

# DPH-850S

Android IP Video Phone

Ver:1.00

## User Manual



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# 1 Introduction







## 1.1 Android IP Video Phone DPH-850S Overview

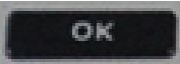
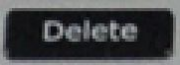
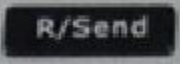









Item	Description
<b>DPH-850S Phone</b>	DPH-850S IP Video Phone with display and keypad.
<b>Power Adapter</b>	Power supply for telephone.
<b>Network Cable</b>	Used to access network for the phone.
<b>Handset</b>	Make phone calls with the phone's basic functions.
<b>Handset Cord</b>	Connected with the handset and the phone.
<b>Quick Installation Guide</b>	Quick install the DPH-850S guide.
<b>CD</b>	Containing manual and quick installation guide.
<b>Warranty Information</b>	<b>Safety</b> Warranty Safety Information for DPH-850S.

## 1.2 Phone component descriptions



Key	Function
	Search key. Tap the key and you can enter the search interface.
	Menu key. You can browse and accomplish all functions of the phone through pressing this key.
	Return key. Press this button in the detailed interface, it will return to the previous interface; If it is pressed in the application program interface, the current program will be closed.
	Home key. Press this key, the phone will return to the idle screen.
	Volume control key. Turn down or turn up all kinds of volume by pressing these two keys.
	Mute key. In the call mode, press this key in calling mode, you can hear the other side, and the other side cannot hear you; press this button again to leave this mode.

	When the phone call is ringing, press this button to turn off the ring tips.
	Confirm key.
	Delete key.
	R/Send key. Use the key to dial the last call number. It also could be used to make a phone call by sending a phone number.
	Navigation key.
	Menu key.
	Phone book. Tap to enter the contacts interface.
	Call log. Tap to see call log.
	Headset key.
	Digital keyboard.
	The hands-free key.

### 1.3 The Installation of backplane




- **Set the telephone**



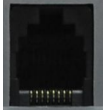


The back plate is horizontally placed in the telephone at the bottom, and makes the phone and joint part of the two screws tightened, right now its steady placed on the desktop.

### 1.4 Interface introduction






	<b>Name</b>	<b>Meaning</b>
 (Left first)	SD Card interface	Connect SD Card for saving data.




 (Left second)	DC Power Interface	Input: 220V AC Output: 12V DC
 (Left third)	LAN Network interface	Specification RJ45, connect it computer.
 (Right third)	WAN Internet interface	Specification RJ45, connect it to network.
 (Right second)	PSTN Normal phone interface	Specification RJ11, connect the general public telephone network. (Option)
 (Right first)	Handset interface	Specification RJ9, used to connect the handset to the phone.




	Name	Meaning
 (Left first)	USB interface.	Connect it to USB disk.
 (Center)	Handset interface.	Connect the handset.
 (Right first)	HDMI interface.	Interface for high-definition audio and video. A-A interface, A to A interface.

- **Note:**

1. Put the handset line into the handset interface according to the interface illustration picture.
2. Install the backplane to the bottom of the phone with the above method.
3. Plug the power adapter into the DC port; poke the other side of the power adapter into an electric socket.
4. Insert one end of RJ45 network cable into the phone's WAN port (Please refer to the interface illustration picture 1) and put the other end into the network equipment. After that, if the network connection status on the status

bar is displayed as  , actions such as making some telephone calls and surfing the internet could be done. If the network connection status on the

status bar is displayed as  , please verify whether the network was configured correctly and the network cable was plugged in correctly.

## 1.5 Touch Screen Description

You can touch the screen manually to complete the corresponding operation. Here are three ways to use:

**Click: Any icon or button can be clicked to realize its function.**



**Long press:**

- Long press the idle desktop. After that, an option box could be popped up, and then you can do more according to the prompt.
- Long press one list such as a list of contact list. After that, another option box could be popped up, and then you can do more about this list according to the prompt.

**Figure:**



**Slide:**

Slide your hand on the screen upward or downward slowly to move the interface on the screen.

On some kinds of screen such as idle desktop, you can switch the desktop just by moving your fingers on the screen to left or right. Dragging your finger to slide will not select or activate anything on the screen.

You can just wait or gently press any place of the screen to stop the sliding after your fingertips rapidly sliding on the screen. Gently pressing or touching to stop the scrolling will not select or activate anything on the screen.

## 1.6 Update of the phone

Please contact with service provider to get the new version to upgrade.

**Auto provision:** Keep phone registered successfully and configure parameters about automatic updates such as server address, upgrade file name, time interval and so on. And then the phone will check for updates from the server at a fixed time intervals and upgrade itself. See the specific automatically upgrade instructions, please switch to [Update](#).

**Manual upgrade:** USB update.

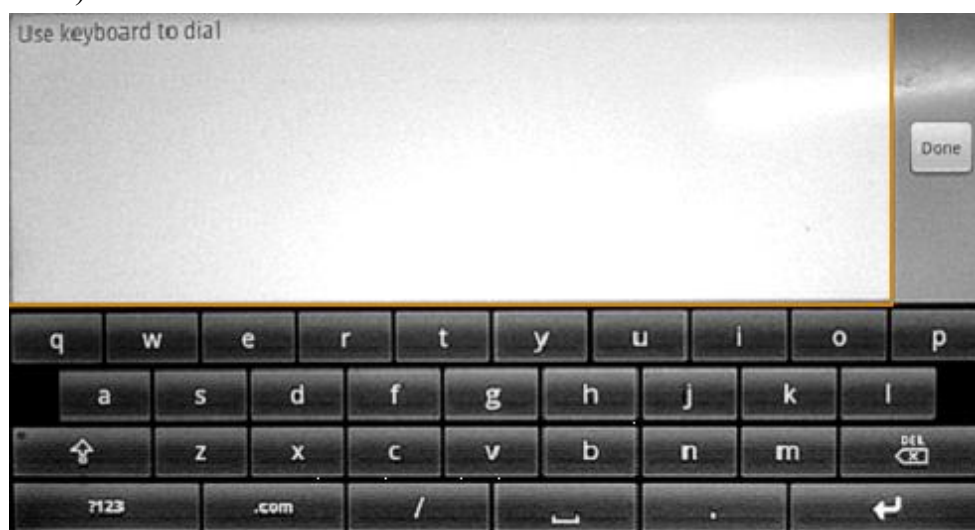
**USB update.** It has two update methods:

1. Create a directory named "impinstall" in the USB disk, and copy the update file to this directory, and then insert the USB into the phone. The phone will automatically compare the update image, if the image name is different from the phone has, it will automatically update. (Upgrade where needs to be updated)
2. Create a directory named "implinux" in the USB disk, and copy the update file to this directory, and then insert the USB into the phone. The phone will automatically compare the update version number and the image in the U disc and telephone after rebooting. If the version and image are different from the phone has, then it will automatically update. (Upgrade all system)

## 2 Basic Function

### 2.1 Screen Keyboard



If you need to input, click on the input box. A screen keyboard will automatically be displayed. (Every input method has its own unique screen keyboard).For instance:



Press the return key to close the screen keyboard after finishing the input.












#### Input Text:




1. Tap the text field.
2. Tap the screen keys on the keyboard.

<b>Type in capital letters</b>	Shift key, tapping shift key can switch the uppercase and lowercase.
<b>Delete character</b>	Delete character, tap  key to delete a character, if you want to delete many characters, tap this icon for a long time.
<b>Type in digital, punctuation and symbols</b>	Tap  key to switch to digital, punctuation and symbols input interface.
<b>Space</b>	Space symbol.
<b>Enter</b>	Enter symbol, tap this key to switch to next line.

### 2.2 Status Bar

All of the status information about Android IP Video Phone DPH-850S is displayed on the top of the screen. You can click on the notification icon in the left of the status bar or drag down the drop-down list with your fingers to enter the notification panel to further review and deal with all of the information.

<b>Status bar</b>		
	<b>Name</b>	<b>Meaning</b>
	<b>Network status (successful)</b>	Displays that the network connection is successful. Tap the icon directly into the network settings.
	<b>Network status (failed)</b>	Shows no network connection. You need to check the network is properly connected and the parameters are configured correctly.
	<b>USB</b>	Displays that the phone successfully identifies the USB device. Tap the icon directly to switch into the USB application wizard.
	<b>Missed calls</b>	Shows that there are several missed calls. You can click on the icon directly to switch into the call log.
	<b>Headset mode</b>	Indicates that the call is in the headset mode.
	<b>Silent mode</b>	Shows that the phone is in silent mode. This mode can be canceled by directly clicking the mute button when the screen is in the idle interface.
	<b>Hands-free mode</b>	Indicates that the call is in hands-free mode.
	<b>Handset mode</b>	Shows that the call is in handset mode.
	<b>Open the DND</b>	Shows that the phone is on Do Not Disturb mode. Any of the call could be directly rejected before its ring interface appears. There is only a missed call icon leaving in the status bar.
	<b>Call forward</b>	Shows that the call forward function is opened.
	<b>Auto answer</b>	Shows that the auto answer function is opened.

	<b>Call firewall</b>	If a phone number is added to the firewall, then open the firewall function, all calls about this phone number could be rejected directly.
	<b>Alarm clock</b>	If you set an alarm clock, the alarm clock icon will display on the status bar.
	<b>New record</b>	Indicates that there are several new unread phone recordings.

## 2.3 Main Screen

Android IP Video Phone DPH-850S will go directly to the main screen after rebooting.

The main screen contains three idle interfaces. Each one can display some programs shortcuts. You can switch the desktop just by moving your fingers on the screen to left or right.

### Default Screen:



**The idle interface**

The icon at the upper left of the idle interface is the phone status icon. It can display some state including network connection status and the registration status of each line in time.

Click the "Application" icon, and then it will jump to the following interface.

You can slide your fingers on this interface to glance over all of the applications. You can click on some program icons to open the corresponding application program.



**The application program interface**










If you want to delete application shortcuts on the idle interface, you can long press the shortcut, and then put it into the dustbin at the bottom of the interface.










(**Note:** Let it go just as the icon and the dustbin turned red as is shown at the following picture.)










## 2.4 The Application of DPH-850S's Function:

 <b>Phone</b>	<p>Click this icon, and it will switch to pre-dial interface. You can make some phone calls through the screen or keyboard.</p>
 <b>Email</b>	<p>Has the function of sending and receiving e-mail. When an account has been configured successfully, you can send and receive your e-mail on the phone and this account will automatically sync the contacts to the mailbox account.</p>
 <b>Settings</b>	<p>It contains System, Network, Account, Call, Display and so on. You can configure some settings.</p>
 <b>Calculator</b>	<p>Work with simple calculation operations such as add, subtract, multiply, divide and some advanced operations.</p>
 <b>Note pad</b>	<p>Record a number of important events or you can record information such as phone number when press the "Note pad" during a call.</p>
 <b>Memory Key</b>	<p>Make a rapid call through your contacts in the memory key.</p>
 <b>Contacts</b>	<p>Support functions such as search, add, remove and edit.</p>
 <b>Browser</b>	<p>Surf the internet through this browser as convenient as a computer.</p>
 <b>Recorder</b>	<p>Provide call recording and the ordinary recording.</p>

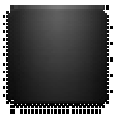
 <p><b>Alarm Clock</b></p>	<p>Set the time and the alarm will remind you at the appointed time.</p>
 <p><b>Android settings</b></p>	<p>It contains the Call settings, Basic settings ,Advanced settings, VOIP and so on, you can configure some settings in the corresponding menu.(Android system settings)</p>
 <p><b>Gallery</b></p>	<p>View photos stored on the phone, or through the USB storage device storing photos or videos, you can enter the photo gallery for dynamic playing.</p>
 <p><b>File Manager</b></p>	<p>Easily manage the files.</p>
 <p><b>Camera</b></p>	<p>Take High-definition pictures and make other operations through the camera.</p>
 <p><b>Message</b></p>	<p>Like the mobile phone, with messages to write, read and send function.</p>
 <p><b>Music</b></p>	<p>Music player. It can play music in various formats.</p>
 <p><b>MWI</b></p>	<p>All calls will be transferred into voice mail when the MWI is enabled.</p>
 <p><b>Screen</b></p>	<p>Calibrate the screen to ensure the accuracy of the screen.</p>






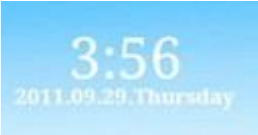



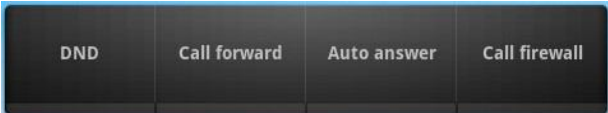

<b>Calibration</b>	
 <b>Calendar</b>	Enter into the calendar and you can view the accurate date.
 <b>Call logs</b>	Enter the call logs and you can view all call records. You can also view the "Incoming Calls", "Outgoing Calls" and "Missed Calls" records by pressing the menu key.
 <b>Ping Box</b>	Ping box is the system's built-in toolbox of network testing tool; You can use it to check whether the network is unobstructed.
 <b>Reboot</b>	Reboot the system more quickly.
 <b>ScreenOff</b>	Shut down the screen.






## 2.5 Desktop Widgets

### Operation steps:



Long press the idle screen and the list named "Add to Home Screen" will appear. Tap the "Widgets" and then choose the widgets you want to display on the desktop. It is easy to quick operate which saves the time and look beautiful.




 <b>Power indicator :</b>	<p>It can control the power light to turn on or turn off. If the power light is turned off, like the first picture. As this time whether making calls or doing other operations, power light is often destroyed.</p> <p>If power light is turned on, like the second picture. As this time when the telephone is called or it has missed calls, the power light will twinkle; when the telephone is calling or in the idle</p>
---	--

	<p>status, the power light have been always light; when the telephone has one call, then another call is ringing, the power light will twinkle.</p> <p style="text-align: center;">   </p> <p style="text-align: center;"><b>Idle screen display:</b></p> <p style="text-align: center;"><b>Light off      Light up</b></p>						
<p style="text-align: center;">   <b>Analog clock:</b> </p>	<p>Analog clock which looks like a watch can be displayed on any space of the idle screen; It is convenient for you to check the time.</p> <p style="text-align: center;">   <b>Idle screen display:</b> </p>						
<p style="text-align: center;">   <b>Digital clock:</b> </p>	<p>Digital clock is displayed with white fonts and time or date could be seen directly. You can move it to any space.</p> <p style="text-align: center;">   <b>Idle screen display:</b> </p>						
<p style="text-align: center;">   <b>Search:</b> </p>	<p>The default search bar is the Google's Quick Search Box; You can enter any content you want to search.</p> <p><b>Idle screen display:</b></p> <p style="text-align: center;">  </p>						
<p style="text-align: center;">   <b>Call set:</b> </p>	<p>It controls four functions: DND, Call forward, Auto answer, Call firewall. You can make some settings quickly just by clicking the button to turn on or turn off the function.</p> <p><b>Idle screen display:</b></p> <p style="text-align: center;">  </p>						
<p style="text-align: center;">   <b>Phone status:</b> </p>	<p>This widget shows the network connection status and the registration status of each line.</p> <p>network connection status: It shows the network connection modes and IP information if it is successful. But it shows "Network disconnect" once it is failed.</p> <p>Registration status:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">lamp</th> <th style="width: 55%;">Contents of registration</th> <th style="width: 30%;">Status</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	lamp	Contents of registration	Status			
lamp	Contents of registration	Status					

	gray	null	not registered
	red	phone number@ server address	Failed
	green	phone number@ server address	successful on the main server
	yellow	phone number@ backup server address	successful on the backup server
	 <p><b>Idle screen display:</b></p>		
 <b>Picture frame:</b>	<p>You can display anyone of your favorite picture on the idle screen through this picture frame.</p>  <p><b>Idle screen display:</b></p>		
 <b>Music:</b>	<p>Using this widget, you can listen to your music quickly and enjoy your life easily at any time.</p>  <p><b>Idle screen display:</b></p>		

Long press the idle screen, and the "Add to Home Screen" list will be popped up, tap "Folders" and enter to the "Select folder" list, select the appropriate file to add to the **desktop**:

<b>New folder:</b> 	Move the application shortcuts on the desktop to the new folder.
<b>Notes:</b> 	Show recently added content's title, tap the title to view the detailed information.
<b>All contacts:</b>	Show all contacts in it.

	
<b>Starred contacts:</b> 	Show favorites contacts in it; tap a contact to view detailed information.
<b>Contacts with phone numbers:</b> 	Show the contact which has the number and do not show the contact which has no phone number.

## 3 Settings

### 3.1 System info

Tap "Settings" can directly enter the default window "System info". It displays the current system information state.

<b>Configuration item</b>	<b>Meaning</b>
<b>PPPoE</b>	Displays the connection status of the PPPoE, there are three display states : Disable、 Connection and the IP address.
<b>WAN mode</b>	Displays the selected network mode, DHCP or Static IP.
<b>IP address</b>	Display the IP address of the current network model.
<b>NetMask</b>	Display the Subnet Mask of the current network model.
<b>Gateway</b>	Display the default gateway of the current network model.
<b>Primary DNS</b>	Display the primary DNS server address of the current network model.

<b>Alert DNS</b>	Display the standby DNS server address of the current use of the network model.
<b>MAC</b>	Display the current MAC address.
<b>Phone model</b>	Display the current phone model.
<b>Version</b>	Display the current version of the phone.
<b>Account</b>	Display the current configuration of the Account and more detailed information will be displayed on the desktop widget.

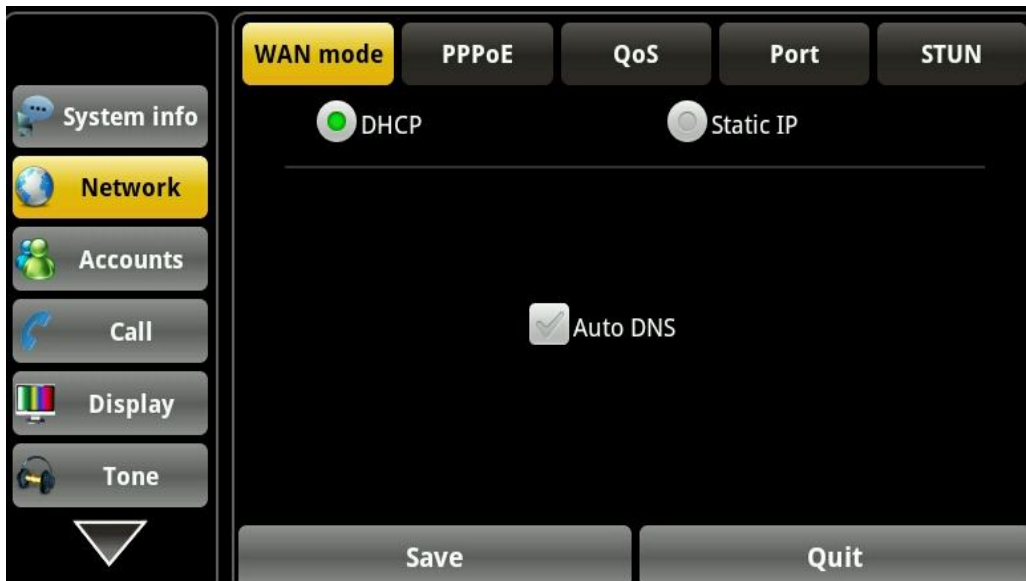


**System info interface**

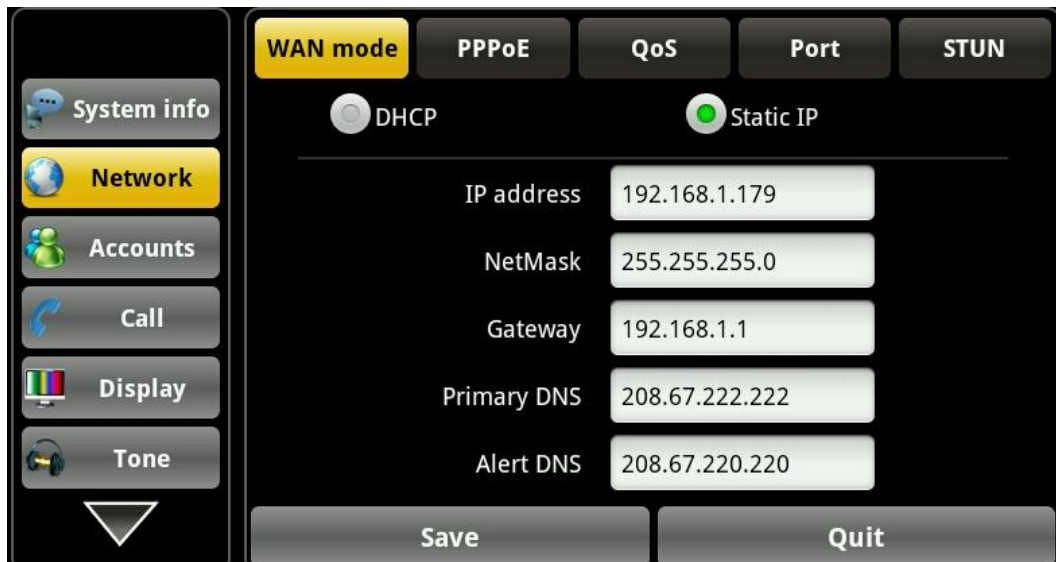
## 3.2 Network

### 3.2.1 Network

Tap "Network"----> "WAN mode" interface, the default interface is "DHCP": click "Save" button to save successfully after the configuration of each interface is finished. Then a tip box "save successfully" will be shown.



**DHCP interface**



**Static IP interface**

<b>Configuration</b>	<b>Meaning</b>
<b>DHCP</b>	Select to use DHCP, which means whether to use the DNS to connect network assigned by the DHCP server.
<b>Static IP</b>	IP address: Input the assigned IP address. NetMask: Input the assigned subnet mask. Gateway: Input the assigned gateway. Primary DNS: Input the assigned DNS server address. Alert DNS: Input the assigned Alert DNS server address.



### 3.2.2 PPPoE

Tap "Network" ----> "PPPoE". After configuring the parameters, you can click "Save" button to save successfully.



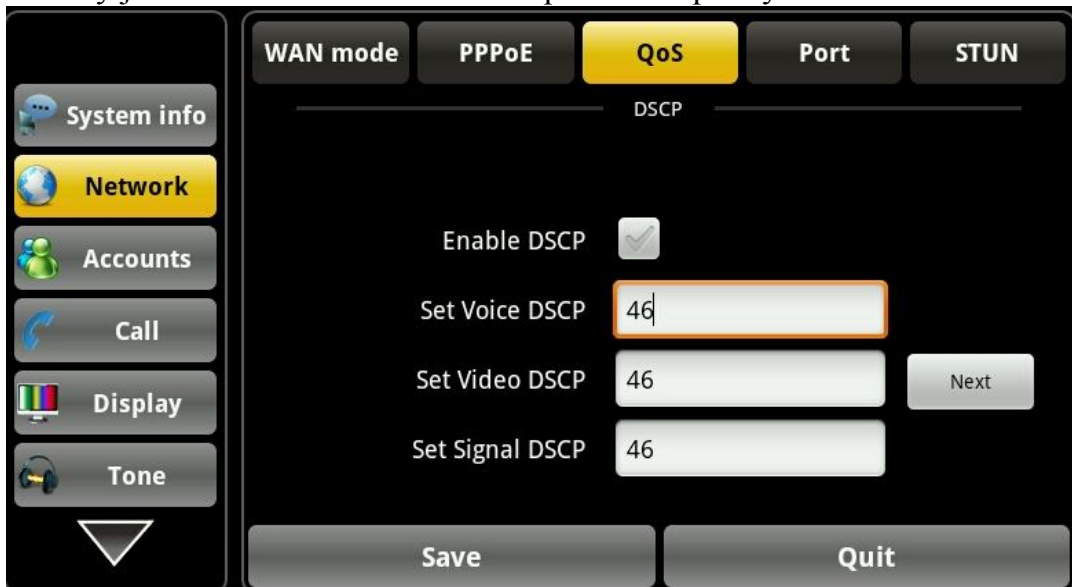
**PPPoE interface**

Configuration	Meaning
<p><b>PPPoE</b></p>	<p><b>User name:</b> Input the assigned PPPoE Username.  <b>Password:</b> Input the assigned PPPoE Password.  <b>Auto connect on power up:</b> Whether to automatically connect PPPoE on boot.  <b>Auto reconnect</b> When connect failed whether to automatically connect PPPoE.  <b>Enable PPPoE:</b> Whether to enable PPPoE.            After the parameter configuration is completed, if you do not select "enable PPPoE", then you can click on the "save" button, it only saves the configuration parameters; but if you select "enable PPPoE" and click "save" button, it can immediately use the PPPoE mode to connect the network, at the same time it will pop up PPPoE connection box, clicking the "disconnected" will pop up PPPoE configuration frame; if you click "connect", it will reconnect PPPoE; if you click "Cancel" button, it will only save the configuration parameters which have been set, not to enable PPPoE connection.</p>

### 3.2.3 QoS

Tap "Network"----> "QoS", after selecting or modifying the default settings click the "Save" button to save successfully.

**QoS:** Quality of Service is a security mechanism of network. It is used to solve the network delay and congestion of a technology. For the network service, quality of service including the transmission bandwidth, transmission delay, data packet loss rate and so on. In the network it can ensure the transmission bandwidth, reduce the transmission delay, and reduce the data packet loss rate and delay jitter and other measures to improve the quality of service.

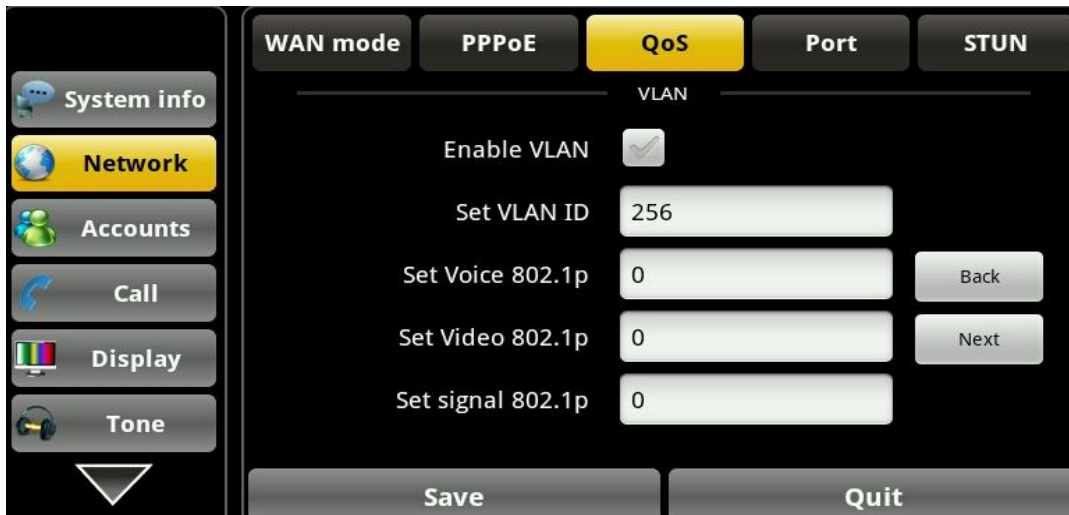


**QoS-DSCP Settings**

DSCP is one standard of QoS. It can set the priority of Voice, Video and Signal.

