OvisLink

www.ovislink.com.tw

AirLive ePhone – 1000

VOIP IP Phone

User's manual

Safety Instructions

Safety Instructions Do not attempt to service the product yourself. Any servicing of this product should be referred to qualified service personal.

To avoid electric shock, do not put your finger, pin, wire, or any other metal objects into vents and gaps.

To avoid accidental fire or electric shock, do not twist power cord or place it under heavy objects.

The product should be connected to a power supply of the type described in the operating instructions or as marked on the product.

To avoid hazard to children, dispose of the product's plastic packaging carefully.

Please read all the instructions before using this product.

Safety Notices

These are the safety considerations for using the **AirLive ePhone-1000.** Read these notices before installing or using the phone.

Warning This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. To see translations of the warnings that appear in this publication, refer to the Regulatory Compliance and Safety Information document that accompanied this device.

Warning Read the installation instructions before you connect the system to its power source.

Warning Ultimate disposal of this product should be handled according to all national laws and regulations.

Warning Do not work on the system or connect or disconnect cables during periods of lightning activity.

Warning To avoid electric shock, do not connect safety extra low voltage (SELV) circuits to telephone network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports use RJ-45 connectors. Use caution when connecting cables.

The next warning applies when you use an external power supply.

Warning This product relies on the building's installation for short-circuit (over current) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors).

Warning The device is designed to work with TN power systems.

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Product Specifications

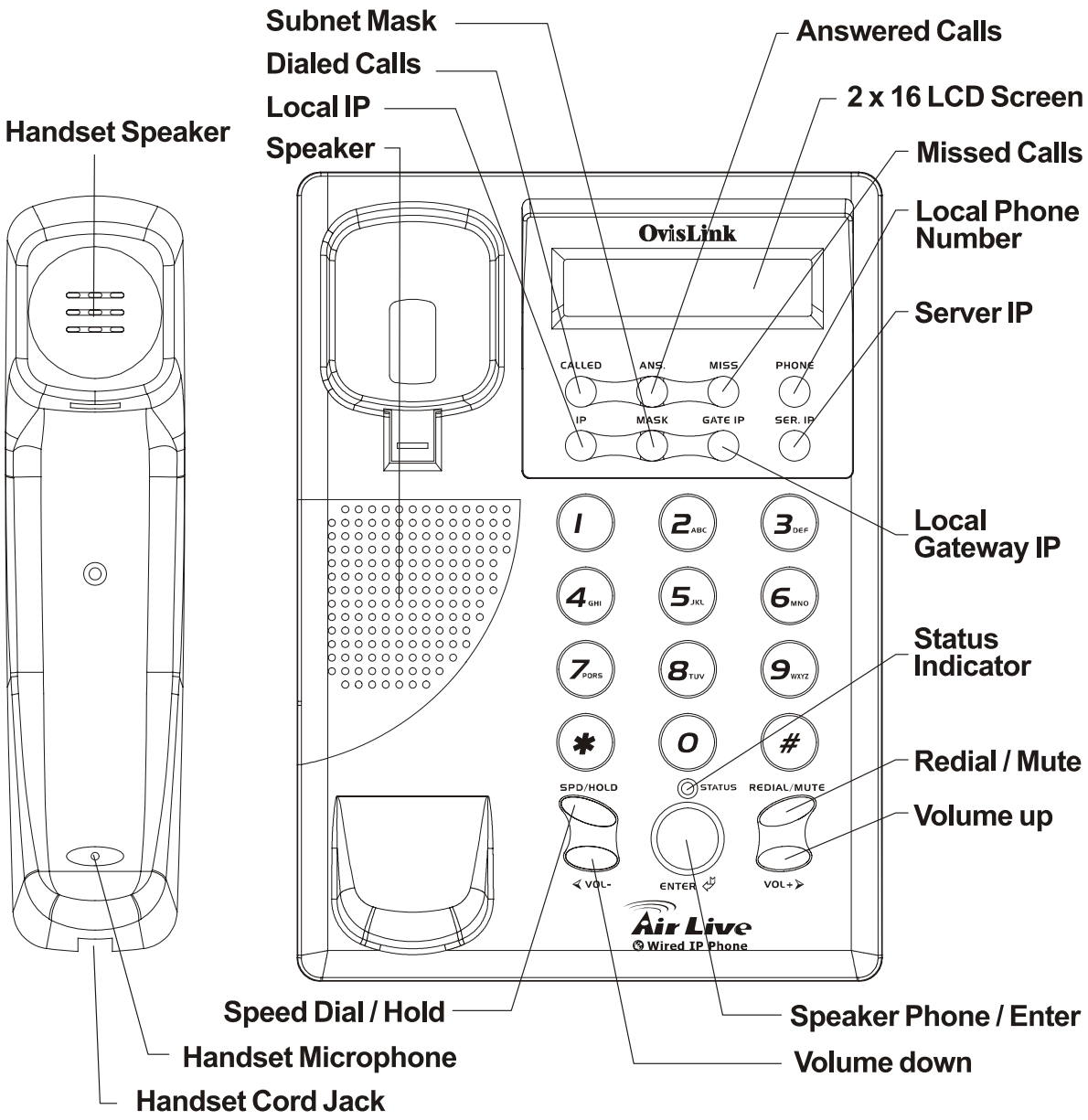
Voice	
Call Control Protocol	SIP (RFC-3261) or H.323 V4
Voice Compression	G.711 A/μ -Law, G.723.1, G.729A/B/AB
Echo Cancellation	G.165 16ms
Delay (Point to Point)	< 100ms
Average Bandwidth Requirement	10-12k bit/s
Network Protocol	RTP/RTCP, UDP/TCP
Support Silence Suppression 、VAD, CNG、Acoustic Echo Cancellation、Jitter Buffering	
DTMF tone detection	
E.164 Dial plan	
Network Interface	
Interface	10 Base-T Ethernet
Connectors Type	RJ-45 connector
Configuration Tools	Web Browser、Phone Setting、LCD Monitor
IP Address Support	PPPoE, DHCP client/Static IP
Firmware Upgrade	FTP/HTTP
Other Information	
Power	100 – 240VAC, 50 – 60Hz
	5VDC, 1A
Power Consumption	3W
Working Environment	Operating Temperature：0 - 40℃(32° - 104°F)
	Storage Temperature：-30 - 65℃(-22° - 149°F)
	Relative Humidity：10 – 95% Non-Condensing
Certification	CE, FCC
Other	Headset Connection Interface、Firmware Upgrade
	NAT Pass-through (SIP with STUN)
	Speaker phone、Hold、Mute、Redial、Speed Dial、Received Calls、Missed Calls、Dialed Calls、Call Status、Volume Adjustment、Voice Response、Web Configuration、LED indicator, etc..

Package Contents

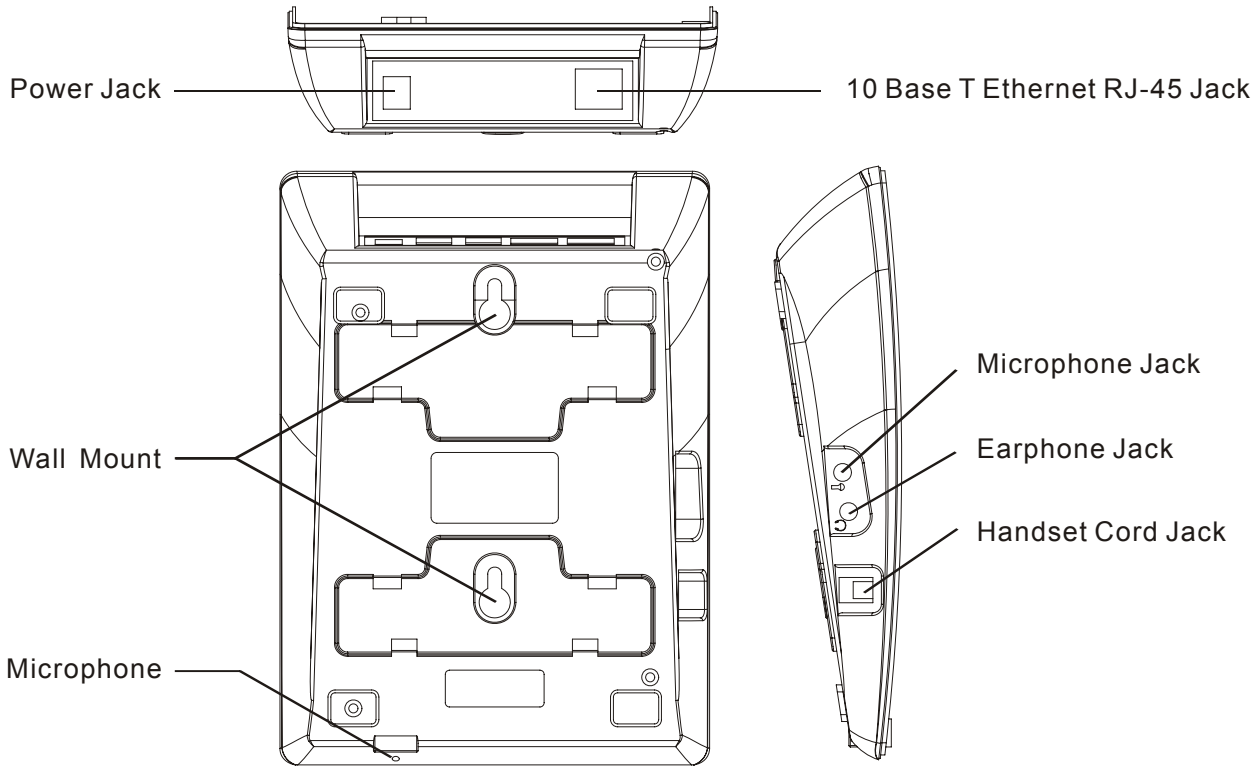
The **AirLive ePhone-1000** Series VoIP phone package contains:

