

Notices Information

Copyright

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Safety cautions

- To use the Phone follow the instructions in this manual.
- To use the power adapter that delivered with the phone. Other power adapters may damage the phone.
- The phone is only for indoor use. And also avoid in high humidity, water and some other liquids.
- Do not use the phone during thunderstorms.
- CE
- FCC

WEEE Warning



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

Cleaning

To clean the device, use an anti-static cloth. Please avoid cleaning liquids as they might damage the surface or internal electronics of the phone.

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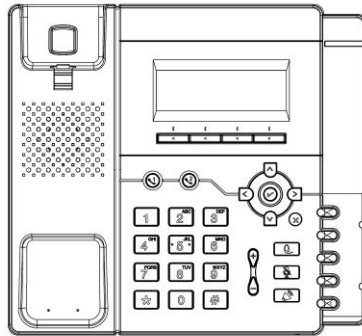
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Getting Started

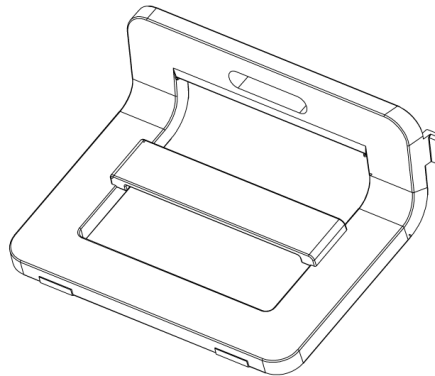
Packing List

The package contains the following parts, please check if all the items are not missed:

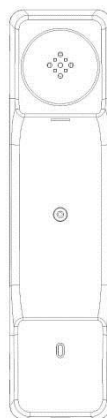
1. The phone device



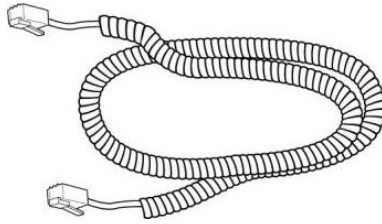
2. The footstand



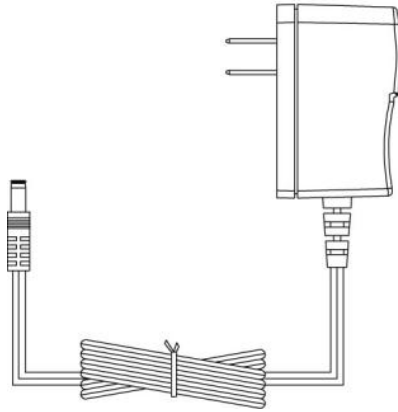
3. Handset



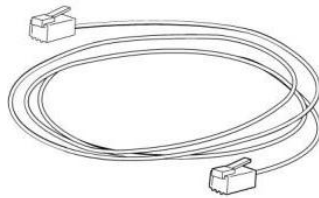
4. Headset cord



5. Power adapter



6. Ethernet cable

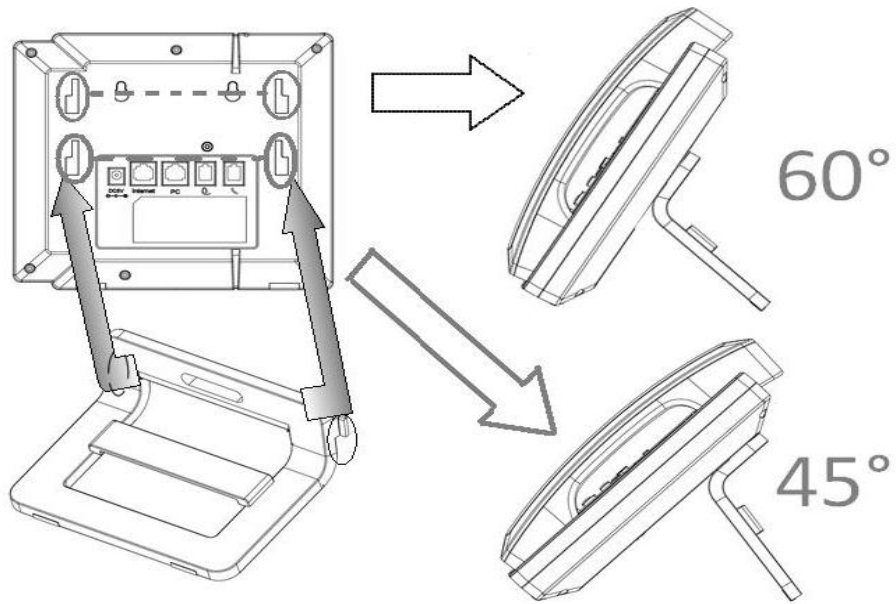


7. Quick installation reference

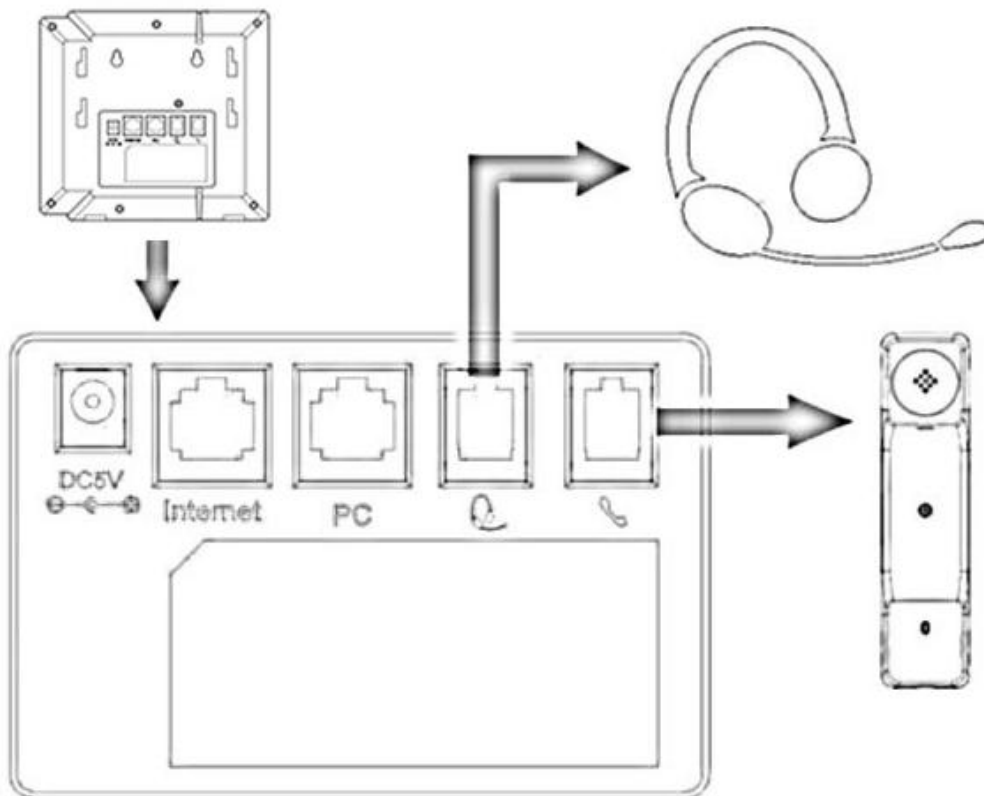


Phone Installation

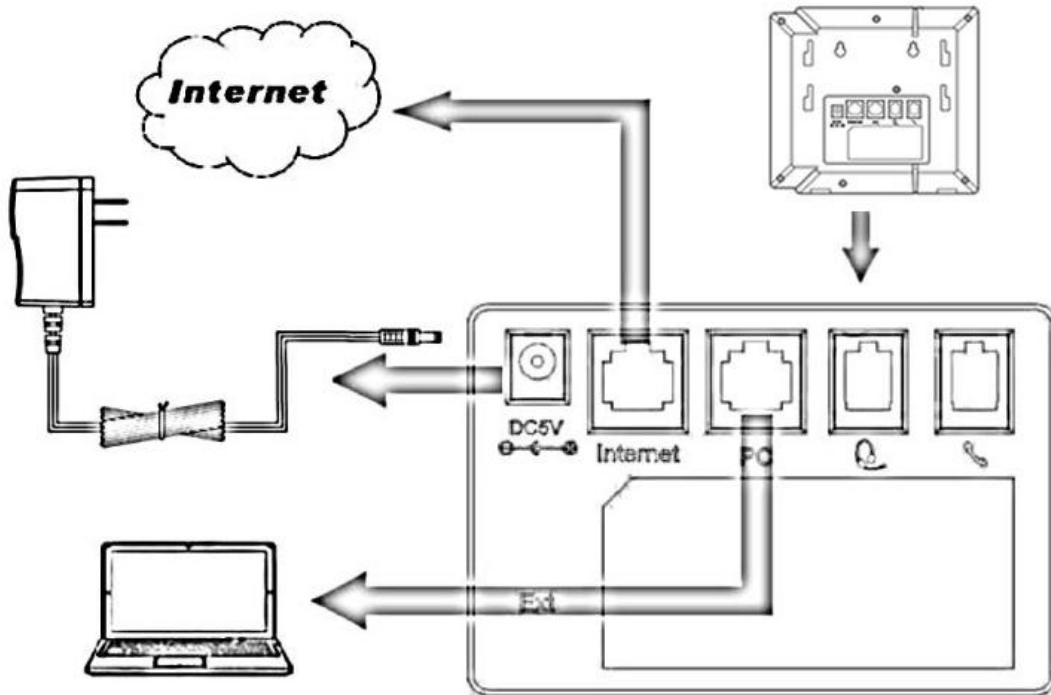
1. Attach the Foot stand



2. Connect the Handset and optional Headset



3. Connect the Network and Power

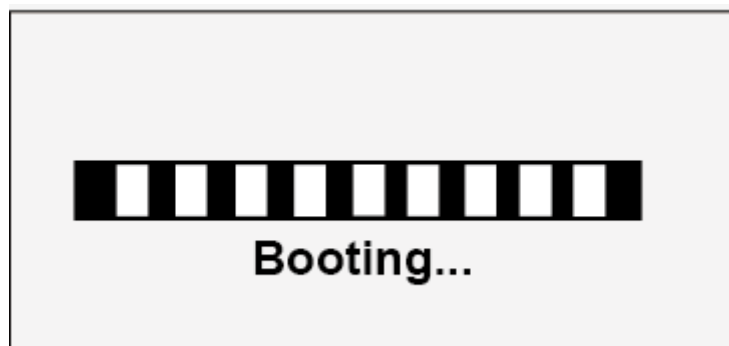


Initialization

After your phone has been powered up, the system boots up and performs the following steps:

Automatic Phone Initialization

The phone finishes the initialization process by loading the saved configuration. The phone LCD screen will display "Booting"



And then show "Initializing" during the initialization.