Configuration item	Meaning
<b>QoS- DSCP</b>	<b>Enable DSCP:</b> Enable/Disable DSCP. <b>Set Voice DSCP:</b> Set the number of Voice DSCP. <b>Set Video DSCP:</b> Set the number of Video DSCP. <b>Set Signal DSCP:</b> Set the number of Signal DSCP.

Click Next to enter the QoS-VLAN page,



### QoS-VLAN interface

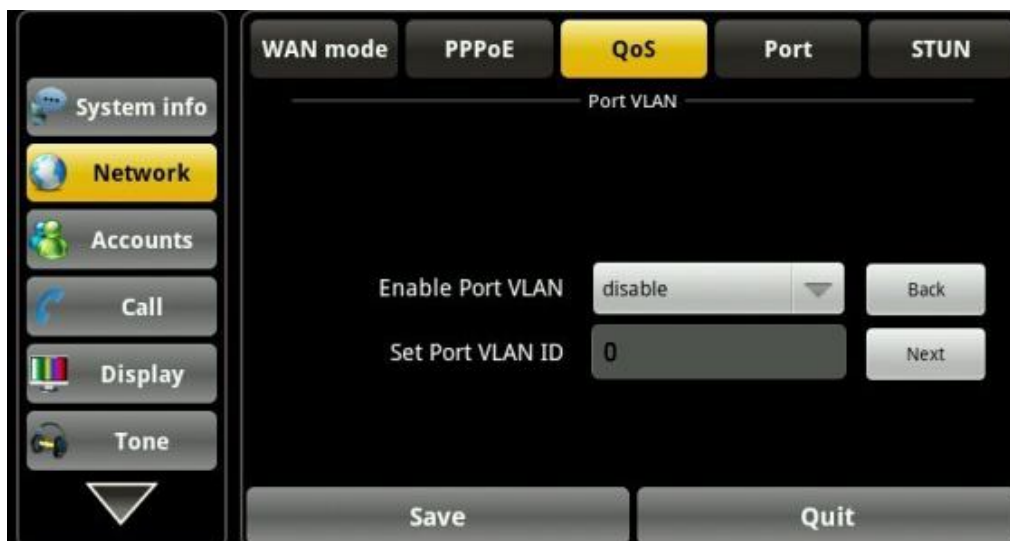
VLAN is Virtual Local Area Network.

Enable VLAN, then you can set VLAN ID, from 0 to 4095; you can set the priority of 802.1p from 0 to 7.

**Note: It must enable DSCP before you set 802.1p .**

Configuration item	Meaning
QoS- VLAN	<p><b>Enable VLAN:</b> Enable/Disable VLAN.</p> <p><b>Set VLAN ID:</b> Set the number of VLAN ID.</p> <p><b>Set Voice 802.1p:</b> Set the priority number of Video 802.1p.</p> <p><b>Set Video 802.1p:</b> Set the priority number of Video 802.1p.</p> <p><b>Set Signal 802.1p:</b> Set the priority number of Signal 802.1p.</p>

Click Next, enter QoS-Port VLAN interface

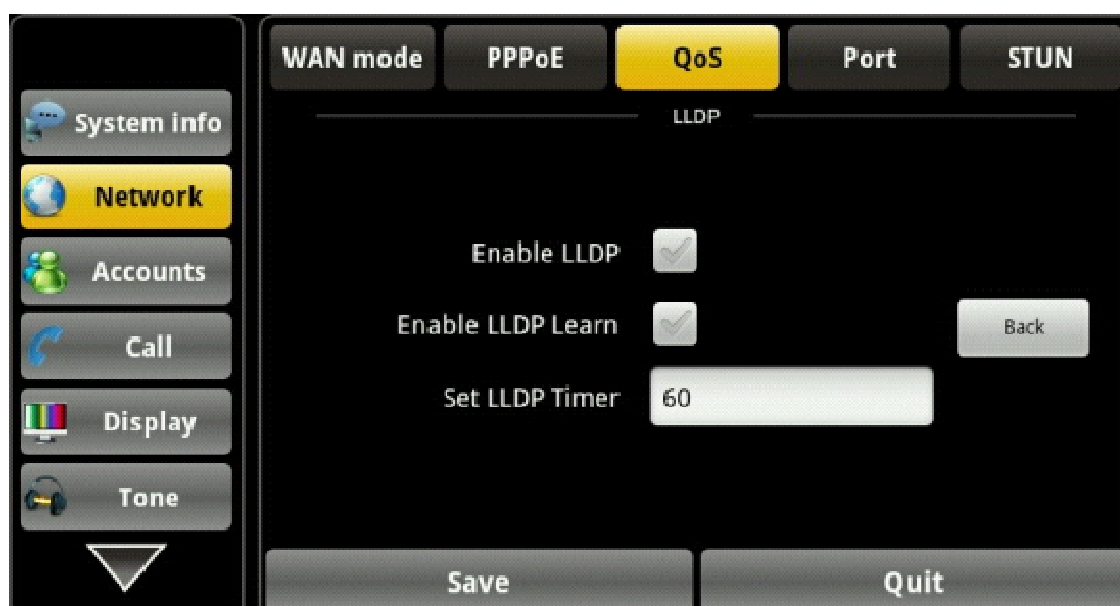


### Port VLAN interface

Port VLAN is based on port VLAN, in the same VLAN port to communicate with each other.

Configuration item	Meaning
QoS- Port VLAN	<p><b>Enable Port VLAN:</b> Enable/Disable Port VLAN.            Untagged: Disable Port VLAN.            Disable: Follow the ID number of WAN.            Enable: Enable Port VLAN and set the Port VLAN ID different from WAN.</p> <p><b>Set Port VLAN ID:</b> Set the number of Port VLAN ID different from WAN.</p>

Click Next, enter LLDP interface,

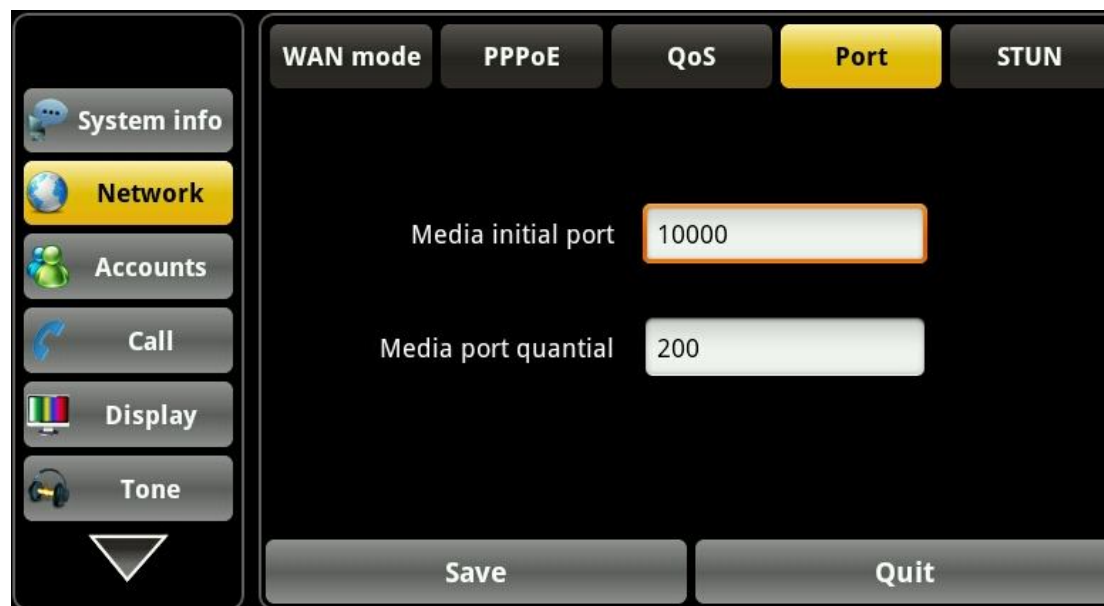


### LLDP interface

Configuration item	Meaning
QoS- Port LLDP	<p><b>Enable LLDP:</b> Enable/Disable LLDP.</p> <p><b>Enable LLDP Learn:</b> After enabling LLDP Learn, telephone can automatically learn the number of DSCP, 802.1p, VLAN ID of the network. If the number is different from the number of network, telephone will change its own value to the value of the network.</p> <p><b>Set LLDP Timer:</b> The time interval of sending LLDP Packet. Default is 60.</p>

### 3.2.4 Port

Tap "Network" ----> "Port", after selecting or modifying the default settings click "Save" button to save successfully.

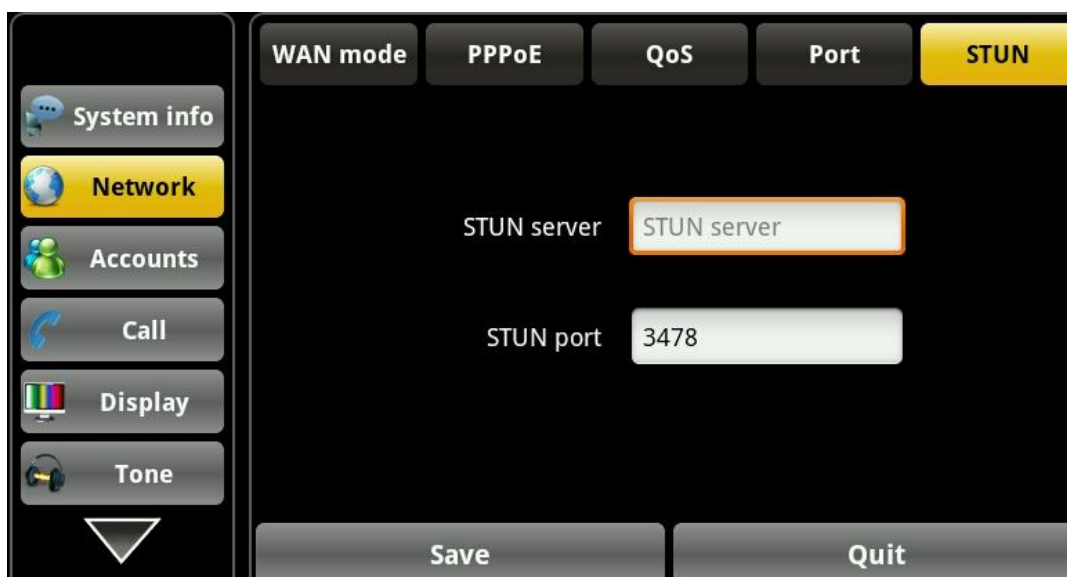


**Port interface**

Configuration item	Meaning
Port	<b>Media initial port(10000-60000):</b> Set the telephone's media initial port. This port is distributed to dynamic allocation. <b>Media port quantial:</b> Set the maximum number of allocated RTP port, the default is 200.

### 3.2.5 Stun

Tap "Network" ----> "Stun", after selecting or modifying the default settings click "Save" button to save successfully.



**Stun interface**

Configuration item	Meaning
<b>Stun</b>	<p><b>Stun Server:</b> Configure the SIP STUN server address.</p> <p><b>Stun port:</b> Configure the SIP STUN server port.</p>

### 3.3 Account

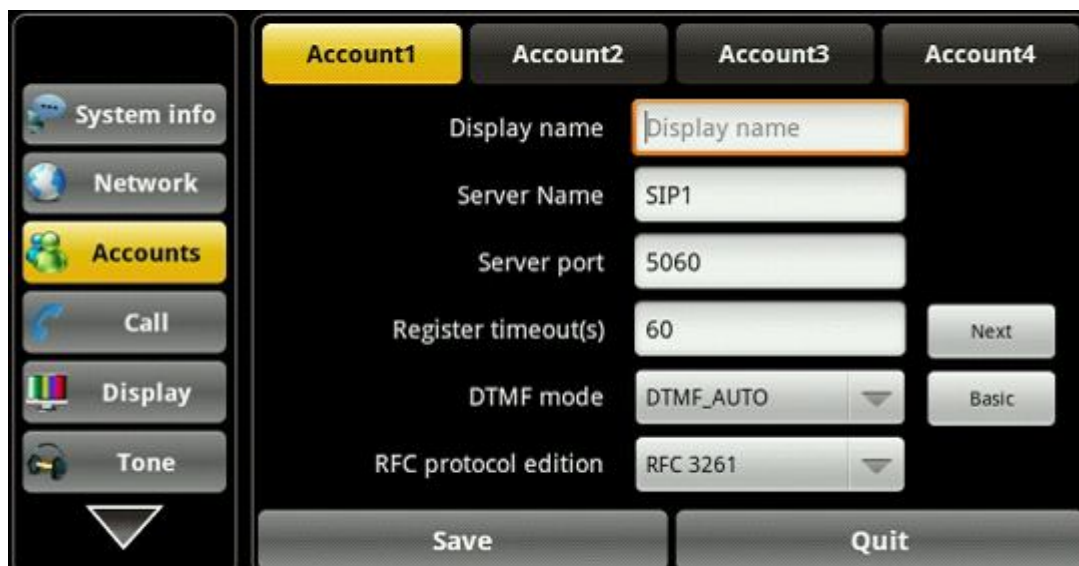
Tap "Account"---->"Account1", after setting the parameters you can click the "More" button to switch to the next page to set; it has a total of five interfaces, after all the parameters are set, you can click "Save" button to save successfully. (You can also save single page.)

(Note: The Account1, 2, 3, 4 has the same settings.)



### Account page 1

Configuration item	Meaning
<b>Account</b>	<p><b>Account active:</b> Enable/Disable register.</p> <p><input type="checkbox"/> Disable register, <input checked="" type="checkbox"/> Enable register.</p> <p><b>SIP server:</b> Set your SIP server address. It supports the address in the form of domain name..</p> <p><b>Phone number:</b> Input the phone number assigned by your VoIP service provider. Phone will not register if there is no phone number configured.</p> <p><b>Account:</b> Set the SIP account.</p> <p><b>Password:</b> Set the SIP password.</p> <p><b>Domain:</b> Configure the SIP domain name (You do not need to configure it because the system will configure automatically).</p>



### Account page 2

	<p><b>Display name:</b> Configure the display name, it allows the English alphabet input (does not support Chinese).</p> <p><b>Server Name:</b> Configure the SIP register server name.</p> <p><b>Server port:</b> Configure the SIP register server port.</p> <p><b>Register timeout(s):</b> Configure the server register timeout(s), default 60 seconds. If the registration time of the server required is greater or less than the time of the phone to configure, telephone can automatically modify to the time limit that server recommended, and register again.</p> <p><b>DTMF mode:</b> Set DTMF mode, there are four types: DTMF_RELAY DTMF_RFC2833</p>
--	---

	<p>DTMF_SIP_INFO DTMF_AUTO</p> <p>Different server vendors can provide different models. <b>RFC protocol edition:</b> Configure the protocol version of the phone. When the phone needs to communicate with gateway which uses SIP1.0, such as CISCO5300, it need to configure to RFC2543 to conduct normal communication. RFC3261 is used by default.</p>
	<p><b>RFC privacy edition:</b> Configure whether to use anonymous security call. It supports RFC3323 and RFC3325.</p> <p><b>Transport protocol:</b> Configure the transport protocol, TCP or UDP.</p> <p><b>Ban anonymous:</b> Configure whether to ban anonymous call.</p> <p><b>Enable strict proxy:</b> Compatible with special server. (Using source address of opposite side when return message, no longer use the address in via field).</p> <p><b>Enable subscribe:</b> After successful registration, you can subscribe to information, such as someone else's status or voice mail and so on.</p> <p><b>Enable via rport:</b> Configure whether to support RFC3581, rport mechanism is used in internal network, and requires a SIP server to support, it is used for keeping the NAT connect of the internal network and the external network.</p>
	<p><b>Enable prack:</b> Configure whether to support SIP-PRACK function (used by "Color Ring Back Tone") Recommend: Use the default configuration.</p> <p><b>Enable uri convert:</b> When it send URI , it will convert # to %23.</p> <p><b>Enable DNS SRV:</b> Configure whether to enable RFC2782 protocol edition. Set to make quotation mark to display name as the phone sends out signal, in order to be compatible with server.</p> <p><b>Enable displayname quote:</b> Set to make quotation mark to display name as the phone sends out signal, in order to be compatible with server.</p> <p><b>Enable CLIR:</b> If the caller does not agree to display their phone number on the called party's telephone, it can ask the telecommunication department for the</p>



	calling line identification restriction (CLIR) business functions, The caller's telephone number will not be displayed in the called party's telephone.
	<p><b>Use stun:</b> Enable/Disable SIP STUN.</p> <p><b>Enable BLF List:</b> Enable/Disable BLF List.</p> <p><b>BLF List URL:</b> <a href="#">Input</a> the URL of BLF List.</p> <p><b>Enable session timeout:</b> Enable/Disable session timeout.</p> <p><b>Session timeout(s):</b> Set the time of session.</p> <p><b>Backup proxy:</b> Configure a backup server address. When the primary server is not connected, it can use the backup server for calling communications (The backup server can be connected only when the primary server cannot connect); When the primary server is connected, the phone will automatically switch back to the primary server to communicate.</p> <p><b>Backup proxy port:</b> Configure the backup server port.</p>

### 3.4 Call

After configuring the parameters of each interface, you can click "Save" button to save successfully.

#### 3.4.1 General

Tap "Call" ----> "General" interface. After configuring the parameters, you can click "Save" button to save successfully.

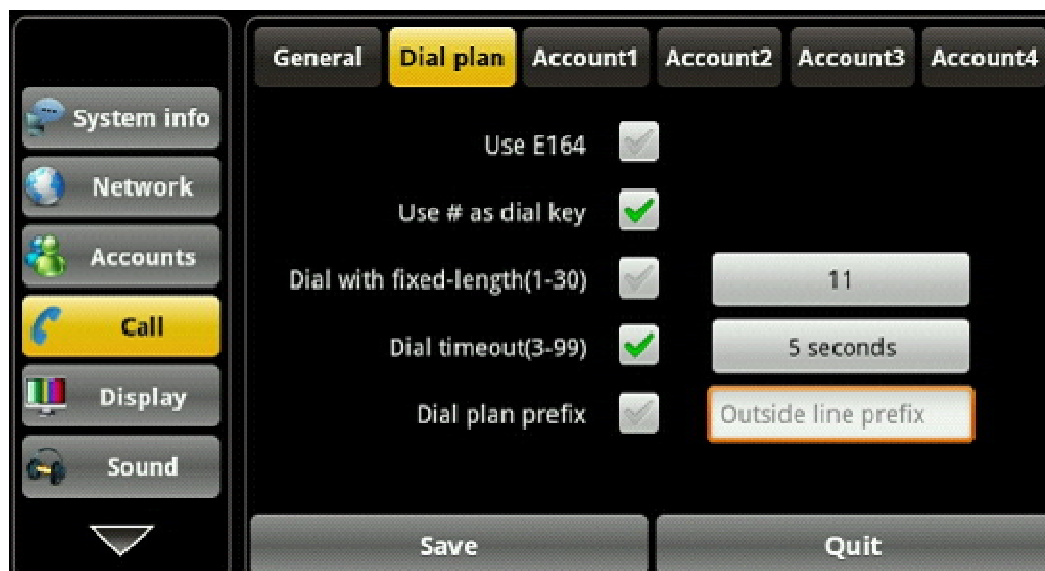


General interface

<b>Configuration</b>	<b>Meaning</b>
<b>General</b>	<p><b>Do not disturb:</b> Enabled the "Do not disturb", the phone will not allow incoming phone calls, but the notification about missed calls will be displayed at the status bar.</p> <p><b>Call waiting:</b> Set whether to enable the call waiting function.</p> <p><b>Default calling mode:</b> Set the default call mode of the phone, Audio or Video.</p> <p><b>Default answering mode:</b> Set the default answer mode of the phone, Audio or Video.</p> <p><b>Callers address display:</b> After enabling the callers address display and when a call comes in, the incoming interface can display the attribution information of the caller's number.</p> <p><b>No answer time:</b> Set no answer time. The default time is 30 seconds.</p>
	<p><b>Password dial:</b> Enable/Disable password dial.</p> <p><b>Password prefix:</b> Input the password prefix, such as 138.</p> <p><b>Password length:</b> Input the length of number you want to hide. Such as 3.</p> <p>So if you enable the <b>password dial</b> and dial the number 13812054896, you set the <b>password prefix</b> is 138, <b>password length</b> is 3, then when you dial the number, the screen will show 138*****54896.</p> <p><b>Conference type:</b> Select "Local" or "Remote".</p> <p><b>Conference Server:</b> Input the conference server name.</p> <p><b>DTMF display mode:</b> Select "The normal display", "Show all *" or "Delay for * display".</p> <p>If you select "The normal display", then when you use DTMF to input number, the number will display as what you input.</p> <p>If you select "Show all *", then when you use DTMF to input number, the number will all display as *.</p> <p>If you select "Delay for * display", then when you use DTMF to input number, the number will delay to display as *.</p>
	<p><b>Auto answer mode:</b> Select "Handfree" or "Headset" to auto answer.</p>

### 3.4.2 Dial plan

Tap "Call"----> "Dial plan" interface. After configuring the parameters, you can click "Save" button to save successfully.

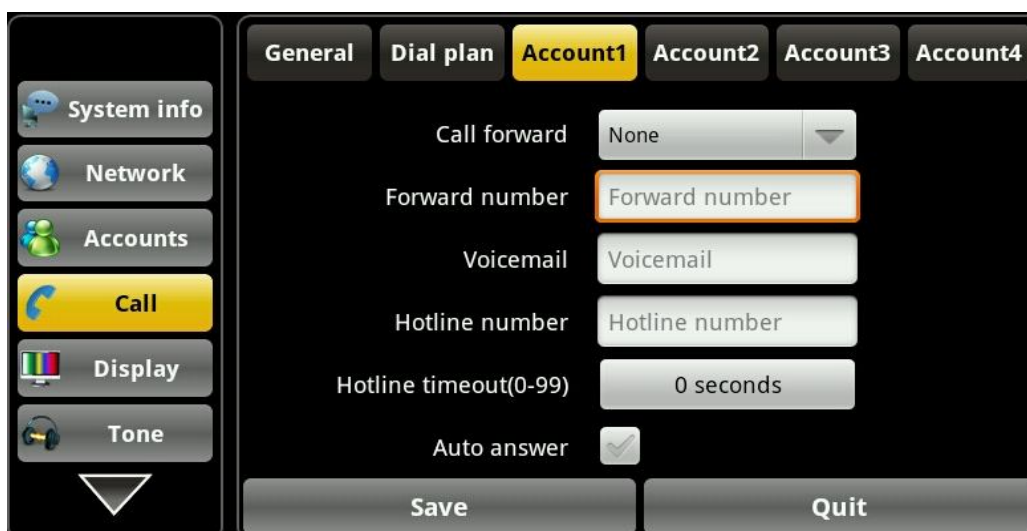


**Dial plan interface**

Configuration item	Meaning
Dial plan	<p><b>Use E164:</b> Enable/Disable E164. After it is enabled, it will directly dial numbers according with E164 rules.</p> <p><b>Use # as dial key:</b> Enable/Disable. After enabling the function, input the number end with "#" in the non-pre-dial mode, it will directly dial the phone number.</p> <p><b>Dial with fixed length (1-30):</b> Enable/Disable. After enabling the function, inputting the number of specified length in the non-pre-dial mode will make the call directly.</p> <p><b>Dial timeout (3-99):</b> Enable/Disable. After enabling the function, input the number in the non-pre-dial mode, it will dial the phone number in the specified time.</p> <p><b>Dial plan prefix:</b> Enable/Disable. After enabled the function, it will be automatically added the outside line prefix number before the outgoing number when you are going to call.</p>

### 3.4.3 Accounts

Tap "Call "----> "Account1, 2, 3, 4". After configured the parameters, you can click "Save" button to save successfully.



Account interface

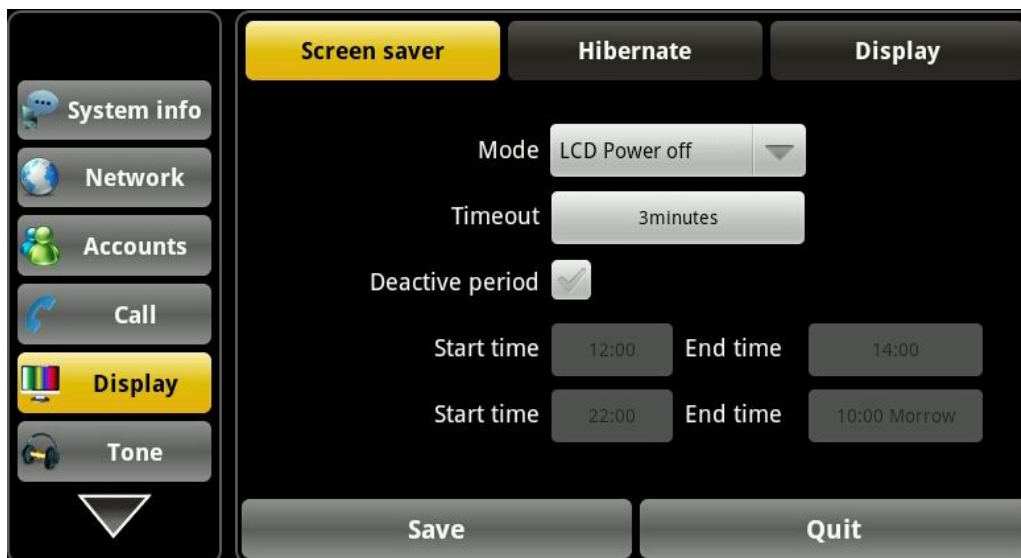
Configuration item	Meaning
Account	<p><b>Call forward:</b> Enabled/Disable Call forward function. (You can select "Always" , "No answer" , "Busy" and "None")</p> <p><b>Forward number:</b> Set the forward number for each SIP line.</p> <p><b>Voicemail:</b> Set the voicemail number for each SIP line.</p> <p><b>Hotline number:</b> Set the hotline number for each SIP line.</p> <p><b>Hotline timeout (0-99):</b> Set the waiting time of the hotline number after hooking off, if the number is not set, the default time is 0, and then it will immediately call the hotline number.</p> <p><b>Auto answer:</b> Whether to enable "Auto answer" function.</p>

### 3.5 Display

Tap "Display" ---> "Display" interface. After configuring the parameters, you can click "Save" button to save successfully.

### 3.5.1 Screen

Tap "Display" ----> "Screen saver" interface. After configuring the parameters, you can click "Save" button to save successfully.