- One **AirLive ePhone-1000** VoIP phone
- One power adaptor
- One RJ-45 Ethernet cable
- Quick Installation Guide
- Installation CD

Front Panel


Subnet Mask
Dialed Calls
Local IP
Speaker
Handset Speaker
Answered Calls
2 x 16 LCD Screen
Missed Calls
Local Phone Number
Server IP
Local Gateway IP
Status Indicator
Redial / Mute
Volume up
Speaker Phone / Enter
Volume down
Speed Dial / Hold
Handset Microphone
Handset Cord Jack
OvisLink
CALLED
ANS.
MISS
PHONE
IP
MASK
GATE IP
SER. IP
SPD/HOLD
STATUS
REDIAL/MUTE
VOL-
ENTER
VOL+
Air Live
Wired IP Phone

Rear and Back Panel



Function Keys

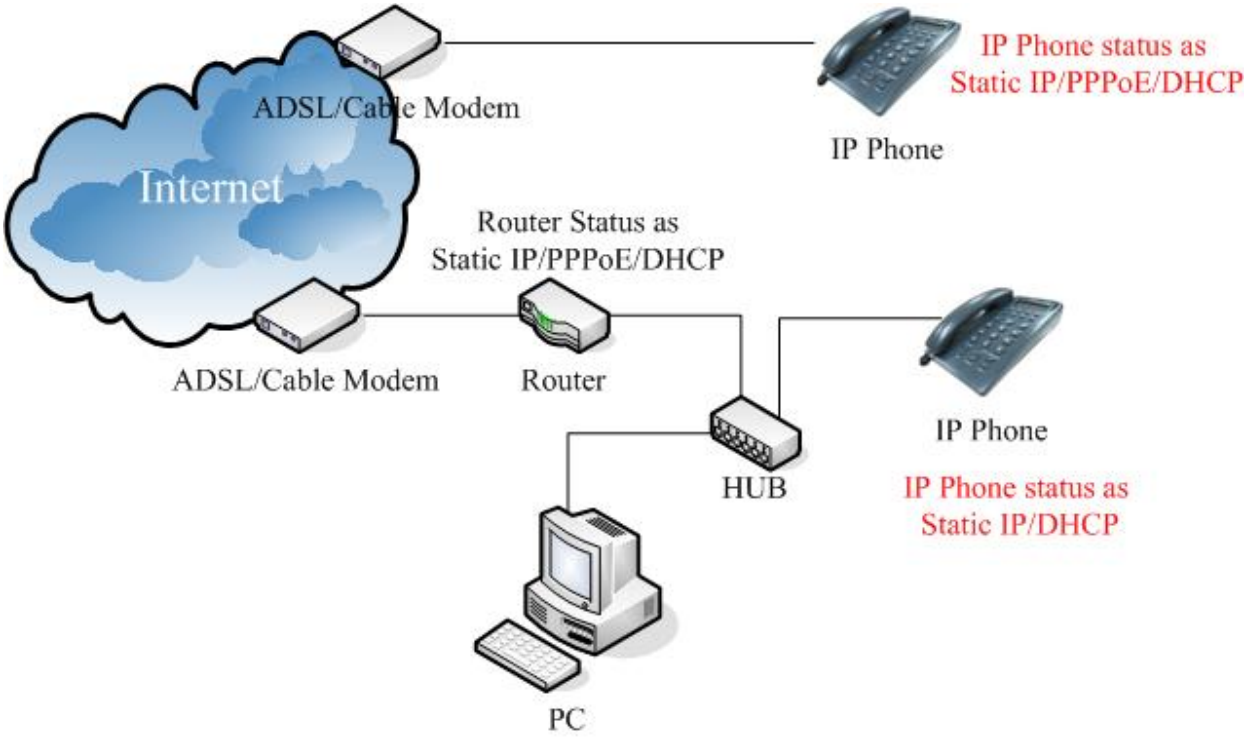
Keys	Function
These keys function with the handset hung	
Called	Press the **Called** key to display the IP address and phone number of the last call placed.
Ans.	Press the Ans. key to display the IP address and phone number of an incoming call.
Miss	Press the Miss key to get local IP address of the phone to consult the missed call number. In addition, dial # to dial this number.
Phone	Press the Phone key to get the phone number of the phone. Press again will show the data in the phone book.
IP	With handset hung, press the IP key to get local IP address of the phone.
Mask	With handset hung, press the Mask button to get the subnet mask of the AirLive ePhone-1000.
GATE IP	With handset hung, press the GATE IP button to get the gateway IP address in LAN.
SER .IP	With handset hung, press the SER. IP to get the service server IP address.
Hand Free	Press this key to turn on the speaker phone.
These keys function at all times	
SPD./HOLD	Speed Dial; Hold
REDIAL/MUTE	Redial; Mute
Vol -	Decreases the volume of the handset or speaker; turns the recording back.
Vol +	Increases the volume of the handset or speaker; turns the recording back.

Hardware Installation

Plug the power cord into the Power jack of the **AirLive ePhone-1000** VoIP Phone.

Plug the RJ-45 Ethernet cable into the Ethernet jack.

Plug the other end of other cable into the HUB, Router, ADSL Modem, or other broadband device.



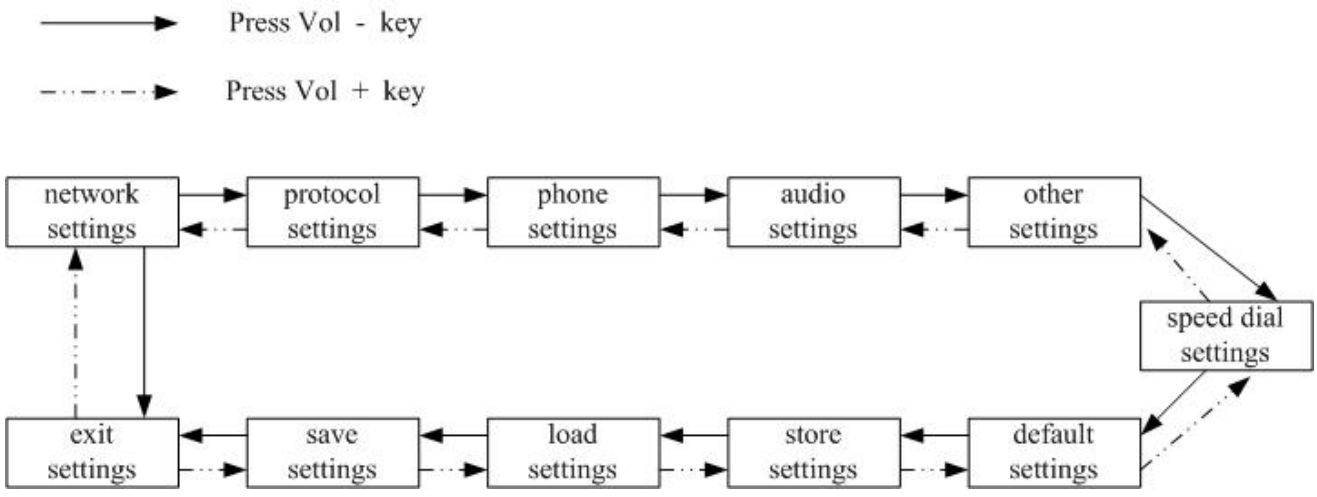
After installing the **AirLive ePhone-1000**, follow the configuration instructions in the next chapters.

Configuring the AIRLIVE EPHONE-1000 with the Keypad

AirLive ePhone-1000 can be configured with its keypad or on a web page. The table below illustrates Configuration Function keys:

Keys	Function
SPD./HOLD	Change Settings
REDIAL/MUTE	Main Menu Options
Vol -	Next Page
Vol +	Previous Page
Enter	Confirm Setting

The Main Menu of the Keypad LCD screen is shown below:



Configuring Network Settings

Network settings allow the **AirLive ePhone-1000** to connect to a specific network environment.