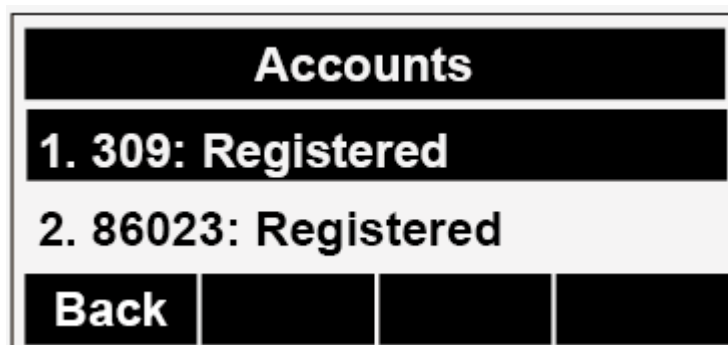
By default the phone attempts to contact a DHCP server in your network in order to obtain its valid network settings, e.g. IP address, subnet mask, default gateway, DNS server.

Status

You can view the system status of your phone via phone user interface or web user interface. The information of phone status includes: Information (e.g., Model, IP, MAC, Firmware, Hardware), Network(e.g., WAN Type, IP, Mask, LAN Type, Gateway, DNS...)Account (e.g., register status of accounts)

To view the phone status via phone interface:

1. Press Menu → Status → Information / Network
2. Press Menu → Status → Network
3. Press Menu → Status → Accounts



To view the phone status via Web interface:

Login webpage (for How to login, please refer to [Web Login](#))

View the information of Version, Account and Network.

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Status

- **Version** ?

Product Model	LV-2SB
Firmware Version	BOOT--1.0.3.34(2014-03-21 14:28:00) IMG--1.0.3.61(2014-06-20 14:11:00) DSP--9.0.3(Patch 1.0.0)
- **Account Status** ?

Account1	Registered
Account2	Unregistered
- **Network** ?

WAN Port Type	DHCP
WAN IP Address	172.16.32.161
Subnet Mask	255.255.255.0
Gateway	172.16.32.1
Primary DNS	8.8.8.8
Secondary DNS	0.0.0.0
MAC Address	00:1f:c1:1a:9f:5d
Device Type	Bridge
- **Memory Free** 45964 KB
- **System Up Time** 41 day(s) 1 hour(s) 34 min(s) 57 sec(s)
- **Restart**

NOTE

Version:
It shows product type and the version of firmware.

Account Status:
It shows the registered status of accounts.

Network:
It shows the information of WAN port and LAN ports.

System Up Time:
It shows the running time after device power up.

Restart:
This button will restart the voip application

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Registration

To register via phone interface:

Press Menu → Setting → Advanced settings (default password: admin) → Accounts

Select the desired account

Select Enable for Account active

Filled the SIP Server

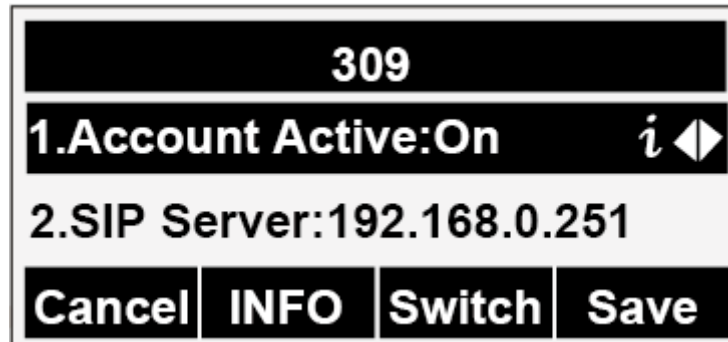
Filled the Failover SIP server if need (Optional)

Filled the Outbound Proxy (Optional)

Filled the SIP User ID, Authenticate ID

Filled the password, Name (shown on LCD) and Ringtone.

Press Save to save the configuration.



To register via web interface:

1. Login webpage and Click Account→Basic
2. Select the desired Account
3. Select Yes for Account Active
4. Filled the Primary SIP SERVER and other account information

[logout](#)

LAVA TELECOM [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Basic

Codec

Advanced

Account

Account 1 ▾

Account Status: Registered

* Account Active: No Yes

* Primary SIP Server: ?

Failover SIP Server: ?

Second Failover SipServer: ?

Prefer Primary SIP Server: No Yes ?

Outbound Proxy: ?

* SIP Transport: UDP TCP TLS ?

NAT Traversal: No No, but send keep alive STUN

* SIP User ID: ?

* Authenticate ID: ?

* Authenticate Password: ?

Name: ?

DNS Mode: A Record SRV NAPTR/SRV

User ID Is Phone Number: No Yes

SIP Registration: No Yes

Unregister On Reboot: No Yes

Register Expiration: ?

Outgoing Call Without Registration: No Yes

Local SIP Port: ?

NOTE

* fields must be filled and require a phone restart

Basic:
The Basic Parameters set for administrator

Codecs:
Choose the codecs you want to use.

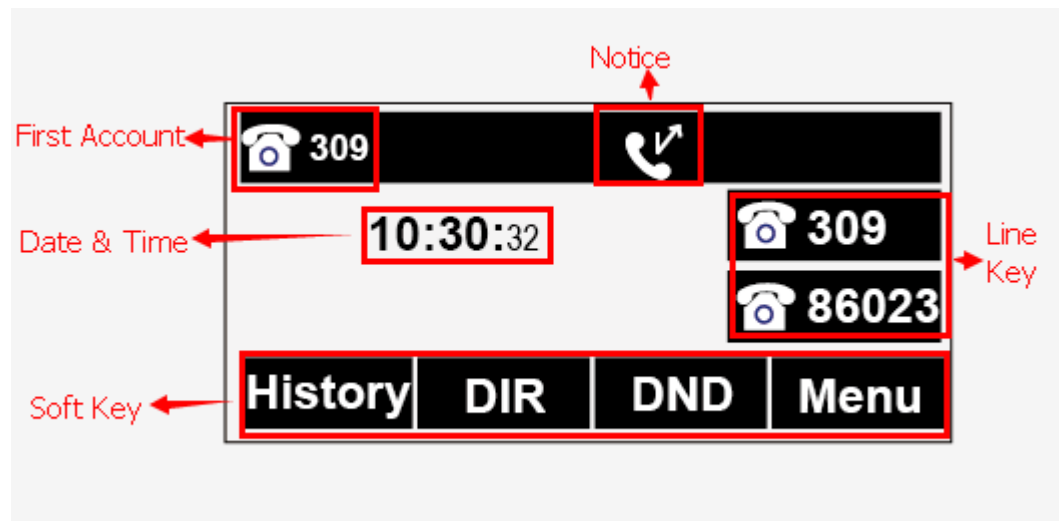
Advanced:
The Advanced parameters for administrator.



5. Click SaveSet to save the configuration.

Note:

1. All fields with * must be filled. If changed, it requires a phone restart.
2. Account Status says the account registered successfully or not.
3. When change the account information via phone, it will shown Restart note when back to idle page.

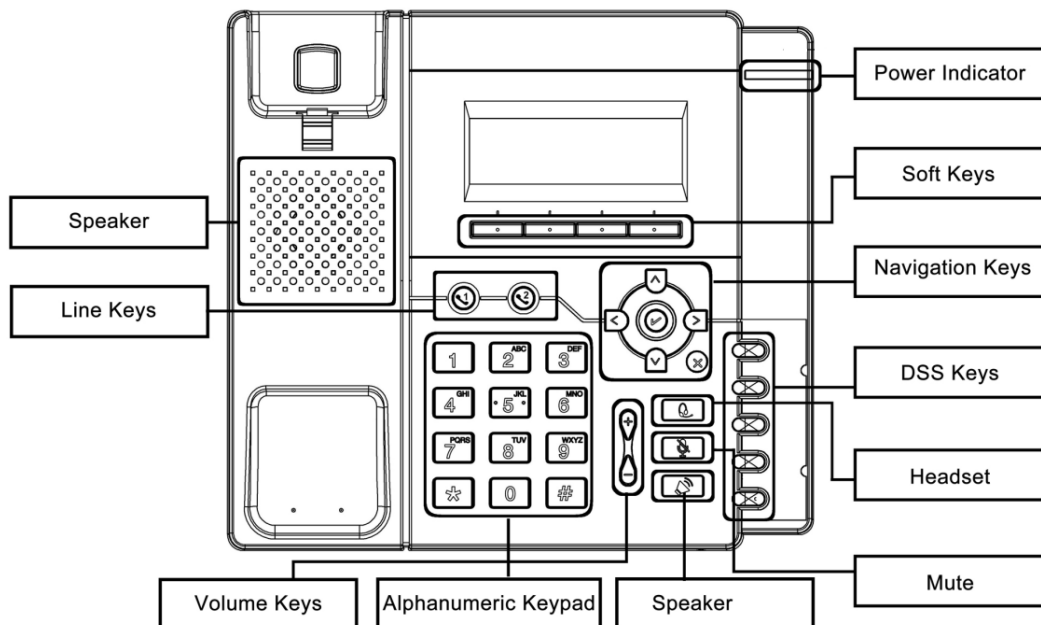
Idle Screen










Name	Description
1. Date&Time	It shows the phone's time & date. For Date&time setting, see Time&Date
2. Notice	It shows the phone features status, More see Icon Preview
3. Line Keys	This area shows the four line key labels. Line keys are also can be used as other function keys. For more information you can refer to Memory Keys
4. Soft Key	This area shows the soft key labels. The default soft key labels are "History", "Directory", "DND" and "Menu". More to see Programmable Key
5. First Account	This shows the first account. User can use to   change the default use account.





Getting Familiar with Your Phone

Hardware Components Preview















Item	Description
LCD screen	To Presentation all information about the date& time, accounts, soft keys, messages, calls and other some information.
Power Indicator LED	To indicate the power status
Line keys	The phone supported up to 4 accounts 1. Steady green: idle interface, during a call.. 2. Blink red: a call incoming
Soft keys	Labels automatically to identify their context-sensitive features.
Navigation keys	<p>  1. OK. </p> <p>  Up arrow key: To move up of the selection shows on the screen. </p> <p>  Right arrow key: To move right of the selection shows on the screen. </p> <p> Left arrow key: To move left of the selection shows on the screen. </p> <p>  Down arrow key: To move down of the selection shows on the screen. </p>

	  <ol style="list-style-type: none"> 1. To return to idle screen. 2. To cancel the information or call on the screen.
Mute key	 <ol style="list-style-type: none"> 1. To mute the voice during the call (green light). 2. To un-mute the call.
Memory Keys	<p>To be configured as different function as:</p> <ol style="list-style-type: none"> 1. Line 2. Speed Dial 3. BLF 4. BLF List 5. Voice mail 6. Direct Pickup 7. Group Pickup 8. Call Park 9. Intercom 10. DTMF 11. Prefix 12. Hold 13. Conference 14. DND 15. Redial 16. Transfer 17. SMS 18. Hot -desking 19. Call Return 20. Paging 21. Record 22. Shared Line <p>The LED lights status when set as Shared line:</p> <ul style="list-style-type: none"> Stay green: Idle Stay red: Busy Blinked green: Ring Back Blinked red: A call incoming Steady orange: During a call Blinked orange: Public Hold Blinked green: Private Hold Light Drown: Unregistered
Speaker	 <p>Press this button to place a call in hands-free mode.</p>

Volume	 To decrease the volume.  To increase the volume.
Alphanumeric keypad	To enter the phone numbers, letters and so on.
Message	 To indicator the New message, and press to read.
Headset	 To indicate that the phone is or not in Headset mode.