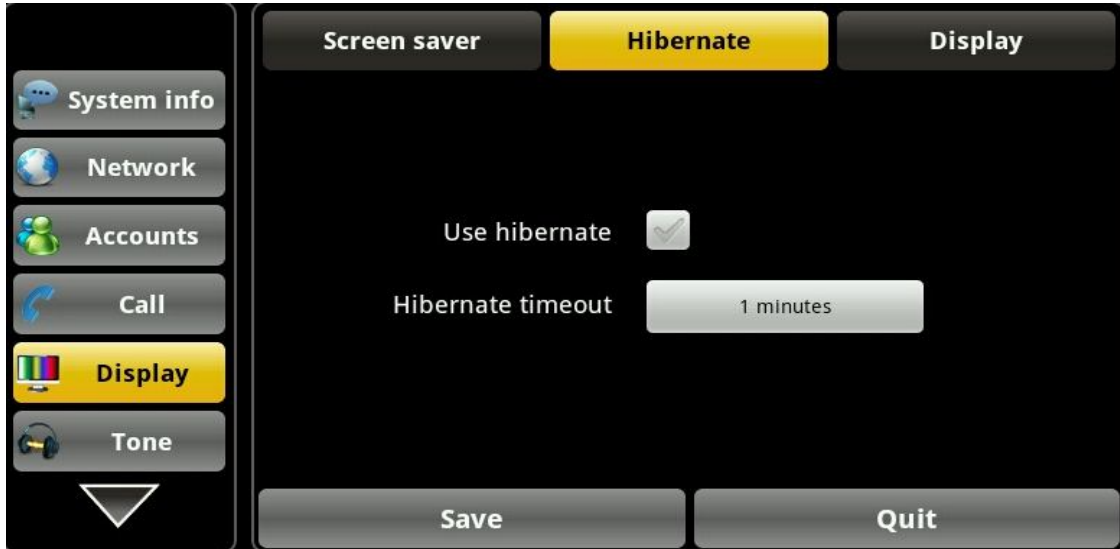


Screen saver interface

Configuration item	Meaning
Screen saver	<p><b>Mode:</b> Enable/Disable. After enabling this function, the LCD screen will be the state of the screen saver mode after the specified time. There are three types of screen saver ("Disabled", "Album" and "Clock") for you to choose.</p> <p><b>Timeout:</b> Input the waiting time after enabling the screen saver mode, the default unit is minute.</p> <p><b>Deactive period:</b> Set deactive period and other related parameters..</p>

### 3.5.2 Hibernate

Tap "Display " ----> "Hibernate" interface. After configuring the parameters, you can click "Save" button to save successfully.

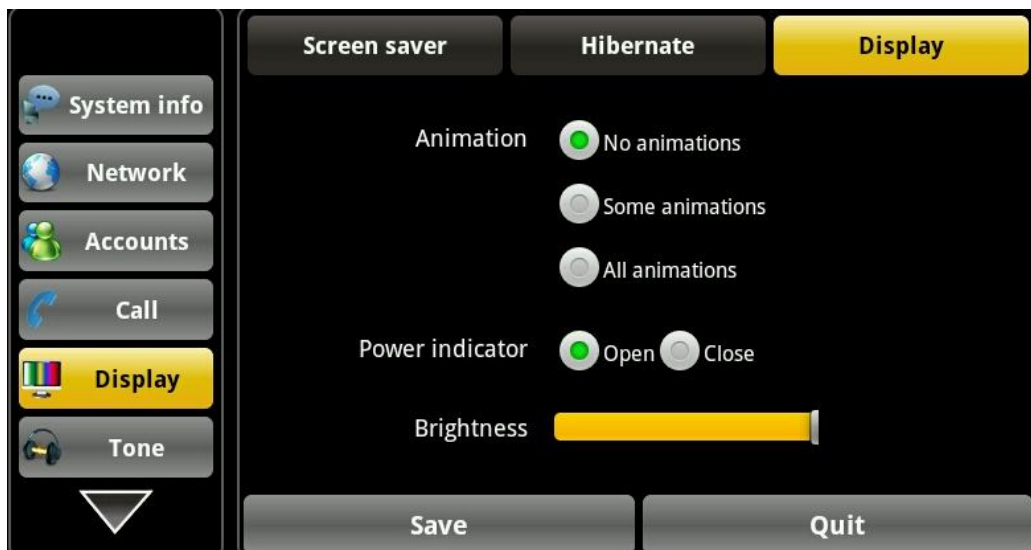


**Hibernate interface**

Configuration item	Meaning
<b>Hibernate</b>	<p><b>Use hibernate:</b> Enable/Disable. After enabling this function, the LCD screen will be the state of the hibernate mode after the specified time.</p> <p><b>Hibernate timeout:</b> Input the waiting time after enabling the hibernate mode, the default unit is minute.</p>

### 3.5.3 Display

Tap "Display" ----> "Display" interface. After configuring the parameters, you can click "Save" button to save successfully.



**Display interface**

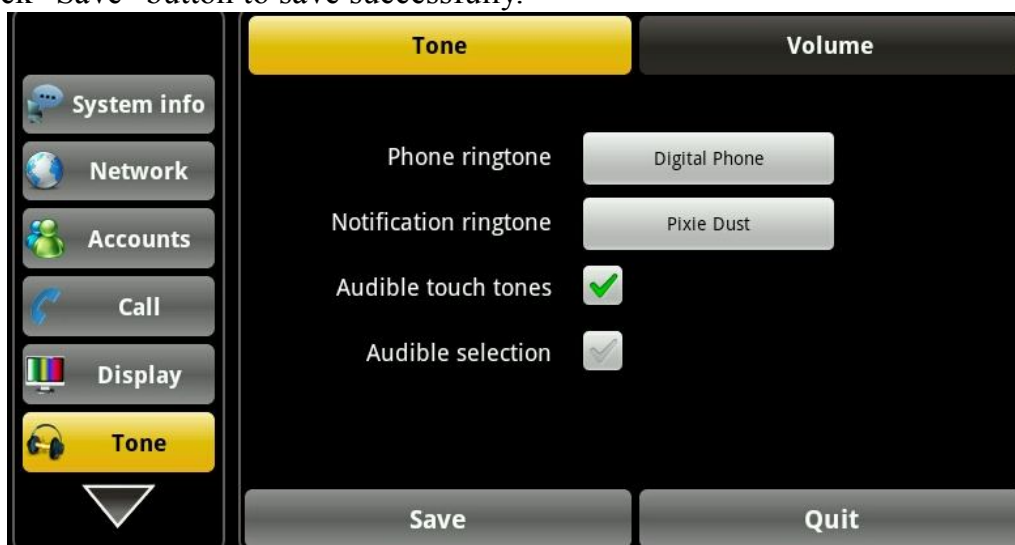
Configuration item	Meaning
Display	<p><b>Animation:</b> Set the window animation mode, there are three kinds of mode ("No animations", "Some animations" and "All animations") for you to choose.</p> <p><b>Power indicator:</b> You can select "Open" or "Close" to control the power indicator.</p> <p><b>Brightness:</b> Regulate brightness of screen display.</p>

## 3.6 Tone

Tap "Settings" ----> "Tone" interface. After configuring the parameters, you can click "Save" button to save successfully.

### 3.6.1 Tone

Tap "Tone" ----> "Tone" interface. After configuring the parameters, you can click "Save" button to save successfully.



**Tone interface**

Configuration item	Meaning
Tone	<p><b>Phone ringtone:</b> Set telephone ringtone of incoming calls.</p> <p><b>Notification ringtone:</b> Set notification ringtone of the telephone.</p> <p><b>Audible touch tones:</b> Enable/Disable. After enabling</p>

	<p>the function, when you use a dialing keyboard it can play sound.</p> <p><b>Audible selection:</b> Enable/Disable. After enabled the function, when you select the screen it can play sound.</p>
--	--

### 3.6.2 Volume

Tap "Tone" ----> "Volume" interface. After configuring the parameters, you can click "Save" button to save successfully.



Volume interface

Configuration item	Meaning
<b>Volume</b>	<p><b>Incoming call volume:</b> Adjust the volume size of incoming call.</p> <p><b>Notification volume:</b> Adjust the volume size of notification.</p> <p><b>Media volume:</b> Adjust the volume size of media.</p> <p><b>Silent mode:</b> Set whether to enable Silent mode. After enabling the function, all sounds will not take effect except media volume and alarm clock.</p>

### 3.7 Language

Tap "Settings" ----> "Language" interface. After selecting the language, you can click "Save" button to save successfully.

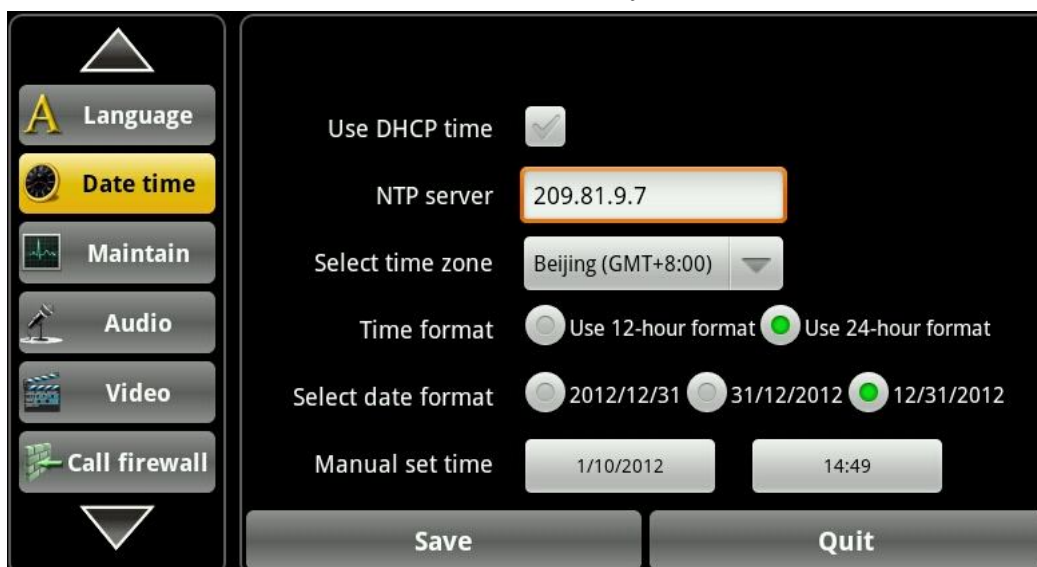




**Language interface**

### 3.8 Date time

Tap "Settings" ----> "Date time" interface. After configuring the parameters, you can click "Save" button to save successfully.



**Date time interface**

Configuration item	Meaning
<b>Date time</b>	<p><b>Use DHCP time:</b> Enable/Disable DHCP time. After enabling, the phone will automatically synchronize the network time in a certain period of time.</p> <p><b>NTP server:</b> Configure SNTP server address of the phone to get the current time.</p>

	<p><b>Select time zone:</b> Select the current time zone.</p> <p><b>Time format:</b> Select the current time format. You can choose "Use 12-hour format" or "Use 24-hour format."</p> <p><b>Select date format:</b> Select the current date format. There are three types for you to choose ("Year - Month - Day", "Day - Month - Year" or "Month - Day - Year").</p> <p><b>Manual set time:</b> You can manually set the current date and time.</p>
--	--

## 3.9 Maintain

Tap "Settings" ----> "Maintain" ----> "Update" interface. After configuring the parameters, you can click "Save" button to save successfully.

### 3.9.1 Update

- **In order to update, the telephone has three ways to compare:**
  1. Compare version. If the number of update version is higher than current number, then update.
  2. Compare common version, is the version of the common file. If the number of update version is higher than current number, then update.
  3. Compare digest. If the configuration of digest is changed, then update.
  
- **Download file format : .txt, .cfg, .xml**
  
- **Download file type:** One is common configuration file; one is the terminal MAC address for the configuration file's name—**MAC-Oriented**, if the MAC address is 00:A8:C5:59:0C:8A, then the file name is 00A8C5590C8A.cfg (txt or xml) format; One is based on terminal ID corresponding to the configuration file name for the configuration file—**ID-Oriented**, that such as 123.xml (cfg or txt); the other configuration file name is the user defined.

**Note:**

1. **PnP and DHCP** support Common CFG file and MAC-Oriented CFG file and ID-Oriented CFG file for auto provision. The endpoints download Common CFG file firstly, and then download MAC-Oriented CFG file or ID-Oriented file.
2. **Phone Flash** support Common CFG file and MAC-Oriented CFG file or Custom CFG file. If customer deploys Custom CFG file name in the web page, the endpoint will download Custom CFG file. If customer doesn't deploy Custom CFG file name, the endpoint will download MAC-Oriented.

➤ **Server corresponding url to fill out:**

1. **FTP or TFTP url:** ftp(tftp)://ftp(tftp) server ip/\$mac.cfg(txt or xml);
2. **HTTP:** http(s)://http(s) server ip/\$mac.cfg(txt or xml);
3. **The authentication URL to fill out:** Including https and ftp server. That is, need to input username and password of the server.

Put the username and password in front of the server ip.

e.g.: [https://dlink:dlink@192.168.1.3/\\$mac.cfg](https://dlink:dlink@192.168.1.3/$mac.cfg)

**dlink:dlink@** is **username:password@**.

**Note:** If the URL you input has no username and password, then when the telephone rebooting, you must input the username and password, else you needn't input.

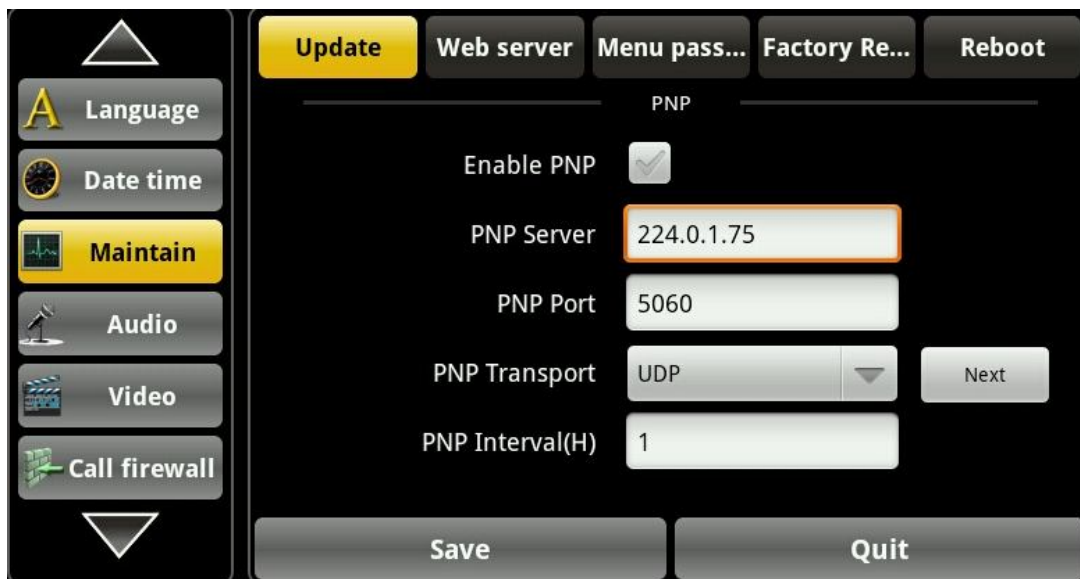
➤ **Auto provision can support \$mac and \$input to get configuration file, and the authentication of username and password.**

➤ **How to configure:**

1. **Download COMMON configuration:** Put the configuration file in the server file, named f0D08000000.cfg (xml or txt). Input URL at the server, such as: http://192.168.1.206/ f0D08000000.cfg, input the server address at the telephone, such as: 192.168.1.206, then reboot the telephone.

2. **Download the MAC-Oriented file.** URL is: [http://192.168.1.206/\\$mac.cfg](http://192.168.1.206/$mac.cfg), input the MAC-Oriented file in the server file.
3. **Download the ID-Oriented file.** URL is: [http://192.168.1.206/\\$input.cfg](http://192.168.1.206/$input.cfg), if the 123.cfg is input in the server file, then when the telephone reboot, you should input 123 to download the 123.cfg configuration file.

Tap "Update", enter the PNP interface:

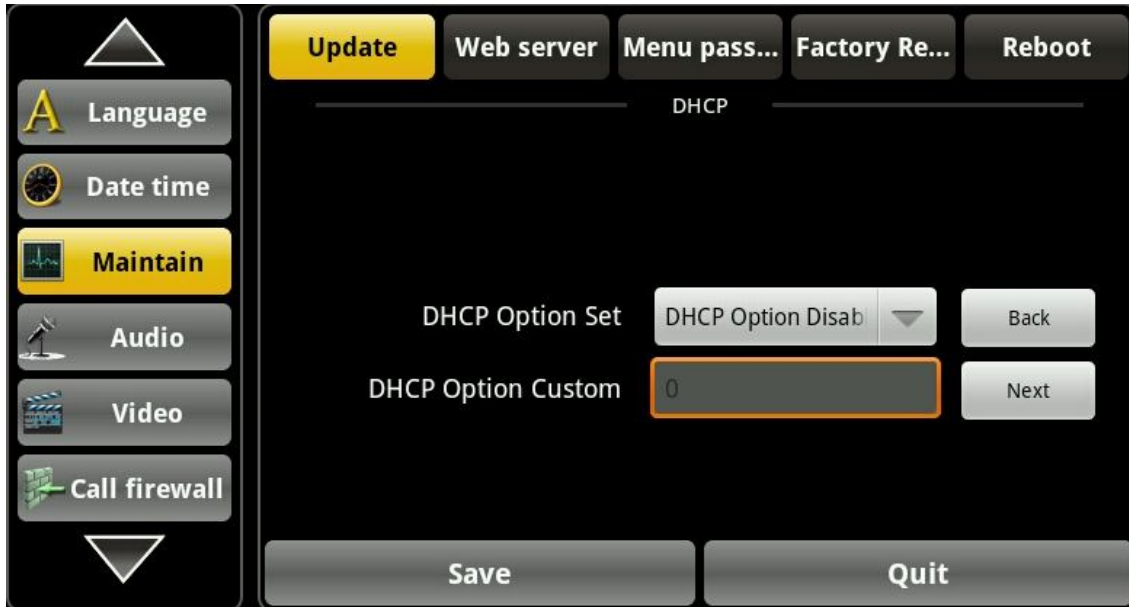


#### PNP interface

**PNP is plug and play.** If the telephone is failed to get the update parameters, it will use other methods to update.

Support Common CFG file and MAC-Oriented CFG file and ID-Oriented CFG file auto provision. The endpoints download Common CFG file firstly, and then download MAC-Oriented CFG file or ID-Oriented file.

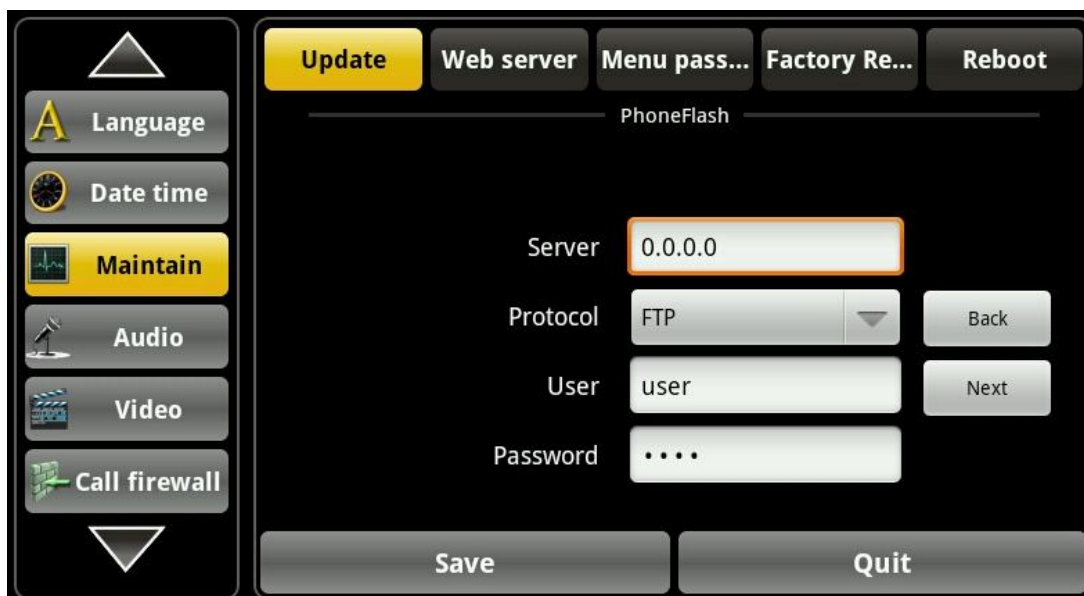
Configuration	Meaning
Update	<p><b>Enable PNP:</b> Enable/Disable PNP.</p> <p><b>PNP Server:</b> Input the PNP Server name. The default is 224.0.1.75. It depends on your environment.</p> <p><b>PNP Port:</b> Input the PNP port number.</p> <p><b>PNP Transport:</b> Select the transport protocol, "TCP" or "UDP".</p> <p><b>PNP Interval (H):</b> Input automatic update interval.</p>



**Update-DHCP interface**

Support Common CFG file and MAC-Oriented CFG file and ID-Oriented CFG file auto provision. The endpoints download Common CFG file firstly, and then download MAC-Oriented CFG file or ID-Oriented file.

Configuration	Meaning
<b>Update</b>	<p><b>DHCP Option Set:</b> Select "DHCP Option 43", "DHCP Option 66" or "DHCP Option Custom".</p> <p><b>DHCP Option Custom:</b> After select "DHCP Option Custom", you need to input the DHCP number (Range is 128~254).</p>



**Update-Phone Flash**

Support Common CFG file and MAC-Oriented CFG file or Custom CFG file. If customer deploys Custom CFG file name in the web page, the endpoint will download Custom CFG file. If customer doesn't deploy Custom CFG file name, the endpoint will download MAC-Oriented.

Configuration	Meaning
Update	<p><b>Server:</b> Input the server address.</p> <p><b>Protocol:</b> Select Protocol, including "FTP", "TFTP", "HTTP", and "HTTPS".</p> <p><b>User:</b> Input server username.</p> <p><b>Password:</b> Input server password.</p> <p><b>File name:</b> Input MAC-Oriented configuration file or defined configuration name of user.</p> <p><b>Common encrypt key:</b> If the downloaded configuration files have been AES encrypted, the AES Keys will be needed. The Common AES Key is for decrypting the Common CFG file. The Config Encrypt Key is for decrypting the MAC-Oriented CFG file. The keys must be 64 characters and the supported characters are: 0 ~ 9, A ~ F, a ~ f.</p> <p><b>Custom encrypt key:</b> Input the defined encrypt key, follow the Common encrypt key method.</p> <p><b>Mode:</b> Select "After reboot" or "Time interval".</p> <p><b>Time interval(Hour):</b> If you select <b>Time Interval</b>, you should fill out the update time, default is 1 hour.</p>

### 3.9.2 Web server

Tap "Maintain"---->"Web server" interface. After configured the parameters, you can click "Save" button to save successfully.

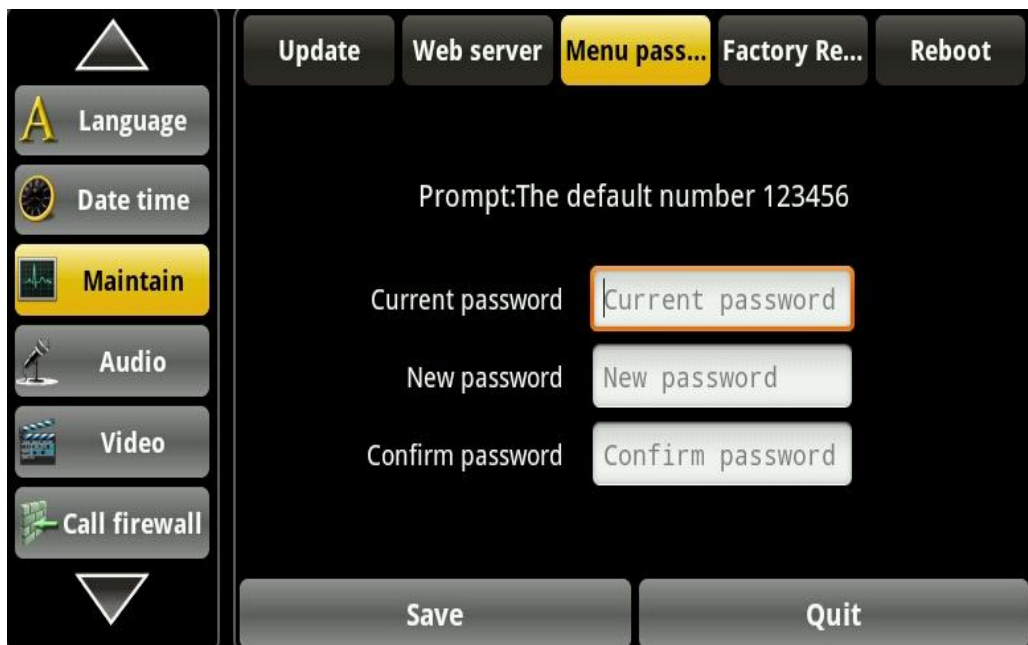


## Web server interface

Configuration	Meaning
<b>Web server</b>	<p><b>Web server:</b> Select "HTTP" or "HTTPS". After selecting one server, you can use the selected server to login the telephone's web page. Such as: <a href="https://192.168.1.20">https://192.168.1.20</a> .</p> <p><b>HTTP port:</b> Input server port, default is 80.</p>

### 3.9.3 Menu password

Tap "Maintain"---->"Menu password" interface. After configured the parameters, you can click "Save" button to save successfully.

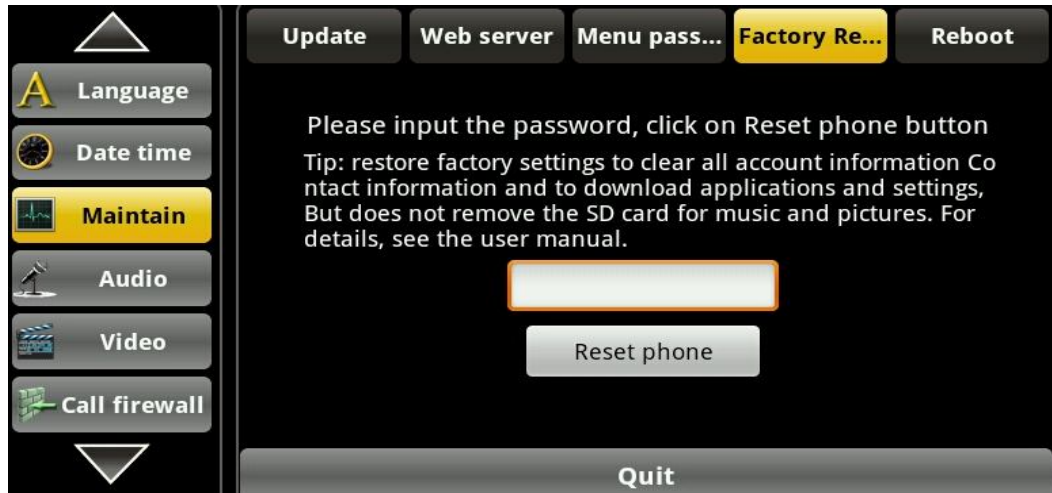


## Menu password interface

Configuration	Meaning
<b>Menu password</b>	<p><b>Current Password:</b> Default password: 123456.</p> <p><b>New password:</b> Input your new password.</p> <p><b>Confirm new password:</b> Input your new password again.</p>

### 3.9.4 Factory reset

Tap "Maintain"----> "Factory reset" interface. After configured the parameters, you can click "Reset phone" button to reset successfully.

