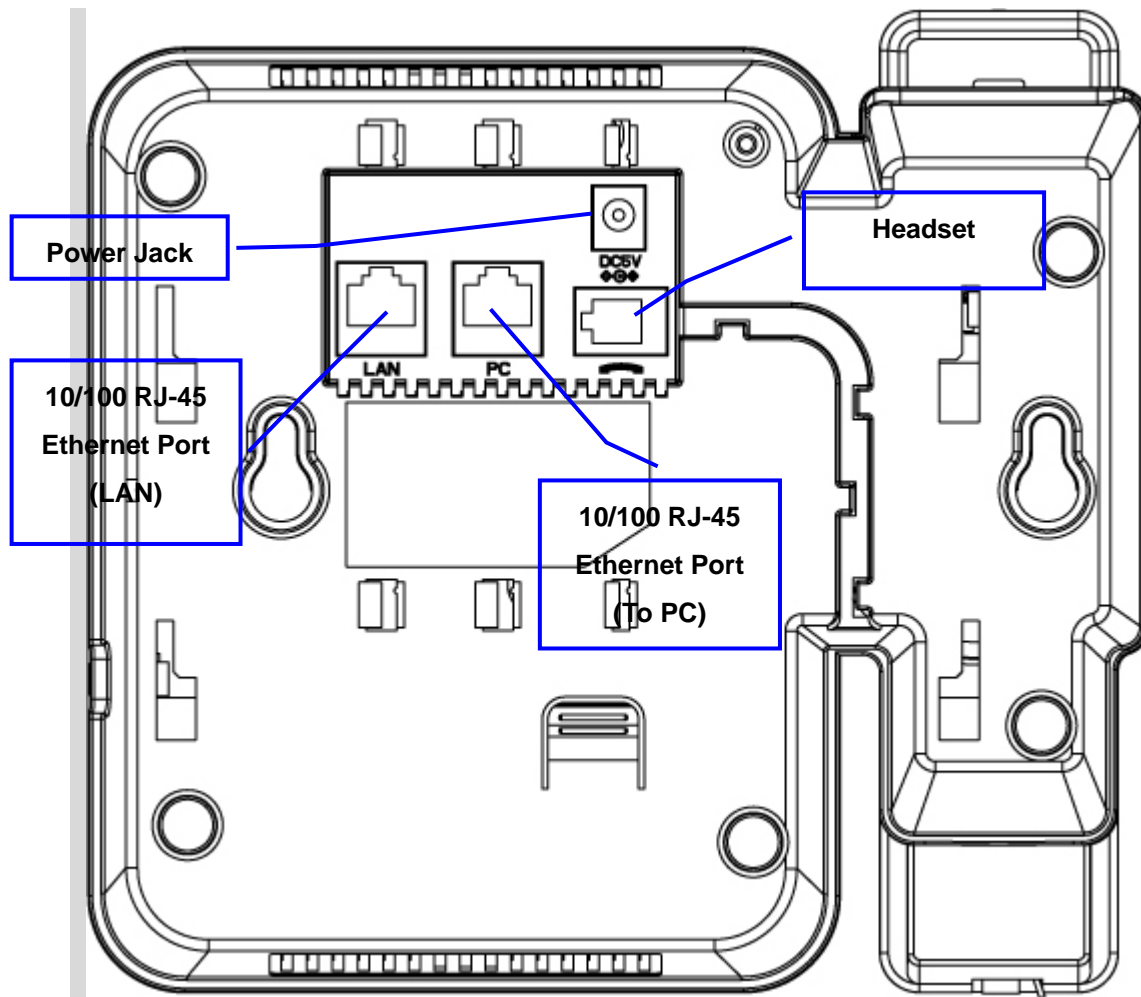
VIP-362WT Front

Keypad Description

1	Handset top cradle	For the placement of handset (Receiver end)
	Hook switch	For hang-up and hang-off of handset
	Cradle latch	To prevent the handset from dropping when it is wall-mounted.
	Handset bottom cradle	For the placement of handset (Transmitter end)
	Handset cord port	RJ-11 jack on the left side of the IP phone

	Headset wire port	RJ-11 jack on the bottom of the handset
	Headset	To mount mouthpiece and earpiece on the single handle.
2	LCD screen	The LCD screen is for displaying your settings, such as phone number, line status and so on.
3	Line Keys	These keys are used as line keys; you can press the line button to select the corresponding line, and then user can make call or do other functions. The LED under the keys used to display the status of each extension,
4	Soft keys	These keys are used as soft keys. These can be used for item selection or control on the LCD screen. The soft key' function depends on their corresponding content displayed on the LCD at that time.
5	MSG	1. The key can be used for voicemail selection, press it to access voicemail (must be set up by your phone administrator) 2. The LED is to indicate voicemail status.
6	Hold	The Hold key is used to hold the current call, press it again to release the hold function.
7	Menu	Press it to access to menu items: such as phonebook, multi-functional key, and call history and so on.
8	UP	To scroll up when configuration LCD menu
9	VOL+	To turn up the volume
10	OK	Press it to confirm
11	Down	To scroll down when configuration LCD menu
12	VOL-	To turn down the volume
13	Hands free	Press it to use Hands free
14	Headset	Press it to use headset.
15	Mute/Del	During an active call, press it to mute the current call. When input text, press it to delete a digit or number.
16	Numeric Keypad	Enters numeric digits for initiating a call or for entering configuration information.

Rear View



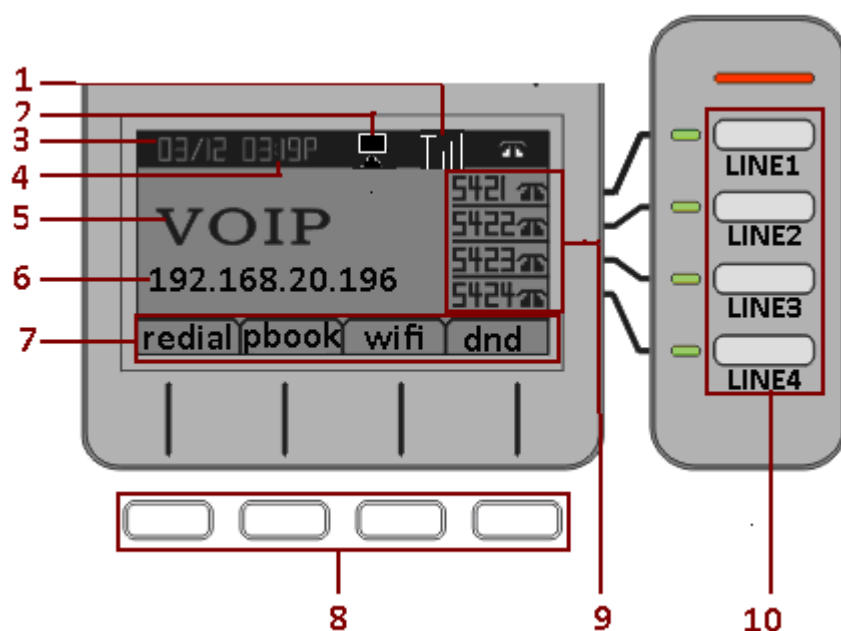
VIP-362WT Rear

Keypad Description


1	DC 5V	Power port
2	PC	Connects to a PC.
3	LAN	Connects to the Ethernet switch, router or Internet.
4	Headset	Headset console, connect to headset


Phone Screen Features

This is what your main phone screen might look like with an active call.



Graphic Icon Description

1	Date	To display the current date. Date format is mm/dd
2	Time	To display the current time. Time format is mm:ss (A or P)
3	Wired Icon	To display the status of wired connection
4	Wi-Fi Icon	To display the status of Wi-Fi connection
5	Logo	To display the name
6	Internet port IP Address	To display the current IP address of Internet ports if the Internet port have worked normally. Or to display the current IP address of WI-FI. If the port not connected, it will display 'WAN down'.
7	Softkey Function	To display the current softkey function.
8	Softkey Button	One softkey button mapping to one softkey function in LCD according to the wire between them.
9	Phone Numbers Indicator	To display the phone number of lines.
10	Lines	To display the status of lines. The icon  means unregistered.

The icon  mean registered.