DHCP is the default setting for the **AirLive ePhone-1000**. This setting enables internet connections with any DHCP environment.

If either **PPPoE** or **Static IP** are used, change the default network setting of **AirLive ePhone-1000** to one of these network environments.

Using the keypad you can select **DHCP**, **Static IP** or **PPPoE** for your network environment Each of these three options is described below.

Configuring for DHCP

Connect the power adaptor of **AirLive ePhone-1000** and connect the PPPoE network to the RJ-45 port.

Press 1, 2, 3, 4, # (Hold the "#" key)

Enter a [Password]

Press 1, 2, 3, 4 and Enter → Network Settings appears.

Press Enter → enter the [iptype]

Press SPD/Hold

When the Blinking Cursor appears press 1 and press Enter (1 sets the networking settings to DHCP).

Configuring for Static IP

Connect the power adaptor to the **AirLive ePhone-1000**

Connect the PPPoE network to the RJ-45 port.

Press1, 2, 3, 4, # (Hold the "#" key) →enter a [Password]

Press 1, 2, 3, 4 and Enter→ Network Settings appears.

Press Enter→ [iptype] →

Press SPD/Hold→ a Blinking Cursor appears

Press 0 and Enter (0 sets the networking settings to Static IP).

Press Enter again→ enter the IP address [IP] →

Press SPD/Hold→ a blinking cursor appears

Enter the **IP address** (XXX*XXX*XXX*XXX) and press **Enter**.

Press **Enter** again → the **Subnet Mask** parameter appears

Press **SPD/Hold**→ when the blinking cursor appears→

Enter the **Subnet Mask** information (XXX*XXX*XXX*XXX) and then press **Enter.**

Press Enter again→ the Router option appears

Press **SPD/Hold**→the blinking cursor appears,

Enter the **Input Default Gateway** Information (XXX*XXX*XXX*XXX) and the press **Enter**.

Configuring for PPPoE

Connect the power adaptor to the **AirLive ePhone-1000**.

Connect the **PPPoE** network to the **AirLive ePhone-1000** to its RJ-45 port.

Press**1, 2, 3, 4,** # (Hold the **"#**" key) enter a [Password]

Press **1, 2, 3, 4** and **Enter**→ the **Network Settings** option appears.

Press **Enter**→ enter the **[iptype**]

Press **SPD/Hold**→ When the blinking cursor appears Press **1** and then press **Enter**(1 sets the networking settings **PPPoE**).

Press **Enter** again→Enter the [**pppid**]

Press **SPD/Hold**→ Enter the **PPPoE** Account Number and press **Enter.**

Press **Enter**→ Enter the [**pppin**]

Press SPD/Hold

Enter the **PPPoE** password and press **Enter**→

Press **Enter** again to complete the configuration

Refer to the appendix when entering special Symbols such as @, A, a, B, b, C

Protocol Settings

To Access the Audio Settings Menu

Press **1**, **2**, **3**, **4**, # (Hold the **"#"** key)

Enter a [**Password**]

Press 1, 2, 3, 4 and press Enter→ Network Settings appears

Press **Vol.-** (volume down button)→ enter the [**Protocol Setting**].

To Configure Service Settings

Press **Enter** twice in the [**protocol settings**] prompt→ the Service option appears.

- Press **SPD/Hold**, "**0**" and **Enter** to disable service.

- Press SPD/Hold, "1" and **Enter** to enable service.

To Configure the Proxy Server registrar location.

Press **Enter** multiple times in the [**protocol settings**] prompt

Enter the [service address]

Press SPD/Hold

Enter the **IP address** of the registrar proxy server (XXX*XXX*XXX*XXX) and press **Enter**.

To Enable STUN for NAT pass-through when using SIP protocol:

At the [**protocol settings**] prompt of press **Enter** multiple times→ the [**nat traversal**] prompt appears.

Press **SPD/Hold**→ press "**4**" to enable **STUN** and press **Enter**

Press **Enter** again→ [**nat addr**] appears

Press SPD/Hold

Enter the IP address of the STUN server (XXX*XXX*XXX*XXX) and press **Enter**.

To Configure the AirLive ePhone-1000 Registration Type

At the [**protocol settings**] prompt, press **Enter** once

Press **Vol. +** (the volume up button) multiple times→ **[local type]** appears

Press SPD/Hold

- Press **"0"** to input your telephone number for **E.164** to register with the server and press **Enter**.
- Press **"1"** and **Enter**. Continue with step 7 and 8.

To Configure the AirLive ePhone-1000 server account number

At the [protocol settings] prompt press enter multiple times→ [account] appears

Press **SPD/Hold**→ input server account number (**XXX**) and then press **Enter**

To Configure the AirLive ePhone-1000 server Account Password

At the [**protocol settings**] prompt press **Enter** multiple times→ **[pin**] appears

Press SPD/Hold→ Enter the Server Password and press Enter.

To Configure the AirLive ePhone-1000 Registration Port

At the [**protocol settings**] prompt press **Enter** multiple times→ [**register port**] appears

Press **SPD/Hold**→ Enter the required **PORT** number for registration (**XXXX**) and then press **Enter.**

Audio Settings

To Access the Audio Settings Menu

Press **1, 2, 3, 4,** # (Hold the **"#**" key) [**Password**]→ Press **1 2 3 4** and then press **Enter**→ **Network Settings**

Press **1, 2, 3, 4,** # (Hold the **"#**" key) → Press **Vol.+** 3 times→ [**Audio Settings**] appears.

To Configure the AirLive ePhone-1000 voice compression Codec Type:

At the [**audio settings**] prompt press **Enter** once→ [**audio type**] appears → press **SPD/Hold**

- Press **"0"** and **Enter** to set the Codec to **G.729**
- Press "**1"** and **Enter** to set the Codec to **G.7231**
- Press **"2"** and **Enter** to set the Codec to **G.711u**
- Press **"3"** and **Enter** to set the Codec to **G.711a1**
- Press **"4"** and **Enter** to set to **auto**

Set the AirLive ePhone-1000 handset and speaker phone volumes

At the [**audio settings**] prompt press **Enter** 6 times→ [**handset in]** appears,

Press **SPD/Hold**→ enter the volume level of the handset and the speaker phone (the default setting is **7** and **15** is the highest value) and press **Enter**.

Other Settings

To Access the Other Settings Menu

Press **1, 2, 3, 4,** # (Hold the **"#**" key) → [**Password]** appears

Press 1, 2, 3, 4 and press Enter→ Network Settings appears →

Press **1, 2, 3, 4,** # (Hold the "#" key) →Press **Vol.-** multiple times→ [**other settings**] appears

To Change the User Password

At the [**other settings**] prompt press **Enter** once→ enter the [**password]**

Press **SPD/Hold**→ enter a new password and press **Enter**.

To Change the Administrator Password

At the [**other settings**] prompt, press **Enter** twice→ [**super password**] appears

Press SPD/Hold

Enter the new password and press **Enter**.

Speed Dial Settings

To Access the Other Settings Menu

Press **1, 2, 3, 4,** # (Hold the **"**#" key) → **[Password]** appears

Press **1, 2, 3, 4** and then press **Enter**→ **Network Settings** appears

Press **1, 2, 3, 4,** # (Hold the **"**#" key)

Press **Vol.-** multiple times

Enter the [speed dial setting].

To set a Speed Dial number

At the speed dial settings prompt press **Enter** once→ [**memory1**] appears

Press **SPD/Hold** to select the first speed dial number and press **Enter**

Press **Enter** again→ **[number1]** appears

Press SPD/Hold

Enter the first set of telephone numbers and press **Enter**.

Repeat step 2 to store more numbers. The **AirLive ePhone-1000** can store up to 100 speed dial phone numbers.

Revert Back to Factory Default

Press **1, 2, 3, 4,** # (Hold the **"**#" key) → **[Password]** appears

Press **1, 2, 3, 4** and press **Enter**→ Network **Settings** appear

Press 1, 2, 3, 4, **#** (Hold the "**#**" key) →Press Vol.- multiple times→ [Default Settings] appears

Press **Enter**→ Are You Sure?

Select **Yes** and **[Default ok]** appears on the screen

Press Redial/Mute until [Undo Default Settings] is displayed→ [save settings] is displayed, press Enter

The phone will reboot itself.

Select **No** to choose not to revert back to factory default.

Storing Settings

When all settings have been entered to configure the **AirLive ePhone-1000** you will want to store them.