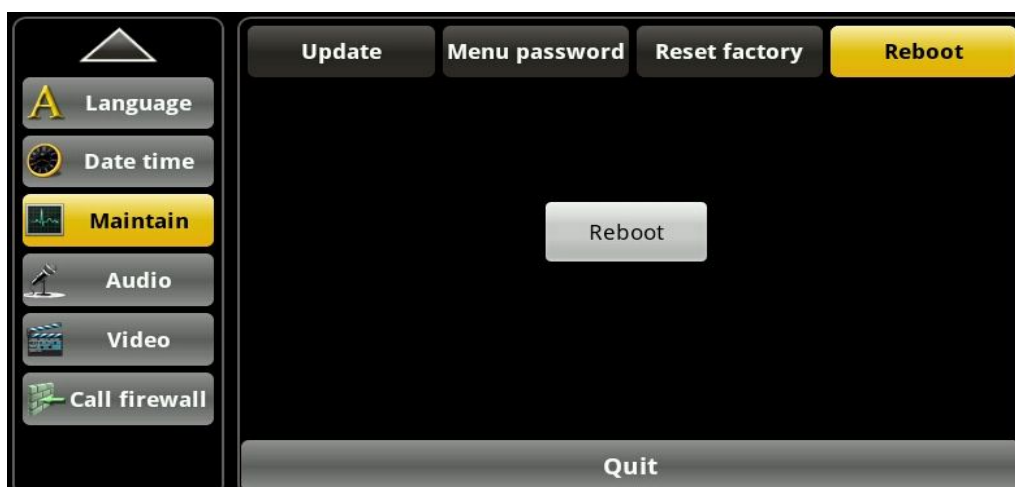


Factory reset interface

Configuration	Meaning
Factory reset	<b>Reset phone:</b> Click "Reset phone" to reset.

### 3.9.5 Reboot

Tap "Maintain"----> "Reboot" interface. You can click "Reboot" button to pop-up "reboot" dialog box, click "OK" to reboot the phone, click "Cancel" will have no operation.



Reboot interface

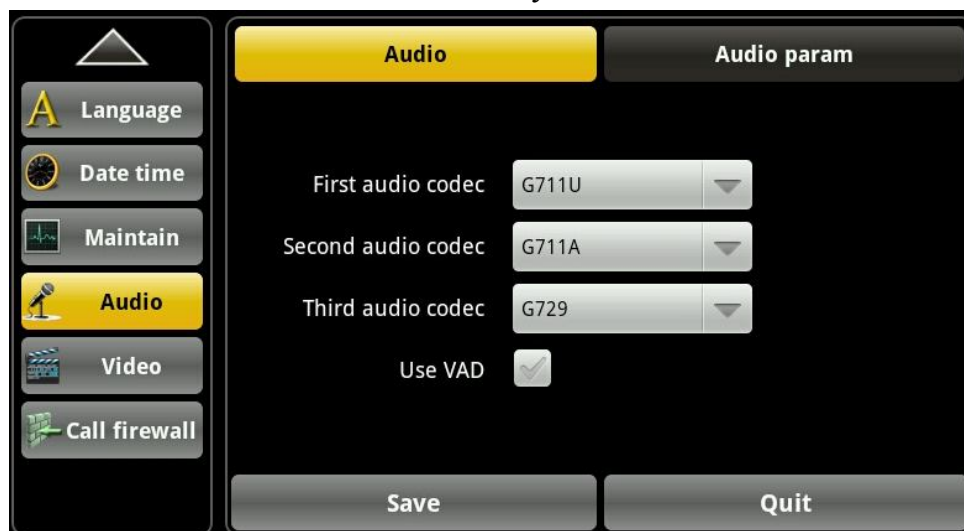


## 3.10 Audio

Touch "Settings" ----> "Audio", enter the detailed interface.

### 3.10.1 Audio

Touch "Audio"----> "Audio" interface. After configuring the parameters, you can click "Save" button to save successfully.

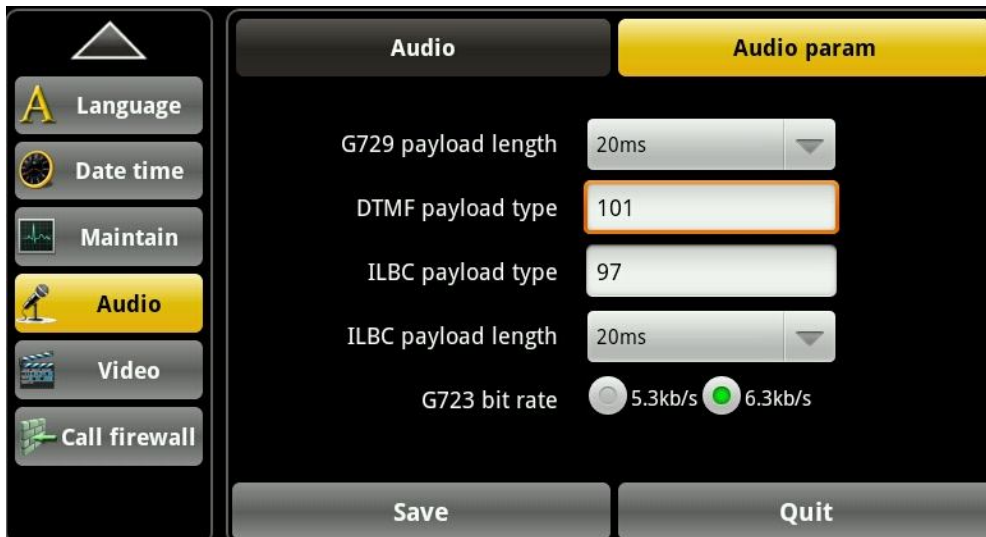


Audio interface

Configuration item	Meaning
Audio	<p><b>First audio codec:</b> Set the first priority in the use of voice coding.</p> <p><b>Second audio codec:</b> Set the second priority in the use of voice coding.</p> <p><b>Third audio codec:</b> Set the third priority in the use of voice coding.</p> <p><b>Use VAD:</b> Whether to enable VAD. (Voice Activity Detection); If you enabling VAD function, then the G.729 payload length cannot be set greater than 20ms.</p>

### 3.10.2 Audio param

Touch "Audio"----> "Audio param" interface. After configuring the parameters, you can click "Save" button to save successfully.



**Audio param interface**

Configuration item	Meaning
<b>Audio param</b>	<p><b>G729 payload length:</b> Set G729 codec payload length.</p> <p><b>DTMF payload type:</b> Set DTMF payload type, values between 96 and 127.</p> <p><b>ILBC payload type:</b> Set ILBC payload type, values between 96 and 127.</p> <p><b>ILBC payload length:</b> Set ILBC payload length.</p> <p><b>G723 bit rate:</b> Set the rate of G723, you can choose 5.3kb / s or 6.3kb / s.</p>

## 3.11 Video

Touch "Settings" ----> "Video" and enter the settings interface.

### 3.11.1 Video param

Touch "Video"----> "Video param" interface. After configuring the parameters, you can click "Save" button to save successfully.



**Video param interface**

<b>Configuration item</b>	<b>Meaning</b>
<b>Video param</b>	<p><b>First video codec:</b> Set the first priority in the use of video coding.</p> <p><b>Second video codec:</b> Set the second priority in the use of video coding.</p> <p><b>Third video codec:</b> Set the third priority in the use of video coding.</p> <p><b>H.264 payload type:</b> Set payload type of H.264, value between 96 and 127.</p> <p><b>Mpeg4 payload type:</b> Set payload type of Mpeg4, value between 96 and 127.</p>

### 3.11.2 Bandwidth

Touch "Video"----> "Bandwidth" interface. After configuring the parameters, you can click "Save" button to save successfully.

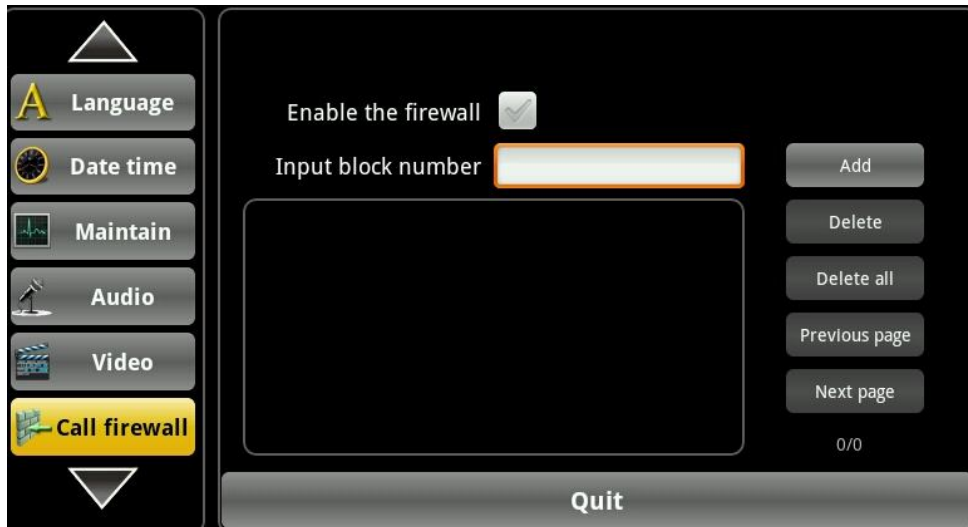


**Bandwidth interface**

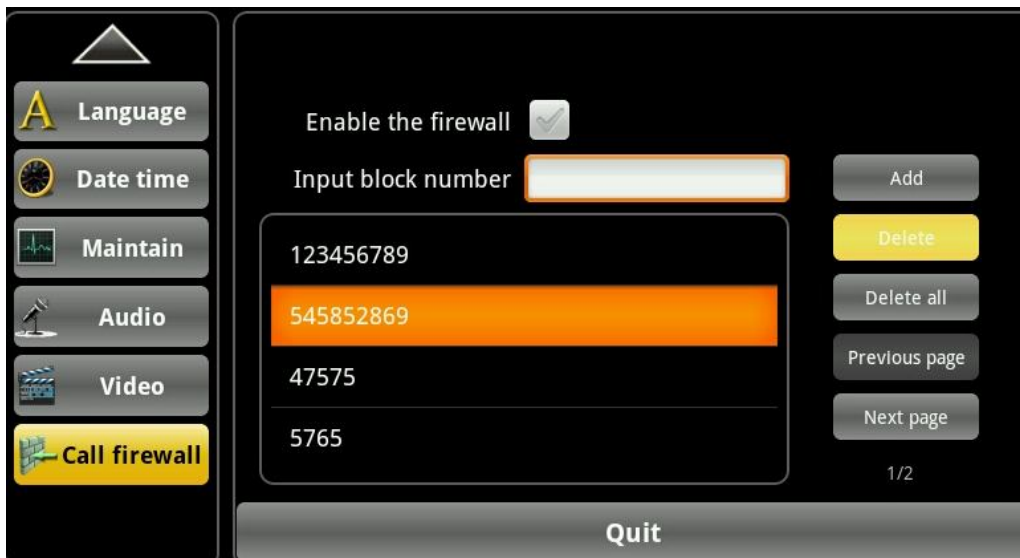
Configuration item	Meaning
<b>Bandwidth</b>	<p><b>Media Bandwidth:</b> Set receiving video bandwidth in video calls. You can choose 9 kinds of video bandwidth types ("64Kbps", "192Kbps", "256Kbps", "384Kbps", "512Kbps", "768Kbps", "1Mbps", "1.6Mbps", or "2Mbps").</p> <p><b>Video Resolution:</b> Set video encoding resolution in a video call. You can choose 3 types of video resolution ("QCIF (176*144)", "CIF (352*288)", "VGA "or "4CIF (704*576)").</p> <p><b>Note:</b> When you select the Media Bandwidth is less than 768Kbps, the 4CIF will be disappeared. But if you select the Media Bandwidth is more than 768Kbps, the VGA resolution will appear. It depends on your bandwidth.</p>

### 3.12 Call firewall

Tap "Setting" ----> "Call firewall" interface.



**Call firewall interface**



**Delete selected status interface**

Configuration item	Meaning
<p><b>Call firewall</b></p>	<p><b>Enable the firewall:</b> Whether to enable the firewall. After enabling the function, there will be a notification note in the status bar. When a number is added to the firewall, the telephone will automatically reject all incoming calls of this number, at the same time there won't be any note.</p> <p><b>Input block number:</b> Input the number you want to add to the call firewall.</p> <p><b>Add:</b> Add the number into "Call firewall".</p> <p><b>Delete:</b> Select one of telephone information, click the "delete" button to remove this number from the call firewall.</p> <p><b>Delete All:</b> Delete all phone number from the call</p>

	<p>firewall.</p> <p><b>Next page:</b> When the "Call firewall" number is more than one page, you can tap "Next page" button.</p> <p><b>Previous page:</b> When the number you added is more than one page and then you can tap "Previous page" button.</p> <p><b>M/N:</b> M represents the current number of pages; N represents the total number of pages.</p>
--	---

## 4 Phone Application

### 4.1 Phone



This terminal support VoIP communication.

#### Dialing

##### ➤ Dialing on the dialer view

You can directly dial a phone number.

1. Press the phone icon in the launcher.
2. Select the line to dialing (SIP1, SIP2, SIP3, SIP4) .
3. Enter telephone number on the keypad, if it is wrong, you can select



to delete. If you want to delete the entire input, please long press



4. To make a call, perform the following steps:
5. Enter the full number, tap the "Audio" or "Video" button; In the talking

state, the icon  will be shown.

##### ➤ Use the memory key

1. Press the "**Memory key**" icon in the launcher.
2. Tap the contact you want to call and tap "**OK**" button or double-click the



button to call the contact;

3. Tap the "**Video**" or "**Audio**" button to dial.

➤ **Use the call logs**


1. Press the "Phone" icon in the launcher.

2. Tap the "Call logs" tab, select the number you want to call, when the content is larger than one screen, use a finger sliding up and down the screen to view.

3. Tap the audio call button  or video call button  on the right, and select a line to dial (SIP1, SIP2, SIP3, and SIP4).

You can also use the Redial key. In the dialer view or the standby, press the Redial key will dial the call logs number in the last breath.

➤ **Use the contacts**

Touch the Contacts icon  in the launcher, or enter the dialer view, tap the "Contacts" tab, select a contact you want to call, a context menu will be shown, select the "Call contact" and select a line to dial.

➤ **User the Line key**

You can select the Line key on the key board of the phone to call directly.

1. Choose one Line key, like Line2. (Note: Line2 has registered)

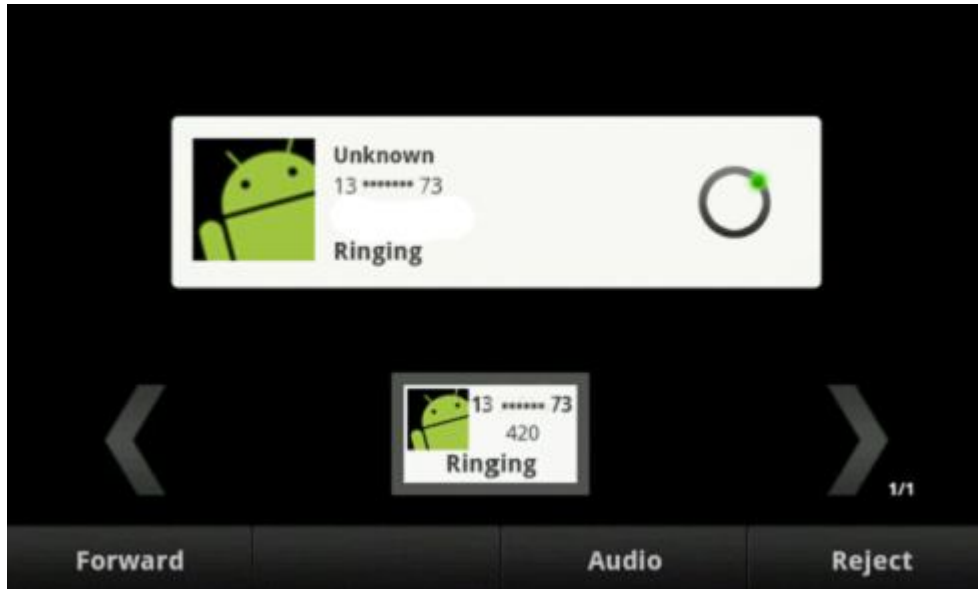
2. Enter the dial interface, input the phone number or click the Memory Key to choose which you want to dial.

3. Select Audio or Video to call.

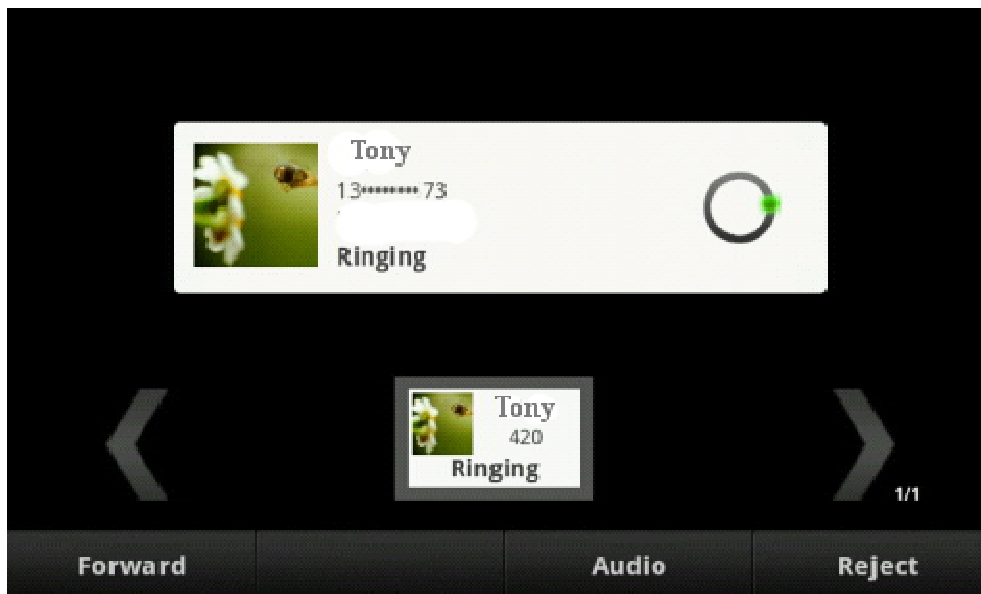
## **Answer the ringing**

1. When you receive a call from the contact occurs when talking views displays the caller's local picture, name, phone number and location as shown in Figure:

2. When you receive an incoming call that is not from a stored contact, the call will appear on the screen of default contact picture, phone numbers and the location (need to be opened in the Call settings), the name will be displayed as Unknown.



**Ringing view (Unknown contact)**



**Ringing view (Known contact)**

3. In the ringing view, you can choose "forward", "Video", "Audio" or "Reject", just press the corresponding button or the soft key to choose.

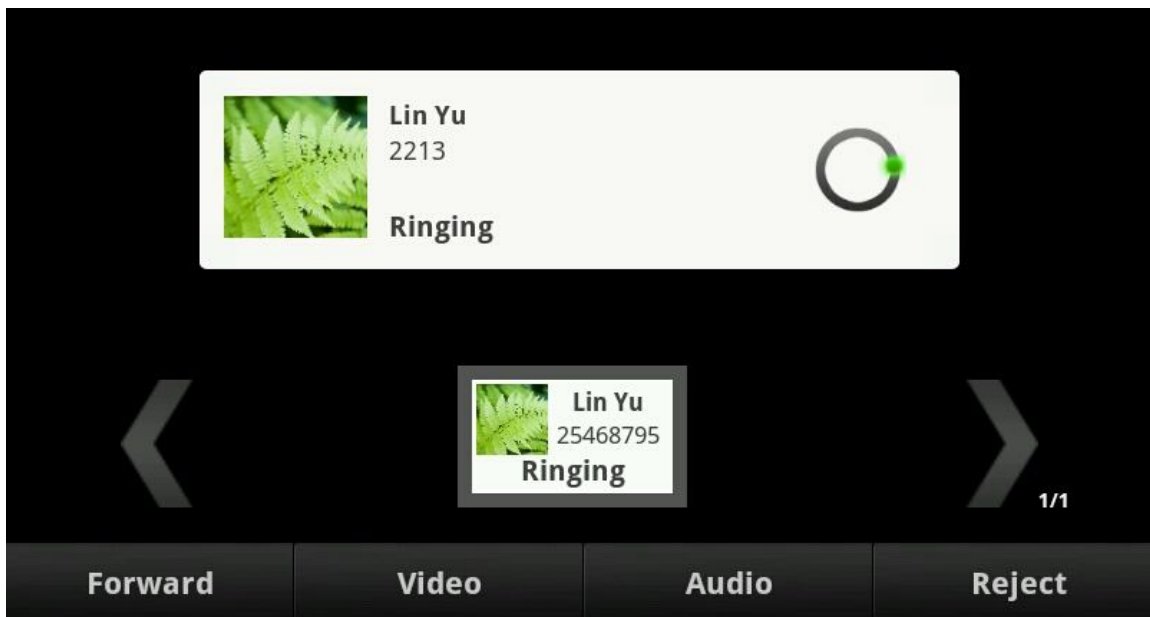
## Call options

### ➤ Video call

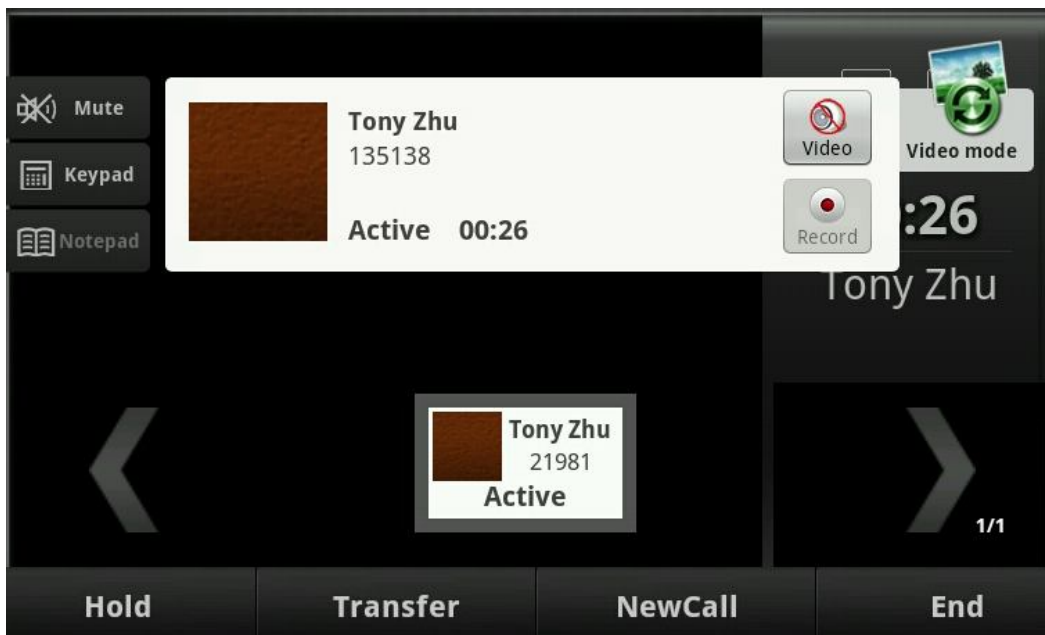
You can make a video call by the following way:

1. If the remote terminal supports video calls, you can tap the "Video" button to start the video call.








**Video calling interface**






**Video talking interface**


2. Tap the video button  to start a video invite in the audio talking, waiting for the "Accept" of the others to enter the video call.
3. When you receive a remote video invite in the audio talking, tap the "Accept" button to enter the video call.
4. In the video talking, press button  to switch the different views of video.
5. If you want to go back to the audio talking, tap the button .

**Note:**

**If you want to enter the three-ways conference from video talking, the video will be stopped first. The conference cannot support video call.**

➤ **Call recording**

You can press the button  to record the talking, the view  will be shown, and the record button will turn .



Press the button  to stop recording. The record file will be shown in the "Talking record" content of the Record application.

➤ **Hold/resume the call**

During the talking, tap the "Hold" button to hold the current call, then we cannot hear each other. The state "Holding" will be shown in the current contact card, you can tap the "Resume" button to resume the call.

But when you are in the talking interface, the remote phone press the **Hold** button, your phone will be **held**, at this time, you cannot **resume**, just wait the remote phone to press **resume**, then your screen appears the **active**, now you can talk again.

➤ **Call mute**

During the talking, you can tap the button  or the **Mute** key to mute the call, then the remote cannot hear your voice, but you can hear it's. The button will turn  in the mute state; tap again will recover the talking.

➤ **Attended transfer**

You can complete the Attended transfer by the following ways:

Now you have a call.

1. Press the "Transfer" button, input the third number and select **Video** or **Audio** to dial, tap the "Send" button to complete the attended transfer after remove answered.
2. If there are two or more talking calls, tap the "Transfer" button and select the attended number to Complete attended transfer.
3. When the third party pick up the call, then you can hang up.

➤ **Blind transfer**

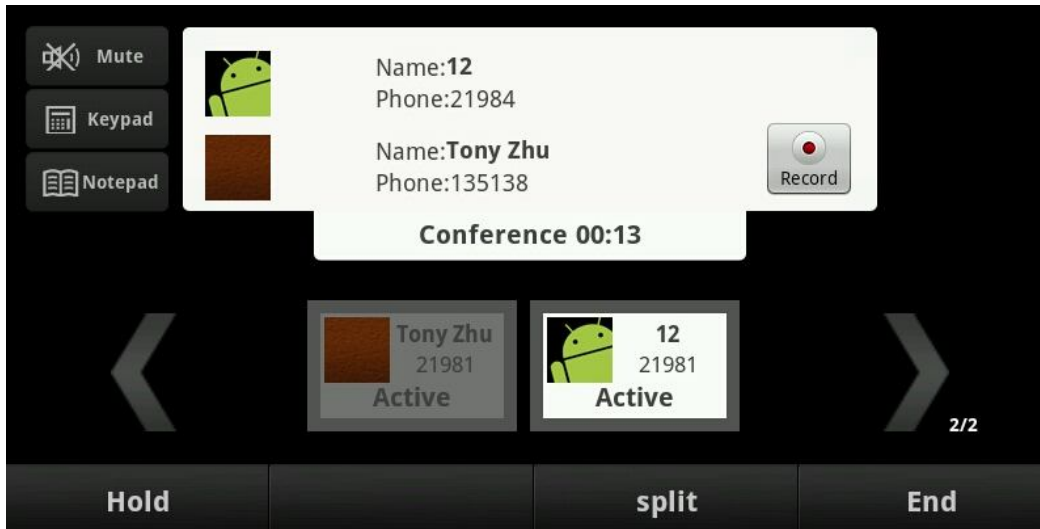
Now you have a call.

1. Press the "Transfer" button, input the third number;
2. Tap "Transfer" to transfer the current call to the third one.;
3. Hang up the phone directly.

### ➤ Three-ways conference

If there are two or more talking calls, tap the "Conference" button and select a number to enter the three-ways conference with the current call.

The figure:



### ➤ Multi-line calls

This phone supports multi-line calls. When there are two or more calls, you can tap "Transfer" or "Conference" button and select "New call" to make a new call, and it can support up ten calls exists at the same time. The current talking will be highlight shown. You can press the small contact card of the other call and resume it. And you can also press **split** to stop three-ways conference.

### Voicemail

Go to "Settings"—"Call"—"Account", input the voicemail number in the **Voicemail** form. If it is no answer when ringing, the call will enter to the voicemail. And the status bar will show the tip to tell you there have unread voicemail.