Icon Preview

Icon	Description
	Network
	Registered succeed
	Unregistered
	Speakerphone mode
	Handset mode
	Headset mode
	Mute
	Forward
	Do Not Disturb
	Received calls

	Dialed Calls
	Missed calls
	Forward calls

LED Instruction

This part mainly instructs the LED status. The Power LED Status describe on the premise that the LED setting all set as Yes. For LED status setting, please refer to: [LED Status Setting](#)

Power Indicator LED

LED Status	Description
Blinked green	Ringling or have missed call
Steady Green	Idle status(Power on)
Off	Powered off.

Line LED:(Line or Memory Key set as Line)

LED Status	Description
Steady Green	Hold
Steady Green	Off hook or during a conversation.
Blinked red	Ringling.
Off	Idle status

BLF or BLF List Key LED :(Line/Memory Key set as BLF)

LED Status	Description
Steady Green	Idle status for the monitored line
Steady Red	The monitored line is calling or during a call
Blinked red	The monitored line is ringing.

Off	All other unknown status
-----	--------------------------

Shared Line Key LED :(Line/Memory Key set as Shared Line)

LED Status	Description
Stay green	Idle status
Stay red	The line is busy
Blinked green	Ring Back, Private hold
Blinked red	The line is ringing
Steady orange	During a Call
Blinked orange	Public Hold
Off	Unregistered

Other Key Led

Key	Description
Headset Key	When use in headset mode, the led is steady green or the LED is off.
Message Key	Blinked green when there is new messages or the LED is off.
Mute Key	Red when the mute the call, or the LED is off.

User Interface

There are two ways to customize specific configurations on your IP phone:

- The user interface on the IP phone
- The user interface in a web browser on your PC

The hardware components keypad and LCD screen constitute the phone user interface, which allows the user to execute all call operation tasks and basic configuration changes directly on the

phone. In addition, you can use the web user interface to access all configuration settings. In many instances, it is possible to use both the phone user interface and the web user interface to operate the phone and change settings. However, in some instances, it is only possible to use the phone or the web user interface.

Phone Interface Overview

Option	
Status	Model
	IP
	MAC
	Firmware
	Hardware
	Network
	Account
Features	Call Forward
	Function Key(Line and Memory key setting) More Key see Memory Key Overview
	Key as Send
	Hot Line
	Anonymous Call
	DND
	History Setting
Basic Settings	Language
	Time & Date
	Time & Date Format
	DHCP Time
	Ring tone
	Front Size
Advanced Settings	Account Registration
	Network
	Lock
	Factory Reset
	Password
	Auto provision
Directory	Add, view and delete
History	View and delete
Message	Voice Mail set and View.
Display	Display Mode
	Screensaver

Memory Key Function Overview

<u>Line</u>
<u>Speed Dial</u>
<u>BLF</u>
<u>BLF List</u>
<u>Voice Mail</u>
<u>Direct Pick Up</u>
<u>Group Pick Up</u>
<u>Call Park</u>
<u>Intercom</u>
<u>DTMF</u>
<u>Prefix</u>
<u>Local Group</u>
<u>XML group</u>
<u>LDAP</u>
<u>XML Browser</u>
<u>Broadsoft group</u>
<u>Conference</u>

<u>Forward</u>
<u>Transfer</u>
<u>Hold</u>
<u>Group Listening</u>
<u>DND</u>
<u>Redial</u>
<u>Call Return</u>
<u>SMS</u>
<u>Record</u>
<u>URL Record</u>
<u>Paging</u>
<u>Shared Line</u>
<u>Public Hold</u>
<u>Private Hold</u>

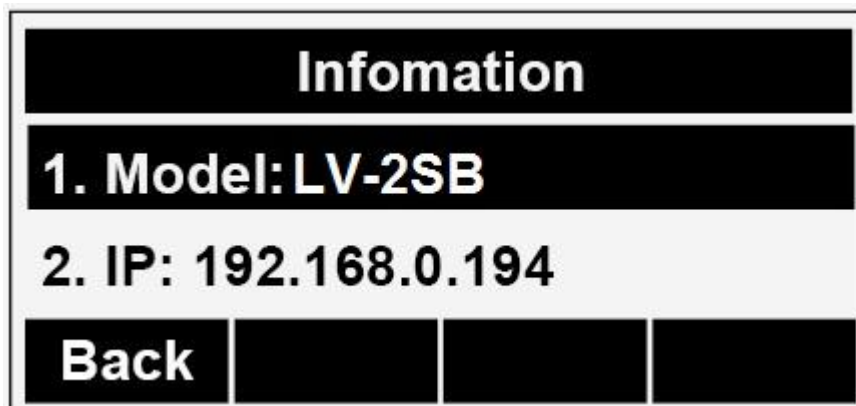
Basic Features Configuration

This part will mainly introduce the basic configuration as the Time, Language, and Volume...



Web Login

1. Get the IP address: Press Menu → Status → Information



2. Input the IP Address in the web browser.
3. Input the user name (default is admin), password (default is admin).
4. Login successfully.

The screenshot shows the LAVA TELECOM web interface. At the top, there is a navigation bar with links: Home, Account, Network, Function Keys, Setting, Directory, and Management. A 'logout' link is also present in the top right corner. The main content area is divided into several sections:

- Status:** A sidebar menu item.
- Version:**
 - Product Model: LV-2SB
 - Firmware Version: BOOT--1.0.3.34(2014-03-21 14:28:00), IMG--1.0.3.61(2014-06-20 14:11:00), DSP--9.0.3(Patch 1.0.0)
- Account Status:**
 - Account1: Registered
 - Account2: Unregistered
- Network:**
 - WAN Port Type: DHCP
 - WAN IP Address: 172.16.32.161
 - Subnet Mask: 255.255.255.0
 - Gateway: 172.16.32.1
 - Primary DNS: 8.8.8.8
 - Secondary DNS: 0.0.0.0
 - MAC Address: 00:1fc1:1a:9f:5d
 - Device Type: Bridge
- Memory Free:** 45964 KB
- System Up Time:** 41 day(s) 1 hour(s) 34 min(s) 57 sec(s)
- Restart:** A button labeled 'Restart'.

On the right side, there is a 'NOTE' section with the following text:

- Version:** It shows product type and the version of firmware.
- Account Status:** It shows the registered status of accounts.
- Network:** It shows the information of WAN port and LAN ports.
- System Up Time:** It shows the running time after device power up.
- Restart:** This button will restart the voip application.

At the bottom of the page, there is a copyright notice: Copyright © 2005-2014 All Rights Reserved.

Note:


The PC and phone should be in the same segment.

When register the accounts in web and the server port is not “5060”, then “SIP Server” should be set as “SIP Server’s IP address: server port.”, for example, “192.168.0.122: 5090”.

Administrator Password

The password is mainly used for login the web interface or set the advanced settings through phone interface. And the default password of the administrator is: **admin**

To change to password via Phone Interface

1. Press Menu → setting → Advanced settings → password (default admin) → Phone Setting → Set Password
2. Enter the current PWD (password), new password and confirm the new password.
3. Press save soft key or  to save the new password.

Set Password

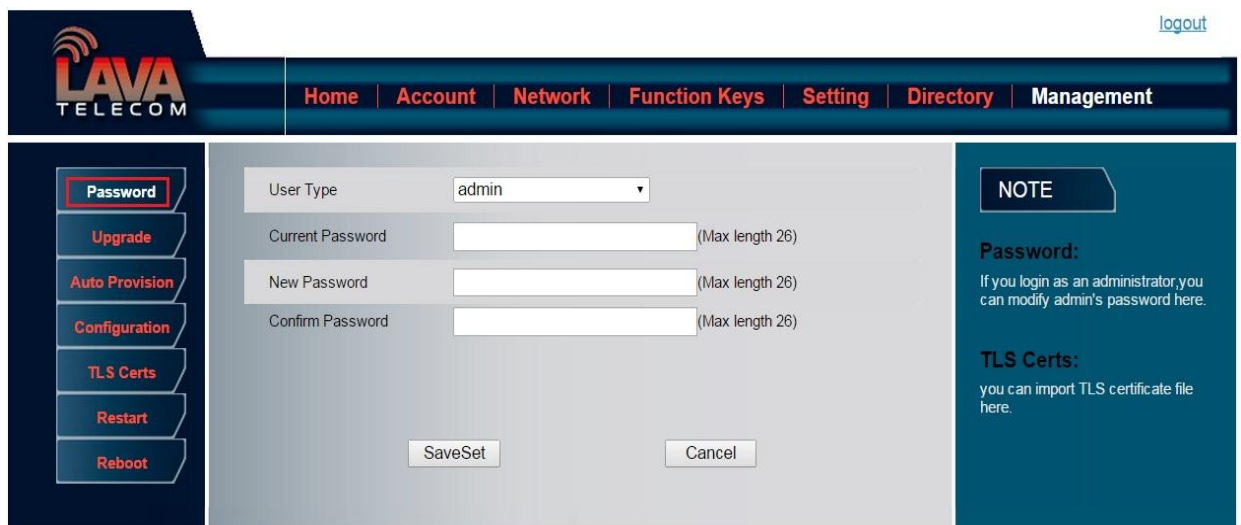
1. Current PWD: |

2. New PWD:

Cancel
2aB
Delete
Save

To change to password via Web Interface

1. Management → Password
2. Fill the value
3. Click SaveSet to save the configuration.



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Note:

When you use the web interface: user name: admin password: admin(default)

Basic Network Setting

Lava IP Phone support three mode of Network: DHCP, Static, and PPPoE. The default mode is DHCP, it will obtain IP address and other information automatically.

If your phone cannot contact a DHCP server for any reason, you need to configure a static IP

address manually.