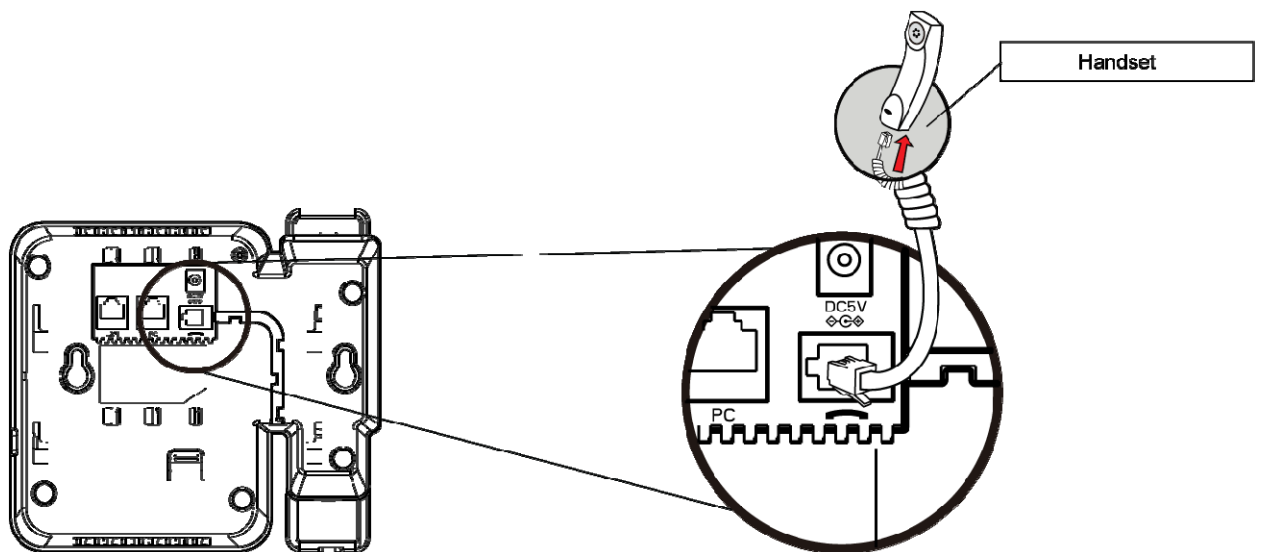
Chapter 2

Preparations & Installation

Physical Installation

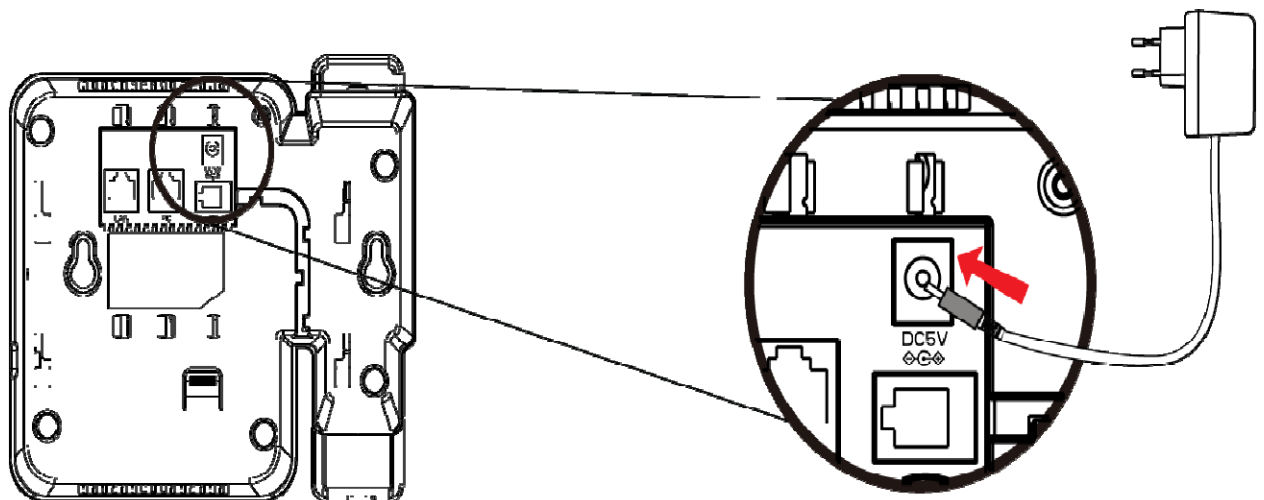
Step 1. Handset Connection

Plug Handset Core with Handset and Handset Jack



Step 2. Connecting Power Adapter and Network

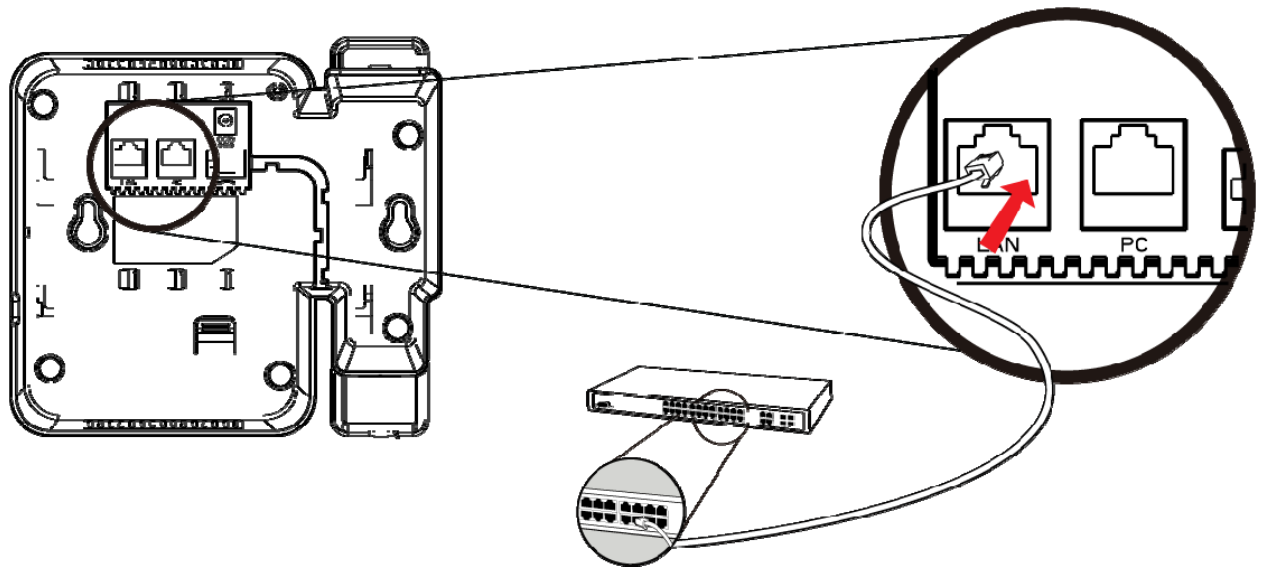
2.1 Power adapter



2.2 Network

2.2. Wired Network

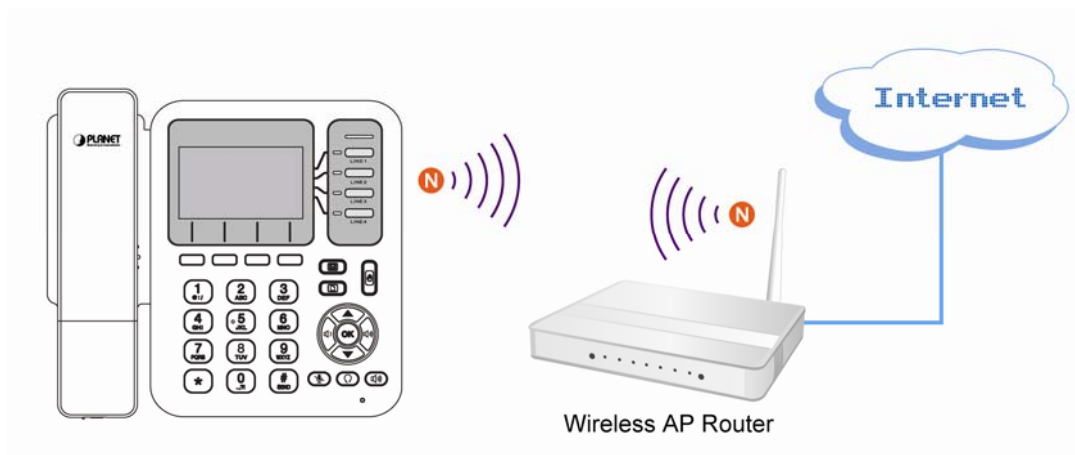
Connect to LAN port to access Internet



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

2.2.b Wireless Network

Through wireless connection to access the Internet

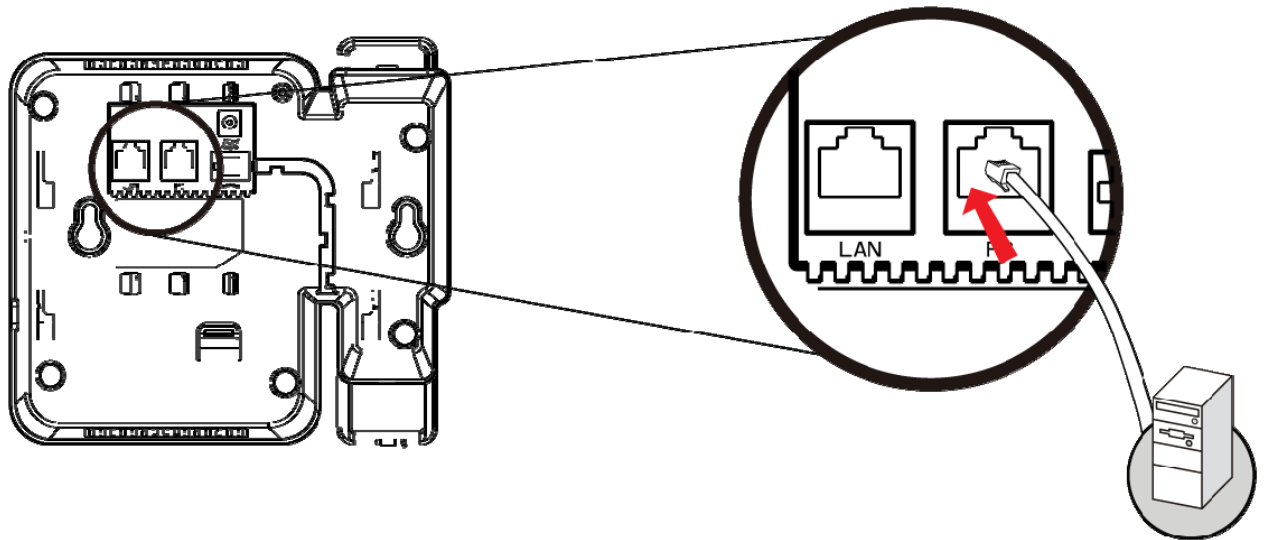


NOTE: For connection with Wireless AP / AP Router, it may need some advance connection information (SSID, authorization password, Security mode). Please contact with the network administrator for the information.