You can dial the voicemail number to listen to the messages.



## 4.2 Contacts






Telephone contact address book. A contact can store more than one number, email and house information.

## Search contacts

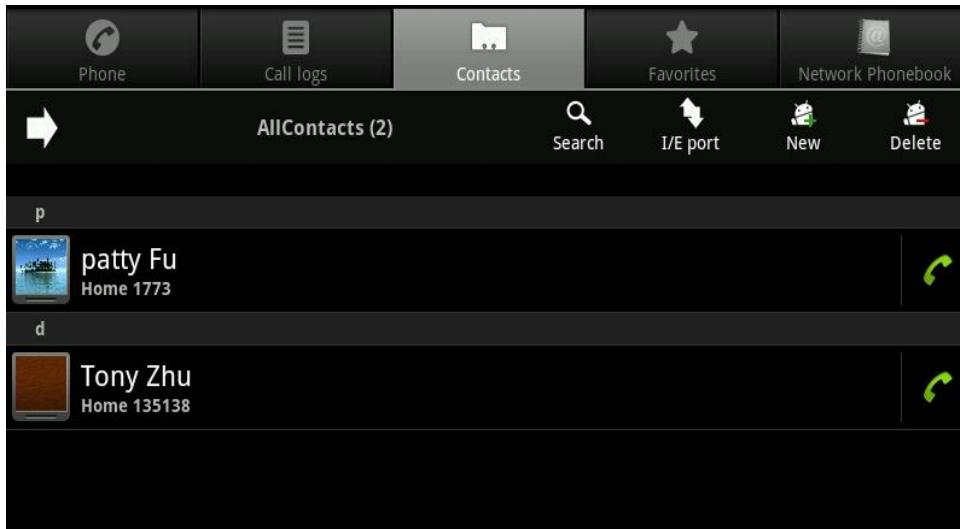
You can search the contacts on the phone by the contacts' first letter (Chinese names are searched by its first letter of the alphabets).

1. Tap the contacts button;
2. Tap the "Search" button, or press  , then tap the search button  , input the name of the contact you are searching for.  
As you type, contacts with matching names appear below the search box. For example, the contact name is Dlink, and number is 123456, then input D in the search box, you will see Dlink in the search box. When more than one message matches your input, all will be displayed.
3. Contacts with matching names may appear below the search box when you are typing in. For example, you have the contact with name "Dlink" and number 123456. You will see "Dlink" below the search box after you have inputted "D". It will display more than one message if more names match with the letter "D".
4. Tap the correct contact in the list to open its detail.

## New contact

1. Tap the contacts button.
2. Tap the "New" button or press Menu  and tap **New contact** button.
3. Add a picture for a contact. Tap  into the picture selection interface to select photos in your list of photos when editing contacts. It will automatically return to the editing interface after you save it. If you want to change the picture, tap the Contacts icon to select "use this photo", "delete the icon" or "change the icon".
4. In the given and family name field, input the contact's given and family name, and then add the contact's phone, e-mail and other information. Tap a category's plus button  to add the other item options in every application.  
For example, you can add both work and home numbers by pressing this button.
5. When you have finished it, tap **Done** button.

**Figure:**



**Contacts interface 1**





**Contacts interface 2**

**Delete a contact**

**Two methods:**

**Method one:**

1. Tap "Contacts" button.
2. Tap the "Delete" or press  and tap "Delete Manager".
3. Select the contact you want to delete, and then tap the "Picture Trash" to delete or you can bulk delete, by tapping the right button of the contact you

want to delete , to make the state checked just as  .


4. Press "Menu" button  and tap "Delete selected" button .If you want to delete all, press "Menu" button  and tap "Select All", all contacts

will be checked, then press "Menu" button  and tap Delete selected.

### **Method two:**

1. Long press one "Contact", then the contacts edit list will be popped up. You can just tap "Delete contact".
2. Then a selection box will be popped up and you can click "OK" to delete or tap "Cancel" to return to the contact interface.

### **Set a ringtone for a contact**

1. Tap "Contacts" button.
2. Tap the name of a contact in the list.
3. Press "Menu"  and tap "Options".
4. Tap "Ringtones" and select the ringtone that you want in the pop-up box.
5. Tap "OK" button. When the contact calls you, it will play the ringtone just set.



### **Add contacts to the firewall**

1. Tap "Contacts" button.
2. Long press the name of a contact and select "Add to firewall", then you can reject all calls about that number. (Please make sure that the Firewall is enabled)

### **Add a contact to your favorites**


You can add contacts to your favorites, so that it will be convenient for you to contact them.

1. Tap "Contacts" button.
2. You can add the contact to your favorite just by tapping the star icon

 on the right until it turns to . You can also long press one contact and tap "Add to favorites" in the prompting box.

### **Set a default phone number for the contact**


When a contact has more than one phone number, it will not be convenient for you to call him/her, so you can set a default phone number to solve this problem.

1. Tap "Contacts" button.
2. Tap the name of a contact in the list that you want to set a default phone number for it.
3. The view will display many numbers of this contact. Long tap the number you want to set as the default phone number and select "Make default number" in the prompt box. Then the default phone number is marked with a checkmark .

Later to make a call through the contacts, you can call directly the default number just set.


## Import/export contacts

Our Phone Book support three kinds of files to import or export. They are: xxx.vcf file, xxx.xml file and xxx.csv file.


1. Tap "Contacts", and then tap the "I/E port" button or press menu key .  
Then select the "Import/Export" label, you can choose to import or export at the option box "Import/Export contacts".
2. Import: You can select the way to import (from SD card or USB) from the option box "Import/Export contacts". Choose to import one, multiple or all **vCard** or **xml** or **csv** files in the following option box, and then select the file which you want to import.
3. Export: You can select the way to export (to SD card or USB) from the option box "Import/Export contacts" if there are some contacts in the "Contacts". Press "OK" to export the file in the option box "Confirm export". The file will be named by the current time and stored at root directory of USB or SD card. Then you can enter to the **File Manager** to find the file.

## Contacts Group



You can add contacts to a group specified, and then you can easily send a message to all members of the group.



Tap  to switch to Contacts group interface (You can also switch to the full screen).

### ➤ New Group

1. Touch "New Group".
2. Input the new group name then touch "OK".
3. If the Contact group list is too long, you can tap  to scan the group quickly.

### ➤ Edit Group

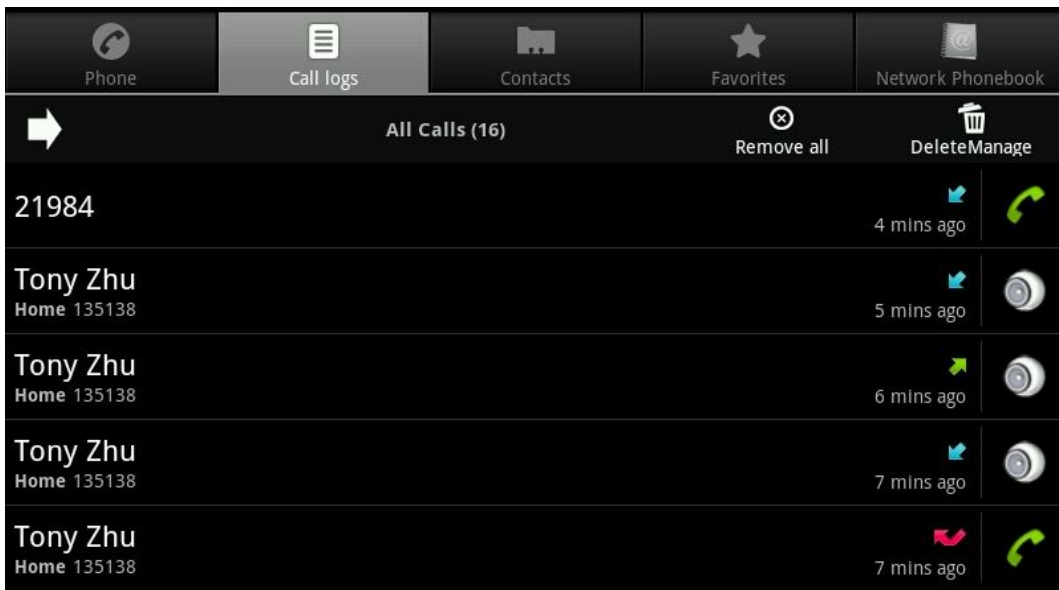
1. Long press one group, you can select "Modify Group Name", "Add Group Member", "Remove Group Member", "Add Group Member Ringtone" and "Delete Group";
2. Tap "Modify Group Name", you can rename the group.
3. Tap "Add Group Member", you can select the contact you want to add, and then click the "Add" button to save.
4. Tap "Remove Group Member", then click the , when the icon turns to , select "Remove".
5. Tap "Add Group Member Ringtone", select the ringtone you like, then click "OK" button.
6. Tap "Delete Group", you can delete the current group; if you want to

delete many groups , you can tap the Del Group to select groups to delete, when the  turns to , then select “ Delete”.

### 4.3 Call logs

The Call logs are a list of all the calls you’ve dialed, received, or missed. It offers a convenient way for you to redial a number, call back, or add a number to your contacts.

**The figure:**







**Interface of all calls 1**



**Interface of all calls 2**





### To view missed calls

When you have some missed calls, the status bar will show us the missed call icon , open notification panel and touch "Missed call" to view all of the missed call. Open Call logs you can tap  or have the Phone /Contacts tab opened, and then touch the Call logs tab. The recent call records are displayed. The missed call would be marked with icon . You can also press Menu key  and touch "Missed Calls" to view all missed calls.


### Other actions on a Call logs record

In the call logs interface, you can touch a Call logs record to open an option box where you can call the contact again, send the contact a message, add the number to your Contacts, and learn more about the original call.

Tap , the left of the screen will display "All calls", "InComing Calls", "OutGoing Calls" and "Missed Calls", or you can press Menu key  and touch "Incoming Calls", "Outgoing Calls, Missed Calls", and "All Calls" to view the type you selected.


### Other actions on a Call logs entry

In the call logs interface, you can touch a Call logs to open an option box where you can call the contact again, send the contact a message, add the number to your Contacts, and learn more about the original call.



Press "Menu" key  and touch "Incoming Calls", "Outgoing Calls, Missed Calls", and "All Calls" to view the type you selected.

### Working with the Call logs

#### Delete the Call logs

1. Remove one: Touch the record then touch "Remove from call log" in the box that opens. You can remove it which you selected from call logs.
2. Clear by type: Tap the **Delete Manager** button, you can select the call logs that you want to delete; you can also select "Remove all" to clear all call logs; or you can press "Menu" key  and touch "Clear call logs", you can select one or more types you want to clear. When it is finished, touch "OK".

#### Dial a number in the Call logs

1. Touch the icon  or  at the right of the record, then select a line and touch "OK".
2. Touch the call logs to open a menu with options for communicating with that contact in other ways.

3. Long touch the call logs to open a menu with options then touch "Call \*\*\*" or touch "Edit" number before call, it will open the dial-up interface. You can call the number which you edit and select from call logs.

#### **Add a record's number to your Contacts**

1. Touch one call logs. Touch "Add to contacts" in the menu that opens, in the list of contacts that opens, touch "Create new contact" at the top, or scroll to find an existing contact which you want to add the number to.

2. Long touch one call logs. Touch "Add to contacts" in the menu that opens, in the list of contacts that opens, touch "Create new contact" at the top, or scroll to find an existing contact which you want to add the number to.

#### **Add an entry's number to call firewall:**

Long touch the record. Touch Add to call firewall in the menu that opens. If you enable the firewall function calls, the call will be denied access.

## 4.4 Memory Key



You can pre-set Memory Key buttons for quick dial, and select the **Subscribe** mode. None , BLF or Presence mode.

**None is the normal mode.**

#### **View Memory Key Information**

Touch "Memory Key", the terminal will display the current Memory Key information interface 16; the default button on the display is empty. You can tap the screen at the top of the "1, 2, 3" to switch to another interface.

Memory Key can be set to a total 48 Memory Key information. If you configure the Memory Key, then the corresponding button on the display you configure the number corresponding to the name.

You can also use the navigation keys on the terminal to view the configured Memory Key button, orange background that the currently selected Memory Key button.

**The figure:**



## Memory Key Management

### ➤ Editing Memory Key

Open your "Memory Key", touch & hold a null button, then touch "Edit". Add a contact name, number, call the line (SIP1/2/3/4), and call type (video / voice). When you are finished, touch "OK".

### ➤ Deleting Memory Key

Open your "Memory Key", touch & hold the button you want to delete, then touch "Delete". When you are finished, touch "OK".

### ➤ Dialing With Memory Key:

Open your "Memory Key", touch & hold the button you want to dial, then touch "Dial".

**The figure:**



### ➤ **Select BLF mode:**

BLF is also called “Busy lamp field”, and it is used to prompt the user to pay attention to the state of the object than has been subscribed, and used to cooperate with the server to pick up the phone call. You can configure the button for Busy Lamp Field (BLF) which allows you to monitor the status (idle, ringing, or busy) of other SIP account. User can dial out on a BLF configured key. Please refer to “LED Instruction” for more detail about the LED status in different situation.

When you want to monitor the status of other’s number, you can set the BLF mode to check.

1. First set your phone number for SIP1(Now if you want to use the number of SIP1 to monitor );
2. Now set the number that you want to monitor on the Memory Key list.  
Select SIP1 and select the BLF.
3. Tap **OK** to save the configuration, now you will see the number you have just set. Upper the number you can see a picture of lamp.

**Now look at the color of the monitored number:**

Lamp color	Status
Grey	Offline
Green	Online, IDLE
Yellow	Ring
Red	Using, Inuse

### ➤ **Set Presence mode:**


Presence is called present, and compared to the BLF, it can also check whether object on-line.

## 4.5 Network Phonebook

Android IP Video Phone DPH-850S terminal can download contacts from the Internet where the information stored by the users. If you use Network Phonebook, you can follow these steps:

1. Configure parameters related to the network phonebook in settings.  
Tap "Cotacts"----> "network phonebook".

2. Use the Network Phonebook

Enter your Network Phonebook interface, press "Menu" button  and tap "Add Accounts". Terminal will pop-up a Basic Setting list.

<b>Basic Setting</b>	
<b>Configuration</b>	<b>Meaning</b>
<b>Account</b>	The name of your network phonebook. It will display on the screen.
<b>Protocol Type</b>	Support HTTP/FTP/TFTP/LDAP server.
<b>Server</b>	The address of your HTTP/FTP/TFTP/LDAP server.
<b>Port</b>	The port of the HTTP/FTP/TFTP/LDAP server
<b>File Name</b>	Name of the update file where you put in the ServerDirectory.
<b>User Name</b>	When your server need authentication, you need to fill it. It's server's username.
<b>Password</b>	When your server need authentication, you need to fill it. It's server's password.
<b>Note: When you use LDAP to download the network phonebook, it will appear the follow steps.</b>	
<b>Profile</b>	
<b>Host</b>	LDAP server's host.
<b>Port</b>	LDAP server's port.
<b>Base DN</b>	You can just click "Fetch base DN's" to get the "Base DN".
<b>Use secure connection(SSL)</b>	Enable it can make the operational process more safely.
<b>Credentials</b>	
<b>Anonymous</b>	Enable/Disable anonymous.
<b>Mechanisms</b>	Simple and DIGEST-MD5.
<b>Principal</b>	Input the authentication name of LDAP server.
<b>Password</b>	Input the authentication password of LDAP server.

For example:

1. **Account:** Input what you want. Such as **My colleague**. So your network phone book's name is my colleague.
2. **Protocol Type:** Use LDAP. Click "OK" to the **Profile list**.

**Note:** If you select HTTP or TFTP server, you need not input User Name and Password. But FTP server need them.

3. Input the Host, such as 192.168.1.206, Port is default, then click **Fetch base DN's**, as this time, if you enable **Use secure connections (SSL)**, the Port will change. Click **Next** to the **Credentials list**.
4. Disable **Anonymous**, then you should select Mechanisms, Principal and Password. Such as : Select Simple; Principal: adminroot.  
Password: admin or you can enable **Anonymous**, then click **OK**.  
The screen will appear the **Account** that you have filled----**My colleague**.

You can long press **My colleague** to Edit or Delete the User.


5. Click My colleague to look up.

6. Now you can long press a contact to make a call or send messages and so on.

## 4.6 MWI





Easily view voice messages, quickly listen in voice messages.

Touch the MWI icon  on the home screen or in the Launcher, you can view voice messages information.

### ➤ Set the number to listen in voice messages

Touch "Settings" ----> "Call settings" ----> "Voicemail", open voice mail settings screen, then touch "Number to dial for checking voicemail", enter the number to listen in voice messages.

### ➤ View and Listen in voice messages

On the MWI screen, you can view count of unread voice messages and count of read messages when there were voice messages, and touch listen icon  corresponding line to listen in voice message. If you do not set the number to listen in voice messages, touch  will open a dialog to open voice mail settings screen or enter numbers in the dial pad to dial.

### Attachment:

When there is a new voice message, you can touch new voice message notification on status bar to open MWI screen. Click dial the voicemail number to listen to the message.

## 4.7 Multi-line operation

Multi-line is to satisfy the multi-way call queuing of some enterprise, that is a SIP line can accommodate multiple calls, the user can have the option of a call to operate. A SIP line on this phone most can accommodate ten way SIP calls, and if there is a call in the call status, other calls will be put on hold.

When in called, you can click on the soft key "New Call" in call interface to make a new call. If the existing call is no more than ten, when there is a new

call, you can answer the new call by off-hook, press the "Speaker" key, tap the "Audio" or "Video" key to answer new calls. You can achieve to switch multiple calls by clicking the small card in call interface to cooperate with four keys below.

Multi-line operate also can be achieved by one SIP line mapping for multiple lines.

## 5 Other Application

### 5.1 Email



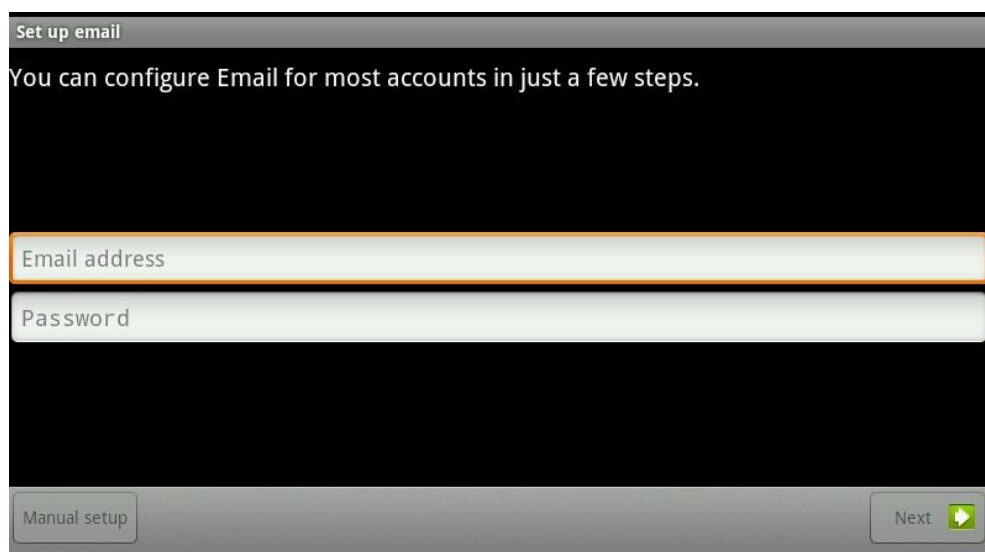
Press the E-mail, the phone will skip to the email interface. The first time used to configure users a usable account and user name.

As shown in the following image:

Click next, and you will enter the interface of account type selecting. You can choose among the following three options: POP3, IMAP and Exchange. Introduction to the configuration of Exchange:

#### Gmail account

In the Contact interface, you can press **menu** and select "more"----> "account" ----> "add account" (You can also directly tap "Email" application to enter the interface );




Input your user name and password, and then click on the "Next";

Domain\Username: gmail.com\username (\*\*@gmail.com);  
Password: Input your password;  
Exchange server: m.google.com.

### QQ account

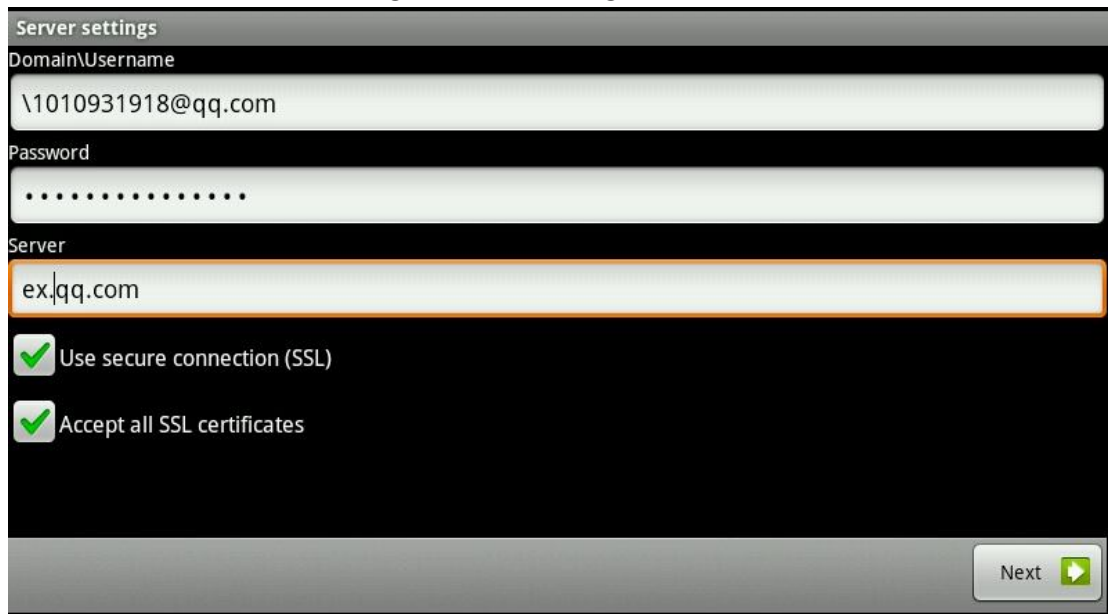
Log on QQ mailbox in web page, you can click "Settings" ----> "experience room" "Exchange mobile terminal synchronization service" ----> "I want to open";

In the Contact interface you can press  and select "more" ---->"account" ----> "add account" (or you can directly tap "Email" application to enter);  
Input your QQ user name and password, and then click on the "Next";

Domain\Username : gmail.com\username (\*\*@gmail.com) ;

Password: Input your password;  
Exchange server: ex.qq.com.

Click "Next" to the Exchange server Settings.



Server settings

Domain\Username

\1010931918@qq.com

Password


.....

Server

ex.qq.com

Use secure connection (SSL)

Accept all SSL certificates

Next 

After the completion of the configuration, you can click "Next" to the interface of account options;

In the interface you can choose "Email checking frequency". It contains "Automatic (Push)", "Never", "Every 5 minutes", " Every 10 minutes", " Every 15 minutes", " Every 30 minutes" and " Per hour" and so on. You can also choose "Amount to synchronize". It contains "One day", "Three days", "One week", "Two weeks" or "One month". And you can decide whether to enable "Send email from this account by default", "Notify me when email arrives" or "Sync contact from this account".

Click "next" to enter the interface of account names setting, you can set "Give this account a name (optional)" and "Your name (display on outgoing message)".



Click "Done", then you can go directly to the inbox interface to view mails.

In the Inbox interface, you can press , and then choose "Refresh", "Compose", "Folders", "Accounts" or "Account settings".

The "Folders" contains "Inbox", "Drafts", "Outbox", and "sent", "Trash" and so on.

Click on the "Accounts," you can go into the current account interface, and then press the menu key, you will see "add account" screen. You can add a new account there.

Long press an email, it will pop up a tip box in which you can choose "Open", "Delete", "Forward", "Reply all" or "Reply" for operation.

"Account settings" which has been mentioned groups all the Settings together. We will not repeat it here.

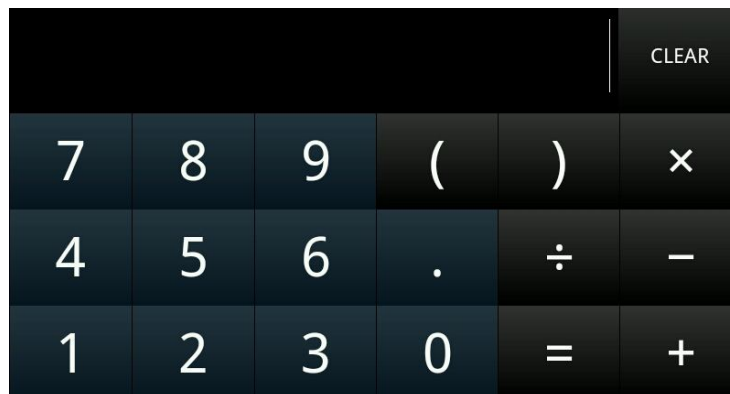
## 5.2 Calculator



### The use of the calculator

You can touch the numbers and functions of the "calculator", just like the use of a standard calculator. If you touch the buttons of addition, subtraction, multiplication, and division, the display window will show you the corresponding operation symbols. So you can know the operations to perform.

### The Basic panel

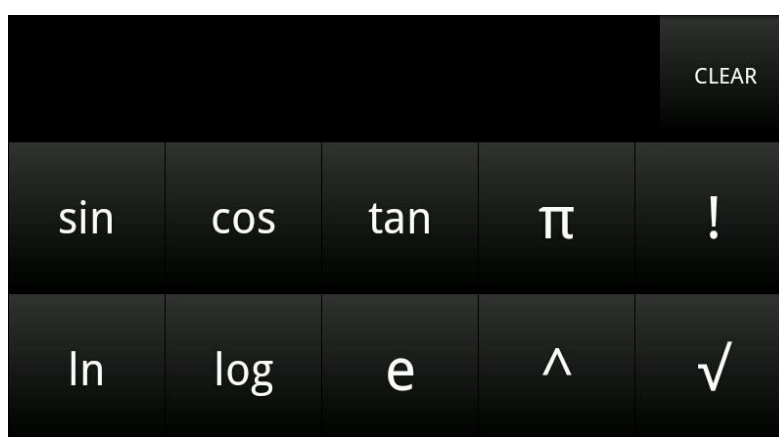


Touch "Calculator" to enter the basic panel.

The basic panel includes the most basic functions of the electronic calculators, which are very simple and practical, such as addition, subtraction, multiplication, and division.

### The Advanced panel

Figure:




In the basic panel, you can enter the "advanced panel" either by selecting the "advanced panel" after touching the "menu" button, or sliding your single finger from right to left; In the advanced panel, you can return to the "basic panel" either by selecting the "basic panel" after touching the "menu" button, or sliding your single finger from left to right.

sin, cos, tan	To calculate a numerical value of trigonometric function(sin, cos, tan)
$\pi$	To input the value of $\pi$ .
!	To calculate the factorial of a numeric.
ln	To calculate the natural logarithm of a numeric.
log	To calculate the logarithm of a numeric.
e	To input the value of e.
^	To calculate the n exponent of a numeric.
√	To calculate the square root of a numeric.