Press **1, 2, 3, 4,** # (Hold the **"**#" key) → **[Password]** appears

Press 1, 2, 3, 4 and press Enter → Network Settings appears

Press **1, 2, 3, 4,** # (Hold the **"**#" key)

Press **Vol.-** multiple times→ [**Store Settings**] appears

Press **Enter** to Store the current system settings:→ [**Store First Settings**]

Press Enter twice→ [Store Second Settings]

Press Enter multiple times→[Store Third Settings]

Press Enter multiple times→[Store Fourth Settings]

Select the appropriate settings and press **Enter** to store settings.

Editing Settings

To change or add settings you have stored you can load and review each of the parameters that have been set and edit them.

Press **1, 2, 3, 4,** # (Hold the **"**#" key) → **[Password]** appears

Press 1, 2, 3, 4 and press Enter → Network Settings appears

Press **1, 2, 3, 4,** # (Hold the **"**#" key)

Press **Vol.-** multiple times→ [**Load Settings**] appears

To edit a specific stored setting of the current configuration

Press Enter→ [Load First Settings] appears

Press **Enter** again and the last saved setting appears.

Enter a new setting and press **Enter** to return to the next setting.

Press **Enter** twice→ [**Load Second Settings**] appears

Press **Enter** again and the last saved setting appears.

Enter a new setting and press **Enter** to return to the next setting.

Press **Enter** multiple times→[**Load Third Settings**] appears

Press **Enter** again and the last saved setting appears.

Enter a new setting and press **Enter** to return to the next setting.

Press **Enter** multiple times→[**Load Fourth Settings**] appears

Press **Enter** again and the last saved setting appears.

Enter a new setting and press **Enter** to return to Main menu.

Saving Settings

When all configurations are complete and confirmed:

Press **Redial/Mute** until [**save settings]** appears on the screen→ press **Enter**→ Are You Sure?

Press **Enter** for **Yes** and the **AirLive ePhone-1000** will reboot and save the new settings.

Press **Redial/Mute** again for **No**, to not save settings and return to Keypad settings.

Exit Settings

Press **Redial/Mute** until [**Exit]** appears on the screen

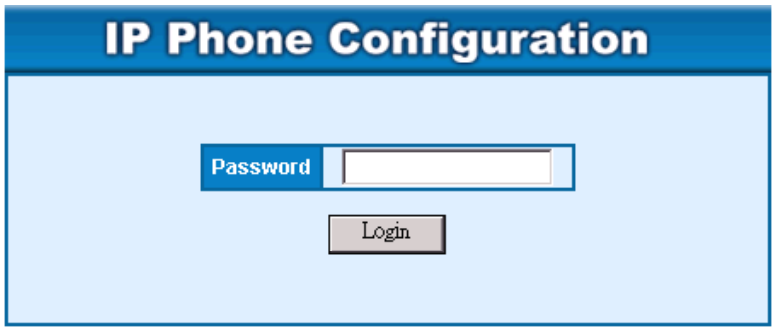
Press **Enter** for Yes, the **AirLive ePhone-1000** reboots.

WEB Configuration

As an alternate to Keypad configuration, the **AirLive ePhone-1000** series VoIP Phone can also be configured with a web browser. The **AirLive ePhone-1000** Web configuration page is accessed by entering an assigned URL, or by pressing the **"IP"** button from the VoIP Phone keypad to display the IP address.

Start a Web browser, such as Microsoft's Internet Explorer (IE) , and enter the **AirLive ePhone-1000**'s IP address on the web browser Address window.

The **AirLive ePhone-1000** login screen is displayed:



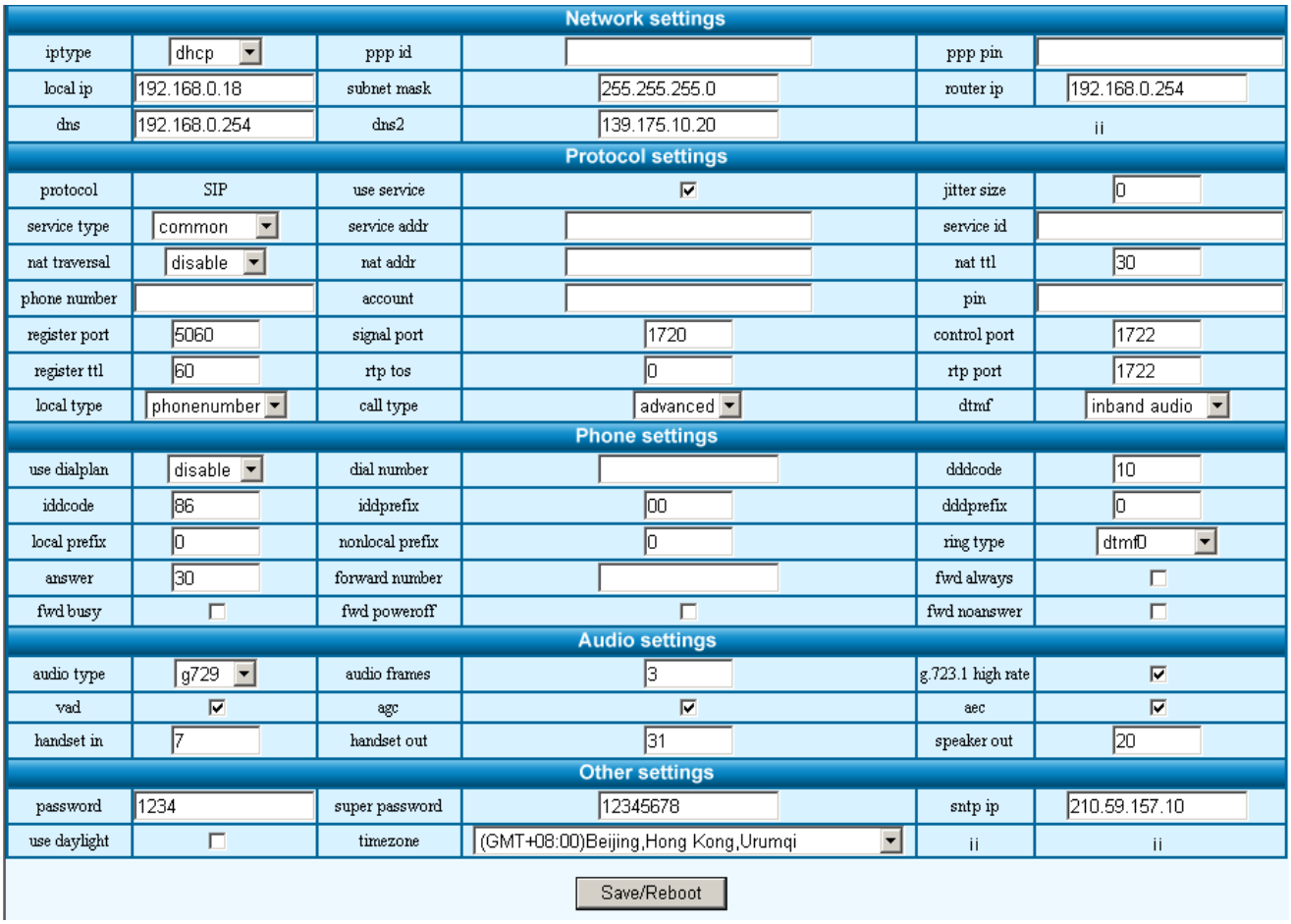
The **AirLive ePhone-1000** web configuration password comes with two categories: User password and Administrator password.

The default User Password is **1234**.

The default Administrator Password is **12345678**.

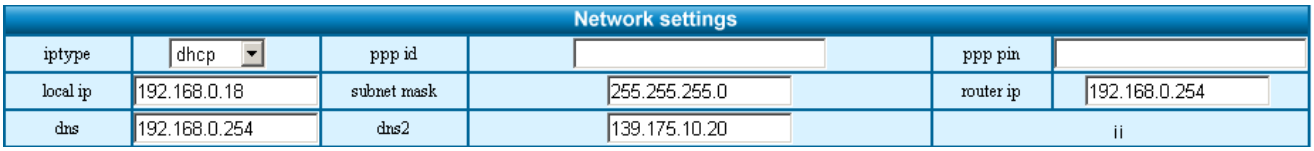
Enter one of the passwords and click the "**Login**" button.

The **AirLive ePhone-1000** web based configuration page is displayed, as shown below.