Step 3. Computer Network Setup

Set your computer's IP address to 192.168.0.x, where x is a number between 2 to 254 (except 1 where is being used for the IP phone by default). If you don't know how to do this, please ask your network

administrator.



Step 4. Login Prompt

Use web browser (Internet Explorer 6.0 or above) to connect to 192.168.0.1 (type this address in the address bar of web browser).

You'll be prompted to input user name and password: **admin** / 123

Administration Interface

The IP Phone provides GUI (Web based, Graphical User Interface) for machine management and administration. Key pad administration also available for simple configuration.

Web configuration access

To start IP Phone web configuration, you must have one of these web browsers installed on computer for management

- Microsoft Internet Explorer 6.0.0 or higher with Java support

Default IP address of IP Phone 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 IP Phone web configuration page. IP Phone will prompt for logon username/password, please enter: ***admin / 123*** to continue machine administration.

Note

In order to connect machine for administration, please locate your PC in the same network segment (192.168.0.x) of IP Phone. 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.

Network Service Configurations

Configuring and monitoring your IP Phone from web browser

The IP Phone integrates a web-based graphical user interface that can cover most configurations and machine status monitoring. Via standard, web browser, you can configure and check machine status from anywhere around the world.

Manipulation of IP Phone via web browser

Log on IP Phone via web browser

After TCP/IP configurations on your PC, you may now open your web browser, and input <http://192.168.0.1> to logon IP Phone web configuration page.

IP Phone will prompt for logon username/password: **admin / 123**



When users login the web page, users can see the IP Phone system information like firmware version, company...etc in this main page.

Chapter 4

VoIP IP Phone Status



Status

You can check the basic phone status to find out more information about the phone. They include three parts Basic, DHCP and Syslog.

Basic

In this page include Product Information, Line Straus, Network Straus, System Status.

The screenshot shows a web interface for a VoIP IP phone. At the top, there are navigation tabs: Status, SIP Account, Network, Phone, and Administration. Below these are sub-tabs: Basic, DHCP, and Syslog. The main content area is divided into two columns. The left column contains two sections: 'Product Information' and 'Line Status'. The right column contains a 'Help' section with descriptions for Product Information, Line Status, Network Status, and System Status.

Product Information	
Product Name:	VIP-362WT
Internet(WAN) MAC Address:	00:30:4F:55:66:77
PC(LAN) MAC Address:	00:30:4F:56:32:73
Hardware Version:	1.0.1
Firmware Version:	1.2.5 (Hy0602161121)
DSP Version:	D2.57

Line Status	
Line 1 Status:	Fail(Timeout)
Line 2 Status:	Disable
Line 3 Status:	Disable
Line 4 Status:	Disable
Line 5 Status:	Disable

Help	
Product Information:	It shows the basic information of the product.
Line Status:	It shows the registration state of each line.
Network Status:	It shows the information of WAN port,VPN and LAN port.
System Status:	It shows the current time and the running time of the product.

Network Status

Internet Port Status

Connection Status: Connected
 Connection Type: DHCP
 IP Address: 192.168.2.102
 Subnet Mask: 255.255.255.0
 Default Gateway: 192.168.2.1
 Primary DNS: 168.95.1.1
 Secondary DNS: 168.95.1.2

WIFI Status

Connection Status: Disconnected
 Connection Type: DHCP
 IP Address: 0.0.0.0
 Subnet Mask: 0.0.0.0
 Default Gateway: 0.0.0.0
 Primary DNS: 192.168.1.1
 Secondary DNS: 219.141.140.10

VPN Status

VPN Type: Disable
 Virtual IP Address: 0.0.0.0

PC Port Status

Connection Status: Failed
 Connection Type: Bridge
 IP Address: 192.168.252.1
 Subnet Mask: 255.255.255.0

System Status

System Status

Current Time: Jan 2 02:20:35 2000
 Elapsed Time: 1 D/2 H/20 M

[Refresh](#)

Item	Descriptions
Product Information	It shows the basic information of the product.
Line Status	It shows the registration state of each line.
Network Status	It shows the information of Internet port, VPN and PC port.
System Status	It shows the current time and the running time of the product.
Refresh	Click Refresh button to refresh status of phone.

DHCP

This page displays the status about DHCP server enable/disable, start IP address, end IP address and client lease time. Click **Refresh** button to refresh status of DHCP server.

Status	SIP Account	Network	Phone	Administration
Basic	DHCP	Syslog		

Dynamic Host Configuration Protocol

DHCP Status

DHCP Server:	Disable
Start IP Address:	192.168.252.2
End IP Address:	192.168.252.254
Client Lease Time:	48 Hr.

Refresh

Item	Descriptions
DHCP Status	It shows the information of the DHCP Server.

Syslog

It shows all the log information of system.

Status	SIP Account	Network	Phone	Administration
Basic	DHCP	Syslog		

Syslog

```
<131><16/08 11:09:59>0 Register Terminate(0), 27s later retry
<131><16/08 11:09:57>0 Register Fail, Timeout
<135><16/08 11:09:56>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:52>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:48>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:44>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:40>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:36>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:32>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:28>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:26>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:25>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:09:25>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<134><16/08 11:09:25>0 Registering To:sip:1005@192.168.10.75
<131><16/08 11:08:58>0 Register Terminate(0), 27s later retry
<131><16/08 11:08:56>0 Register Fail, Timeout
<135><16/08 11:08:55>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:51>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:47>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:43>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:39>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:35>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:31>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:27>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:25>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:24>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:08:24>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<134><16/08 11:08:24>0 Registering To:sip:1005@192.168.10.75
<131><16/08 11:07:57>0 Register Terminate(0), 27s later retry
<131><16/08 11:07:56>0 Register Fail, Timeout
<135><16/08 11:07:55>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:07:51>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:07:47>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
<135><16/08 11:07:43>SEND:REGISTER sip:192.168.10.75 SIP/2.0...
```

Help

Syslog:
[It shows the log of system](#)

SIP Account Setting

SIP Account

SIP is a request-response protocol, dealing with requests from clients and responses from servers. Participants are identified by SIP URLs. Requests can be sent through any transport protocol. SIP establishes call parameters at either end of the communication, and handles call transfer and termination.

SIP setting

Set your SIP server in the following interface. These parameters are related to registration and call.

SIP Parameters

SIP Parameters

SIP T1: 500 MS Max Forward: 70

SIP Reg User Agent Name: Max Auth: 2

Mark All AVT Packets: Enable RFC 2543 Call Hold: Enable

SRTP: Disable SRTP Prefer Encryto: AES_CM

NAT Traversal

NAT Traversal

NAT Traversal: Disable STUN Server Address: stun.fwdnet.net

NAT Refresh Interval(sec): 60 STUN Server Port: 3478

Save Settings Cancel Changes Reboot

Help

SIP Parameters :
These parameters are related to registration and call.

NAT Traversal:
It is helpful for the device behind NAT.

Item	Descriptions
SIP T1	RFC 3261 T1 value (RTT estimate), which can range from 0 to 64 second. Defaults to .5 seconds
Max forward	SIP Max Forward value, which can range from 1 to 255. Defaults to 70.
SIP Reg User Agent Name	User-Agent name to be used in a REGISTER request. If this is not specified, the <SIP User Agent Name> is also used for the REGISTER request. Defaults to blank
Max Auth	Maximum number of times (from 0 to 255) a request may be challenged.

	Default is 2.
Make ALL AVT Package	For second dial tone, enable this item package Mark position is 1, disable this item will be 0.
RFC 254.3 Call Hold	If set to yes, unit will include c=0.0.0.0 syntax in SDP when sending a SIP re-INVITE to the peer to hold the call. If set to no, unit will not include the c=0.0.0.0 syntax in the SDP. The unit will always include a=sendonly syntax in the SDP in either case. Defaults to yes
SRTP	Enable/Disable SRTP(Secure Real-time Transport Protocol)
SRTP Prefer Encrypto	SRTP encryption type.