#### **View history**

After opening the calculator, you can check the historical data that have been operated by touching the up and down navigation keys.

#### **Clear history**

After opening the calculator, you can press the "menu" button  and then select "clear history" to clear all of the historical data saved before.

#### **Edit text**

When entering text, you can select one input method after long pressing the input box. If there is text in the input box already, you can choose the following operations in the pop-up window: "Select all", "Select text", "Cut all", "and Copy all", "Input method".

#### **Exit calculator**

By pressing the "return" key, you can exit and close calculator application.


## 5.3 Note pad



You can write down a memo for checking at any time.

### **Add a memo record**

You can either touch "Add note", or select the "Add note" after touching the

"menu" button  to enter the interface of "edit notepad". You can enter the information that you want to record. The memo will be saved if you touch the return key. If you select "Discard", the memo you have written will not be saved. Then you will exit from the edit interface. As shown in the following figure:


Besides, you can touch the icon of the notepad to enter the interface of editing where you can add a memo needed.

### **View a memo**

You can check a memo by touching it after opening the notepad.

### **Edit the title of a memo**

Firstly, you need to touch "Note pad "and choose the title needed to be

modified. Secondly, you should press "menu" button  and choose "Edit the title" in the in the pop-up dialog box. Lastly, you should click "Yes" to save the new title and exit from the "Edit the title" window.

Besides, you can touch the "menu" button in the text editing screen at first, and select "Edit title". Then do the above operations.

### **Delete a memo**

You need to touch "Note pad "and choose the memo that you want to delete .Then you can delete it if you touch the "menu" button and select "Delete".

Besides, you can delete a memo by choosing "delete" in the pop-up window after long-pressing on the memo.

### **Closed notepad**

By touching the return key, you can exit the notepad.

## 5.4 Browser




You can surf and browse web with the terminal just like using a computer. The default home page is Google search home page; you can change it by setting.


### Open web

For the first time, please touch "Browser" and go into the page, the default home page is Google search home page. If you have changed it, it will jump into the home page which is set. The pre-installed browser of android operation system does not have the feature of auto-exit. When you go into the browser once again, it may be the last interface before you tap the return key.

### Input the website

You can directly input the website you want to scan at the address bar, and then tap "Go" or  to search in the input box.

If the contents of the webpage are too many, you can quickly click the screen twice, and then it will zoom in or zoom out.

When you press the  button on the phone, it will show you all functions of the browser.

If you click "More", it will show you other functions.

If you click "setting", you can set the browser more detailed.

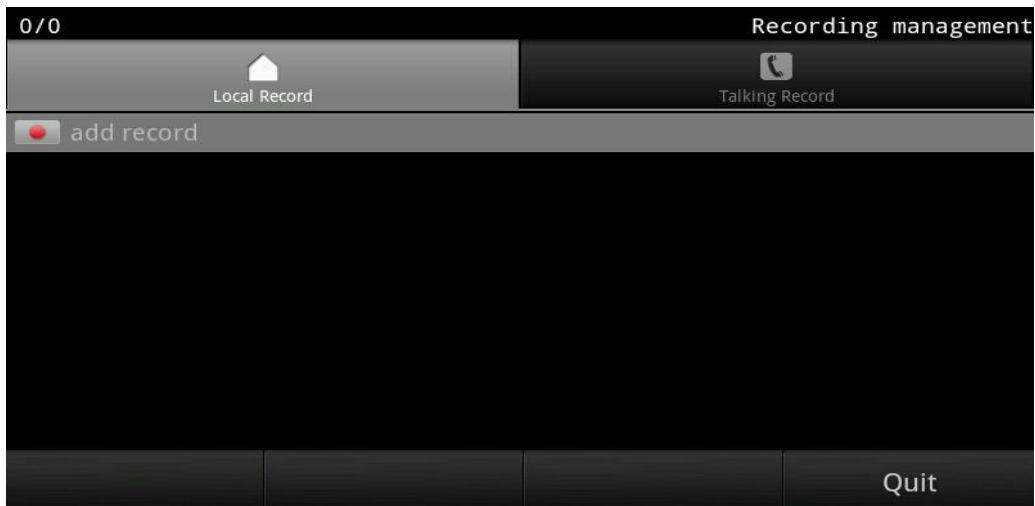
## 5.5 Recorder



You can record at any time and at any place.

Tap "Recorder" to open the recorder application.

The recording documents mainly include "Local Record" and "Talking Record".



You can tap "Recorder" application to make local record or you can make talking record when you have a call.

### **Add record**

You can enter the interface of recording, if you touch "Add a recording" in the recorder window. Then, you can tap the "Record" button to start recording. If it is finished, you can tap the "Stop" button to stop. The user can choose "Yes" to save it or choose "Cancel" to discard it in the pop-up dialog box. As shown in the following figure:

### **Play the records**

Firstly, you should use the navigation key up and down button to select a sound recording. And then, you need to touch "Play" button to go into the playing interface. At last, you should touch "Play" to start. Besides you can touch "Pause" to stop playing temporarily. In this way, you can realize the switch between playing and pausing.

You can also directly tap a recording document in your single finger to go into the playing interface and to play the document.

### **Delete the records**

Firstly, you should use the up and down navigation button to select a recording documents, and then you just need to touch the "Delete" button to delete the selected documents.

### **Backup the records**

When you plug in an external device, you can see the tape "backup" option on the screen. Please touch "backup" and select the recording document needed to be backed, and then touch "OK" to start. You can also touch "Cancel" button to cancel the backup.

### **Close the Recorder**

You can exit and turn off the recorder either by touching the return key or click "Quit".

## 5.6 Digital clock




By using the digital clock, you can know the date and time more easily. Digital clock supports desktop widget; it is showed on the idle screen by default.

It shows the date and the time.

## 5.7 Alarm Clock



Open the Alarm Clock application. By pressing , you can choose "Add alarm", "Hide clock" or "Settings". If you select "Add alarm", then you can set "Time", "Ringtone", "Repeat", and "Label".

"Time" is the alarm time that needs you to set.

"Ringtone" is the alarm's music.

"Repeat" is that you can set the repeated days you want.

"Label" is the tips you set.

If you select "Hide clock", then the icon of the clock will disappear, you can also select "Show clock" to make it appear.

If you select "Settings", then you can enter the advanced settings interface.

It includes:

"Alarm in silent mod": Whether to play alarm even when the phone is in silent mode;

"Alarm volume": Set the volume of alarms;

"Snooze duration": Select the snooze duration.

## 5.8 Gallery



You can browse photos and videos easily.

### Browse Pictures

Tap "Gallery" application, open a gallery album, press "Option" key, select "Slideshow", then the screen will display the pictures in the form of slide mode.

You can also manually view each picture by sliding the screen from left to right or click the left (right) arrow on the screen.


### General Settings

Configuration item	Meaning
Display size	Select the display size of pictures and videos.
Sort order	Select the sort order of pictures and videos.
Confirm deletions	Show confirmation before deleting a picture or video.


### Slideshow settings

Configuration item	Meaning
Slideshow interval	Select how long each slide displays in the show.
Slideshow transition	Select the effect used when moving from one slide to the next.
Repeat Slideshow	Play slideshow more than once.
Shuffle slideshow	Show pictures in random order.
Thumb slides	Play slideshow in thumb or full-size.

### Batch delete

In a file or directory, press  to select "Multiselect", and then select images or videos you want, click "Delete" or "Cancel", you can achieve batch delete or cancel your operation.

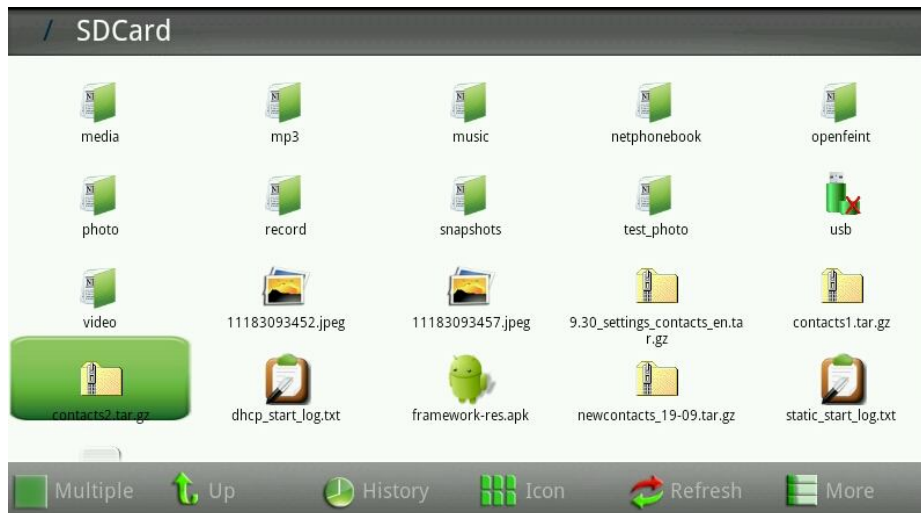
#### Note:

When you view the pictures, you can select "enlarge", "reduce", "Set as Contact icon or Wallpaper", or you can press  to choose "Rotate", "Delete", "Crop", "Set as", "Details", "More" to operate the picture.

## 5.9 File Manager



You can easily organize multiple files. The view of the File Manager as the Figure 1 and Figure 2 are as follows:



**Figure 1**



**Figure 2**

"Figure 1" is showing files as icon, "Figure 2" is showing files as a list, the form of the list will display the operation time of the file (need to be checked in the settings). Long press a file, you can select "Open", "Copy", "Cut", "Paste", "Delete", "Rename", "Select/Cancel" and "Properties" to operate.

By tapping the "Multiple" button, multiple files can be selected.

After your tapping on the "Up" button, it can return to the previous page.

After your tapping on the "History" button, it can show the resent historical of operations.



After your tapping on the "Icon/List" button, it will show files as different view. By tapping the "Refresh", you can refresh the view. By tapping the "More" button, you can do more operations such as "New Folder", "New File", "Paste", "Search", "APK Manager", "Settings", "Multiple/Cancel", and "Exit", as shown in the Figure 3:




**Figure 3**

**New Folder:** You can create a new folder.

**Paste:** Past the copied and cut file.

**Search:** You can choose "Case sensitive" or "Exact match" to search the files that match the input.

**APK Management:** Manage the applications. Follow the steps:

Tap "APK Manager"-->  --> you can select "All software, System software, User software or Refresh List"--> select one application--> pop up a list--> you can choose "Start Software, Uninstalling Software, Backup Software or Details", then you can know more details.

**Settings:** Click to enter the APK Backup Directory, select whether to "Hide prefix. File", "Display file size (list)" or "Show documents time (list)".

**Multiple:** Multichoice, when click it, you can select Multiple Files, then long press screen to open、copy、cut or do other operations.

**Exit:** Exit from the **FileManager** application.

## 5.10 Camera



You can take pictures at anytime.

### Photographs

Tap "camera", the phone screen will show camera interface, then tap the photo button of the lower right corner to take pictures, you can also enlarge on the image processing before taking pictures, in order to take the result.

In the photo window, users can also tap the "Menu" button, select the "Gallery", it is easy to view all the pictures in the gallery, including photographs that have been took.

### **Shooting Set**

The user can tap the "menu" button, select "Settings", enter the camera settings interface, and then you can save photos and conduct the picture quality settings.

### **Browse photos**

After taking the picture, you can tap the small photo icon of the upper right corner to view photos.

Users can use finger touch photos, it will shows "amplifier" and "narrow" buttons, the user can set the picture as wallpaper or contact icon through the "amplifier" or "narrow" button.

Tap the "Done" or return button to exit the photo view window.

### **Photo process**

Tap the "Menu" button when you view the photos, select "spin", you can rotate left or right, and it will be automatically saved; or select the "pruning", and then trim operation is completed, click "save "button to save, or click the "discard "button to unsaved.

### **Delete photos**

In the photo viewer window, lightly tap the upper right corner of the "delete" button; you can delete the corresponding photos.

### **Turn off the camera**

In the camera window, tap the "Back" button to exit and close the camera application.

## **5.11 Music**



It has high-quality sound, and you may enjoy listening to music in android IP video phone DPH-850S.

Tap "music" to open the application.

### **View music files**

You can view the music files in different statuses by tapping "Artists", "Albums", "Songs", "Playlists" and "Now playing".

### **Play music files**

Press menu button in the "Songs" interface; you can choose "Party shuffle", "Shuffle all" or "Play all" according to the different pop-up box.

Long press an artist in the "Artists" interface, then select "Play" in the pop-up box, you can play all the songs of this artist.

Long press an album in the "Albums" interface, then select "Play" in the

pop-up box, you can play all the songs of this album.

Long press a playlist in the "Playlists" interface, then select "Play" in the pop-up box, you can play all the songs of the playlist.

Long press a song in the "Songs" interface, then select "Play" in the pop-up box, then it can be played.

#### **Delete music files**

Long press an artist, an album or a song, then select "Delete" in the popup box, you can achieve the purpose of deleting music files. Pay attention to that the deleted files are permanently deleted and cannot be recovered.

#### **Search music files**

Long press a piece of music file, select the "Search" in the pop-up box, then select "Browser" or "Music" to search the music files.

#### **Make phone ringtone**

Long press a piece of song, select "Use as phone ringtone" in the pop-up box, it will set the song as the ringtone of phone.

#### **New playlist**

Tap "Now playing" to open the music player, then tap the playlist icon to enter the playing list. You can choose a song and long press it, choose "Add to playlist" in the pop-up box, and then choose "New". Then a new playlist will be created.

Or you can tap "Now playing" to open the music player, then press menu key, chooses "Add to playlist", and then choose "New playlist". Then a new playlist will be created.

#### **Add music to playlist**

Long press an artist, an album or a piece of song, and select "Add to playlist" in the pop-up box.

#### **Delete music file from playlist**

Enter the corresponding playlist, long press a piece of song file, select "Delete" in the pop-up box and the music will be deleted successfully.

Or you can tap "Now playing" to open the music player, then tap "Playlist" button, enter "Now playing" interface, long press a piece of song, and choose "delete from the playlist", then you have finished the purpose of deleting music file.

#### **Difference between the default playlist and the list of user-defined**

The default playlist can be only played or edited, but the user-defined can be played, deleted and or renamed.

#### **Music settings**

In the "Now playing" interface, you can set the play mode, including "Repeat off", "Repeat all songs" and "Repeat current song".

## 5.12 Calibration



Screen calibration uses the five calibration method. After using the phone a long time, there may be inaccurate, then set the "upper left", "upper right" and "left down" and "right down" and "middle" five icons through the screen calibration procedures to adjust the screen, and let the screen in a state of accurate.

Touch "Calibration" application, and input 123456 then you can start calibration.

## 5.13 Calendar



You can view the current "year, month, day" and "day of week" through the calendar, so it is convenient for you to arrange your daily routine.

## 5.14 PingBox



Check to see whether the network is connected successfully, so you can know the status of network connection better and faster. You can also capture the packet to analyze more information.

<b>Configuration item</b>	<b>Meaning</b>
<b>Ping</b>	Through the PingBox can check whether Internet unobstructed and connection are successful, etc, so as to know better and faster the network connection state. You can input IP address or domain name to test.

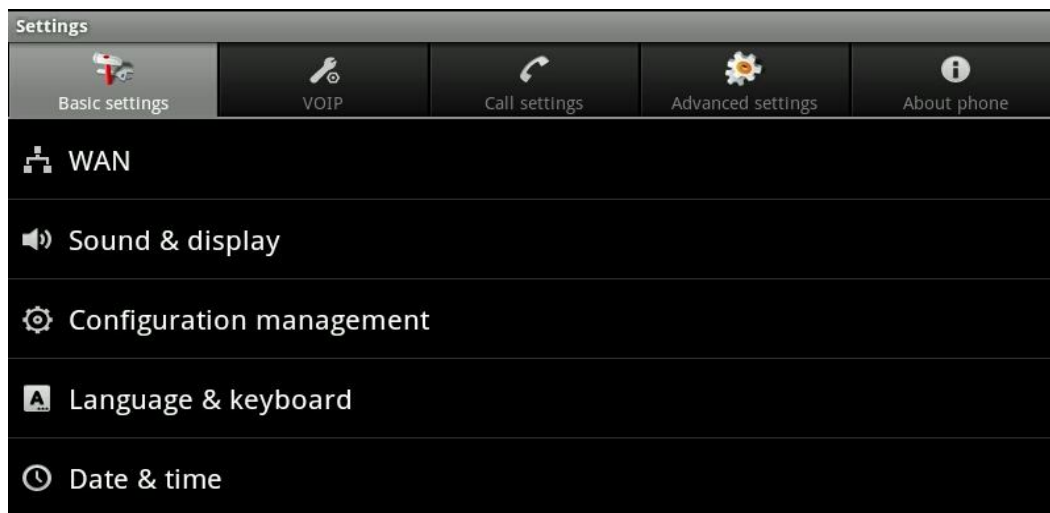
<b>Capture</b>	<p><b>Start:</b> Tap <b>Start</b> button, then will pop-up a list with Configuration parameters tips.</p> <p><b>Protocol Type:</b> Support <b>UDP ,TCP ,SIP ,HTTP</b> and <b>All of the eth0</b>. You Can select one protocol or multiple protocols.</p> <p><b>Save Path:</b> The default path is SD Card.</p>
<b>Log</b>	<p><b>Export System Log:</b> Select export path is SD Card or U disk.</p> <p><b>Export Event Log:</b> Select export path is SD Card or U disk.</p>

# 6 Android settings

## 6.1 Basic settings



Tap "Android settings" to enter android settings interface to configure.



### 6.1.1 WAN

Tap "Android settings", the default selection is " Basic settings", select "WAN" to switch to "WAN" interface.

Configuration item	Meaning
Status	Display telephone's Mode,IP,Netmask,Gateway,DNS and DNS2 that are using currently.

<p><b>Ethernet configuration</b></p>	<p><b>Network:</b> After enabling, the phone will try to connect network.</p> <p><b>Ethernet configuration:</b> Tap the <b>Ethernet configuration</b> button, it will pop up a "Configure Ethernet device" dialog, and then do the following configurations, after configuring, you can tap "OK" button to make settings take effect.</p> <p><b>DHCP:</b> Use DHCP to connect network.</p> <p><b>DNS server address automatically:</b> Whether to use DNS assigned by DHCP server to connect network.</p> <p><b>Static IP:</b> Whether to use static IP to connect network.</p> <p><b>IP:</b> Input your assigned IP address.</p> <p><b>Netmask:</b> Input your assigned Netmask.</p> <p><b>Gateway:</b> Input your assigned Gateway.</p> <p><b>DNS address:</b> Input your assigned DNS address.</p> <p><b>DNS2 address:</b> Input your assigned DNS2 address.</p>
<p><b>PPPoE set</b></p>	<p><b>username:</b> Input your assigned PPPoE account username.</p> <p><b>password:</b> Input your assigned PPPoE password.</p> <p><b>Auto connect on power up:</b> Whether to automatically connect PPPoE on booting.</p> <p>After the configuration is completed, if you click "Connect" button, it will connect to the network using PPPoE mode at once; If you click "OK" button, it will only save the configuration parameters; If you click "cancel" button, the parameters you have been set will not be saved.</p> <p><b>Auto reconnect:</b> When connecting failed whether to automatically connect PPPoE.</p>

## 6.1.2 Sound & display

Tap "Basic settings", then select "sound & display" to switch to sound & display interface.

Configuration item	Meaning
<p><b>Volume Set</b></p>	<p><b>Silent mode:</b> Set whether to enable Silent mode. After enabling the function, all sounds will not take effect expect media volume and alarm clock.</p> <p><b>Ringer volume:</b> Adjust the volume size of incoming call.</p> <p><b>Media volume:</b> Adjust the volume size of media.</p>
<p><b>Ring Set</b></p>	<p><b>Phone ringtone:</b> Set telephone ringtone of incoming</p>

	calls. <b>Notification ringtone:</b> Set notification ringtone of the telephone.
<b>Tone Set</b>	<b>Audible touch tones:</b> Enable/Disable. After enabling the function, when you use a dialing keyboard it can play sound. <b>Audible selection:</b> Enable/Disable. After enabling the function, when you select the screen it can play sound.
<b>Screen Saver Set</b>	<b>Use screen saver:</b> Enable/Disable. After enabling this function, the LCD screen will be the state of the screen saver mode after the specified time. <b>Screen saver timeout:</b> Input the waiting time after enabling the screen saver mode, the default unit is minute. <b>Screen saver mode:</b> There are three types of screen saver ("Close LCD", "Album" and "Clock") for you to choose. <b>Screen saver prohibit operation period:</b> Set prohibit operation period and other related parameters.
<b>Hibernate Set</b>	<b>Use hibernate:</b> Enable/Disable. After enabling this function, the LCD screen will be the state of the hibernate mode after the specified time. <b>Hibernate timeout:</b> Input the waiting time after enabling the hibernate mode, the default unit is minute.
<b>Display Set</b>	<b>Animation:</b> Set the window animation mode, there are three kinds of mode ("No animations", "Some animations" and "All animations") for you to choose. <b>Brightness:</b> Regulate brightness of screen display.
<b>U Disk notifications</b>	Enable/Disable. After enabling, it will play the corresponding notification alert tone when you install and uninstall the U-Disk.

#### Appendix:

1. If you enable hibernation and screen saver at the same time, the phone will first enter the screen saver, Then enter the state of dormancy.
2. To introduce the Screen saver prohibit operation period parameters.

#### **Use screen saver prohibit operation period:**

If enabled, screen saver will not take effect at the specified time, it will close LCD directly.

**start time:** Set the first period start time.

**end time:** Set the first period end time.

**start time:** Set the second period start time.

**end time:** Set the second period end time.



### 6.1.3 Configuration management

Tap "Settings", and then select "Configuration management" to switch to Configuration management interface.

Configuration item	Meaning
<b>Auto provision</b>	<p><b>Server:</b> Input the upgrade server address.</p> <p><b>Protocol:</b> Select the protocol used by the automatic upgrade, Include: FTP, HTTP, HTTPS and TFTP.</p> <p><b>User:</b> Input the upgrade server account. (<b>Note:</b> It is only used when using the FTP or HTTPS protocol.)</p> <p><b>Password:</b> Input the upgrade server password. (<b>Note:</b> It is only used when using the FTP protocol.)</p> <p><b>File name:</b> Input the filename needed to be upgraded.</p> <p><b>Time interval ():</b> Input automatic update interval.</p> <p><b>Mode:</b> select the upgrade modes:"Disable", "After reboot", "Time interval".</p> <p><b>Upgrade now:</b> Manual to upgrade.</p>
<b>TR-069</b>	<p><b>Server:</b> Input the server address of TR069, in TR069 interface press any DTMF button can pop up an input box of entering the server address.</p> <p><b>Change Password:</b> When you have certification, you can change the password.</p> <p><b>Account:</b> Input the account that used in registering TR069 server.</p> <p><b>Password:</b> Input the password that used in registering TR069 server.</p> <p><b>Auto login:</b> Enable/Disable. After enabling, it will use the saved user name and password after the phone reboot and do not need to manually input.</p> <p><b>Local Serial Number:</b> Display the local serial number of TR069.</p>

#### **Attach:**

You must make a version file, that is version.txt, before automatic upgrade the applications, as follows:

Version: 1.0.837.35.64

Server: 192.168.1.249

Image: home.tar.gz

Protocol: ftp

User: ad

Password: ad

Version: Phone version, this version can be arbitrarily input. But the version number cannot be same with the telephone version number, otherwise it will

not upgrade.

Server: Upgrade the server address that is using.

Image: The file that need to be updated, the suffix name must use tar.gz.

Protocol: Upgrade the protocol that is using, For example ftp, tftp, http etc.

User: According to the protocol, fill in the corresponding user name.

Password: According to the protocol, fill in the corresponding password.

1. In the automatic upgrade interface, you can configure corresponding parameters, the file name must be input with version.txt, and the other settings, according to the configuration on the above form, then upgrade.

2. After the upgrade is completed, telephone notification bar will have the upgrade prompt notification; Clicking it will pop up a dialog box to ask whether to upgrade the new version , you can click "OK", then update.

## 6.1.4 Language & keyboard

Tap "Basic settings", then select "language & keyboard" to switch to language & keyboard interface.

Configuration item	Meaning
Select locale	Set the phone language environment, the default selection is English.
Text settings	Set the Android keyboard, Google Input Method, Penpower Input Method etc that the phone uses.

### Be careful:

Users through the Android market to install third party input method will be automatically added to the language and keyboard settings.

## 6.1.5 Date & time

Tap the "Basic Settings", and then choose "Date & time" switch to the date and time settings interface.

Configuration item	Meaning
Automatic	When enabled, the phone will automatically get the current time through the sntp server.
NTP server	Configure SNTP server address of the phone to get the current time.
Set date	Set the current date.

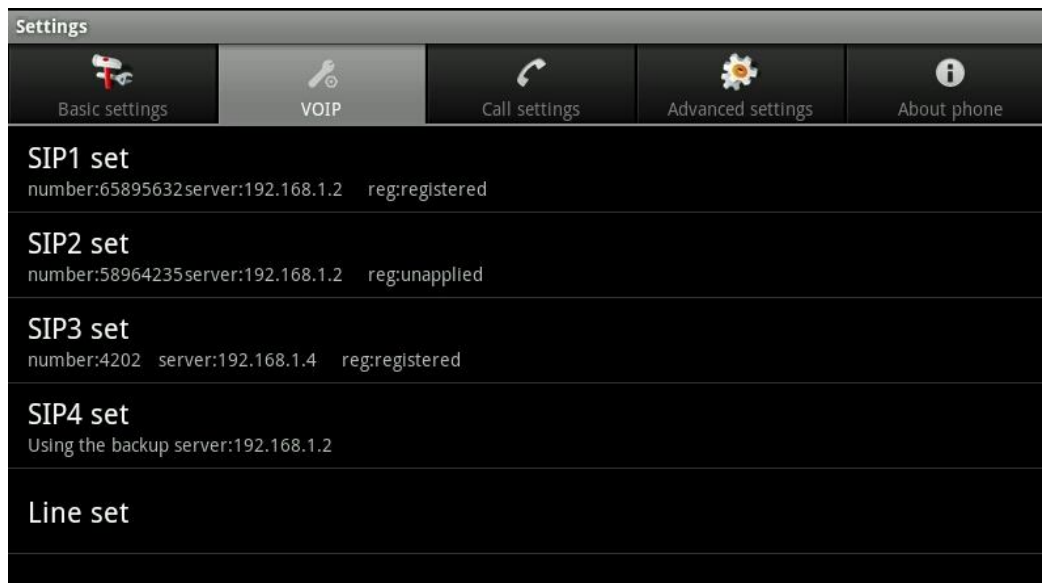
<b>Select time zone</b>	Select the current time zone.
<b>Set time</b>	Set the current time manually.
<b>Use 24-hour format</b>	When enabled, the time will be displayed in a 24-hour format.
<b>Select date format</b>	Select the current date format. There are three types for you to choose ("Year - Month - Day", "Day - Month - Year" or "Month - Day - Year").

**Note:**

1. You need to configure the available time server address and select the corresponding time zone after enabling "Auto", at the same time you must ensure that the phone is in network status, or it cannot get the correct time.
2. After enabling "Auto", you cannot set the time and date manually.

## 6.2 VoIP Settings

Tap "Android settings" and select "VoIP Settings" to switch to VoIP setup interface.