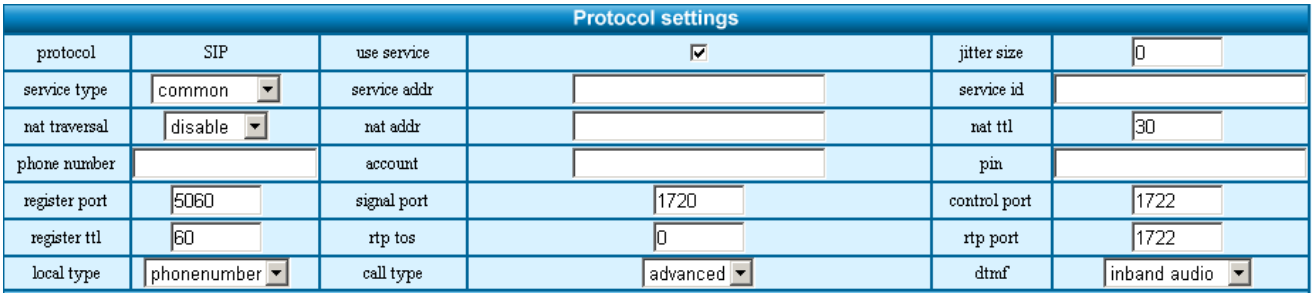
You can enter all the configuration parameters for the **AirLive ePhone-1000** on this web page. Each of the parameters and its options are described in the tables that follow. Enter all of the required parameters and select **Save/Reboot** to complete the configuration.

Network Parameters



Networking Parameter Values	
Fields	Description
iptype	Set how **AirLive ePhone-1000** gets relevant network parameters by selecting corresponding item from drop down list. static Select this option to authorize users to manually configure the IP address, subnet mask and router IP. dhcp Select this option to enable the DHCP server to automatically assign all the required network parameters to **AirLive ePhone-1000**. pppoe Select this option to enable a PPPoE connection. Enter the **ppp id** and **ppp pin** with a **PPPoE** account and Password. The ISP provider will automatically assign all the required IP parameters to A **AirLive ePhone-1000**.
ppp id	With **PPPoE** or **modem** selected in the **iptype** drop down list, enter the user name in this field.
ppp pin	With **PPPoE** or **modem** selected in the **iptype** drop down list, enter the password in this field.
local ip	With **Static** selected in the **iptype** drop down list,, enter the **IP address** of the **AirLive ePhone-1000** in this field.
subnet mask	**With Static selected in iptype** drop down list, enter the **Subnet Mask** address of the **AirLive ePhone-1000** in this field.
router ip	**With Static selected in iptype** drop down list, enter the router **IP address** of the **AirLive ePhone-1000** in this field.
Dns	**With Static selected in iptype** drop down list, enter the **IP address** of the DNS server in this field.
dns2	**With Static selected in iptype** drop down list, enter the IP address of the backup DNS server in this field.

Protocol Parameters



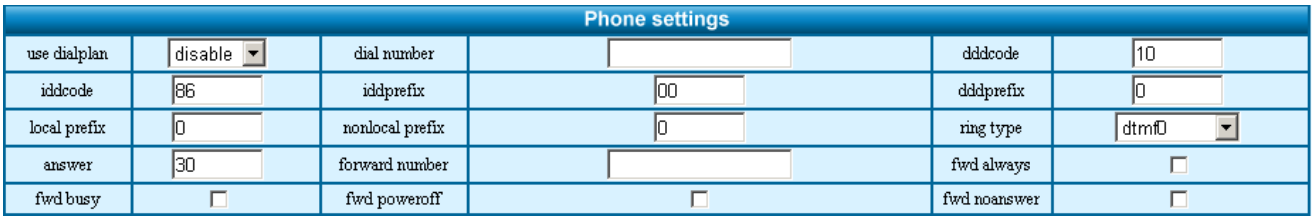
Protocol Parameter Values	
Field	Description
protocol	The **AirLive ePhone-1000** supports **H.323** and **SIP** protocols. Select one of the phone protocols from the drop down list: **H.323:** sets the phone use H.323 protocol **SIP**: sets the phone use SIP protocol
use service	**Enable/Disable** service by checking/unchecking this box. Services response to different protocols as follows: If using **SIP** protocol, check this box and enter the service address field with the SIP proxy Server IP address of domain name. If using **H.323** protocol , the protocol service refers to the Gatekeeper searching the address. To allow AIRLIVE EPHONE-1000Ss to call each other by an E.164 number: check this option and enter the **IP address** or **domain name** of corresponding Gatekeeper into the **Service Address field**. To make **point to point** calls to another voice gateway: leave this option unchecked and enter the voice gateway's **IP address** in the **Service Addr**. field. To make calls by dialing IP addresses of other **AirLive ePhone-1000** or H.323 devices (such as Netmeeting) in the same network segment, leave this option unchecked and leave the **Service Addr**. field blank. ※Note: In you are not using Gatekeeper, configure the service port as 1720. Refer to the Service Port configuration for more detailed information.
service type	The default service type is **common**. For other types, select the service type from the drop down list.

service addr	Enter the IP address or domain name of the server according to the protocol used: **H.323** protocol: If the **Use Service** option *is* checked, enter the IP address or the domain name address of the gatekeeper. If the **Use Service** option *is not* checked, enter the IP address or the domain name address of the voice gateway. **SIP** protocol: If the **Use Service** option *is* checked, enter the IP address or domain name of the SIP Proxy Server in this field.
service id	Enter a **service ID** required by the system.
nat traversal	When using a private IP to traverse the NAT, select one of the conditions from the drop down list: disable When **AirLive ePhone-1000** is using public IP, please choose disable. When **AirLive ePhone-1000** is using SIP protocol, and using the Outbound Proxy, please choose disable **enable** . If your **AirLive ePhone-1000** is using a private IP, select **enable**. This automatically checks the Public IP of the NAT router and the **nat** address will automatically activate. Without a special request, enter the nat address **0.0.0.0** in the **nat addr** field and configure the port on the NAT router accordingly. **stun** STUN helps the **SIP** traverse the NAT and locates a public IP address and the type of NAT service for the **AirLive ePhone-1000**. If this option is selected, enter the IP address of the STUN server in the **nat addr** field. When using H.323, select Citron if the service provider did not provide related information
nat addr	When **nat** traversal or **stun** is enabled, enter the IP address of the NAT Proxy. Otherwise, keep this field as **0.0.0.0**.
nat ttl	Defines the amount of time, in seconds, a NAT traversal message is sent to the NAT server. The default setting is 30 seconds.
phone number	If **H.323 or SIP** protocol are used, enter the phone number of the **AirLive ePhone-1000**.
account	If **H.323** protocol is selected , enter the **H323 ID** or **H.235 account number**. If you select a prefix in the **use dialplan** drop-down menu, enter the IS card number, and “#”.

	For example 14589653185#. If **SIP** protocol selected, enter the SIP Proxy account number.
pin	If **H323** protocol is used to logon the gatekeeper, enter the password or H.235 authentication password. If **SIP** protocol is used to logon SIP Proxy Server, enter the password into this field. If a prefix is selected in the use **dialplan** drop-down menu, enter the by ISR card password number, and **"#".** For example **3185#.**
register port	If **H.323** protocol is used, If **Gatekeeper** is used, the register port works as the gatekeeper's monitor port. The default value is 1719. If the **Gatekeeper** is used, the register port works as the end point device or the Gatekeeper's monitor port. The default value is 1720. If **SIP** protocol is used, the default setting is 5060.
signal port	If **H.323** protocol used, this port is mapped to the Q.931 port. Q.931 calls usually use **TCP** protocol. The value can be set between 1024 and 65535.
control port	If **H.323** protocol is used, the control port is the H.245 port using TCP protocol. H.245 protocol defines the call control signal and uses TCP protocol. The value can be set between 1024 and 65535. If **MGCP** or **SIP** protocol is used, there is no specific request for this port. You can enter any number. ※If many **AirLive ePhone-1000**s are active on the NAT at the same time, each **AirLive ePhone-1000** cannot be configured to the same port.
register ttl	Defines the number of seconds a register message is sent to the server. The default setting is 60.
rtp tos	Enter the TOS segment of the IP header used by **RTP digital follow**. For detailed information refer to IP protocol.
rtp port	RTP port is the port transferring and receiving voice flow using UDP protocol. Enter an even number in this field between 1024 and 65535.
local type	When **H.323** protocol is used, this parameter refers to how **AirLive ePhone-1000** logs in to Gatekeeper or the SIP Proxy server. Enter the following values. Phone number Enter a phone number that corresponds to the E.164 and H.323 ID to login to the Gatekeeper.