NAT setting

Set your NAT Traversal parameters in the following interface. It is helpful for the device behind NAT

NAT Traversal

NAT Traversal

NAT Traversal: STUN Server IP:

NAT Refresh Interval(sec): Port:

Item	Descriptions
NAT Traversal	Enable/Disable NAT. VIP-362WT supports STUN traversal, choose "STUN" in the "NAT Traversal Mode" if you want traverse NAT/Firewall.
STUN Server IP	STUN server IP address, default is stun.fwdnet.net
NAT Refresh Interval (sec)	the interval to refresh
Port	STUN port

SIP Account

In this webpage, users can configuration the information about SIP account1, including the following 4

parts: Basic, Audio Configuration, User and Advanced, user can program all the SIP parameters. For VIP-362WT it can support 5 lines registered.

Basic

Set the basic information provided by your VOIP Service Provider, such as Phone Number, Account, password, SIP Proxy and so on.

Basic			
Basic Setup			
Line Enable:	<input type="text" value="Enable"/>	Peer To Peer:	<input type="text" value="Disable"/>
Proxy DNS Type:	<input type="text" value="A Type"/>	VPN:	<input type="text" value="Disable"/>
Proxy and Registration			
Domain Name:	<input type="text"/>	SIP Server:	<input type="text" value="192.168.100.100"/>
SIP Port:	<input type="text"/>	SIP Port:	<input type="text" value="5060"/>
Outbound Proxy:	<input type="text"/>	Outbound Port:	<input type="text" value="5060"/>
Subscriber Information			
Display Name:	<input type="text" value="6588"/>	Phone Number:	<input type="text" value="6588"/>
Account:	<input type="text" value="6588"/>	Password:	<input type="text" value="••••"/>

Item	Descriptions
Line Enable	Enable/Disable SIP Line
Peer to Peer	Enable/Disable PEER to PEER If enable, SIP line will not send register request to SIP server; In System Status, SIP line Status is Registered; SIP-1 can make call out, but others can not call SIP line.
Proxy DNS Type	Choose DNS type from A Type and DNS SRV.
Use VPN	Enable/Disable VPN
Domain Name	The domain of SIP Server
SIP Server	The IP address of SIP Server
SIP Port	The port which SIP Server supports for VOIP service, default is 5060
Outbound Proxy	Outbound Proxy IP or domain name
Outbound Port	Outbound Proxy's Service port
Display Name	The number will display in callee
Phone Number	Number of telephone provided by SIP Proxy
Account	SIP account provided by SIP Proxy
Password	SIP password provided by SIP Proxy

Audio Configuration

Select the audio Codec you want to use...

Audio Configuration

Codec Setup

Audio Codec Type 1:	<input type="text" value="G.711U"/>	Audio Codec Type 2:	<input type="text" value="G.711A"/>
Audio Codec Type 3:	<input type="text" value="G.729"/>	Audio Codec Type 4:	<input type="text" value="G.722"/>
Audio Codec Type 5:	<input type="text" value="G.723"/>	G.723 Coding Speed:	<input type="text" value="5.3k bps"/>
Packet Cycle(ms):	<input type="text" value="20ms"/>	Echo Cancel:	<input type="text" value="Enable"/>
Silence Supp Enable:	<input type="text" value="Disable"/>		

Item	Descriptions
Audio Codec Type1	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
Audio Codec Type2	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
Audio Codec Type3	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
Audio Codec Type4	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
Audio Codec Type5	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
G.723 Coding Speed	Choose the speed of G.723 from 5.3kbps and 6.3kbps
Packet Cycle	The RTP packet cycle time

Supplementary Services Subscription

Call Waiting - This call feature allows your phone to accept other incoming calls during the conversation.

Supplementary Service Subscription

Supplementary Services

Call Waiting:	<input type="text" value="Enable"/>	Delayed Hot Line:	<input type="text"/>
Dial Prefix:	<input type="text"/>	Voice Mailbox Numbers:	<input type="text"/>
MWI Enable:	<input type="text" value="Disable"/>		

Item	Descriptions
Call Waiting	Enable / Disable Call waiting.

Call Pickup	Enable / Disable Call Pickup.
Delayed Hot Line	Fill in the hotline number. Pickup handset or press speaker/headset button, VIP-362WT will dial out the hotline number automatically. Ex: xxxT4 will delay 4 seconds, then transfer to xxx(set to T0 will not delay.)
MWI Enable	Enable / Disable MWI (message waiting indicate).
Voice Mailbox Numbers	Fill in the voice mailbox phone number

Advanced

IP phone make calls based on SIP accounts, IP phone can support 4 independent SIP account, and each account can be configured to different SIP server.

Advanced

Advanced Setup

Domain Name Type:	<input type="text" value="Disable"/>	Carry Port Information:	<input type="text" value="Disable"/>
Signal Port:	<input type="text" value="5060"/>	DTMF Type:	<input type="text" value="RFC2833"/>
RFC2833 Payload(>=96):	<input type="text" value="101"/>	Register Refresh Interval(sec):	<input type="text" value="3600"/>
RTP Port:	<input type="text" value="0"/> (=0 auto select)	Cancel Message Enable:	<input type="text" value="Disable"/>
Prack Enable:	<input type="text" value="Disable"/>	SIP Ping Enable:	<input type="text" value="Disable"/>
Keep-alive Interval(10-60s):	<input type="text" value="15"/>		

Item	Descriptions
Domain name Mode	If or not use domain name in the SIP URI
Carry Port Information	If or not carry Port information in the SIP URI.
Signal Port	The local port of SIP protocol, default is 5060
DTMF Type	Choose the DTMF type from IN_band, RFC2833 and SIP INFO.
RFC2833 Payload (>=96)	User can use the default setting
Register Refresh Interval	The interval between two normal Register messages. You can use the default setting.
RTP Port	Set the port to send RTP. IP Phone will select one idle port for RTP if you set "0", otherwise use the value user set.

Cancel Message Enable	When you set enable, an unregistered message will be sent before registration, while you set disable, unregistered message will not be sent before registration. You should set the option for different Proxy.
Prack Enable	Enable / Disable prack.
SIP Ping Enable	If this option enable, IP Phone will send SIP-PING to Server periodically instead of sending hello packet. The send interval is Keep-alive interval.
Keep-alive interval (10-60s)	The interval that IP Phone will send an empty packet to Proxy.

Chapter 6 Network Setting

6

Basic

In this item you can program all the Network parameters.

Basic	Wireless	MAC Address Clone	VPN	DMZ	QoS
Internet Port (WAN)					
Internet Port (WAN)					
Internet Connection Type	Automatic Configuration - DHCP				
DNS Type	Manual				
Primary DNS	168	95	1	1	
Second DNS	168	95	1	2	
PC Port(LAN)					
PC Port(LAN)					
PC Port Connection Type	Bridge				
Local IP Address:	192	168	252	1	
Subnet Mask:	255.255.255.0				
Network Address Server Settings (DHCP)					
Local DHCP Server	Disable				
Start IP Address	192	168	252	2	
Number of Address	253				
Client Lease Time	48 Hr(0 means one day).				
Primary DNS	219	141	136	10	
Second DNS	219	141	140	10	

Help

Internet Port (WAN):
Static IP - Set the IP Address, Subnet Mask and Default Gateway that you have gotten from you ISP provider.
DHCP - You will get an IP Address, Subnet Mask and Default Gateway from some DHCP Server.
PPPoE - Set the PPPoE Account and PPPoE Password that you have gotten from your ISP provider.

PC Port(LAN):
NAT - The product will be same as a router.
Bridge - The LAN port is same as the WAN port.
DHCP Server - It will assign the IP Addressed set here to devices that connect to the LAN port.
Number of Address - You may limit the number of addresses your router hands out.

Internet Port (WAN)

Internet Port WAN (Static IP)

Internet Port (WAN)					
Internet Port (WAN)					
Internet Connection Type	Static IP				
IP Address	192	168	20	104	
Subnet Mask	255	255	255	0	
Default Gateway	192	168	20	1	
Primary DNS	202	96	134	33	
Second DNS	202	96	128	86	

Item	Descriptions
Internet Connection	Choose Static IP.

Type	
IP Address	The IP address of Internet port
Subnet Mask	The subnet mask of Internet port.
Default Gateway	The default gateway of Internet port.
Primary DNS	The primary DNS of Internet port.
Second DNS	The second DNS of Internet port.
Internet Connection Type	Choose Static IP.

Internet Port WAN (DHCP)

Internet Port (WAN)

Internet Port (WAN)

Internet Connection Type: Automatic Configuration - DHCP

DNS Type: Manual

Primary DNS: 202 . 96 . 134 . 33

Second DNS: 202 . 96 . 128 . 86

Item	Descriptions
Internet Connection Type	Choose Automatic Configuration-DHCP.
DNS type	Choose DNS type from Manual and Automatic 1. In Manual: user should set the Primary DNS and Second DNS manually. 2. In Automatic: IP Phone will get the Primary DNS and Second DNS from DHCP Server automatically.