<b>Configuration item</b>	<b>Meaning</b>
<b>SIP set</b>	Configure the corresponding registration parameter of each sip account, such as sip server address and so on, then click "OK" button after configuration is completed.
<b>Line set</b>	Configure the corresponding sip line of each line key on the phone keyboard.
<b>Voice</b>	Configure voice parameters in the process of calls,

	such as voice coding, whether to enable VAD, etc.
<b>Video</b>	Configure video parameters in the process of video calls, such as encoding resolution, frame rate, etc.
<b>QoS</b>	<b>DiffServ enable:</b> Configure whether to enable differentiated services. <b>DiffServ value:</b> Configure differentiated services parameter value, if you set normal level, the value is 0x00.
<b>Port</b>	<b>Media initial port(10000-60000):</b> Configure the media initial port, this port assigned as dynamic allocation. (Size 10000--60000) <b>Media port quantial:</b> Configure the maximum number of RTP port allocated, default value is 200.

**Attachment:**

**SIP registration parameters introductions:**

<b>Configuration item</b>	<b>Meaning</b>
<b>Server</b>	Set your SIP server address. It supports the address in the form of domain name.
<b>Account</b>	Set your SIP account.
<b>Password</b>	Set your SIP password.
<b>Phone Number</b>	Input the phone number assigned by your VoIP service provider. Phone will not register if there is no phone number configured.
<b>SIP register</b>	Enable/Disable register. <input type="checkbox"/> Disable register, <input checked="" type="checkbox"/> Enable register.
<b>Display name</b>	Configure the display name, it allows the English alphabet input (does not support Chinese).
<b>Server Name</b>	Configure the SIP register server name.
<b>Domain realm</b>	Configure the SIP domain name (the user can choose not to configure, the system will automatically configure).
<b>Server port</b>	Configure the SIP register server port.
<b>Register expire time (seconds)</b>	Configure the server register timeout(s), default 60 seconds. If the registration time of the server required is greater or less than the time of the phone to configure, telephone can automatically modify to the time limit that server recommended, and register again.

<b>DTMF mode</b>	<p>Set DTMF mode, there are four types:</p> <ul style="list-style-type: none"> <li>● DTMF_RELAY</li> <li>● DTMF_RFC2833</li> <li>● DTMF_SIP_INFO</li> <li>● DTMF_AUTO</li> </ul> <p>Different server vendors can provide different models.</p>
<b>RFC protocol edition</b>	<p>Configure the protocol version of the phone. When your phone needs to communicate with gateway which uses SIP1.0, such as CISCO5300, you need to configure to RFC2543 to conduct normal communication. RFC3261 is used by default.</p>
<b>RFC privacy edition</b>	<p>Configure whether to use anonymous security call. It supports RFC3323 and RFC3325.</p>
<b>Transport protocol</b>	<p>Configure the transport protocol, TCP or UDP.</p>
<b>Ban anonymous call</b>	<p>Configure whether to ban anonymous call.</p>
<b>Enable strict proxy</b>	<p>Compatible with special server. (Using source address of opposite side when return message, no longer use the address in via field).</p>
<b>Enable subscribe</b>	<p>After successful registration, you can subscribe to information, such as someone else's status or voice mail and so on.</p>
<b>Enable via rport</b>	<p>Configure whether to support RFC3581, rport mechanism is used in internal network, and requires a SIP server to support, it is used for keeping the NAT connect of the internal network and the external network.</p>
<b>Enable prack</b>	<p>Configure whether to support SIP-PRACK function (used by "Color Ring Back Tone")</p> <p>Recommend: Use the default configuration.</p>
<b>Enable uri convert</b>	<p>When you send URI it will convert # to %23.</p>
<b>Enable DNS SRV</b>	<p>Configure whether to support RFC2782 protocol edition.</p>
<b>Enable display name quote</b>	<p>Set to make quotation mark to display name as the phone sends out signal, in order to be compatible with server.</p>
<b>Enable CLIR</b>	<p>Enable/Disable CLIR.</p>
<b>Use stun</b>	<p>Enable/Disable SIP STUN;</p>
<b>Stun Server</b>	<p>Configure the SIP STUN server address.</p>
<b>Stun port</b>	<p>Configure the SIP STUN server port.</p>
<b>Backup server</b>	<p>Configure a backup server address. When the</p>

	primary server is not connected, you can use the backup server for calling communications (The backup server can be connected only when the primary server cannot connect); When the primary server is connected, the phone will automatically switch back to the primary server to communicate.
<b>Backup server port</b>	Configure the backup server port.

#### Voice coding settings parameters:

<b>Configuration item</b>	<b>Meaning</b>
<b>First codec</b>	Set the first priority in the use of voice coding.
<b>Second codec</b>	Set the second priority in the use of voice coding.
<b>Third codec</b>	Set the third priority in the use of voice coding.
<b>Fourth codec</b>	Set the fourth priority in the use of voice coding.
<b>Fifth codec</b>	Set the fifth priority in the use of voice coding.
<b>Sixth codec</b>	Set the sixth priority in the use of voice coding.
<b>Seventh codec</b>	Set the seventh priority in the use of voice coding.
<b>Eighth codec</b>	Set the eighth priority in the use of voice coding.
<b>G729 payload length</b>	Set G729 codec payload length.
<b>DTMF payload type</b>	Set DTMF payload type, values between 96 and 127.
<b>ILBC payload type</b>	Set ILBC payload type, values between 96 and 127.
<b>ILBC payload length</b>	Set ILBC payload length.
<b>G723 bit rate</b>	Set the rate of G723, you can choose 5.3kb / s or 6.3kb / s.
<b>VAD</b>	Silence detection; If you enabling VAD function, then the G.729 payload length cannot be set greater than 20ms.

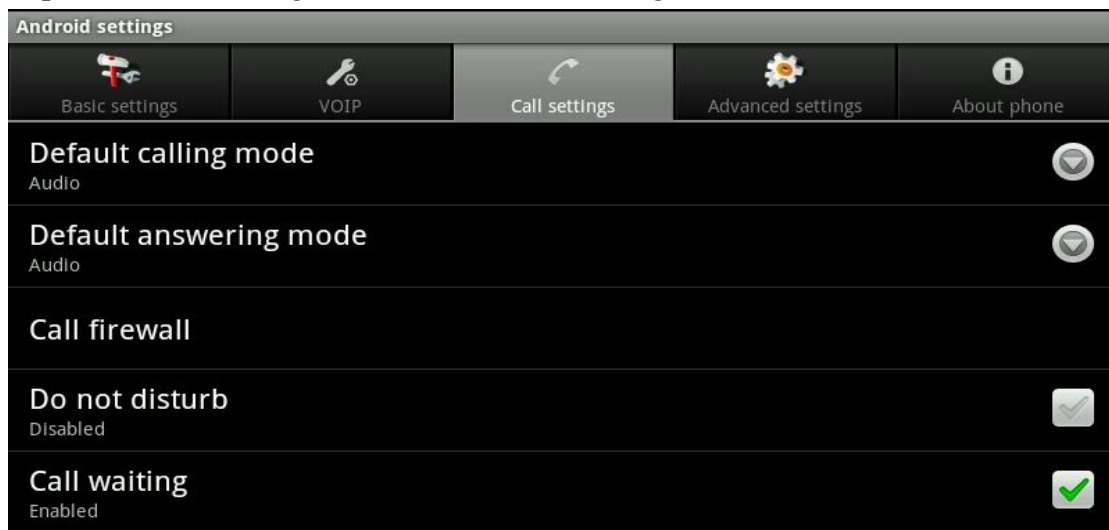
#### Video encoding settings parameters:

<b>Configuration item</b>	<b>Meaning</b>
<b>Accept video mode</b>	Set accept video mode during a video call. Three ways for choice: "Manual accept video", "Auto accept video" and "Auto reject video".
<b>First video codec</b>	Set the first priority in the use of video coding.
<b>Second video codec</b>	Set the second priority in the use of video coding.
<b>Third video codec</b>	Set the third priority in the use of video coding.
<b>Video packet size</b>	Set the size of a single video packet during the video call.
<b>H.264 payload type</b>	Set payload type of H.264, value between 96 and 127.

<b>Mpeg4 payload type</b>	Set payload type of Mpeg4, value between 96 and 127.
<b>Video resolution</b>	Set video encoding resolution during a video call, There are three ways for choice: QCIF, CIF and 4CIF.
<b>Media Bandwidth</b>	Set the media bandwidth of receiving video during a video call.

## 6.3 Call settings

Tap "Android settings" and select "Call Settings" switch to the Call interface.



Configuration item	Meaning
<b>Default calling mode</b>	Set the default call mode of the phone, Audio or Video.
<b>Default answering mode</b>	Set the default answer mode of the phone, Audio or Video.
<b>Call firewall</b>	Whether to enable the firewall. After enabling the function, there will be a notification note in the status bar. When a number is added to the firewall, the telephone will automatically reject all incoming calls of this number, at the same time there won't be any note. Click to view all the firewall numbers successfully added, at the same time, you can click a firewall number to delete in check process; you can also add and delete by the menu option.
<b>Do not disturb</b>	Enabled the "DND", the phone will not allow incoming phone calls, but the notification about missed calls will be displayed at the status bar.

<b>Call waiting</b>	Set whether to enable the call waiting function.
<b>Voicemail</b>	Set the parameters of the voicemail: <b>Check for voicemail:</b> Check which line enabled the voicemail , you can also enable it from here. <b>Number to dial for checking voicemail:</b> Set the phone number to listen the voicemail for each line. <b>Number for sending calls to voicemail:</b> Set the phone number of the voicemail for each line.
<b>No answer time</b>	Set no answer time. The default unit is second.
<b>Digital map</b>	<p><b>Use E164:</b> Enable/Disable E164. After it is enabled, it will directly dial numbers according with E164 rules.</p> <p><b>Use # as dial key:</b> Enable/Disable. After enabling the function, input the number end with "#" in the non-pre-dial mode, it will directly dial the phone number.</p> <p><b>Use fixed length:</b> Enable/Disable. After enabling the function, inputting the number of specified length in the non-pre-dial mode will make the call directly.</p> <p><b>Dial with fixed-length :</b> Enter the number of fixed length(1-30)</p> <p><b>Use time out:</b> Enable/Disable.</p> <p><b>Dial timeout (3-99):</b> After enabling the function, input the number in the non-pre-dial mode, it will dial the phone number in the specified time.</p> <p><b>Dial plan prefix:</b> Enable/Disable. After enabled the function, it will be automatically added the outside line prefix number before the outgoing number when you are going to call.</p> <p><b>Outside line prefix:</b> Input the prefix number</p>
<b>Hotline number</b>	<p><b>Hotline number:</b> Set the hotline number for each SIP line.</p> <p><b>Hotline timeout (0-99):</b> Set the waiting time of the hotline number after hooking off, if the number is not set, the default time is 0, and then it will immediately call the hotline number.</p>
<b>Reveal incoming telephone place</b>	After enabling the call attribution show, and when a call comes in, the incoming interface can display the attribution information of the caller's number.

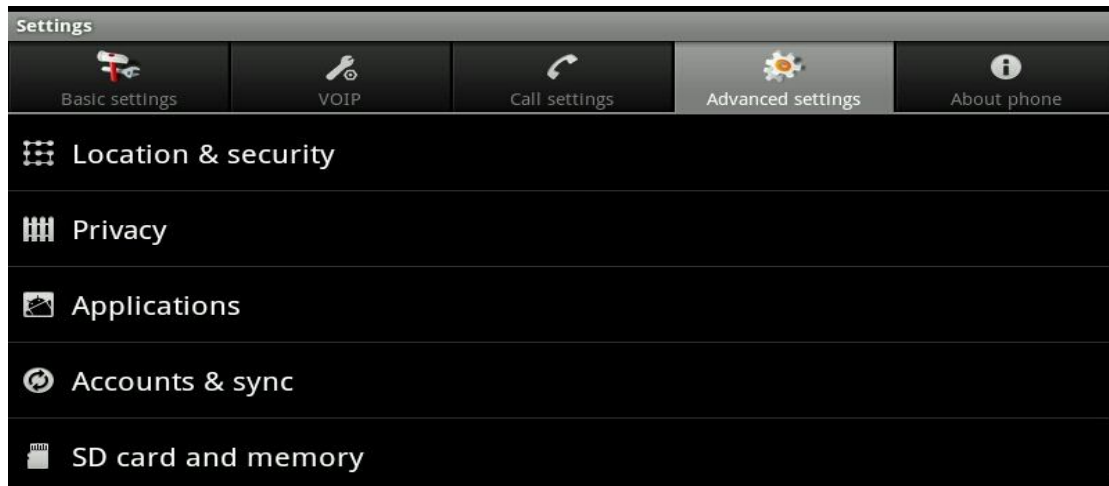
**Note:**

1. Enable "DND", "Auto answer" and "call forward" at the same time, the transfer effect priority is "DND" >> "Auto answer">> "call forward".



2. Digital Map : "Use E164" ,"End with #","Use fixed length", "Use time out" are in effect under the condition of non pre-dial.

## 6.4 Advanced settings



### 6.4.1 Location & security

Tap "Advanced Settings" and then select "location and security" switch to the location and security settings interface.

Configuration item	Meaning
<b>Set menu password</b>	Set the password to enter the configuration items.
<b>Visible password</b>	Show password as you type.
<b>Use secure credentials</b>	Allow applications to access secure certificates and other credentials.
<b>Install from SD card</b>	Install encrypted certificates from SD card.
<b>Set password</b>	Set or change the credential storage password
<b>Clear storage</b>	Clear credential storage of all contents and reset its password.

Default configuration password: 123456.

### 6.4.2 Privacy

Tap "Advanced Settings" and then select "Privacy" switch to the privacy settings interface.

Configuration item	Meaning
<b>Factory data reset</b>	Clear all user information on the phone, and the entire configuration to the default configuration.
<b>Reboot</b>	Click to restart the phone.

### 6.4.3 Applications

Tap "Advanced Settings" and then select "Applications" switch to the application settings interface.

<b>Configuration item</b>	<b>Meaning</b>
<b>Unknown sources</b>	Allow install of non-Market application.
<b>Manage applications</b>	Manage and remove installed application.
<b>Running services</b>	View and control current running services.
<b>Development</b>	Set options for application development. USB debugging: Debug mode when USB is connected. Allow mock locations: Allow mock locations.

### 6.4.4 Accounts & sync

Tap "Advanced Settings" and then select "Account & sync" switch to account and sync settings interface.

<b>Configuration item</b>	<b>Meaning</b>
<b>Background data</b>	Application can sync, send and receive data at any time.
<b>Auto-sync</b>	Application sync data automatically.
<b>Add account</b>	You can configure an Exchange account.

### 6.4.5 SD card and memory

Tap "Advanced Settings" and then select "SD card and memory" switch to the SD card and memory settings interface.

<b>Configuration item</b>	<b>Meaning</b>
<b>Total space</b>	Display the size of the total storage capacity of the SD card.
<b>Available space</b>	Show the remaining available storage space size of SD card.
<b>Unmount SD card</b>	Must uninstall SD card at first, then you can remove it safely.
<b>Format SD card</b>	Format (erase) the SD card.
<b>Internal phone storage</b>	Show the total memory size of the phone.

<b>Available space</b>	Show the available phone memory space.
------------------------	--

### 6.4.6 Search

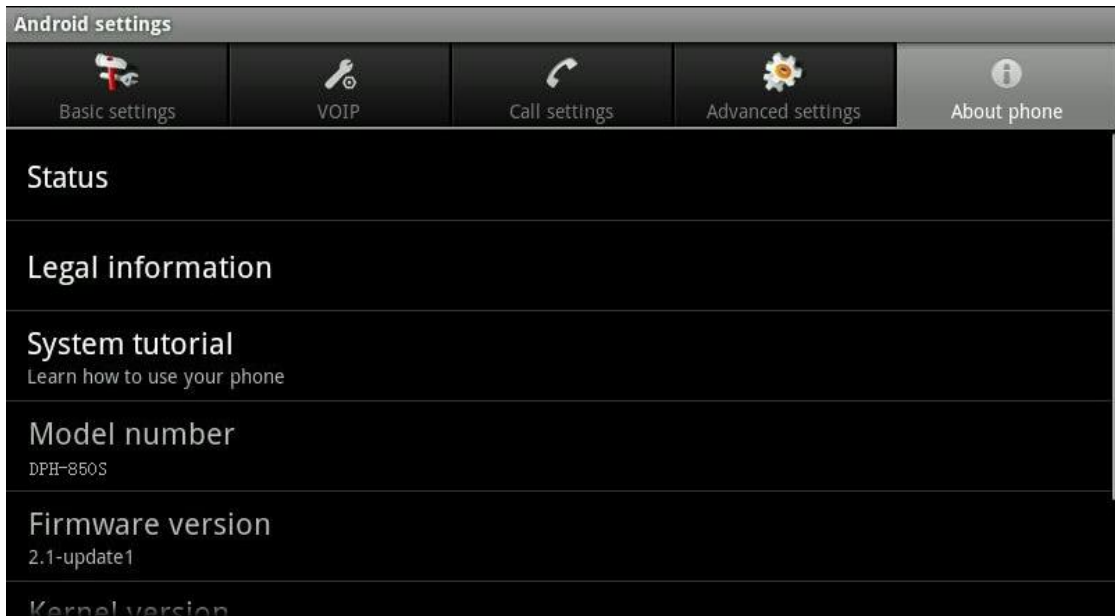
Tap "Advanced Settings" and then select search" switch to search settings interface.

Tap "search" to switch to search settings interface.

<b>Configuration item</b>	<b>Meaning</b>
<b>Google search settings</b>	Show page proposal: When enabled, it displays the advice that Google propose when inputting.
<b>Searchable items</b>	You can choose to search content on the phone, including: browser, contacts, applications and music.
<b>Clear search shortcuts</b>	Clear shortcuts of the search results chosen currently.

### 6.5 About phone

Tap "Android settings" and then select "About phone" switch to About Settingstings interface.

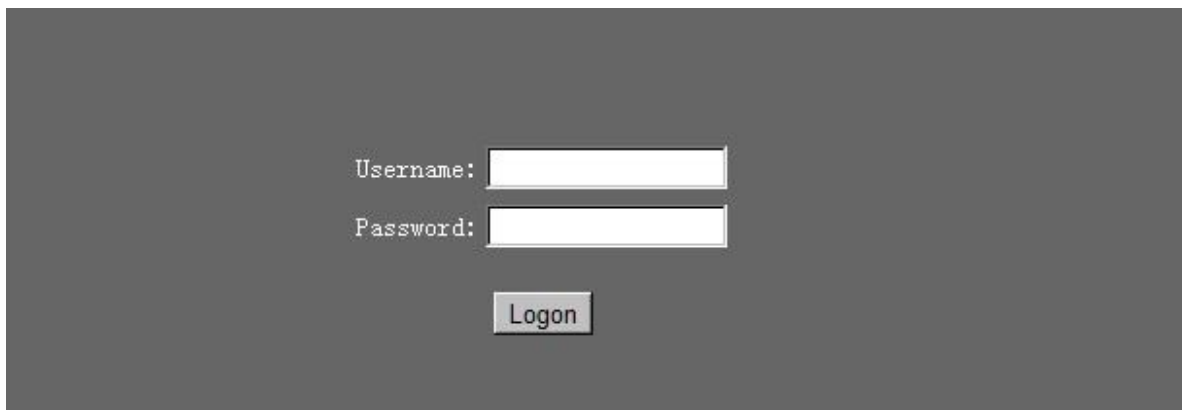


<b>Configuration item</b>	<b>Meaning</b>
Status	Display phone status information.

	<p><b>My phone number:</b> Display phone number on each line.</p> <p><b>Mobile network type:</b> Whether successfully or unsuccessfully the phone connect to the network.</p> <p><b>MAC address:</b> Show the physical address of the phone.</p> <p><b>Up time:</b> Shows the running time of the phone to boot.</p>
Legal information	Show open-source licensing information.
System tutorial	Display open-source licensing information.
Model number	Display phone model.
Firmware version	Shows the android version number.
Kernel version	Display system of Linux kernel version.
Build number	Display phone version information.

## 7 Web page configuration description

When both of the DPH-850S phone and your PC are successfully connected to the network, enter the IP address and the web browser port about your phone as the URL such as "http://xxx.xxx.xxx.xxx" (Telephone IP address can be found on the phone status or at the **system** interface of **Settings**), then you can see the login page shows as the following picture. Enter the user name and password and click "Logon" button to the detailed interface.

A screenshot of a web-based login interface. It features a dark gray background. In the center, there are two white input fields. The first is labeled "Username:" and the second is labeled "Password:". Below these fields is a rectangular button with the text "Logon" in a light gray font.

**Logon interface**

### Logon

Field name	Explanation
<b>Admin</b>	
Username	admin
Password	admin
<b>Guest</b>	
Username	guest
Password	guest

## 7.1 BASIC

- Status

D-Link			
DPH-850S //	BASIC	NETWORK	VOIP
		PHONE	MAINTENANCE
		SECURITY	LOGOUT
Status	<b>Network</b>		
	MAC Address:	00:a8:59:c4:0c:8c	
	IP Address:	192.168.1.22	
	<b>Phone Number</b>		
	SIP LINE 1:	@ :5060	Unapplied
	SIP LINE 2:	@ :5060	Unapplied
	SIP LINE 3:	@ :5060	Unapplied
	SIP LINE 4:	@ :5060	Unapplied
BROADBAND			
Copyright © 2010 D-Link International Pte. Ltd.			

### Status interface

Status	
Field name	Explanation
Network	Shows the configuration information on WAN: Including the IP address and the MAC address.
Phone Number	Shows the phone numbers provided by the SIP LINE 1-4 servers.
Version and Model	The top line shows the version number and the first line shows Phone model.

## 7.2 NETWORK

**D-Link**

DPH-850S // BASIC NETWORK VOIP PHONE MAINTENANCE SECURITY LOGOUT

QOS&VLAN SERVICE PORT SNTP

**LLDP Set**

Enable Report Function:

Report Interval: 60 (1~3600)seconds

Enable Learn Function:

**QoS Set**

Enable DSCP:

Signal DSCP: 46 (0~63)

Voice DSCP: 46 (0~63)

Video DSCP: 46 (0~63)

**VLAN Set**

Enable WAN Port VLAN:

WAN Port VLAN ID: 256 (0 - 4095)

Signal 802.1P Priority: 0 (0 - 7)

Voice 802.1P Priority: 0 (0 - 7)

Video 802.1P Priority: 0 (0 - 7)

LAN Port VLAN: Disable

LAN Port VLAN ID: 0 (0 - 4095)

APPLY

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**QOS&VLAN interface**

QOS&VLAN	
Field name	Explanation
<b>LLDP Set</b>	
<b>Enable Function</b>	Open the phone's function to send LLDP messages.
<b>Enable Learn Function</b>	Open the phone's function to learn LLDP. After enabling LLDP Learn, telephone can automatically learn the number of DSCP, 802.1p, VLAN ID of the network. If the number is different from the number of network, telephone will change its own value to the value of the network.
<b>Report Interval</b>	The time interval to send LLDP messages of the phone, the unit is seconds. Default is 60 seconds.

QoS Set	
Enable DSCP	Enable/Disable DSCP.
Voice DSCP	Set the number of Voice DSCP.
Video DSCP	Set the number of Video DSCP.
Signal DSCP	Set the number of Signal DSCP.
VLAN Set	
Enable WAN Port VLAN	Enable/Disable VLAN.
WAN Port VLAN ID	Set the number of VLAN ID. Range is 0~4095.
Signal 802.1P Priority	Set the priority number of Video 802.1p. Range is 0~7.
Voice 802.1P Priority	Set the priority number of Video 802.1p. Range is 0~7.
Video 802.1P Priority	Set the priority number of Signal 802.1p. Range is 0~7.
LAN Port VLAN	Enable/Disable Port VLAN. ➤ Untagged: Disable Port VLAN. ➤ Disable: Follow the ID number of WAN. Enable: Enable Port VLAN and set the Port VLAN ID different from WAN.
LAN Port VLAN ID	Set the number of Port VLAN ID different from WAN. Range is 0~4095.

### SERVER PORT interface

SERVER	
Field name	Explanation



<b>Service Port</b> If modify HTTP or telnet port, you'd better set it more than 1024, then restart!	
<b>Web Server Type</b>	Use the type of web server, you can choose HTTP or HTTPS. After selecting one server, you can use the selected server to login the telephone's web page. Such as : <a href="https://192.168.1.25">https://192.168.1.25</a> or <a href="http://192.168.1.25">http://192.168.1.25</a> .
<b>HTTP Port</b>	Set web browser port, the default is 80 port, if you want to enhance system safety, you'd better change it into non-80 standard port; Example: The IP address is 192.168.1.70. and the port value is 8090, the accessing address is <a href="http://192.168.1.70:8090">http://192.168.1.70:8090</a> .
<b>HTTPS Port</b>	It is the secure server, default is 443. Use the HTTPS server can stop others intercept your data.
<b>RTP Start Port</b>	Set the RTP Initial Port. It is dynamic allocation.
<b>RTP Port Numbers</b>	Set the maximum quantity of RTP Port, the default is 200.

**D-Link**

DPH-850S // BASIC NETWORK VOIP PHONE MAINTENANCE SECURITY LOGOUT

QOS&VLAN  
SERVICE PORT  
SNTP

**SNTP Time Set**

DHCP Time:

Main Server:

BackUp Server:

Time Out:  (seconds)

SNTP:

**APPLY**

BROADBAND

**SNTP interface**

<b>SNTP</b>	
<b>Field name</b>	<b>Explanation</b>
<b>SNTP Time Set</b>	

<b>DHCP Time</b>	Enable/Disable DHCP time. After enabling, the phone will automatically synchronize the network time in a certain period of time.
<b>Main Server</b>	Configure the main SNTP server address of the phone to get the current time.
<b>BackUp Server</b>	Configure the backup SNTP server address of the phone to get the current time.
<b>Time Out</b>	Set the time out, the default is 60 seconds.
<b>SNTP</b>	Whether to enable the SNTP server.