	Account Use account authentication to login. Enter the account name and password into the **accoun**t and **pin** fields. H.235 account With H.323 protocol used, if the Gatekeeper supports H.235 protocol, please choose this option. Please also fill up the account name and password into the account and pin fields.
call type	Select one of the three items in drop-down list: **normal**, **faststart** or **advanced. advanced** is the recommended value.
dtmf	The **DTMF** signal method of transmission. Select **control string**, **inband audio, signal keypad** or **RFC 2833** from drop-down menu. If extensions cannot be dialed, set the **dtmf** as **inband audio.**

Phone Parameters

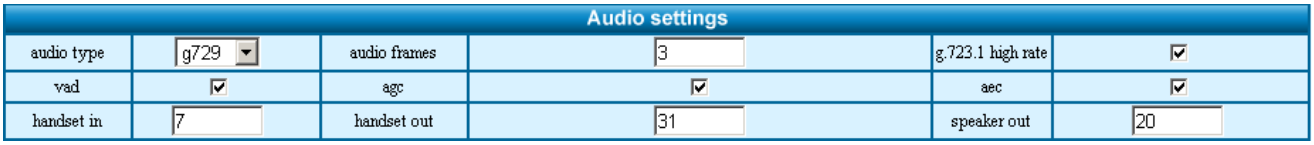


Phone Parameter Values	
Fields	Description
use dialplan	The **use dialplan** parameter sets how the **AirLive ePhone-1000** dials up., either by a **dial plan** or by a **dial number**. The options below set the dial method. **disable** Select disable to *not* use either **dial plan** or **dial number**. **enable** Enables the dialing plan. The dialing plan should combine with the Regional Code and Area Code. Follow the E.164 rules to setup the country code, area code and long distance code. **dialnum** Enables a dial number. If this option is selected, enter the dial prefix into **the dial number** field. RTP port: Enter an even number from 1024 to 65535 to designate the RTP port of H.323 protocol. prefix hotline Enables hotline feature. The phone will automatically dial to the destination number typed in this blank space when press Enter (Speaker Phone).
dial number	If **dialnum** is selected, enter the **dial prefix** into this field. This must correspond to log in server requirements.
dddcode	If **enable** or **dialnum** is selected , enter an area code meeting E.164 dial rules. For example, LA 626.
iddcode	If **enable** or **dialnum** is selected, enter a country code meeting E.164 dial rules. For example, Taiwan 886; U.S.A .1.
iddprefix	If **enable** or **dialnum** is selected, enter an international call prefix according to E.164 dial rules, For example 00.

dddprefix	If **enable** or **dialnum** is selected, enter a long distance call prefix according to E.164 dial rules. For example 00.
innerline	Enable/disable multi-settings by selecting **disable or enable** from the dropdown list. 000 You can save a maximum of 5 settings. **disable**: disables multi-settings, the phone will call out using the current setting. **enable:** the designated system places calls **switch:** enables multi-settings. Enter the prefix switching to backup setting 1 and backup setting2 in the **local prefix** and **nonlocal prefix** fields.
local prefix	If **enable** or **switch** is selected in **innerline** dropdown list, enter the number switching to a backup setting 1, such as 56.
nonlocal prefix	If **enable** or **switch** is selected in **innerline** dropdown list, enter the number switching to a backup setting 2, such as 57.
answer	The number of seconds before the phone switches to call auto call forward. Enter a number from 0 to 60. To disable the auto answer function, please set this parameter to 0.
ring type	Set a **ring type** from the drop-down menu. **dtmf 0-9:** Set the ring as ordinary rings in different frequencies. **not disturb**: Sets the phone to no ring. **pcmring**: Sets the ring to music. **user define**: Sets to music saved by user
use digitmap	Enables/Disables **digitmap.**
forward number	Enter a phone number to forward calls to in this field.
fwd poweroff	Check this box to forward all calls if the power is off. Enter the forwarding phone number in the **forward number** field.
fwd noanswer	Check this box to forward all calls without replying. Enter the forwarding phone number in the **forward number** field.
fwd always	Check this box to forward all calls. Enter the forwarding phone number in the **forward number** field..
fwd busy	Check this box to forward all calls if busy. Enter the forwarding phone number in the **forward number** field.

Audio Parameter Values	
Fields	Description
audio type	Select the **audio type** of the phone by selecting an option from the drop down list. The options are **g.711u, g.711a, g.723.1, g.729, g.729a, g.729b** and **auto**.
audio frames	Sets the audio frames in the RTP package. If the G723 audio codec used, set it as 1; If the G729 audio code is used, set it as 2.
g.723 high rate	If **g.723.1** selected in audio type, **enable/disable** g.723.1 high rate (6.3K) by checking / unchecking this option.
vad	Enable/disable **VAD (**voice activity detection) by checking / unchecking this box.
agc	Enable/disable **AGC** by checking/unchecking this box.
aec	Enable/disable **VEC** by checking/unchecking this box.
handset in	Drag the slider to adjust the volume of **handset input**. Drag it to the left to reduce the volume; drag it to the right to increase the volume. The range is 1 to 15.
handset out	Drag the slider to adjust the volume of **handset output**. Drag it to the left to reduce the volume; drag it to the right to increase the volume. The range is 1 to 26.

Audio Parameters

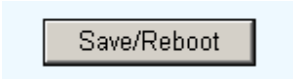


audio frames	Sets the audio frames in the RTP package. If the G723 audio codec used, set it as 1; If the G729 audio code is used, set it as 2.
g.723 high rate	If **g.723.1** selected in audio type, **enable/disable** g.723.1 high rate (6.3K) by checking / unchecking this option.
vad	Enable/disable **VAD (**voice activity detection) by checking / unchecking this box.
agc	Enable/disable **AGC** by checking/unchecking this box.
aec	Enable/disable **VEC** by checking/unchecking this box.
handset in	Drag the slider to adjust the volume of **handset input**. Drag it to the left to reduce the volume; drag it to the right to increase the volume. The range is 1 to 15.
handset out	Drag the slider to adjust the volume of **handset output**. Drag it to the left to reduce the volume; drag it to the right to increase the volume. The range is 1 to 26.

Other Parameters

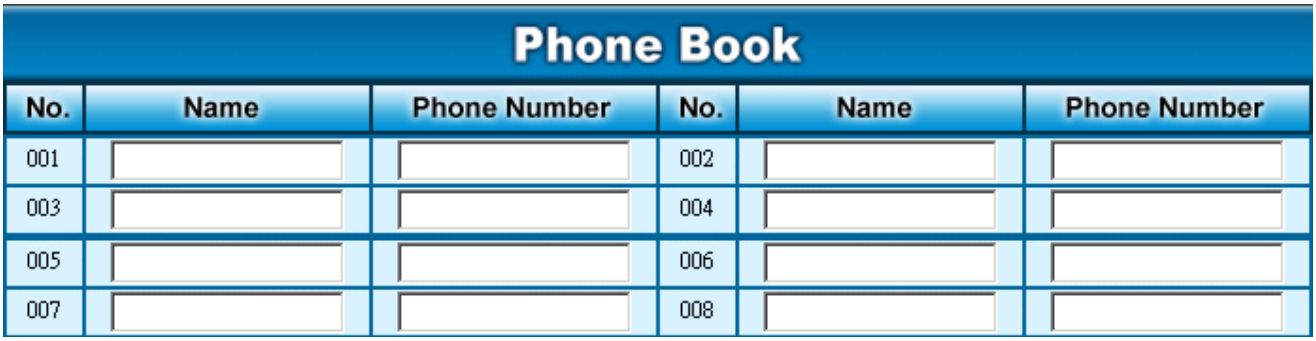
Other Parameter Values	
Field	Description
Password	Sets the user's password. Maximum 16 digits long.
Super password	Set the administrator's password. Maximum 16 digits long
debug	Sets the debug level of the phone. **Disable**: Disables bug messages **Output**: Sends operation information, such as register input. to the phone window, **Output all**: Sends all bug information and data to a test window **Remote debug**: Saves bug information in SDRAM of **AirLive ePhone-1000**. **No check**: Disables checks.
sntp ip	IP address of the time server here.
use daylight	Enables/Disables daylight savings time by checking /unchecking this option.
upgrade addr	Enter the IP address or domain name for the IPS of the FTP server that sends updated program information here.

Save/Reboot Parameters

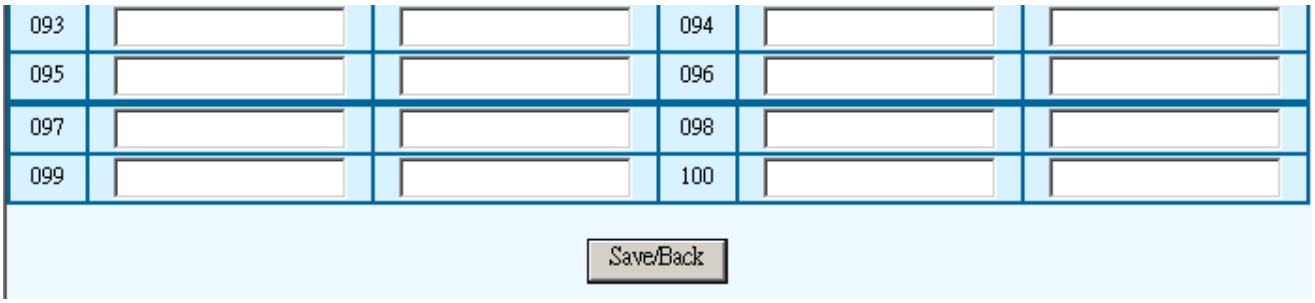


After you enter all the configuration values, press **Save/Reboot.** **AirLive ePhone-1000** will save the settings and reboot. If the webpage returns to the login page, login and configure again. Phone Book

Click on **Phone Book** to access the **AirLive ePhone-1000** phone book page.