Internet Port WAN (PPPoE)

Internet Port (WAN)

Internet Port (WAN)

Internet Connection Type:

PPPoE Account:

PPPoE Password:

MTU:

MRU:

PPPoE Auto Dial:

DNS Type:

Primary DNS: . . .

Second DNS: . . .

Item	Descriptions
Internet Connection Type	Choose PPPoE.
PPPoE Account	Fill in the PPPoE account which get from Internet Service Provider
PPPoE Password	Fill in the PPPoE account get from Internet Service Provider
PPPoE Auto-Dial	Enable / Disable PPPoE Auto-Dial.
DNS Type	Choose DNS type from Manual and Automatic 1. In Manual: user should set the Primary DNS and Second DNS manually. 2. In Automatic: IP Phone will get the Primary DNS and Second DNS from DHCP Server automatically.
Primary DNS	The primary DNS of Internet port.
Second DNS	The second DNS of Internet port.

PC Port(LAN)

Support Three mode disable,NAT, Bridge mode

PC Port(LAN)

PC Port(LAN)

PC Port Connection Type:

Local IP Address: . . .

Subnet Mask:

Item	Descriptions
PC Port Connection Type	Choose the PC port connection type from disable, NAT and Bridge. <i>NAT</i> - The product will be same as a router. <i>Bridge</i> - The LAN port is same as the WAN port <i>Disable</i> - PC port switch to NAT mode, but Internet port and PC port can't communication to each other.(The device behind the PC port still can connect to each other)
Local IP Address	Set the IP address of PC port. Efficient when user choose NAT.
Subnet Mask	Set the subnet mask of PC port. Efficient when user choose NAT.

Network Address Server Settings (DHCP)

Support Three mode disables NAT, Bridge mode,

DHCP Server - It will assign the IP Addressed set here to devices that connect to the LAN port.

Number of Address - You may limit the number of addresses your router hands out.

Network Address Server Settings (DHCP)

Local DHCP Server	Enable <input type="button" value="v"/>
Start IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="252"/> . <input type="text" value="2"/>
Number of Address	<input type="text" value="253"/>
Client Lease Time	<input type="text" value="48"/> Hr(0 means one day).
Primary DNS	<input type="text" value="219"/> . <input type="text" value="141"/> . <input type="text" value="136"/> . <input type="text" value="10"/>
Second DNS	<input type="text" value="219"/> . <input type="text" value="141"/> . <input type="text" value="140"/> . <input type="text" value="10"/>

Item	Descriptions
Local DHCP Server	Enable / Disable DHCP Server. If PC port is not in NAT mode, user can not enable DHCP server.
Start IP Address	The starting IP address which IP phone will attribute to clients. Note: The Network Sect of DHCP Server Start Address should be the same with the one that VIP-362WT's PC port. Generally speaking, you can use the default setting.
Number of Address	Number of IP address will distribute to clients.
Client Lease Time	The interval of DHCP will send request to continue in period of validity. Unit is hour.
Primary DNS	Primary DNS that DHCP Server will distribute.

	You can use the default setting.
Secondary DNS	Secondary DNS that DHCP Server will distribute. You can use the default setting.
Local DHCP Server	Enable / Disable DHCP Server. If PC port is not in NAT mode, user can not enable DHCP server.

Wireless

Wireless Setting

Wireless Settings

Internet Connection Type: Automatic Configuration - DHCP

DNS Type: Auto

Primary DNS: 192 . 168 . 1 . 1


Second DNS: 219 . 141 . 140 . 10

Same as Internet Port (WAN), support Fixed IP, PPPoE, DHCP



Wireless Connection

Wireless Connection

Connection Status: Disconnected

SSID	Authentication	Encryption	Status
HJ-Wireless	OPEN	WEP	

Connect Refresh

Item	Descriptions
Connection Status	Display the current connection status, and the name of connected AP appear in the brackets if the wireless is connected.
SSID	The SSID name of all searched AP.
Authentication	Display the authentication type of the AP
Encryption	Display the encryption type of the AP
Status	Display the status of the AP. The icon  stands for the IP542N have connected to the AP. The icon  stands for the signal strength of the AP.

MAC Address Clone

MAC Address Clone: Some ISPs will require you to register your MAC address. If you do not wish to re-register your MAC address, you can have the router clone the MAC address that is registered with your ISP.

MAC Address Clone

MAC Clone

Clone WAN MAC: : : : : :

Item	Descriptions
MAC Clone	<p>MAC is the hardware address of network equipment. Sometimes, network providers may bind network account with the network equipment's MAC address. So you may not pass the provider's authentication when you use a new VIP-362WT. In this case, you can use MAC Clone to copy your PC's MAC address to VIP-362WT's Internet port.</p> <p>MAC is an important parameter for network equipments, so you should make sure that the MAC is right, in order to prevent to make VIP-362WT unusable.</p> <p>You can login VIP-362WT's Web via PC port if you are incautious to make it wrong. And then cloning the right MAC or resume the default settings.</p>
MAC Clone Step	<p>Step 1 Press <input type="button" value="Get Current PC MAC Address"/> button to get the PC's MAC address</p> <p>Step 2 Press <input type="button" value="Save Settings"/> to save the changes</p> <p>Step 3. Press <input type="button" value="Clear"/> to cancel MAC address clone.</p> <p>Step 4. Press Reboot to reboot VIP-362WT.</p>

VPN

A Virtual Private Network (VPN) is the extension of a private network that encompasses links across

shared or public networks like the Internet. In short, by VPN technology, you can send data between two computers across a shared or public network in a manner that emulates the properties of a point-to-point private link.

VPN Settings

Administration

VPN Enable:

Initial Service IP:

Initial Service Port:

User Name:

Password:

Route Strategy:

Item	Descriptions
VPN Enable	Enable / Disable VPN. And user can choose the VPN mode from PPTP and L2TP.
Initial Service IP	VPN server IP address.
Initial Service Port	VPN server port.
User Name	The user name for authentication.
Password	Password for authentication.
Route Strategy	Choose route mode from All or SIP.

DMZ

Enabling this option will expose the specified host to the Internet. All ports between the DMZ Start Port and the DMZ End Port will be accessible from the Internet.

Demilitarized Zone (DMZ)

DMZ

Use DMZ

DMZ Host IP Address

DMZ Start Port

DMZ End Port

Item	Descriptions
Use DMZ	Enable / Disable DMZ
DMZ Host IP Address	set the IP address of DMZ host
DMZ Start Port	set the start port of DMZ host
DMZ End Port	set the end port of DMZ host

DMZ Example:
 For example, the DMZ computer's IP is "192.168.1.2", "DMZ start port" and "DMZ end port" is 20 and 1023. The DMZ function is that DMZ computer can get the requests from the ports (20 to 1023) of VIP-362WT's Internet port.

QoS

Layer 3 QoS: Set the IP TOS value of SIP and RTP Packets.

Layer 2 Qos: Set the value of 802.1Q and 802.1p priority

QoS Settings

Layer 3 QoS

SIP QoS

RTP QoS

Data QoS

Layer 2 Qos

802.1Q/VLAN ID

802.1p PRI

Item	Descriptions
	<p>Some ISP supply QoS services. The QoS services can make the best of improving the quality of Voice application. You can get the settings from the ISP if they supply QoS services. Please connect with them if you need it.</p>

Chapter 7

Phone Configurations

User can configuration volume, call forward, multi-functional key, dial plan, phonebook and call log.

Performance

User can configuration the value of ring volume, speakerphone volume, handset volume and so on.

Volume

Volume Settings - Adjust the input gain or the volume of handset/speaker/ring

Preference

Volume Settings

Handset Input Gain:	<input type="text" value="5"/>	Speakerphone Input Gain:	<input type="text" value="5"/>
Handset Volume:	<input type="text" value="5"/>	Speaker Volume:	<input type="text" value="5"/>
Ringer Volume:	<input type="text" value="5"/>		

Items	Description
Handset Input Gain	Adjust the handset input gain from 0-7
Handset Volume Gain	Adjust the output gain from 0-7
Speakerphone Input Gain	Adjust the speakerphone input gain from 0-7
Speaker Volume	Adjust the speaker volume form 0-7
Ringer Volume	Adjust the ringer volume form 0-7.

Regional

Modification the Tone type and tone parameters.

Regional

Tone Type:	<input type="text" value="US"/>		
Min Jitter Delay(ms):	<input type="text" value="0"/>	Max Jitter Delay(ms):	<input type="text" value="80"/>
Hook-On Tone Delay(Sec):	<input type="text" value="4"/>	Ringing Time(Sec):	<input type="text" value="60"/>
Busy Tone Delay(Sec):	<input type="text" value="5"/>		

Items	Description
Tone Type	Choose tone type form China, US, Hong Kong and KR.
Min Jitter Delay (ms)	The Min value of VIP-362WT's jitter delay, VIP-362WT's jitter is an adaptive jitter mechanism.
Max Jitter Delay (ms)	The Max value of VIP-362WT's jitter delay, VIP-362WT's jitter is an adaptive jitter mechanism.
Hook-On Tone Delay (sec)	How long VIP-362WT will delay to sound hook-on tone when call party end call.
Ringing Time(Sec)	How long VIP-362WT will ring
Busy Tone Delay(Sec)	Before the busy tone VVIP-256WT will send the delay tone(like di,di.), this parameter defind how long the delay tone is.