## 7.3 VOIP

- SIP

**D-Link**

DPH-850S // BASIC NETWORK **VOIP** PHONE MAINTENANCE SECURITY LOGOUT

SIP  
Stun

**SIP Line Select**  
SIP 1 Load

**Basic Setting**

Register Status: **Registered**

Server Name:

Server Address:

Server Port:

Account Name:

Password:

Phone Number:

Enable Register:

Display Name:

Proxy Server Address:

Proxy Server Port:

Proxy Username:

Proxy Password:

BackUp Server Address:

BackUp Server Port:

Domain Realm:

APPLY  
Advanced Set

**Basic Setting interface**

**Advanced Set**

Advanced SIP Setting			
Signal Encode:	<input type="checkbox"/>	Enable Session Timer:	<input type="checkbox"/>
Signal Key:	<input type="text"/>	Session Time Out:	<input type="text" value="0"/> seconds
Rtp Encode:	<input type="checkbox"/>	Conference Type:	<input type="text" value="Local"/>
Media Key:	<input type="text"/>	Conference Number:	<input type="text"/>
Enable BLF List:	<input type="checkbox"/>	Subscribe for MWI:	<input type="checkbox"/>
BLF List Number:	<input type="text"/>	MWI Number:	<input type="text"/>
NAT Keep Alive:	<input type="checkbox"/>	Subscribe Expire Time:	<input type="text" value="300"/> seconds
NAT Keep Alive Interval:	<input type="text" value="60"/> seconds	Register Expire Time:	<input type="text" value="60"/> seconds
User Agent:	<input type="text" value="Voip Phone 1.0"/>	Server Type:	<input type="text" value="COMMON"/>
DTMF Type:	<input type="text" value="DTMF_AUTO"/>	RFC Protocol Edition:	<input type="text" value="RFC3261"/>
Local Port:	<input type="text" value="5060"/>	Transport Protocol:	<input type="text" value="UDP"/>
RFC Privacy Edition:	<input type="text" value="NONE"/>	Enable Keep Authentication:	<input type="checkbox"/>
Enable Via rport:	<input type="checkbox"/>	Click to talk:	<input type="checkbox"/>
Enable PRACK:	<input checked="" type="checkbox"/>	Answer With Single Codec:	<input checked="" type="checkbox"/>
Long Contact:	<input type="checkbox"/>	Auto TCP:	<input type="checkbox"/>
Enable URI Convert:	<input type="checkbox"/>	Enable Strict Proxy:	<input type="checkbox"/>
Dial Without Register:	<input type="checkbox"/>	Enable GRUU:	<input type="checkbox"/>
Ban Anonymous Call:	<input type="checkbox"/>	Enable Displayname Quote:	<input type="checkbox"/>
Enable DNS SRV:	<input type="checkbox"/>	Enable user=phone:	<input checked="" type="checkbox"/>

**APPLY**

**Advanced Set interface**

Sip Configuration	
Field name	Explanation
SIP Line Select <input style="margin-left: 20px;" type="text" value="SIP 1"/>	
Choose line to set info about SIP, there are 4 lines to choose. You can switch by <b>[Load]</b> button.	
<b>Basic Setting</b>	
<b>Register Status</b>	Shows whether the phone has been registered the SIP server, if not, show Unapplied.
<b>Server Name</b>	Set the server name.
<b>Server Address</b>	Input your SIP server address.
<b>Server Port</b>	Set your SIP server port.
<b>Account Name</b>	Input your SIP register account name.
<b>Password</b>	Input your SIP register password.

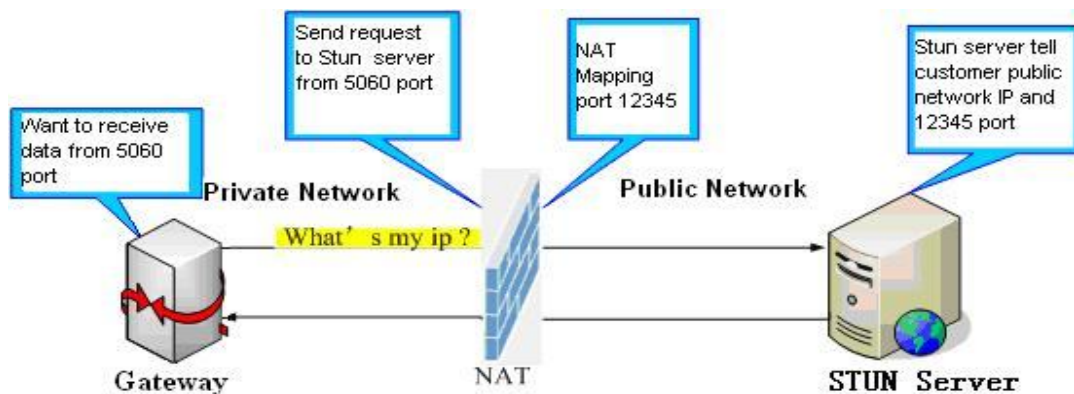
<b>Phone Number</b>	Input the phone number assigned by your VoIP service provider. Phone will not register if there is no phone number configured.
<b>Enable Register</b>	Start to register or not by selecting it or not.
<b>Display Name</b>	Set the display name.
<b>Proxy Server Address</b>	Set proxy server IP address. (Usually, Register SIP Server configuration is the same as Proxy SIP Server. But if your VoIP service provider give different configurations between Register SIP Server and Proxy SIP Server, you need make different settings)
<b>Proxy Server Port</b>	Set your Proxy SIP server port.
<b>Proxy Username</b>	Input your Proxy SIP server account.
<b>Proxy Password</b>	Input your Proxy SIP server password.
<b>Backup Server Address</b>	Phone backup server address, if the primary server is not successfully registered then enabled the backup server.
<b>Backup Server port</b>	Configure the backup server port.
<b>Domain Realm</b>	Set the sip domain if needed, otherwise this VoIP phone will use the Register server address as sip domain automatically. (Usually it is same with registered server and proxy server IP address).
<b>Advanced Set</b>	
<b>Signal Encode</b>	Enable/Disable Signal Encrypt.
<b>Signal Key</b>	Set the key for signal encryption.
<b>RTP Encode</b>	Enable/Disable RTP Encrypt.
<b>Media Key</b>	Set the key for RTP encryption.
<b>Enable BLF List</b>	Enable/Disable BLF List.
<b>BLF List Number</b>	Input the BLF List number.
<b>NAT Keep Alive</b>	If some servers refuse to register with too short interval time and have no packets sending to device in private network to keep NAR alive, you could set this function ON. It needs to set the keep alive interval time less than the NAT server's.
<b>NAT Keep Alive</b>	Set examining interval of the server, default is 60 seconds.

<b>Interval</b>	
<b>User Agent</b>	Set the user agent if you have, the default is VoIP Phone 1.0.
<b>DTMF Type</b>	Select DTMF sending mode, there are three modes: * DTMF_RELAY * DTMF_RFC2833 * DTMF_SIP_INFO. Different service providers may provide different mode.
<b>Local port</b>	Set sip port of each line.
<b>RFC Privacy Edition</b>	Set Anonymous call out safely; Support RFC3323 and RFC3325.
<b>Enable Via rport</b>	Enable or disable system to support RFC3581. Via rport is a special way to realize SIP NAT.
<b>Enable PRACK</b>	Enable/Disable SIP PRACK function (basically is used at). Suggest using the default configuration.
<b>Long Contact</b>	Set more parameters in contact field, connect with SEM server.
<b>Enable URI Convert</b>	Convert # to %23 when send the URI.
<b>Dial Without Register</b>	Enable/Disable Dial without Register. If enabled, you can call directly the gateway.
<b>Ban Anonymous Call</b>	Set to ban anonymous Call.
<b>Enable DNS SRV</b>	Support DNS looking up with _sip.udp mode.
<b>Enable Session Timer</b>	Enable/Disable Session Timer to support RFC4028 or not. It will refresh the SIP sessions.
<b>Session Time Out</b>	Set the time out of the session.
<b>Conference Type</b>	Select "Local" or "Remote".
<b>Conference Number</b>	Input the number of the conference.
<b>Subscribe for MWI</b>	Enable/Disable the subscribe for MWI.
<b>MWI Number</b>	Input MWI number.
<b>Subscribe Expire Time</b>	Overtime of resending subscribe packet. Suggest using the default configuration.
<b>Register Expire Time</b>	Set expire time of SIP server register, default is 60 seconds. If the register time of the server requested is longer or shorter than the expire time, the phone will change

	automatically the time into the time recommended by the server, and register again.
<b>Server Type</b>	Select the special type of server which is encrypted, or has some unique requirements or call flows.
<b>RFC Protocol Edition</b>	Select SIP protocol version to adapt for the SIP server which uses the same version as you select. For example, if the server is CISCO5300, you need to change to RFC2543, else phone may not cancel call normally. System uses RFC3261 as default.
<b>Transport Protocol</b>	Set transport protocols, TCP or UDP.
<b>Enable Keep Authentication</b>	Enable or Disable. Keep Authentication. If it is enabled, system will take the last authentication field which is passed the authentication by server to the request packet. It will decrease the server's repeated authorization work.
<b>Click to talk</b>	Set click to Talk (need practical software support).
<b>Answer With Single Codec</b>	Enable/Disable the function. When call is incoming, phone replies SIP message with just one codec which phone supports.
<b>Auto TCP</b>	Set to use automatically TCP protocol to guarantee usability of transport when message is above 1300 byte.
<b>Enable Strict Proxy</b>	Support the special SIP server-when phone receives the packets sent from server, phone will use the source IP address, not the address in via field.
<b>Enable GRUU</b>	Set to support GRUU.
<b>Enable Displayname Quote</b>	Set to make quotation mark to display name as the phone sends out signal, in order to be compatible with server.
<b>Enable user=phone</b>	Is the highest authority on the system.

- **Stun Configuration**

By STUN server, the phone in private network could know the type of NAT and the NAT mapping IP and port of SIP. The phone might register itself to SIP server with global IP and port to realize the device both calling and being called in private network.



**D-Link**

DPH-850S	BASIC	NETWORK	VOIP	PHONE	MAINTENANCE	SECURITY	LOGOUT
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**SIP**

**Stun**

**STUN Set**

STUN NAT Transverse: **FALSE**

STUN Server Addr:

STUN Server Port:

STUN Effect Time:  (seconds)

SIP Wait Stun Time:  (milliseconds)

Local SIP Port:

---

**Set Sip Line Enable STUN**

---

**Set Sip Line Enable STUN**

Use STUN

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### Stun interface

#### Stun

Field name	Explanation
<b>Stun Set</b>	
<b>STUN NAT Transverse</b>	Shows STUN NAT Transverse estimation, true means STUN can penetrate NAT, while False means not.
<b>STUN Server Addr</b>	Set your SIP STUN Server IP address.
<b>STUN Server Port</b>	Set your SIP STUN Server IP port.
<b>SIP Wait Stun Time</b>	When use stun, call waiting for the response of the stun overtime time.
<b>Local SIP Port</b>	Configure the local SIP port.
<b>STUN Effect Time</b>	Set STUN Effective Time. If NAT server finds that a NAT mapping is idle after time out, it will

release the mapping and the system need send a STUN packet to keep the mapping effective and alive.

### Set SIP Line Enable Stun

Set Sip Line Enable STUN	
SIP 1	Load

Select SIP Line to use Stun.

Set Sip Line Enable STUN	
Use STUN	<input type="checkbox"/>
APPLY	

**Use Stun** Enable / disable SIP STUN.

**Note:** SIP STUN is used to realize SIP penetration to NAT. If your phone configures STUN Server IP and Port (default is 3478), and enable SIP Stun, you can use the ordinary SIP Server to realize penetration to NAT.

## 7.4 PHONE

- MEDIA

**MEDIA interface**

MEDIA Configuration	
Field name	Explanation



<b>Voice Configuration</b>	
<b>First Codec</b>	The first preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Second Codec</b>	The second preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Third Codec</b>	The third preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Fourth Codec</b>	The fourth preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Fifth Codec</b>	The fifth preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Sixth Codec</b>	The sixth preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Seventh Codec</b>	The seventh preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Eighth Codec</b>	The eighth preferential DSP codec: G.711A/u,G.722,G.723,G.729,iLBC,ARM,ARM-WB.
<b>Signal Standard</b>	Select Signal standard.
<b>DTMF payload Type</b>	Configure a dual - tone multi-frequency's effective payload.
<b>ILBC Payload Type</b>	Set the ILBC load type, value based on 96-127.
<b>ILBC Payload Length</b>	Set the ILBC payload length.
<b>ARM Payload Type</b>	Set the ARM payload type.
<b>ARM-WB Payload Type</b>	Set the ARM-WB payload type.
<b>G723 Bit Rate</b>	Select the G.723 rate, it has two rates.(5.3kb / s or 6.3kb / s).
<b>G729 Payload Length</b>	Configure the G729 audio coding Payload length.
<b>Hook Check</b>	When you use the handset to call or do something, the on-hook and off-hook status are opposite, you can select this to check.(Include: Normal and Reverse).
<b>VAD</b>	Mute detection; if you enable VAD, G.729 payload length cannot be set more than 20ms.
<b>Video Configuraion</b>	
<b>First Video Codec</b>	The first preferential video codec: H.263, H.264, Mpeg4.
<b>Second Video Codec</b>	The second preferential video codec: H.263, H.264, Mpeg4.
<b>Third Video Codec</b>	The third preferential video codec: H.263, H.264, Mpeg4.
<b>Video Packet Size</b>	Video packet size.

<b>H.264 Payload Type</b>	Set the H.264 payload type, value based on 96-127.
<b>Mpeg4 Payload Type</b>	Set the Mpeg4 payload type, value based on 96-127.
<b>Video Bit Rate</b>	Set the Video Bit Rate.
<b>Video Frame Rate</b>	Set the Video Frame Rate.
<b>Video Resolution</b>	Set video resolution: QCIF, CIF, VGA and 4CIF.

**FEATURE interface**

### FEATURE

Field name	Explanation
<b>Feature Setting</b>	
<b>Reject Return Code</b>	603, server reject the invite.
<b>Busy Return Code</b>	486, server is busy.

<b>DND Return Code</b>	480 , do not disturb.
<b>Active URI Limit IP</b>	Input the server IP of the active URI.
<b>Action URL Setting</b>	
Input the Action URL, then click the <b>Apply</b> button to see whether the operation of the lcd screen is right.	

## 7.5 MAINTENANCE

- AUTO PROVISION**

**AUTO PROVISION interface**

AUTO PROVISION	
Field name	Explanation
<b>Auto Update Setting</b>	
<b>Current Config</b>	The current config version of the telephone.

<b>Version</b>	
<b>Common Config Version</b>	The common config version of the telephone.
<b>Save Autoprovision Information</b>	Whether to save the information of the autoprovision. Such as: username, password and so on.
<b>DHCP Custom</b>	
<b>DHCP Option Set</b>	Select "DHCP Option 43", "DHCP Option 66" or "DHCP Option Custom".
<b>DHCP Option Custom(128-254)</b>	After select "DHCP Option Custom", you need to input the DHCP number (Range is 128~254).
<b>Plug and Play</b>	
<b>Enable PnP</b>	Enable/Disable PNP.
<b>PnP Server</b>	Input the PNP Server name. The default is 224.0.1.75. It depends on your environment.
<b>PnP Port</b>	Input the PNP port number.
<b>PnP Transport</b>	Select the transport protocol, "TCP" or "UDP"
<b>PnP Interval</b>	Input automatic update interval. Default is 1 hour.
<b>Phone Flash</b>	
<b>Server Address</b>	Input the server address.
<b>User Name</b>	Input server username.
<b>Password</b>	Input server password.
<b>Config File Name</b>	Input MAC-Oriented configuration file or defined configuration name of user.
<b>Config Encrypt key</b>	Input the defined encrypt key, follow the Common encrypt key method.
<b>Common Config Encrypt key</b>	If the downloaded configuration files have been AES encrypted, the AES Keys will be needed. The Common AES Key is for decrypting the Common CFG file. The Config Encrypt Key is for decrypting the MAC-Oriented CFG file. The keys must be 64 characters and the supported characters are: 0 ~ 9, A ~ F, a ~ f.
<b>Protocol Type</b>	Select Protocol, including "FTP", "TFTP", "HTTP", and "HTTPS".
<b>Update Interval Time</b>	If you select <b>Time Interval</b> , you should fill out the update time, default is 1 hour.
<b>Update Mode</b>	Select "After reboot" or "Time interval".

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DPH-850S // BASIC NETWORK VOIP PHONE MAINTENANCE SECURITY LOGOUT

AUTO PROVISION

**Syslog Set**

Server IP:

Server Port:

MGR Log Level:

SIP Log Level:

Enable Syslog:

**APPLY**

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### SYSLOG interface

#### Syslog

Field name	Explanation
Server IP	Set Syslog server IP address.
Server Port	Set Syslog server port.
MGR Log Level	Set the level of MGR log.
SIP Log Level	Set the level of SIP log.
Enable Syslog	Select it or not to enable or disable syslog.

**D-Link**

DPH-850S // BASIC NETWORK VOIP PHONE MAINTENANCE SECURITY LOGOUT

AUTO PROVISION

SYSLOG

**CONFIG**

UPDATE

ACCOUNT

REBOOT

**Save Configuration**

Press the "Save" button to save the configuration files!

**Save**

**BackUp Configuration**

Save all Network and VoIP settings.

[Right Click here to Save as Config File\(.txt\)](#)

[Right Click here to Save as Config File\(.xml\)](#)

**Clear Configuration**

Press the "Clear" button to Clear the configuration files!

**Clear**

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### CONFIG interface

<b>Config</b>	
Field name	Explanation
<b>Save Config</b>	You can save all changes of configurations. Click the Save button, all changes of configuration will be saved, and be effective immediately.
<b>Backup Config</b>	Right clicks on “ Right click here...” and select “ Save Target As...” then you will save the config file in <b>.txt</b> or <b>.xml</b> format.
<b>Clear Config</b>	User can restore factory default configuration and reboot the phone. If you login as Admin, the phone will reset all configurations and restore factory default; if you login as Guest, the phone will reset all configurations except for VoIP accounts (SIP1-4) and version number.

The screenshot displays the D-Link web interface for a DPH-850S device. The top navigation bar includes 'BASIC', 'NETWORK', 'VOIP', 'PHONE', 'MAINTENANCE', 'SECURITY', and 'LOGOUT'. The left sidebar lists 'AUTO PROVISION', 'SYSLOG', 'CONFIG', 'UPDATE', 'ACCOUNT', and 'REBOOT'. The main content area is titled 'UPDATE' and is divided into two sections: 'Web Update' and 'FTP Update'. The 'Web Update' section features a 'Select file' input field, a '浏览...' (Browse) button, and an 'Update' button. The 'FTP Update' section contains several form fields: 'Server:', 'Username:', 'Password:', 'File Name:', 'Type:' (a dropdown menu currently showing 'Application update'), and 'Protocol:' (a dropdown menu currently showing 'FTP'). An 'APPLY' button is located at the bottom of the FTP Update section. The footer of the interface reads 'Copyright © 2010 D-Link International Pte. Ltd.'.

### UPDATE interface

<b>Update</b>	
Field name	Explanation
<b>Web Update</b>	Click the browse button, find out the config file saved before or provided by manufacturer, download it to the phone directly, press “ Update” to save. You can also update downloaded update file, firmware by web.

<b>FTP Update</b>	
<b>Server</b>	Set the FTP/TFTP server address for download/upload. The address can be IP address or Domain name with subdirectory.
<b>Username</b>	Set the FTP server Username for download/upload.
<b>Password</b>	Set the FTP server password for download/upload.
<b>File name</b>	Set the name of update file or config file. It depends on which <b>Type</b> you select to update. If you select <b>Config file import</b> , then you should input the config name which you want to import, such as config.txt .
<b>Notice:</b> You can modify the exported config file. And you can also download config file which includes several modules that need to be imported. For example, you can download a config file just keep with SIP module. After reboot, other modules of system still use previous setting and are not lost.	
<b>Type</b>	<p>Action type that system want to execute:</p> <ol style="list-style-type: none"> <li>1. Application update: download system update file</li> <li>2. Config file export: Upload the config file to FTP/TFTP server, name and save it.</li> <li>3. Config fie import: Download the config file to phone from FTP/TFTP server. The configuration will be effective after the phone is reset.</li> <li>4. Phone book export (.vcf, .csv, .xml): Upload the phonebook file to FTP/TFTP server, name and save it.</li> <li>5. PhoneBook import (.vcf, .csv, .xml): Download the phonebook file to phone from FTP/TFTP server.</li> </ol>
<b>Protocol</b>	Select FTP/TFTP server

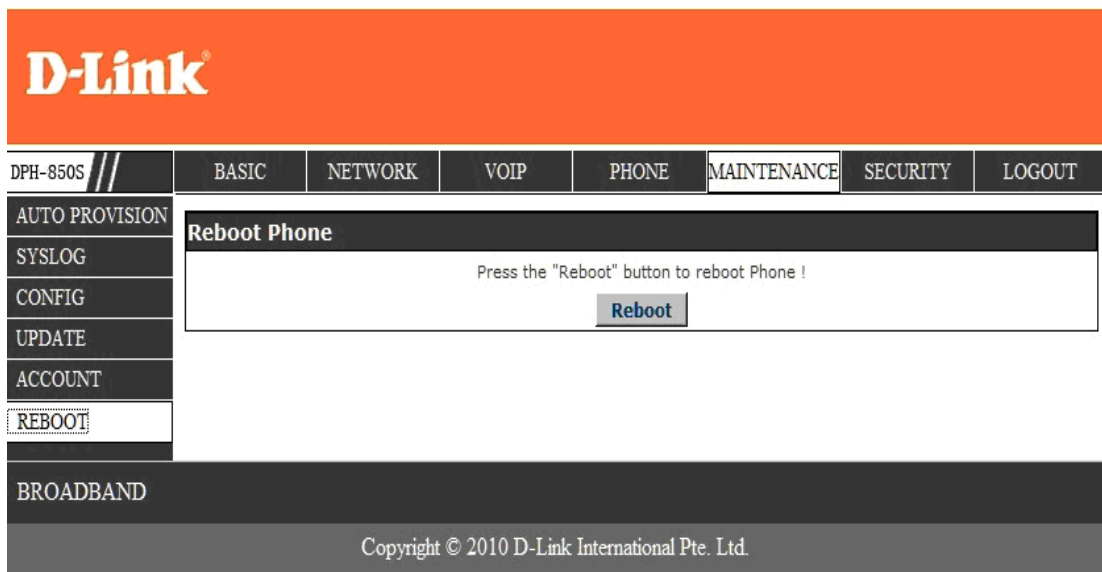
- **Account**

You can add or delete user account, and change the authority of each user account in this web page.

**ACCOUNT interface**

<b>ACCOUNT</b>	
<b>Field name</b>	<b>Explanation</b>
<b>User Set</b>	
<b>User Name, User Level, admin, Root, guest, General</b>	User-set Six configuration items.
<b>Add User</b>	
<b>User Name</b>	Set account user name.
<b>User Level</b>	Set user level. Root user has the right to modify configuration, General can only read.
<b>Password</b>	Set the password.
<b>Confirm</b>	Confirm the password.
<b>User Option</b>	
Select the account and click the <b>Modify</b> to modify the selected account, and click the <b>Delete</b> to delete the selected account. General user only can add the user whose level is General.	
<b>Telnet Option</b>	
<b>Telnet Enable</b>	Enable/Disable Telnet. If Enabled, you can use telnet command to logon the terminal.



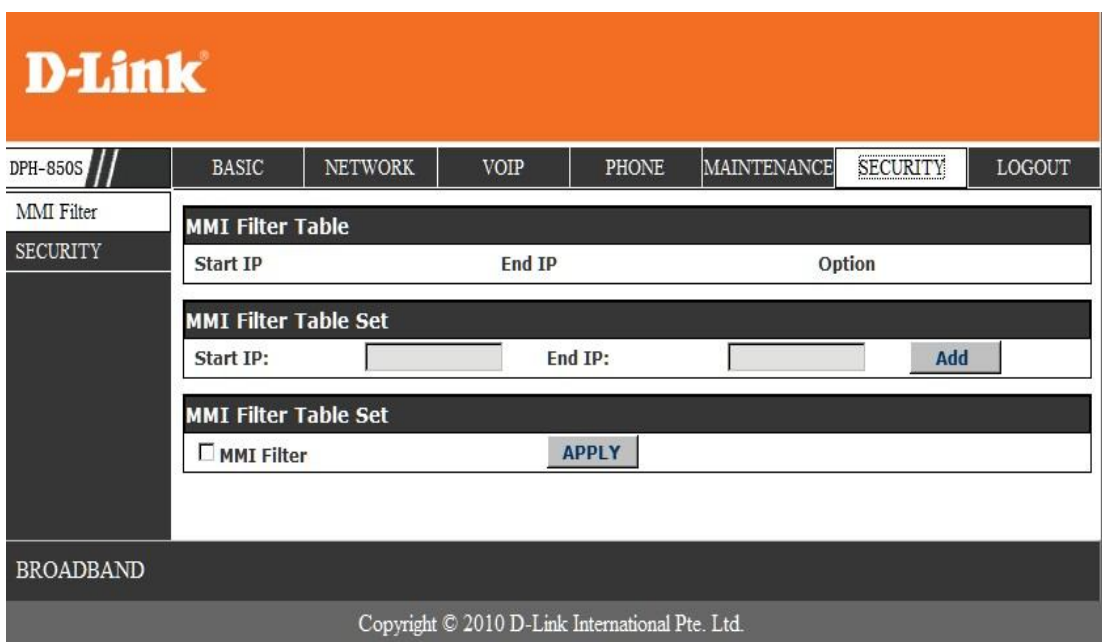


### REBOOT interface


<b>REBOOT</b>	
Field name	Explanation
<b>Reboot Phone</b>	Press the "Reboot" button to reboot Phone!

## 7.6 SECURITY

- **MMI FILTER**



### MMI FILTER interface

<b>MMI FILTER</b>	
<b>Field name</b>	<b>Explanation</b>
<b>MMI Filter Table Set</b>	 <p>Add the IP address segments that access to the phone. Set initial IP address in the Start IP column, Set end IP address in the End IP column, and click <b>Add</b> to add this IP segment.</p>
<b>MMI Filter Table Set</b>	Enable/Disable MMI Filter.

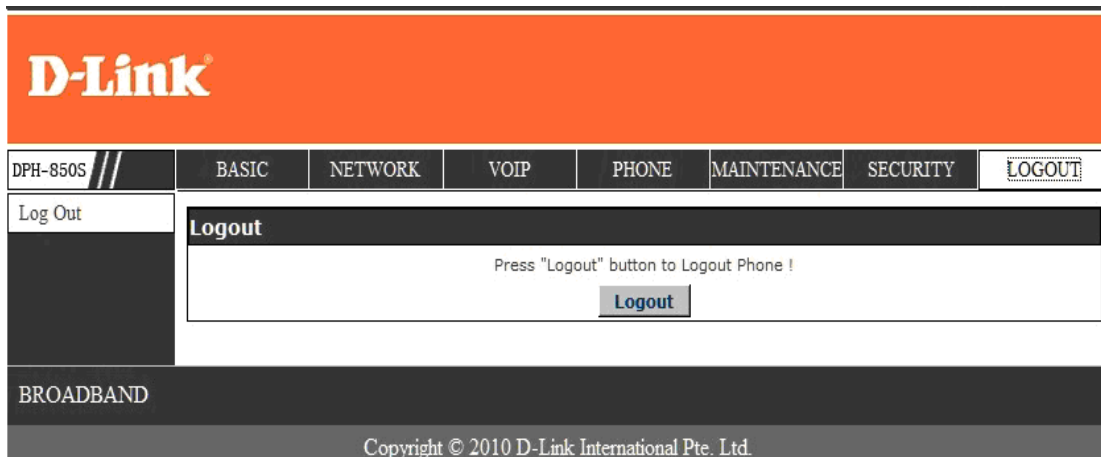


### SECURITY interface

<b>SECURITY</b>	
<b>Field name</b>	<b>Explanation</b>
<b>Update Security File</b>	Select the security file you want to update, then click "Update" to update.
<b>Delete Security File</b>	Select the security file you want to delete, then click "Delete" to delete.

## 7.7 LOGOUT

- LOGOUT



### LOGOUT interface

#### Logout

Field name	Explanation
LOGOUT	Click "Logout" and you will exit web page. If you want to enter it next time, you need input user name and password again.