You may create a phone book entry by input the necessary information in their corresponding spaces. Click on **Save/Back** to save your entries. The Speed dial function will then be activated after you have saved an entry.

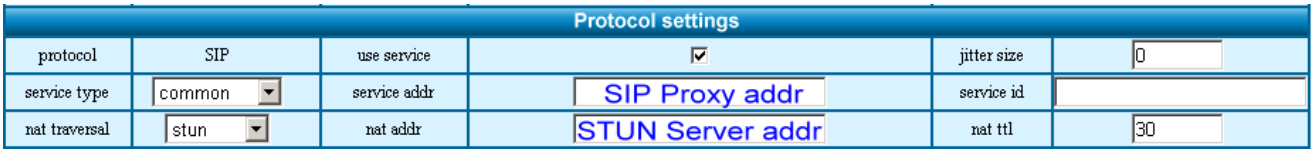


※When operating H.323 Protocol, you may enter the IP address instead of a phone number to create an entry when there is no gatekeeper or a voice gateway. Please use "*" instead of "." when inputting an IP address. For example 192.168.1.21 should be entered as 192*168*1*21.

Nat Traversal Function

AirLive ePhone-1000 Supports Nat Traversal Functions。

STUN

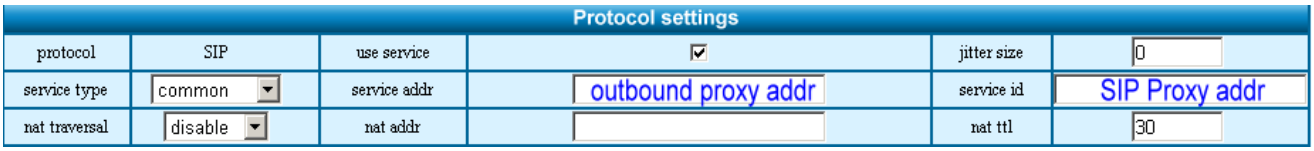


server address：Enter SIP Server IP address or Domain

nat traversal：Select STUN

nat addr：Enter STUN server IP address or Domain

OutBound Proxy



server address：Enter outbound proxy IP or Domain. Fill-in the port number is the UDP port is not 5060.

service id：Enter SIP proxy IP or Domain

nat traversal：Select disable

Registration Message

When the registration for **AirLive ePhone-1000** is successful, **Ready for Call** will appear on the screen. If the registration is not successful **hand Log fail** or **Wait Log** will appear.

To make a phone call

When dialing a call with the **AirLive ePhone-1000**, press **"#**" after the phone number.

Review call record

Press the "**Miss"** button to review any missed calls. Press "**#"** to return a missed call. Press **Vol.+** to view the next entry and Press **Vol.-** to view the previous entry.

Press the "**Ans"** button on to review any received calls. Press "#" to return a received call. Press **Vol.+** to view the next entry and Press **Vol.-** to view the previous entry.

Press the "**Called**" button on to review any dialed calls. Press **"#"** to redial a dialed call. Press **Vol. +** to view the next entry and Press **Vol.-** to view the previous entry.

AirLive ePhone-1000 can store a total of 80 Missed, Received and Dialed call entries. When entries exceed its number, the **AirLive ePhone-1000** deletes the oldest entry automatically. Records will be lost during power outage and reboot.

Speed Dial

The Speed Dial feature can only used when entries are stored in the Speed Dial Settings or in the phone book on web configuration.

Operating Instructions

Press the entry number and press **SPD/Hold** to use the speed dial function.

Mute

Press the “**Redial/Mute”** button during a conversation to mute the microphone.

Hold

Press “**SPD/Hold**” button during a conversation to hold a call.

Appendix

This table illustrates the conversion of numbers and symbols with the Keypad Keys

Number key	Press once	Press twice	Press 3 times	Press 4 times	Press 5 times
1	1	.	,	?	/ / !
2	2	A/a	B/b	C/c	【
3	3	D/d	E/e	F/ f	】
4	4	G/g	H/h	I/i	*
5	5	J/j	K/k	L/l	
6	6	M/m	N/n	O/o	#
7	7	P/p	Q/q	R/r	S/s
8	8	T/t	U/u	V/v	
9	9	W/w	X/x	Y/y	Z/z
*	.				
#	0	Space	: / @	; / —	' / &
	Switch to upper/lower case				

H.323 sample web setting

When the **AirLive ePhone-1000** is operating using H.323 protocol, please change the below parameters. Other settings remain the same.

（Contact your service provider for detail information）

Protocol settings					
protocol	SIP	use service	☑	jitter size	0
service type	common	service addr		service id	
nat traversal	citron	nat addr		nat ttl	30
phone number		account		pin	********
register port	1719	signal port	1720	control port	1722
register ttl	60	rtp tos	0	rtp port	1722
local type	account	call type	advanced	dtmf	inband audio

use service：Please check the box

service type：Select common unless specified.

service addr：

nat tracersal：Select citron unless specified

phone number：Enter the phone number provided by the service provider

account：Enter your account number provided by the service provider（H.323 ID）

pin：Enter pin number provided by the service provider

Register port：1719 unless specified.

Signal port：1720 unless specified

Control port：1722 unless specified

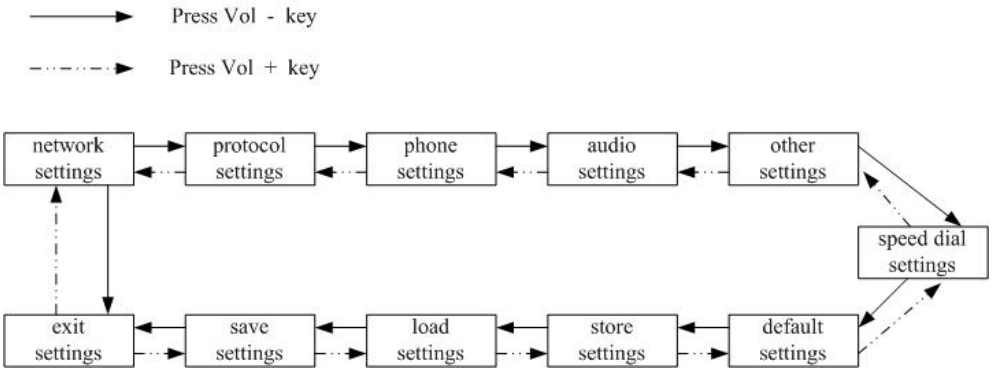
Rtp port：1722 unless specified

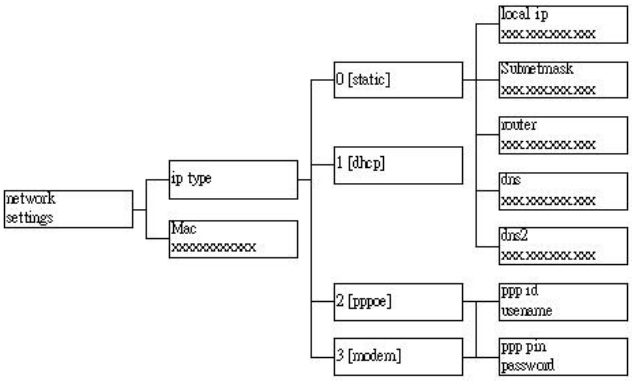
Local type： account is the usual selection. Please select based upon the parameter provided by your service provider