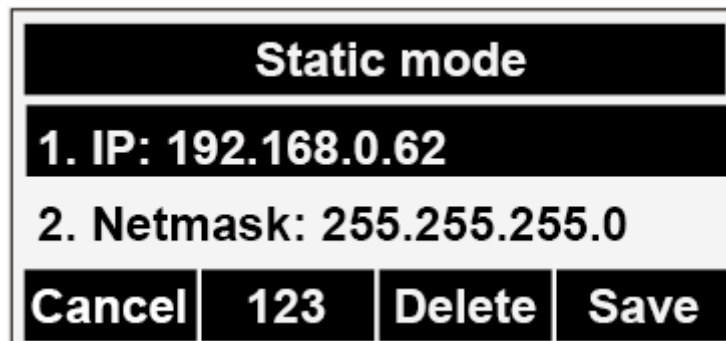
When switch DHCP, Static IP and PPPoE to each other, or change the Static IP on webpage, it will show the warning of restart as following.



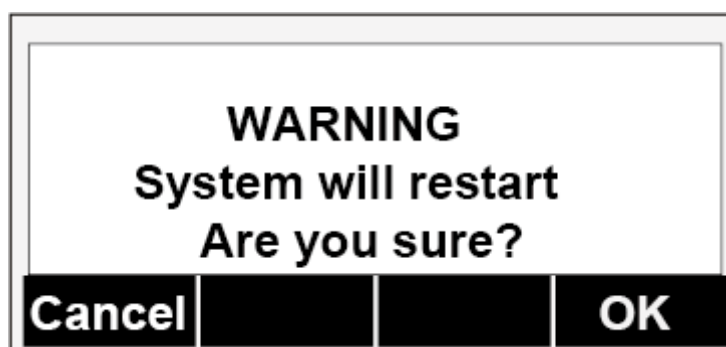
WAN Port

To configure a static IP address via phone interface:

1. Press Menu→Setting→Advanced Settings (password: admin) →Network→WANPort →Static mode.
2. Enter the parameters: IP, Netmask, Gateway, Pri. DNS (primary dns), sec. DNS(second DNS) in the corresponding fields.



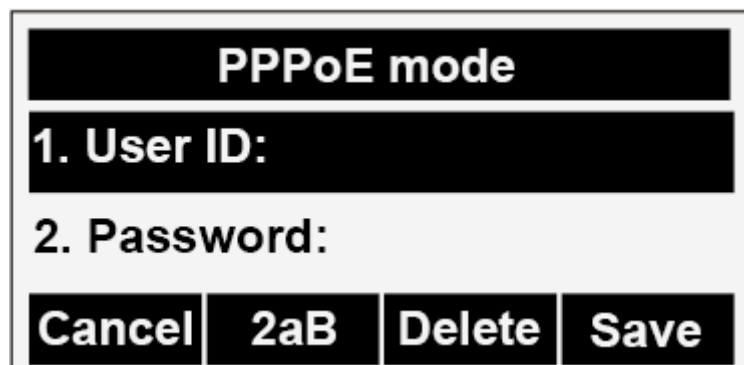
3. Click Save and restart the phone.



Press the Save soft key to accept the change or the Back soft key to cancel. If you are using an xDSL modem, you can connect your phone to the Internet via PPPoE mode. You can set a WAN port to be a PPPoE port. The PPPoE port will perform a PPP negotiation to obtain the IP address. Contact your system administrator for the PPPoE user name and password.

To configure PPPoE via phone interface:

1. Press Menu→Setting→Advanced Settings (password: admin) →Network→WANPort →PPPoE mode.
2. Enter the User ID and password
3. Click Save and restart the phone.



The image shows a screenshot of a phone's configuration menu for PPPoE mode. The title is "PPPoE mode". Below the title are two input fields: "1. User ID:" and "2. Password:". At the bottom of the screen, there are four buttons: "Cancel", "2aB", "Delete", and "Save".

To configure DHCP via phone interface:

1. Press Menu→Setting→Advanced Settings (password: admin) →Network→WANPort →DHCP mode.
2. Click Save and restart the phone.

To configure Network via web interface:

1. Click Network→Basic
2. Select the desired Type: DHCP, Static or PPPoE
3. Filled the necessary information.
4. Click the SaveSet and restart the phone.

[logout](#)

LAVA TELECOM [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Basic

Advanced

● WAN

DHCP ?

DHCP HostName

DHCP Domain

DHCP Vendor Class Id

DHCP User Class

Static IP Address ?

IP Address

Subnet Mask

Default Gateway

Primary DNS

Secondary DNS

PPPoE ?

Account ID

PassWord

Service Name

Preferred DNS Server

Reply To ICMP No Yes

WAN Http Access No Yes

● PC Port

As Bridge ?

As Router ?

NOTE

DHCP:
The network configuration will be acquired from DHCP server.

Static IP Address:
Specify the IP address SubnetMask Default Gateway Primary DNS Secondary DNS fields manually.

PPPoE:
Contact your ISP if it should be used.

Note:

Wrong network parameters may result in inaccessibility of your phone and may also have an impact on your network performance. For more information about these parameters, contact your system administrator.

PC Port

Two modes for PC port: bridge and router.

To configure PC Bridge via Phone interface:

1. Press Menu → Setting → Advanced Settings (password: admin) → Network → PC Port → Bridge mode.
2. Click Save and restart the phone.

To configure PC router via Phone interface:

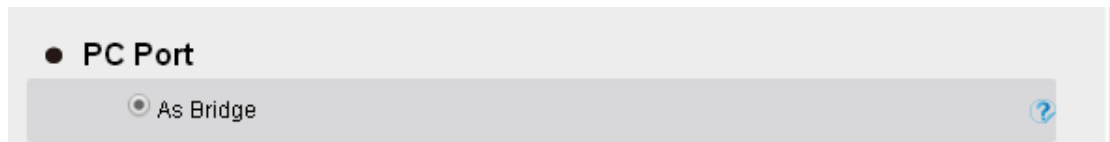
1. Press Menu → Setting → Advanced Settings (password: admin) → Network → PC Port → Router

mode.

2. Enter the IP, Netmask and DHCP server
3. Click Save and restart the phone.

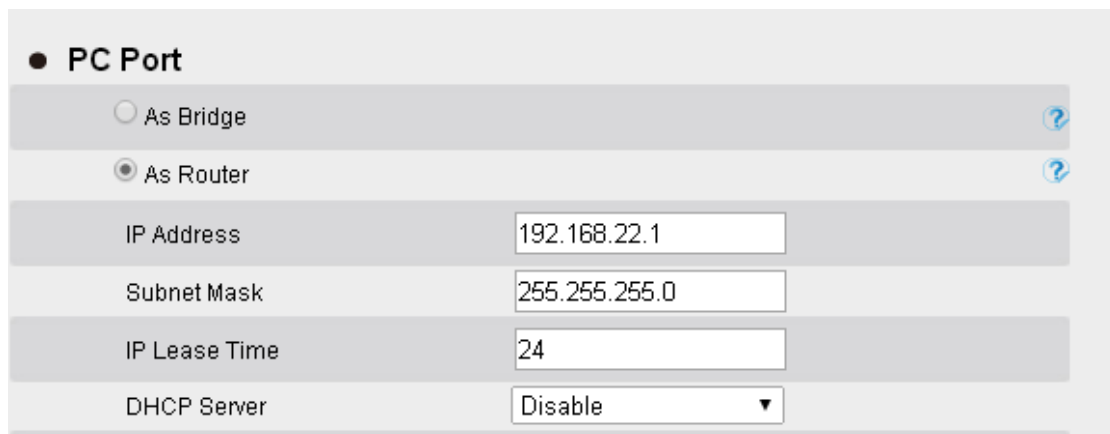
To configure Bridge via web interface:

1. Click Network→Basic
2. Select As Bridge
3. Click and restart the phone



To configure Router via web interface:

1. Click Network→Basic
2. Select As Router
3. Fill the IP address and other necessary information.
4. Click and restart the phone




Language

The default Phone interface language is English.

To change the language via Phone interface

1. Press Menu → Setting → Basic Settings → Language.


2. Press  or Save soft key to save the configuration.

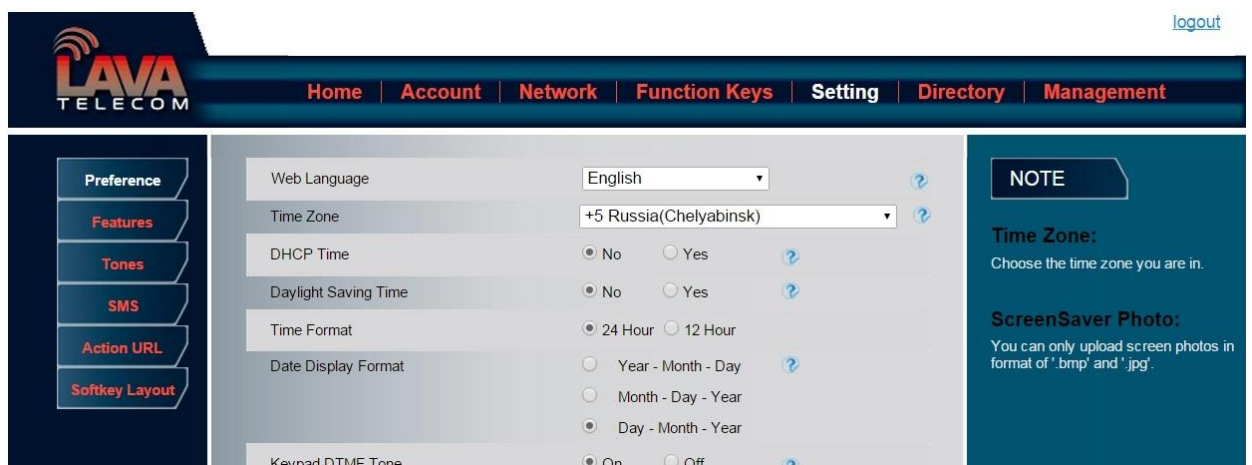


To change the language via Web Interface

1. Setting → Preference → Web Language

2. Select the necessary one.

3. Press  to save the configuration.






Note:

All languages may not be available for selection. The available languages depend on the language packs currently loaded to the IP phone.


Time and Date

The time and date show on the idle page, and it can be set and change by SNTP server automatically or manual setting.




To configure the time and Date by SNTP setting

1. To press Menu → Setting → Basic setting → Time & Date → SNTP Settings
2. Press  or , or Info soft key to change the Time zone.
3. Fill the NTP server1, NTP Server2, and Daylight Saving.
4. Press  or Save soft key to save the configuration.





Note:


Press , all zone will show on the display, select the one you want and press save or confirm key to save the configuration.

To configure time and date manually

1. To press Menu → Setting → Basic setting → Time & Date → Manual Settings
2. Press  and  or change the right time, or you can input the right time.
3. Press  or Save soft key to save the configuration.