Call Forward

Call Forward - This feature allows you to forward an incoming call to another phone number.

Call Forward

Cfwd All Dest:	<input type="text"/>	Cfwd Busy Dest:	<input type="text"/>
Cfwd No Ans Dest:	<input type="text"/>	Cfwd No Ans Delay:	<input type="text" value="20"/>

Items	Description
Cfwd All Dest	The phone number which will be forwarded to. IP Phone will forward all calls to the phone number immediately when there is an incoming call.
Cfwd Busy Dest	The phone number which will be forwarded to when line is busy.
Cfwd No Ans Dest	The phone number which will be forwarded to when there's no answer at your phone.
Cfwd No Ans Delay	The seconds to delay forwarding calls, if there is no answer at your phone.

Miscellaneous

Auto Answer - All the incoming calls will be put through automatically.

Miscellaneous

Auto Answer:	<input type="text" value="Disable"/>	Dial Time Out:	<input type="text" value="5"/>
Call Immediately Key:	<input type="text" value="#"/>	ICMP Ping:	<input type="text" value="Disable"/>

Items	Description
Auto Answer	Enable / Disable auto answer. If enable, VIP-362WT will auto answer all incoming call immediately.
Dial Time Out	How long VIP-362WT to sound dial out tone when VIP-362WT dialing number.
Call Immediately Key	Choose call immediately key form * or #.
ICMP Ping	Enable / Disable ICMP Ping. If enable this option, VIP-362WT will ping the SIP Server every interval time, otherwise, It will send "hello" empty packet to the SIP Server.

Dial Plan

Dial Plan

General

Dial Plan Disable ▾

No.	Line	Digit Map	Action	Move Up	Move Down	
	Line 1 ▾		Deny ▾			OK Cancel

Save Settings
Cancel Changes
Reboot

Items	Description
Dial Plan	Enable / Disable dial rule.
Line	Choose the call mode from line1, line2, line3, line4 and line5.
Digit Map	Fill in the sequence used to match input number
	The syntactic, please refer to the following Dial Plan Syntactic
Action	Choose the dial plan mode from Deny and Dial Out. Deny means VIP-362WT will reject the matched number, while Dial Out means VIP-362WT allow dial out the matched number.
Move Up	Press it to move up.

Dial Plan

General

Dial Plan

Disable ▾

No.	Line	Digit Map	Action	Move Up	Move Down	<input type="checkbox"/>
1	Line1	<9:010>2010110	Dial Out	▲	▼	<input type="checkbox"/>
2	Line2	<5,:><:241333>8101	Dial Out	▲	▼	<input type="checkbox"/>
3	Line3	<[4-6]:>22x<:333>	Dial Out	▲	▼	<input type="checkbox"/>
4	Line4	<9,8,:>711	Dial Out	▲	▼	<input type="checkbox"/>
5	Line5	<[2-5],:5>622.	Deny	▲	▼	<input type="checkbox"/>

Line

Line 1 ▾

Digit Map

Action

Deny ▾

OK

Cancel

Save Settings

Cancel Changes

Reboot

Items	Description
Adding one dial plan:	
	Step 1. Enable Dial Plan
	Step 2. Click Add button, and the configuration table
	Step 3. Fill in the value of parameters.
	Step 4. Press OK button to end configuration.
	Step 5. Press Save Settings button to save changes.
Editing one dial plan:	
	Step 1. Enable Dial plan
	Step 2. Choose one dial plan
	Step 3. Click Edit button, and the configuration table
	Step 4. Change the value of parameters.
	Step 5. Press OK button to end configuration.
	Step 6. Press Save Settings button to save changes.
Deleting one dial plan:	

- Step 1. Enable Dial plan
- Step 2. Choose one dial plan
- Step 3. Click Delete button to delete the dial plan

Dial Plan Syntactic

Items	Description
0 1 2 3 4 5 6 7 8 9 * #	Legal characters
X	Lowercase letter x stands for one legal character
[sequence]	To match one character form sequence. For example: 1.[0-9]: match one digit form 0 to 9 2.[23-5*]: match one character from 2 or 3 or 4 or 5 or *
x.	Match to $x^0, x^1, x^2, x^3, \dots, x^n$ For example: "01.": can match "0", "01", "011", "0111",, "01111..."
<dialled: substituted>	Replace dialed with substituted. For example : <8:1650>123456 : input is "85551212", output is"16505551212"
x,y	Make outside dial tone after dialing "x", stop until dialing character "y" For example : "9,1xxxxxxxxx":VIP-362WT make outside dial tone after inputting "9", stop tone until inputting "1" "9,8,010x": make outside dial tone after inputting "9", stop tone until inputting "0"
T	Set the delayed time. For example: "<9:111>T2": VIP-362WT will dial out the matched number "111" after 2 seconds.

Dial Plan

General
Dial Plan

No.	Line	Digit Map	Action	Move Up	Move Down	
1	Line1	<:010>#12<#:%23>2	Dial Out	▲	▼	<input type="checkbox"/>
2	Line2	<5,;:<:241333>8101	Dial Out	▲	▼	<input type="checkbox"/>
3	Line3	<[4-5]:>22xxxx<:333>	Dial Out	▲	▼	<input type="checkbox"/>
4	Line4	<2-3,;5:>622.	Dial Out	▲	▼	<input type="checkbox"/>
5	Line5	777x.8	Deny	▲	▼	<input type="checkbox"/>

Example 1 (points to Line 1)
Example 2 (points to Line 2)
Example 3 (points to Line 3)
Example 4 (points to Line 4)
Example 5 (points to Line 5)

Items	Description
Example 1	If user dials #12#2, VIP-362WT will call 010#12%232 immediately.
Example 2	If user dials 5,8101, VIP-362WT will call 2413338101 immediately, And VIP-362WT will make outside dial tone after inputting "5", stop tone until inputting "8".
Example 3	If user dials 422xxxx or 522xxxx, VIP-362WT will call 22xxxx333 immediately.
Example 4	If user dials 2,622 or 2,6222 or 2,62222 or 2.622222 or 3.622222 , VIP-362WT will call 5622 or 56222 or 562222 or 5622222 or 5622222 immediately. And VIP-362WT will make outside dial tone after inputting "2" or "3", stop tone until inputting "6".
Example 5	If user dials 777x8 , VIP-362WT will reject the phone number out.

Phonebook

Phonebook

The list Show all the directory entries. Please click "Save Settings" button to save this list after you edit or add an item.

Name

Number

Items	Description
Name	Input the name
Number	Input the phone number

Phonebook

Index	Name	Number	<input type="checkbox"/>
1	amm	111	<input type="checkbox"/>
2	bob	112	<input type="checkbox"/>
3	tom	113	<input checked="" type="checkbox"/>
4	alice	114	<input type="checkbox"/>
5	lily	115	<input type="checkbox"/>
6	arice	116	<input type="checkbox"/>
7	jon	117	<input type="checkbox"/>
8	wic	118	<input type="checkbox"/>
9	wali	119	<input type="checkbox"/>
10	luce	120	<input type="checkbox"/>

Items	Description
	Adding one phone book: Step 1. Click Add button, and the configuration table Step 2. Fill in the value of parameters. Step 3. Press OK button to end configuration. Step 4. Press Save Settings button to save changes.
	Editing one phone book:

- Step 1. Choose one phone book
- Step 2. Click Edit button, and the configuration table
- Step 3. Change the value of parameters.
- Step 4. Press OK button to end configuration.
- Step 5. Press Save Settings button to save changes.

Deleting one phone book:

- Step 1. Choose one phone book
- Step 2. Click Delete button to delete the phone book

Move one phone book to Black list:

- Step 1. Choose one phone book
- Step 2. Click Move to blacklist button to delete the phone book

Black List

Calls from this list can not get through.