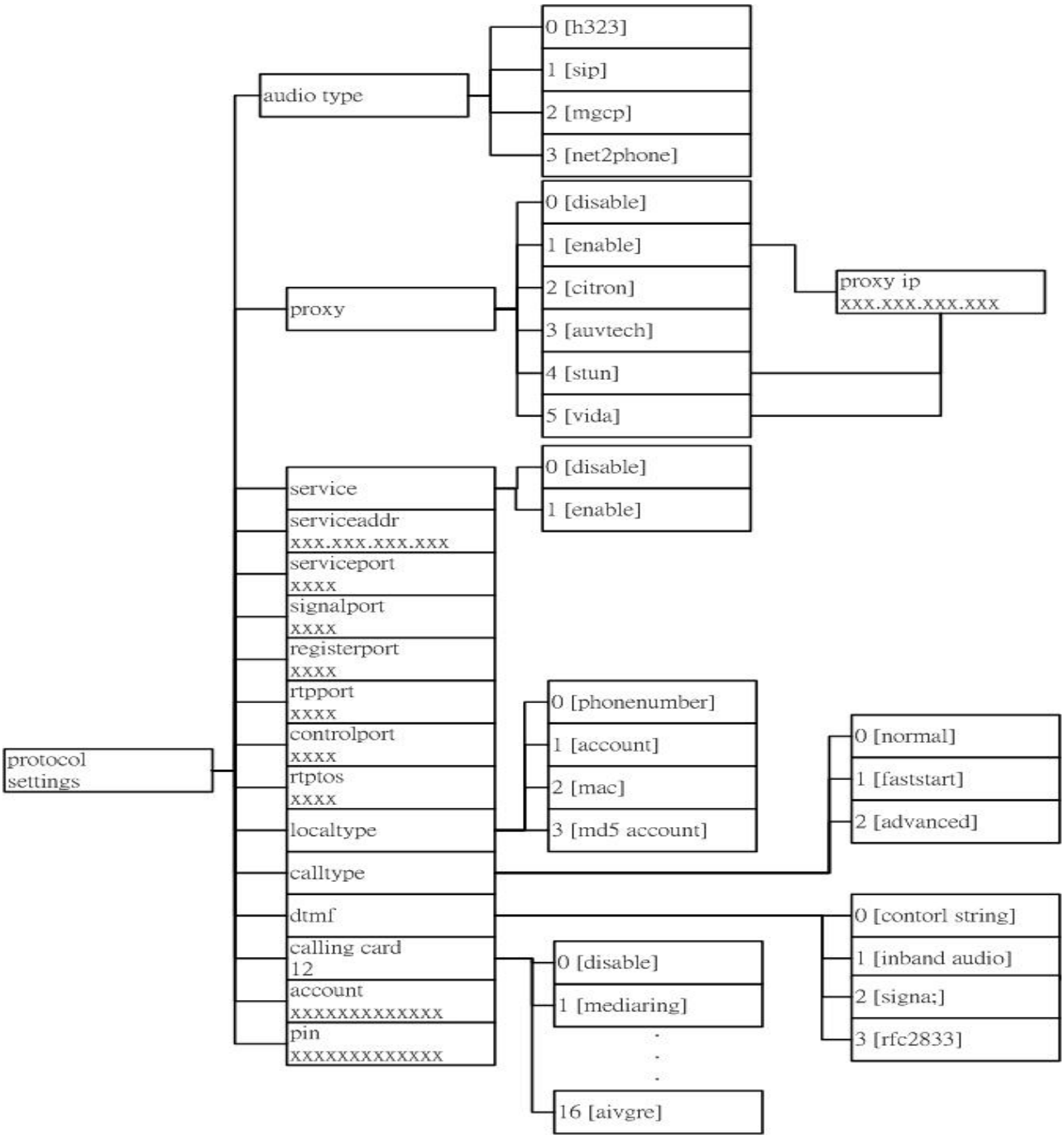
Frequently Asked Questions

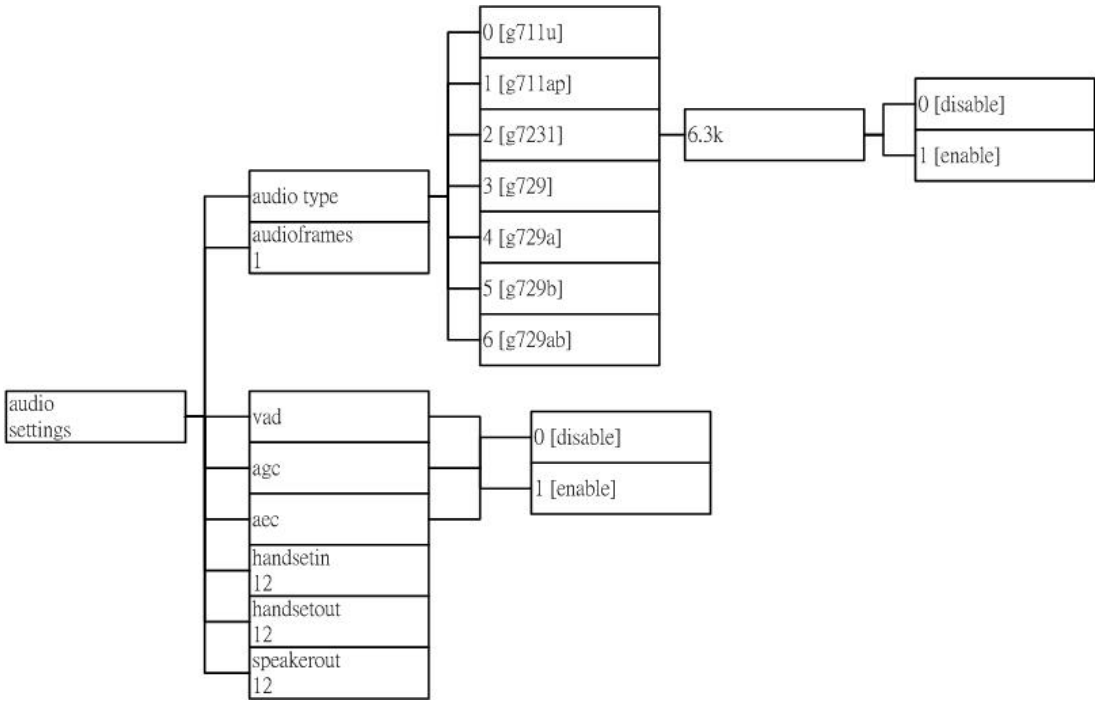
Question	Solution
LCD Error	Unplug the power supply, wait 5 seconds and then plug the power supply back.
LCD shows Wait Logon or Logon Failed	Check if the RJ-45 cable is connected properly and also confirm to see if the **AirLive ePhone-1000** has successfully obtained an IP address. If an IP address is not obtained check to see if there are errors for network and account settings. Contact your service provider to check account setting.
LCD shows Ready for Call, but unable to dial	Call your service provider to check account settings.
Loud echo during conversation	Press **Vol.-** to decrease handset volume until there is no echo.
Static	Check all cables to see if they are connected properly.
Revert to factory default setting	1. Press "1234*".When "Booting…." Appear on the LED,release the "*" button. 2. When **"Page0 running"** appears on the LED, release the **"*"** button and then press **"#5*5".** The **AirLive ePhone-1000** reboots.

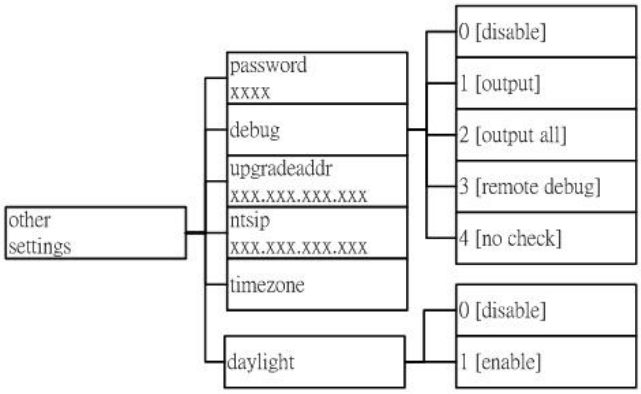
The **AirLive ePhone-1000** Phone Tree Type Menu （administration）






protocol settings
audio type
0 [h323]
1 [sip]
2 [mgcp]
3 [net2phone]
proxy
0 [disable]
1 [enable]
2 [citron]
3 [auvtech]
4 [stun]
5 [vida]
proxy ip
xxx.xxx.xxx.xxx
service
0 [disable]
1 [enable]
serviceaddr
xxx.xxx.xxx.xxx
serviceport
xxxx
signalport
xxxx
registerport
xxxx
rtpport
xxxx
controlport
xxxx
rtptos
xxxx
localtype
0 [phonenumber]
1 [account]
2 [mac]
3 [md5 account]
calltype
0 [normal]
1 [faststart]
2 [advanced]
dtmf
0 [contorl string]
1 [inband audio]
2 [signa;]
3 [rfc2833]
calling card
12
0 [disable]
1 [mediaring]
.
.
.
16 [aivgre]
account
xxxxxxxxxxxxx
pin
xxxxxxxxxxxxx


audio settings
audio type
audioframes 1
vad
agc
aec
handsetin 12
handsetout 12
speakerout 12
0 [g711u]
1 [g711ap]
2 [g7231]
3 [g729]
4 [g729a]
5 [g729b]
6 [g729ab]
6.3k
0 [disable]
1 [enable]
0 [disable]
1 [enable]


other settings
password xxxx
debug
upgradeaddr xxx.xxx.xxx.xxx
ntsip xxx.xxx.xxx.xxx
timezone
daylight
0 [disable]
1 [output]
2 [output all]
3 [remote debug]
4 [no check]
0 [disable]
1 [enable]