To configure the Time & Date Format


1. To press Menu → Setting → Basic setting → Time & Date Format
2. Press  and  or press Info to change between 12 Hour or 24 Hour.
3. Press  and  or press Info to change among Y-M-D(year-month-day), M-D-Y(month-day-year), D-M-Y(day-month-year).

4. Press  or Save soft key to save the configuration.

To configure the DHCP time

1. To press Menu → Setting → Basic setting → DHCP time

2. Press  and  or press Info to change between Disable and Enable.

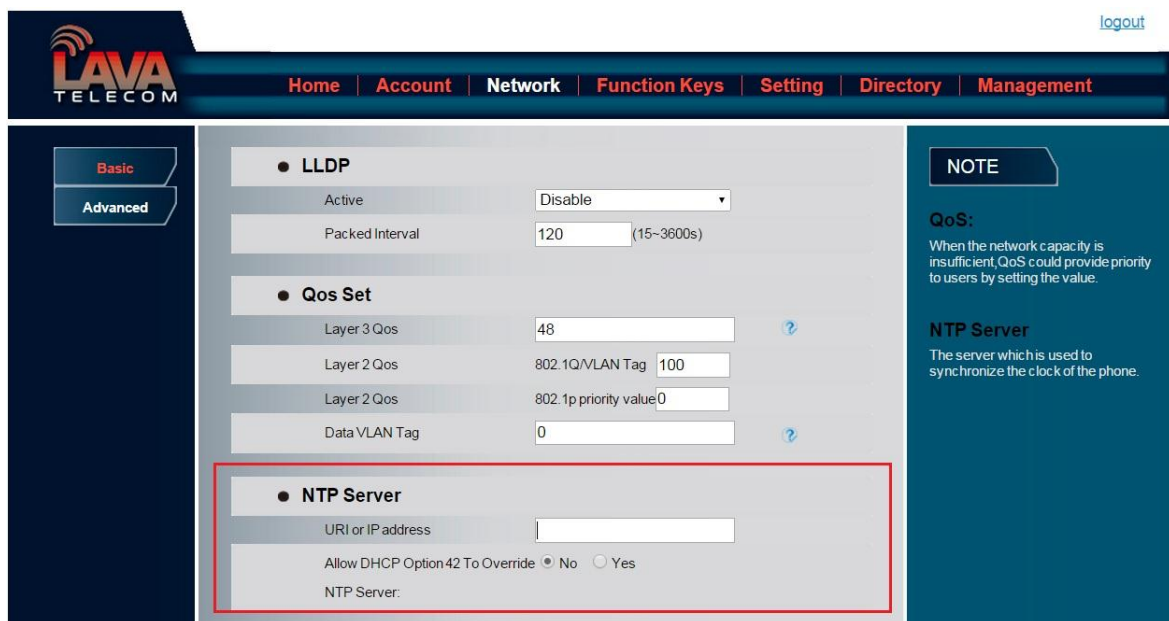
3. Press  or Save soft key to save the configuration.

To configure the Time and Date by web interface

1. Login name: admin, password: admin (default)

2. Network → Advanced → NTP Server

3. Fill the value in the blank.



The screenshot shows the LAVA Telecom web interface. The top navigation bar includes 'Home', 'Account', 'Network', 'Function Keys', 'Setting', 'Directory', and 'Management'. The 'Setting' tab is active. The left sidebar has 'Basic' and 'Advanced' tabs. The main content area is titled 'NTP Server' and contains the following configuration options:

- LLDP**
 - Active:
 - Packed Interval: (15-3600s)
- QoS Set**
 - Layer 3 QoS:
 - Layer 2 QoS: 802.1Q/VLAN Tag
 - Layer 2 QoS: 802.1p priority value
 - Data VLAN Tag:
- NTP Server** (highlighted with a red box)
 - URI or IP address:
 - Allow DHCP Option 42 To Override: No Yes
 - NTP Server:

On the right side, there is a 'NOTE' section with the following text:

NOTE

QoS:
When the network capacity is insufficient, QoS could provide priority to users by setting the value.

NTP Server
The server which is used to synchronize the clock of the phone.

To change the Time Zone and Date Display Format via web interface

1. Setting → Preference → Time Zone

2. Select the necessary one.

3. Press  to save the configuration.

[logout](#)

LAVA TELECOM [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Preference

Features

Tones

SMS

Action URL

Softkey Layout

Web Language	English	?
Time Zone	+5 Russia(Chelyabinsk)	?
DHCP Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	?
Daylight Saving Time	<input checked="" type="radio"/> No <input type="radio"/> Yes	?
Time Format	<input checked="" type="radio"/> 24 Hour <input type="radio"/> 12 Hour	
Date Display Format	<input type="radio"/> Year - Month - Day ? <input type="radio"/> Month - Day - Year <input checked="" type="radio"/> Day - Month - Year	
Keypad DTMF Tone	<input checked="" type="radio"/> On <input type="radio"/> Off	?

NOTE

Time Zone:
Choose the time zone you are in.




ScreenSaver Photo:
You can only upload screen photos in format of '.bmp' and '.jpg'.

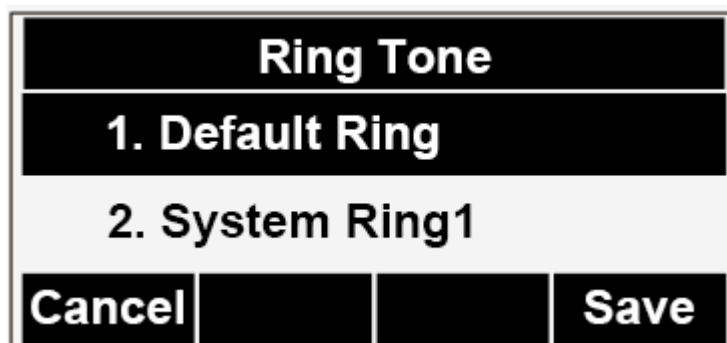
Note:
If the IP Phone cannot obtain the time and date from the Simple Network Time Protocol (SNTP) server, please contact your system administrator for more information.

Ring Tone

You can adjust the type and volume of the ring tone.

To adjust the Ring Tone Type via Phone interface


1. Press Menu → Setting → Basic Settings → Ring Tone.
2. Press  and  to select the aimed one.
3. Press  or Save soft key to save the configuration.

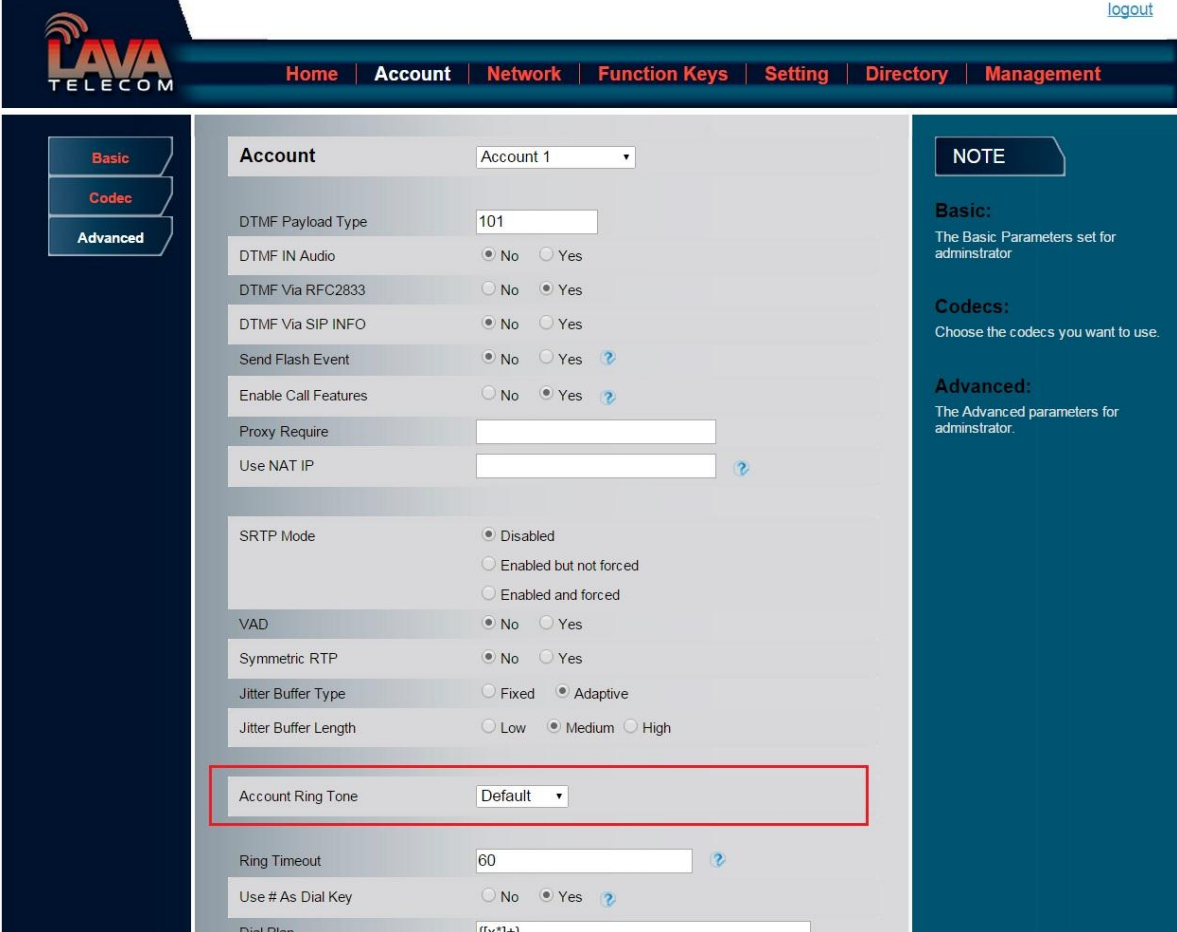


To adjust the Ring Tone Type via Web Interface

1. Account → Advanced → Account Ring Tone

2. Select the wanted one

3. Click  to save the configuration.





The screenshot shows the LAVA TELECOM web interface. The top navigation bar includes 'Home', 'Account', 'Network', 'Function Keys', 'Setting', 'Directory', and 'Management'. The left sidebar has 'Basic', 'Codec', and 'Advanced' tabs. The main content area is titled 'Account' and shows a dropdown menu for 'Account 1'. Below this, there are various configuration options with radio buttons and text input fields. The 'Account Ring Tone' dropdown menu is highlighted with a red box. The right sidebar contains a 'NOTE' section with instructions for Basic, Codecs, and Advanced parameters.