Name

Number

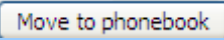
Items	Description
Name	Input the name
Number	Input the phone number

Black List

Index	Name	Number	<input type="checkbox"/>
1	k	122	<input type="checkbox"/>
2	w	123	<input checked="" type="checkbox"/>
3	q	124	<input type="checkbox"/>
4	r	125	<input type="checkbox"/>

Name

Number

Items	Description
	<p>Adding one Black List:</p> <p>Step 1. Click Add button, then the configuration table.</p> <p>Step 2. Fill in the value of parameters.</p> <p>Step 3. Press OK button to end configuration.</p> <p>Step 4. Press Save Settings button to save changes.</p>
	<p>Editing one Black List:</p> <p>Step 1. Choose one black list</p> <p>Step 2. Click Edit button, and the configuration table</p> <p>Step 3. Change the value of parameters.</p> <p>Step 4. Press OK button to end configuration.</p> <p>Step 5. Press Save Settings button to save changes.</p>
	<p>Deleting one Black List:</p> <p>Step 1. Choose one black list</p> <p>Step 2. Click Delete button to delete the black list</p>
	<p>Moving one Black List to phonebook:</p> <p>Step 1. Choose one black list</p> <p>Step 2. Click  button to move the black list to the phonebook</p>

Call Log

To view the call log information such as redial list (incoming call), answered call and missed call

Status SIP Account Network Phone Administration Admin Mode [Logout]									
Preference		Multi-Functional Key		Dial Plan		Phonebook		Call Log	
Redial List									
Index	Name	Number	Start Time	Duration					
1	1001	1001	06/03 18:42	00:00:07	<input type="checkbox"/>				
2	1006	1006	01/01 00:00	00:00:00	<input type="checkbox"/>				
3	1001	1001	06/03 14:56	00:00:06	<input type="checkbox"/>				
4	1001	1001	06/03 14:53	00:00:08	<input type="checkbox"/>				
5	1002	1002	05/16 14:46	00:00:00	<input type="checkbox"/>				
6	1001	1001	05/16 14:46	00:00:07	<input type="checkbox"/>				
7	1002	1002	05/16 14:30	00:00:14	<input type="checkbox"/>				
8	1001	1001	05/16 14:30	00:00:28	<input type="checkbox"/>				
9	1001	1001	05/16 14:29	00:00:09	<input type="checkbox"/>				
10	1001	1001	01/01 00:03	00:00:23	<input type="checkbox"/>				
Answered Calls									
Index	Name	Number	Start Time	Duration					
1	1002	1002	06/03 18:49	00:00:02	<input type="checkbox"/>				
2	1007	1007	01/01 00:02	00:00:08	<input type="checkbox"/>				
3	1002	1002	06/03 18:44	00:00:03	<input type="checkbox"/>				
4	1006	1006	01/01 00:01	00:00:15	<input type="checkbox"/>				
5	1001	1001	05/16 15:01	00:00:16	<input type="checkbox"/>				
6	1006	1006	01/01 00:00	00:00:29	<input type="checkbox"/>				
7	1001	1001	05/16 14:38	00:00:37	<input type="checkbox"/>				
8	1001	1001	01/01 00:06	00:00:25	<input type="checkbox"/>				
9	1001	1001	01/01 00:06	00:00:22	<input type="checkbox"/>				
Missed Calls									
Index	Name	Number	Start Time	Duration					

VoIP IP Phone Administration

In this item; can configuration the Time/Date, password, web access, system log and so on

Management

In this page can configuration the value of Time/Date, password, web access, and system log and so on

Time/Date

Items	Description
NTP Server	Fill in the NTP server IP address or Domain name
Time Zone	Choose the time zone
Manual Time	Adjust time by manual
Alarm Enable	If or not enable alarm
Alarm Time	Set alarm time
Daylight Saving Time	If or not enable daylight saving time.
Offset	Offset time, “-60” means advancing 60miniter, “60” means delaying 60minite
Start Month	Choose starting month
Start Day of Week	Choose starting day
Start Day of Week Last in Month	Choose starting week
Start Hour of Day	Choose starting hour
Stop Month	Choose stopping month
Stop Day of Week	Choose stopping day
Stop Day of Week Last in Month	Choose stopping week
Stop Hour of Day	Choose stopping the function hour

Time/Date

Time/Date

NTP Server:	<input type="text" value="time.bora.net"/>
Time Zone:	<input type="text" value="[GMT+09:00]"/>
Manual Time:	<input type="text" value=""/> : <input type="text" value=""/> : <input type="text" value=""/>
Alarm Enable:	<input type="text" value="Enable"/>
Alarm Time:	<input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/>
Daylight Saving Time	<input type="text" value="Enable"/>
Offset	<input type="text" value="60"/> Min.
Start Month	<input type="text" value="March"/>
Start Day of Week	<input type="text" value="Sunday"/>
Start Day of Week Last in Month	<input type="text" value="Last in Month"/>
Start Hour of Day	<input type="text" value="2"/>
Stop Month	<input type="text" value="October"/>
Stop Day of Week	<input type="text" value="Sunday"/>
Stop Day of Week Last in Month	<input type="text" value="Last in Month"/>
Stop Hour of Day	<input type="text" value="3"/>

Items	Description
Alarm Setting:	
Step 1. Enable alarm	
Step 2. Set alarm time	
Step 3. Press Save Settings button to save changes and then press Reboot button to active changes	

Alarm Enable:	<input type="text" value="Enable"/>
Alarm Time:	<input type="text" value="17"/> : <input type="text" value="40"/> : <input type="text" value="00"/>

Items	Description
Daylight Saving Time:	
Step 1. Enable Daylight Saving Time.	
Step 2. Set value of offset,	
Step 3: Set starting Month/Week/Day/Hour in Start Month/Start Day of Week Last in Month/Start Day of Week/Start Hour of Day, analogously set stopping Month/Week/Day/Hour in Stop Month/Stop Day of Week Last in Month/Stop Day of Week/Stop Hour of Day.	
Step 5. Press Saving Settings button to save and press Reboot button to active changes.	

Daylight Saving Time	Enable ▾
Offset	60 Min.
Start Month	March ▾
Start Day of Week	Sunday ▾
Start Day of Week Last in Month	Last in Month ▾
Start Hour of Day	2
Stop Month	October ▾
Stop Day of Week	Sunday ▾
Stop Day of Week Last in Month	Last in Month ▾
Stop Hour of Day	3

Password Reset

Items	Description
User Type	Choose the user type from admin and user.
Original Password	Input original password
New Password	Input the new password
Password Confirm	Input the new password again

Password Reset

Password Reset

User Type: admin ▾

Original Password:

New Password:

Confirm Password:

Items	Description
Change the password:	<p>Step 1. Choose the admin from the drop-down list.</p> <p>Step 2. Input original password, default setting is null.</p> <p>Step 3. Input a new password twice time in New Password and Confirm</p>

Web Access

Items	Description
WAN Interface Login	If or not enable user login WEB via Internet port. If enable, user can access Web to administration.
Web Login Port	Set the port which used to login WEB via Internet port and PC port, Default is 8080, that is why URL should have 8080.
Web Idle Timeout	Set the web idle timeout time. The web page can be logged out after Web Idle Timeout without any operation.

Web Access:

Web Access:

WAN Interface Login:

Web Login Port:

Web Idle Timeout: Min.

System Log Setting

Items	Description
SysLog Server	Set the SysLog Server IP address or domain name for VIP-256WT.
Log Level	Choose log level from None/Error/Warn/INFO/Debug. The priority changes from left to right, left is the lowest, right is the highest; the higher priority, the more information in syslog.

System Log Setting

Syslog Server:

Log Level:

Local and remote Syslog

In local:

- Step 1. Set syslog server null and choose one kind of Log Level.
- Step 2. Press Saving Settings button to save and press Reboot button to active changes.
- Step 3. User can view syslog in Status/Syslog webpage.

In remote:

- Step 1. Fill in syslog server IP address or domain name
- Step 2. Choose one kind of Log Level.
- Step 3. Press Saving Settings button to save and press Reboot button to active changes.
- Step 4. User can view syslog in syslog server, and you can also view the syslog in Status/Syslog webpage.

System Log Setting

System Log Setting

Syslog Server:

Log Level:

Status SIP Account Network Phone Administration

Basic DHCP Syslog

Syslog

```
<131><11/03 19:46:45>3 Register Terminate(0), 27s later retry
<134><11/03 19:46:45>Administrator Login Web
<131><11/03 19:46:43>3 Register Fail, Timeout
<135><11/03 19:46:43>SEND:REGISTER sip:192.168.100.113 SIP/2.0...
<134><11/03 19:46:42>UI_LED_PRIV_UPDATE_FAILED
<131><11/03 19:46:40>4 Register Terminate(0), 27s later retry
```

Factory Defaults

Items	Description
Factory Default	Press Factory Default button to set VIP-256WT default.

Factory Defaults:

Reset to Factory Default:

Update Firmware

Click on the *Browse...* button to select the firmware file to be uploaded to the router.

Firmware Management

Firmware Upgrade

Upgrade Types: Upgrade Software ▾

Local Upgrade: Browse...

Security

CA Certificate - The issuer of the certificate.

Client Certificate - user's certificate issued by CA.

Private Key - user's private key file.

Items	Description
TR069 CA Certificate	The CA certificate file of TR069
TR069 Client Certificate	The Client Certificate file of TR069
TR069 Private Key	The Private Key file of TR069
Provision CA Certificate	The CA certificate file of provision
Provision Client Certificate	The Client Certificate file of provision
Provision Private Key	The Private Key file of provision

Certificate Update

Update Type: TR069 CA Certificat ▾

Local Upload: Browse...

Update

Upload TR069 and Provision

User can upload cert files for TR069 and Provision as follows:

Step 1. Choose one File Type from .

Step 2. Press to browser file.

Step 3. Press to start upgrading.

Next is the webpage which all files have well uploaded.

Management Firmware Upgrade Security Provision SNMP TR069

Certificate Management

TR069

	Issued To	Issued By	Expiration
CA Certificat	none	none	none
Client Certificat	none	none	none
Private Key		none	

Provision

	Issued To	Issued By	Expiration
CA Certificat	none	none	none
Client Certificat	none	none	none
Private Key		none	

Certificate Update

Update Type:

Local Upload:

Provision

Provision allow a device automatically resync to a specific configuration file on a TFTP server or a web server which use HTTP or HTTPS.

- 1) Provisioning allow VIP-362WT auto-upgrading or auto-configuring
 - 2) VIP-362WT supports 3 ways to provision: TFTP, HTTP and HTTPS.
- ◆ Before testing or using TFTP, user should have tftp server and upgrading file and configuring file.
 - ◆ Before testing or using HTTP, user should have http server and upgrading file and configuring file.
 - ◆ Before testing or using HTTPS, user should have https server and upgrading file and configuring file and CA Certificate file(should same as https server's) and Client Certificate file and Private key file

- 3) User can uploading CA Certificate file and Client Certificate file and Private Key file in Equipment Manage/Cert Manage page.

Items	Description
Provision Enabled	If or not enable provision
Resync On Reset	If or not enable resync after VIP-362WT restart
Resync Random Delay	Set the maximum delay for request the synchronization file
Resync Periodic	Set the periodic time for resync, default is 3600s
Resync Error Retry Delay	If the last resync was failure, VIP-362WT will retry resync after the “Resync Error Retry Delay” time, default is 3600s
Forced Resync Delay	If it's time to resync, but VIP-362WT is busy now, in this case, VIP-362WT will wait for a period time, the longest is “Forced Resync Delay” , default is 14400s, when the time over, VIP-362WT will forced to resync
Resync After Upgrade Attempt	If or not enable firmware upgrade after resync, “yes” is enable
Profile Rule	URL of profile provision file
Phone Num1 for Config	The first phone number which used to reboot VIP-362WT in remote.
Phone Num2 for Config	The second phone number which used to reboot VIP-362WT in remote.
Auto-upgrade Enabled	If or not enable firmware upgrade.
Auto-upgrade Error Retry Delay	Set the time to retry upgrade, effective when the last upgrade was failure
Upgrade Rule	URL of upgrade file

Provision

Configuration Profile

Provision Enable	<input type="text" value="yes"/>	Resync On Reset	<input type="text" value="yes"/>
Resync Random Delay	<input type="text" value="40"/>	Resync Periodic	<input type="text" value="3600"/>
Resync Error Retry Delay	<input type="text" value="3600"/>	Forced Resync Delay	<input type="text" value="14400"/>
Resync After Upgrade Attempt	<input type="text" value="yes"/>		
Profile Rule	<input type="text" value="1"/>		
Private Key Password:	<input type="text" value="whatever"/>		
Phone Num1 for Config	<input type="text"/>		
Phone Num2 for Config	<input type="text"/>		

Firmware Upgrade

Upgrade Enable	<input type="text" value="yes"/>
Upgrade Error Retry Delay	<input type="text" value="3600"/>
Downgrade Rev Limit	<input type="text" value="0"/>
Upgrade Rule	<input type="text"/>

SNMP

Allow the device to be managed by the Manager which is set in the SNMP Manager IP.

Items	Description
SNMP Enable	If or not enable SNMP
Get Community	String, as an express password between management process and the agent process
Set Community	String, as an express password between management process and the agent process
SNMP Manager IP 1-4	The IP address of SNMP Manager

SNMP Configuration

SNMP Configuration

SNMP Service: ▾

Read Community Name:

Write Community Name:

SNMP Manager IP 1:

SNMP Manager IP 2:

SNMP Manager IP 3:

SNMP Manager IP 4:

SNMP Trap Server IP:

TR 069

Allow the device to be managed by the ACS server which is set in the ACS URL.

Items	Description
TR069 Enable	If or not enable TR069
CWMP	If or not enable TR069
ACS URL	The URL of TR069 server
User Name	The VIP-362WT's user name for connecting to TR069 server
Password	The VIP-362WT's password for connecting to TR069 server
Periodic Inform Enable	If or not enable periodic information
Periodic Inform Interval	The interval to send information to TR069 server
User Name	The TR069 server's user name for connecting to VIP-362WT
Password	The TR069 server's password for connecting to VIP-362WT
SSL Key	Fill in SSL key.

TR069 Configuration**ACS**

TR069 Enable:	<input type="text" value="Disable"/>
CWMP	<input type="text" value="Enable"/>
ACS URL	<input type="text"/>
User Name	<input type="text"/>
Password	<input type="text"/>
Periodic Inform Enable	<input type="text" value="Enable"/>
Periodic Inform Interval	<input type="text" value="30"/>

Connect Request

User Name	<input type="text"/>
Password	<input type="text"/>
SSL Key	<input type="text"/>

Appendix A Frequently Asked Questions List

Q1 : No Operation after Power On?

A1: Check if the power adapter is properly connected.

Q2: No Dial Tone?

A2: Check if the handset cord is properly connected.

Q3: Can not Make a Call?

A3: Check the status of your SIP registration status or contact your administrator, supplier, or ITSP for more information or assistance.

Q4: Can not Receive Any Phone Call?

A4 : Check the status of your SIP registration status, or contact your administrator, supplier, or ITSP for more information or assistance

Q5: No Voice during an Active Call?

A5: Check if the servers support the current audio codec type, or contact your administrator, supplier, or ITSP for more information or assistance.

Q6: Can not connect to the configuration Website?

A6: Check if the Ethernet cable is properly connected.

Check if the URL is right wrote, the format of URL is: http:// the Internet port IP address

Check if your firewall/NAT settings are correct.

Check if the version of IE is IE8, or use other browser such as Firefox or Mozilla, or contact your administrator, supplier, or ITSP for more information or assistance.

Q7: Forget the Password?

A7: Default password of website and menu is null.

If user changed the password and then forgot, you can not access to the configuration website or the menu items which need password.

Solution:

Factory default: press Menu button and choose 16Factory Default, then a notice will appear, choose OK by using the corresponding softkey button.

If you choose factory default, you will return the phone to the original factory settings and will erase ALL current settings, including the directory and call logs.

Q8: How to switch to different line to dial out?

A8: Before dial out, press the correspondence line number you want to use, ex: want to use Line 4 to dial out, must press 4, to switch to line 4 then dial out.

<input type="text"/> LINE 1	
<input type="text"/> LINE 2	
<input type="text"/> LINE 3	
<input type="text"/> LINE 4	

Appendix B Specifications

Product	802.11n wireless Desktop IP Phone
Model	VIP-362WT
Hardware	
PC	10/100M, Half or Full Duplex, auto-negotiation
LAN	10/100M, Half or Full Duplex, auto-negotiation
Display	128x64 Graphic LCD with white back light
Headset Jack	3.5mm earphone jack
Phone Keys	4 soft keys 4 Line keys with red-green dual color LED for indication MENU, DND, HOLD Volume+, Volume- and navigate key MUTE Headphone, Hands free 12 Dialing Buttons (0~9, *, #),
Protocols and Standard	
Standard	SIP V2 (RFC 3261,3262,3263,3264) Backward Compatible with RFC2543 Session Timer (RFC4028) SDP (RFC2327) RTP/RTCP (RFC1889 and RFC1890) NAPTR for SIP URI Lookup (RFC2915) STUN (RFC 3489) ARP/RARP (RFC 826/903) SNTP (RFC 2030) DHCP server and client HTTP Server for Web Management TFTP/HTTP/HTTPS for Auto Provisioning Message Waiting Indicator (RFC3842) DHCP Option Codes for SIP (RFC3361) DNS/DNS SRV (RFC1706 and RFC 2782) IEEE802.1Q VLAN/802.1p and IP TOS
VPN Network	PPTP and L2TP
Voice Code	G.711 (A-Law, μ -Law), G.729, G.723, G.722
Voice Standard	Adaptive Jitter Buffer Management Voice Activity Detection Comfort Noise Generation Echo Cancellation
Security	802.1p (QoS) User Authentication for configuration pages
Features	
Call Features	4 lines Auto Answer 3-way Conference Music on hold, Call Hold, Call Forwarding Call Mute, Call Transfer, Call Waiting Call Pickup MWI CID and CWCID DTMF Relay: In-band, Out-band(RFC2833) and SIP Info Full-duplex Speakerphone Delayed Hotline Redial, Dial Plan Volume Adjustment
Application	SMS Function

	MAC Address Cloning SIP proxy redundancy: dynamic via DNS SRV, A records Direct IP to IP calling Alarm Clock Day Light Saving NAT Traversal: Traversal by STUN Built-in NAT Router VPN QoS with Layer 2 and Layer 3 DHCP Server and Client IP conflict detection
Network and Configuration	
Internet Connection Type	Fixed IP, DHCP, PPPoE
Management	LCD / Keypad UI Web (HTTP) Auto Provision (TFTP/HTTP/HTTPS)
Dimension (W x D x H)	220 x 187 x 97 (W x D x H) mm
Operating Environment	0~50 Degree C, 10~90% humidity
Power Requirement	5 V DC 1A
EMC/EMI	FCC, CE