To configure Distinctive Ring Tone via Phone Interface

1. Press Directory

2. Select the target contact




3. Press Detail soft key to edit the contact.

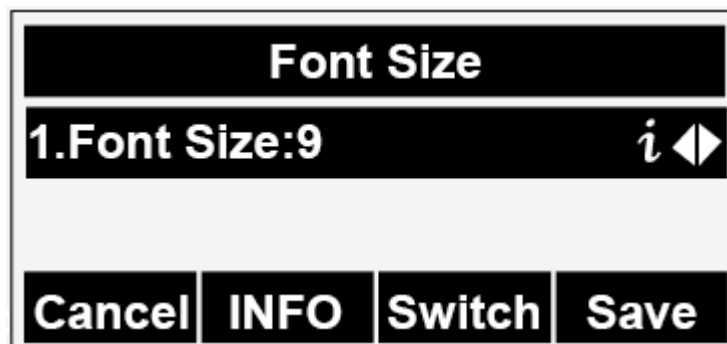
4. Press  and  to select the wanted Ring Tone for the contact

5. Press Save soft key to save the contact.

Font Size

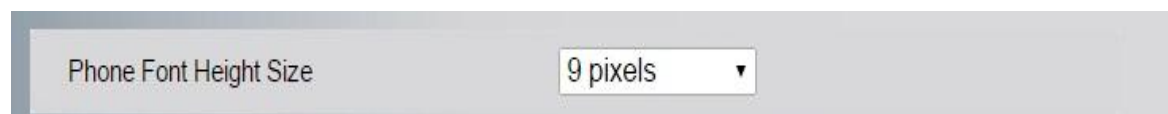
To configure the Time & Date Format via phone interface

1. To press Menu → Setting → Basic setting → Font Size
2. Press  and  to choose the desired font size:8, 9, 10, 11.
3. Press  or Save soft key to save the configuration.





To configure Font Size via Web Interface



1. Setting → Preference
2. Find **Phone Font Height Size** and then choose the desired: 8/9/10/11.
3. Click **SaveSet** to save the configuration.

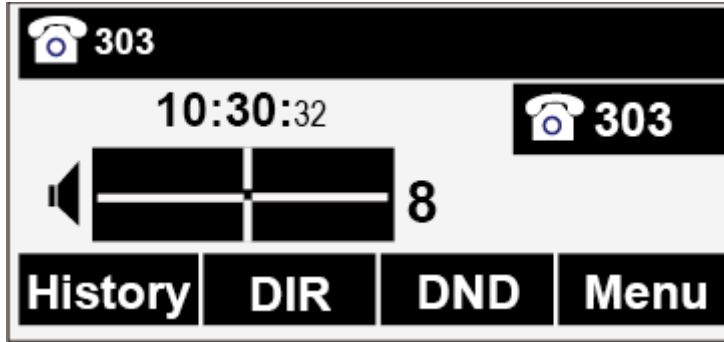




Volume

You can adjust the volume for the phone by the volume keys:  and .



To adjust the Ring tone volume

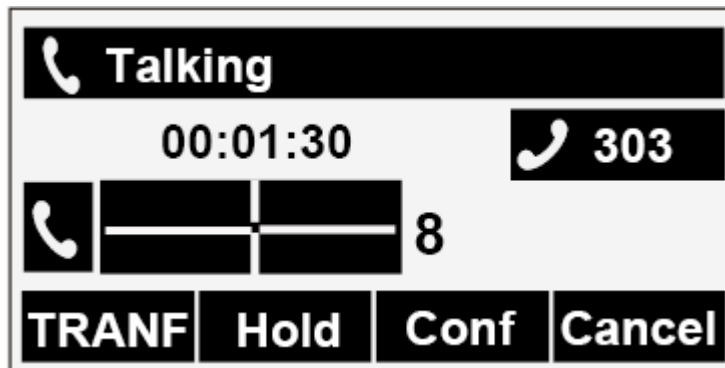
1. Option 1: To press  and  on the idle page





2. Option 2: To press  and  during the call is ringing.

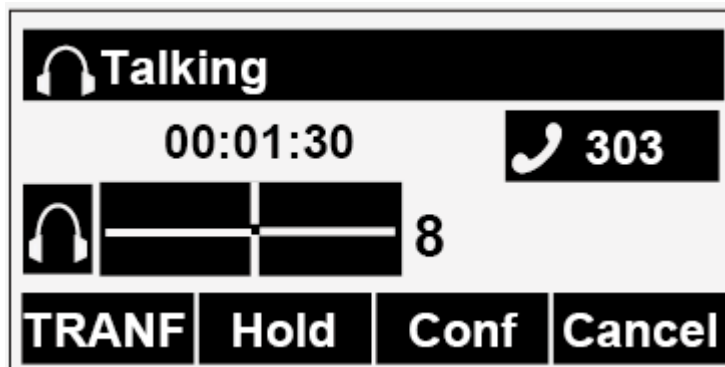
To adjust the handset volume

To press  and  during a call in handset mode.





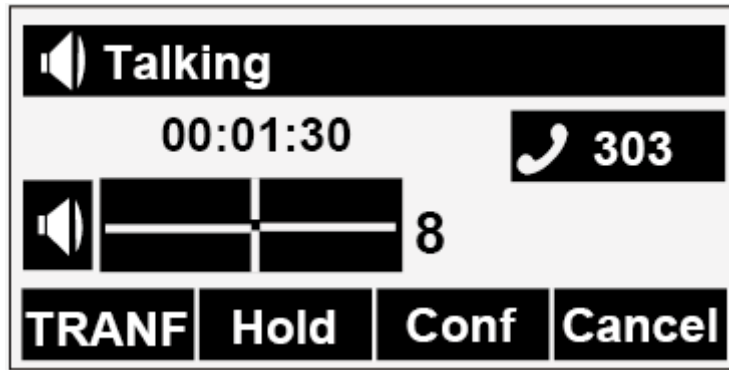
To adjust the headset volume

To press  and  during a call in headset mode.



To adjust the speaker Volume

To press  and  during a call in speaker mode.



Screen Saver




There are two types of screen saver: Time & Logo, Logo only.

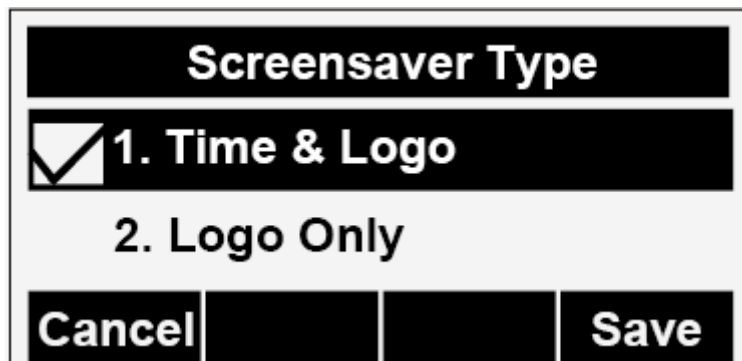
Time & Logo: when the screensaver works, it will show Time and logo in turns.

Logo only: when the screensaver works, it will show logo in turns.




Text logo: It works with the **Time & Logo**, when enter the value, it will display the time and the entered value in turns.

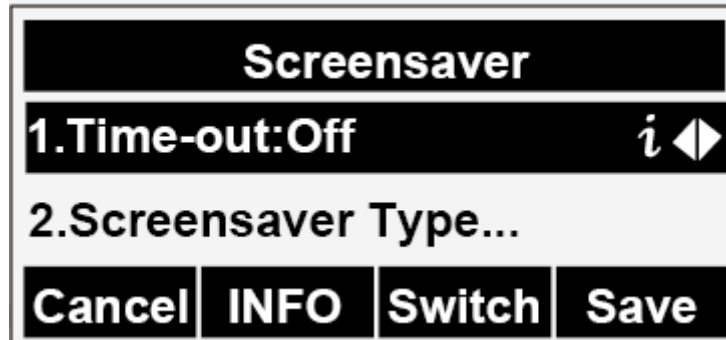
To enable screen saver via Phone interface:

1. To press Menu → Setting → Basic Setting → Screensaver..
2. Press  and  or press Switch soft key to Choose the Time-out as 1 min or 2/5/10/30 minute.
3. Enter the Screensaver Type to choose one of the type: Logo only, Time & Logo
4. Press  or Save soft key to save the selected configuration.




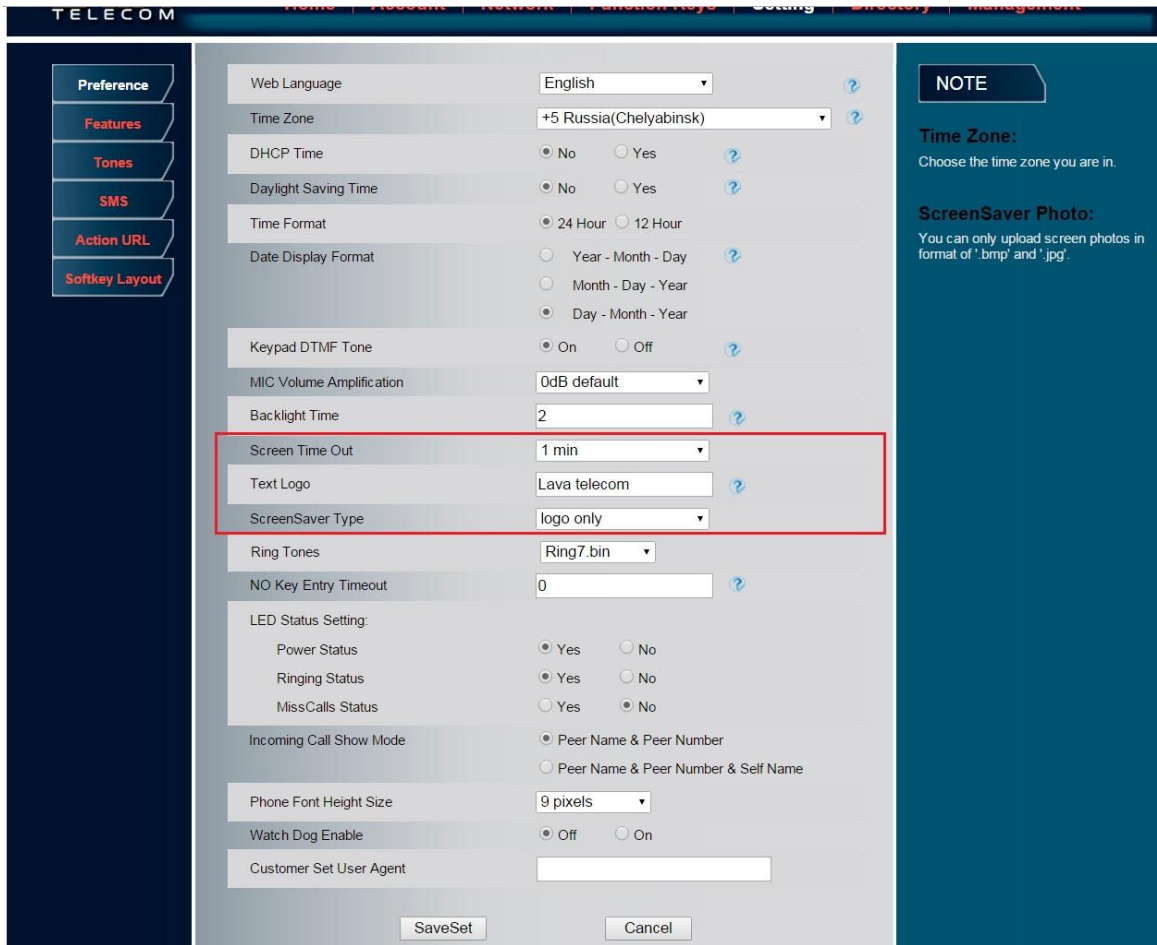
To disable screen saver via Phone interface

1. To press Menu → Setting → Basic Setting → Screensaver...
2. Press  and  or press Switch soft key to Choose the Time-out as off.
3. Press  or Save soft key to save the selected configuration.



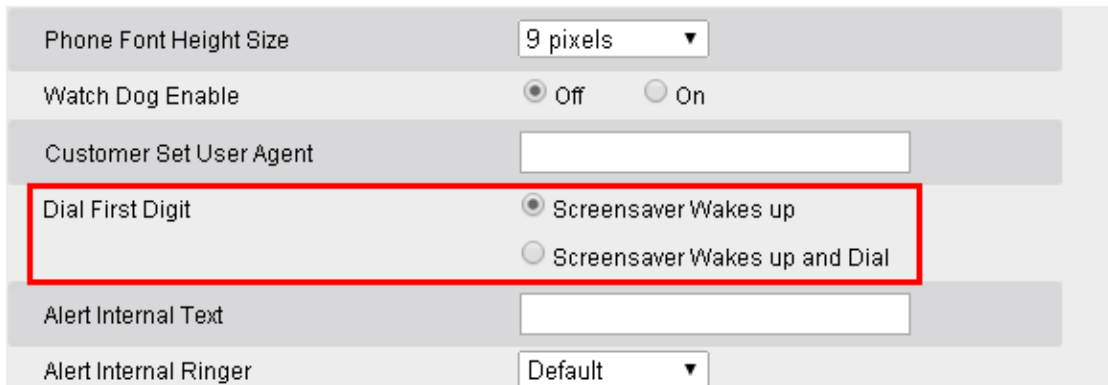
To enable screen saver via Web interface:

1. Setting → Preference
2. Choose the type wanted to use as screen saver
3. Click  to save the configuration.




To wake up screen saver via Web interface:

1. Click Setting → Preference
2. Choose Dial First Digit: Screensaver Wakes up or Screensaver Wakes up and Dial

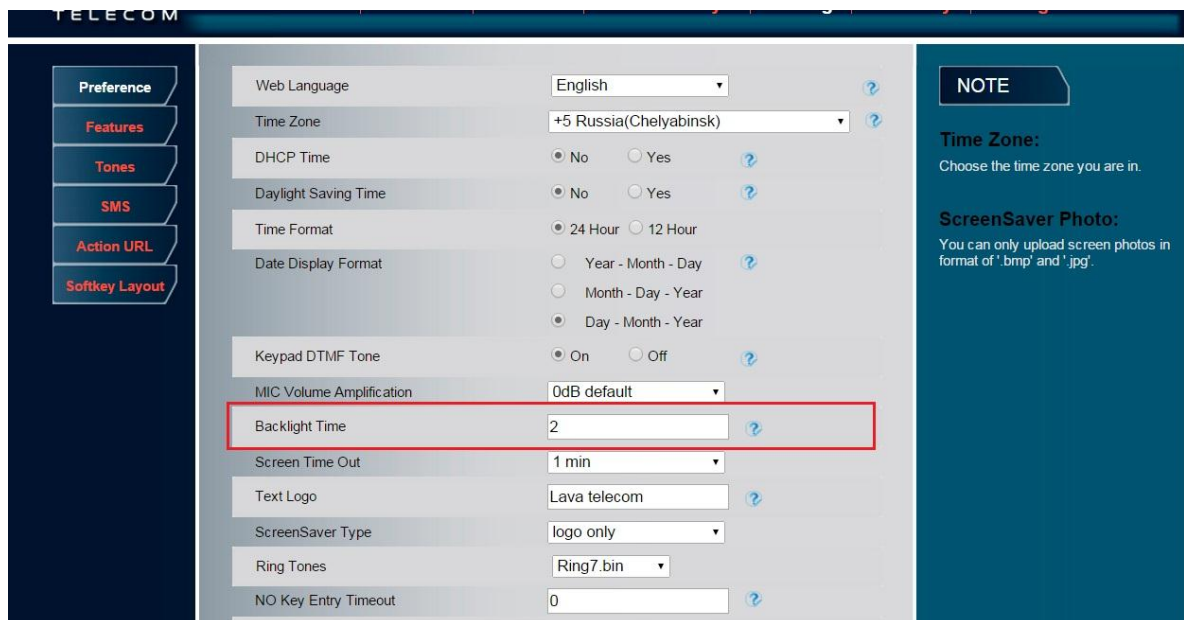


Backlight

To set Backlight via web interface:

1. Click setting → Preference
2. Enter the time for Backlight time (In seconds).
3. Click  to save the configuration.

The default is 0, which means Backlight is always on.



Contact Management

This section provides the operating instructions for managing contacts. The topics include:

4. Contacts
5. Blacklist
6. Remote Phonebook
7. Call History
8. LDAP
9. BroadSoft Phonebook
10. CallLog

Directory

In the directory, you can add or delete your friends, business partner or anyone others' phone No. so you will not forget their number. Or put some anonymous phone No. in the blacklist to prevent from being disturbed.


A. To add contacts list into local directory

To add contacts manually






1. Press Menu → DIR → More
2. Press Add soft key



Add Contacts			
1. Name:			
2. Number:			
Cancel	2aB	Delete	Save

3. Enter the necessary information as Name, Phone number...
4. Press save soft key or  to add the contacts successfully.

To add contacts from History

1. Press History soft key or press Menu → History → Local history
2. Press  and  to select the targeted one. (Press  and  switched among the All calls, Dialed calls, Received calls, Missed Calls and Forward Calls).
3. Press Option soft key → Add to Contacts
4. Edit the necessary information as Name, Phone number...
5. Press save soft key or  to add the contacts successfully.

To add contacts via web interface

1. Click Directory
2. Enter the name, number and some other information.
3. Press and then press button.

[logout](#)

Home | Account | Network | Function Keys | Setting | **Directory** | Management

Directory

Remote Phone Book

Call History

LDAP

BroadSoft

Calllog

Contact **BlackList** [Hangup](#)

Index	Display Name	Office Number	Mobile Number	Other Number	Account	
1	Anton	328			Auto	<input type="checkbox"/> Контакты
2	Karolina	113			Auto	<input type="checkbox"/> Контакты
3	Lilo	777			Account 1	<input type="checkbox"/> Контакты

Contact

Name

Office Number

Mobile Number

Other Number

Account

Ring

Group

Photo

Import Local Contacts

Show Title

GroupInfo

Group

Ring

NOTE

Add Contact/Blacklist
Fill out the contact information. User shouldn't leave contact name blank.

Delete Contact/Blacklist
Select the contact you want to delete in the grid, and then press the button Delete to confirm.

Move to Contact/blacklist
Choose the contacts you want to move in the grid, and then press the button move to Contact/Blacklist to move it.

Import
Browse the file in XML format.

Export
Click Export button and create a file with whose name you prefer to export.

B: To add contacts into blacklist

To add blacklist manually



1. Press Menu → DIR
2. Press and or press Switch soft key to Choose the Contacts.
3. Press More soft key.
4. Press More soft key.

5. Press Option soft key. Add to blacklist.

6. Press save soft key or  to add the contacts successfully.


To add blacklist from history

1. Press History soft key or press Menu → History → Local history

2. Press  and  to select the targeted one.

3. Press Option soft key → Add to Blacklist

4. Edit the necessary information as Name, Phone number...

5. Press save soft key or  to add successfully.

To import or export the contact list

You can manage your phone's local directory via phone or web user interface. But you can only import or export the contact list via web interface.

To import an XML file of contact list via web interface:

1. Click on Directory

2. Click Browse to select a contact list file (file format must be .xml) from your local system.

3. Click Import XML to import the contact list.

To export an XML file of contact list via web interface:

1. Click on Directory

2. Click Export XML to export the contact list.

To import a CSV file of contact list via web interface:

1. Click on Directory

2. Click Browse to select a contact list file (file format must be .csv) from your local system.

3. Click Import Csv to import the contact list.

To export a CSV file of contact list via web user interface:

1. Click on Directory
2. Click Export Csv to export the contact list.

Remote Phonebook

To set Remote PhoneBook via web interface:

1. Login the webpage and click Directory→Remote Phone Book
2. Fill the path of the remote file in the Phone Book URL field.
For example,
<http://192.168.0.254/phonebook/Phonebook.xml>
3. Fill the Name and then click to save the configuration.

The screenshot shows the LAVA Telecom web interface. The top navigation bar includes links for Home, Account, Network, Function Keys, Setting, Directory, and Management. The left sidebar has a 'Directory' menu with 'Remote Phone Book' selected. The main content area features a table with the following structure:

Index	Phone Book URL	Name
1	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>

Below the table are two buttons: and .

On the right side, there is a 'NOTE' section with the following text:

Remote Phone Book:
This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook.

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To check the contacts via phone interface:



1. Press Directory→Left Button→Left Button, and then you can see the item you set, press enter you will find the detail.

For More detail, please refer to: [Remote Phonebook](#) on Lava webpage.

Call History

This phone maintains call history lists of Dialed Calls, Received Calls, Missed Calls and Forwarded Calls. The call history list supports up to 100 entries in all on phone interface and more than 1500 items. You can check the call history, dial a call, add a contact or delete an entry from the call history list. You should enable the history record feature in advance.

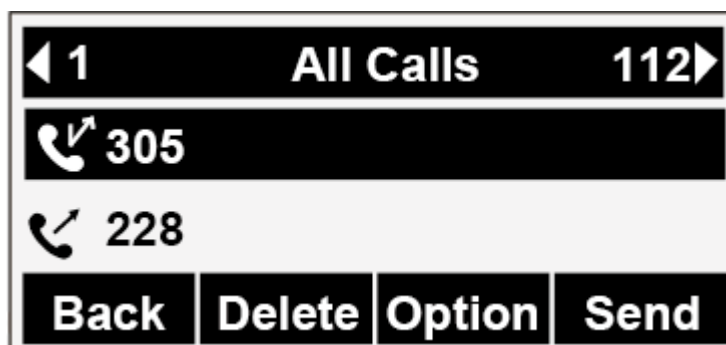
To enable the history record feature via phone interface:

1. Press Menu→Feature→History Setting
2. Press  and  or Switch soft key to enable History record.
3. Press Save soft key to save the configuration.



To check the call history via phone interface:

1. Press the History soft key. The LCD screen displays All Calls list.
2. Press Right or Left Key to switch among All Calls, Missed Calls, Received Calls, Dialed Calls and Forwarded Calls.
3. Press to select the desired entry.
4. Press the Option soft key, and then select Detail from the prompt list.
5. The detailed information of the entry appears on the LCD screen.



To delete an entry from the call history list via phone interface::

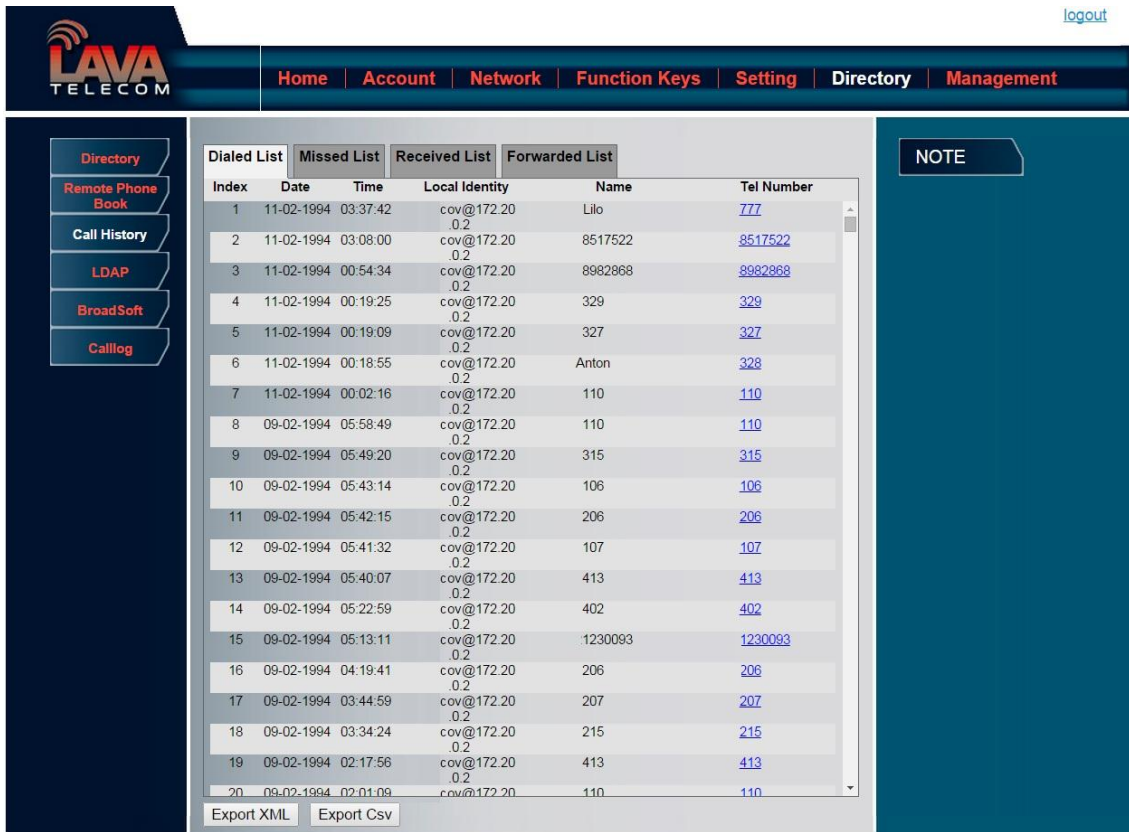
1. Press the History soft key.
2. Press Right or Left Key to switch among All Calls, Missed Calls, Received Calls, Dialed Calls and Forwarded Calls.
3. Press UP or DOWN key to select the desired entry.
4. Press the Delete soft key.

To delete all entries from the call history list via phone interface:

1. Press the History soft key.
2. Press Right or Left Key to switch among All Calls, Missed Calls, Received Calls, Dialed Calls and Forwarded Calls.
3. Press the Option soft key, and then select Delete All from the prompt list.
4. Press the OK soft key.
5. Press the OK soft key to confirm the deleting or the Cancel soft key to cancel.

To check the call history via web interface:

1. Click Directory → Call History
2. Click Dialed List, Missed List, Received List, Forwarded List then you can see the history list.







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To Dial a call from Call History via web interface:

1. Click Directory→Call History
2. Select the desired history item, and click Tel Number.
3. Then the call is dialed on phone.

To Dial a call from Call History via phone interface:

1. Press History soft key or press Menu → History → Local history
2. Press  and  to select the targeted one.
3. Press the Send soft key, or , or , or the corresponding line key.

LDAP Phonebook

When use the LDAP feature, you can get the LDAP Phonebook directly.

To configure LDAP via web interface:

1. Login webpage and click Directory→LDAP
2. Filled the LDAP Name Filter:
 - a) This parameter specifies the name attributes for LDAP searching. The “%” symbol in the filter stands for the entering string used as the prefix of the filter condition.
 - b) For example (cn=%), when the name prefix of the cn of the contact record matches the search criteria, the record will be displayed on the IP PHONE LCD.
3. Filled LDAP Number Filter:

This This parameter specifies the number attributes for LDAP searching.
4. Filled Server Address: Fill the domain name or IP address of the LDAP Server.

For example: 192.168.0.124
5. Port(the port of the LDAP Serve) Base, User Name, Password
6. Max.Hits: the maximum number of the search results to be returned by the LDAP server.
7. LDAP Display Name: the display name of the contact record displayed on the LCD screen.
8. Filled the relative value and then click save button the save the settings.

Following is the example screenshot for the configuration.

LDAP Name Filter	(cn=%)	?
LDAP Number Filter	((telephoneNumber=%)(?
Server Address	192.168.0.9	?
Port	389	?
Base	dc=pbx,dc=com	?
User Name	cn=admin,dc=pbx,dc=com	?
Password	*****	?
Max.Hits(1~32000)	32000	?
LDAP Display Name	cn	?
Search Delay(0~2000ms)		?
Protocol	<input checked="" type="radio"/> Version2 <input type="radio"/> Version3	?
LDAP Lookup For Incoming Call	<input checked="" type="radio"/> On <input type="radio"/> Off	?
LDAP Sorting Results	<input checked="" type="radio"/> On <input type="radio"/> Off	?

To Configure LDAP Key

To configure LDAP Key via web interface:

1. Click Function Key→Memory Key→ choose Memory Key 1(for example)
2. Select LDAP in the Type field.
3. Click to save the configuration.

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Line Key

Memory Key

Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	LDAP	207	Account 1	
Key2	BLF	134	Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE

Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.

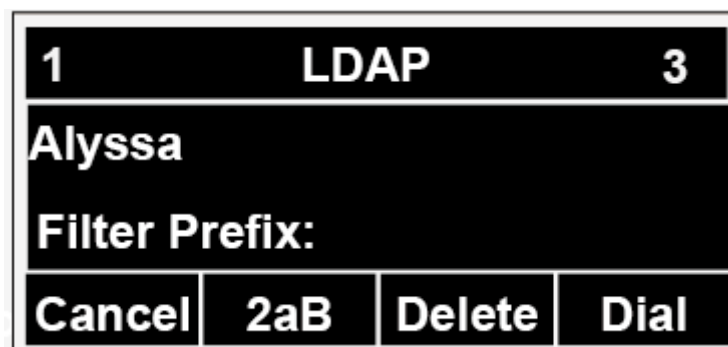
BLF:
BLF setting require a phone restart

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To Configure LDAP Key via phone interface:

1. Press Menu→Feature→Function Keys→Memory Keys as Function Keys→Memory Key 1
2. Select LDAP in the Type field
3. Press save or OK key to save the configuration.

When press the LDAP Key the LCD will display as following:



For More detail, please refer to [LDAP Notes](#) on www.Lavatek.com

Broadsoft Phonebook

You can access the BroadSoft directory through your phone. You can add local contacts from the BroadSoft directory. You can also dial a contact from the BroadSoft directory. You can configure your new phone to access up to 6 BroadSoft directories. Contact your system administrator for the access URL of the BroadSoft directory.

To Configure Broadsoft via web interface:

1. To click Directory→Broadsoft
2. Select the desired Broadsoft Item
3. Enter the Display name
4. Enter the Server, port, User and password
5. Click to save the configuration.

The screenshot shows a configuration form for Broadsoft. It contains the following fields and values:

BroadSoft Item	BroadSoft 1	?
Display Name	Broadsoft group	?
Server	http:xsp1.iop1.broadworks.net/com.broadsoft	?
Port		?
User	215452325454@as.iop1	?
Password	?

At the bottom of the form, there are two buttons: and .

Call log

You can access the call log of the BroadSoft user through the IP phone. The call log contains call information such as remote party identification, time and date. You can check the call log and dial a call from the call log list. The BroadSoft call log allows users to view and dial the stored numbers in the following lists: missed, received, and placed. You can configure the IP phone to access up to 3 call log items. Contact your system administrator for the access URL of the BroadSoft call log.

To Configure Call log via web interface:

1. To click Directory→Call log

2. Select the desired Broadsoft Item
3. Enter the Display name
4. Enter the Server, port, User and password
5. Click to save the configuration.

Other features settings

Dial Plan

Dial plan is a string of characters that governs the way this phone processes the inputs received from your phone keypad. This phone supports dial plan with following accept digits:

1,2,3,4,5,6,7,8,9,0,*,#

Grammer	Description
x	any digit from 0-9;
xx+	at least 2 digit number;
^	exclude;

,	hear dial tone;
[3-5]	any digit of 3, 4, or 5;
[147]	any digit 1, 4, or 7;
<2=011>	replace digit 2 with 011 when dialing.

To configure dial plan via web interface:

1. Click Account—Advanced—Dial Plan.
2. Filled the value in dial plan field.
3. Click SaveSet to save the configuration.

The screenshot shows the LAVA TELECOM web interface. The top navigation bar includes 'Home', 'Account', 'Network', 'Function Keys', 'Setting', 'Directory', and 'Management'. The 'Account' section is active, showing 'Account 1' selected. The 'Advanced' tab is selected, and the 'Dial Plan' field is highlighted with a red box, containing the value '{{x*}+'. Other fields include 'DTMF Payload Type' (101), 'DTMF IN Audio' (No), 'DTMF Via RFC2833' (Yes), 'DTMF Via SIP INFO' (No), 'Send Flash Event' (No), 'Enable Call Features' (Yes), 'Proxy Require' (empty), 'Use NAT IP' (empty), 'SRTP Mode' (Disabled), 'VAD' (No), 'Symmetric RTP' (No), 'Jitter Buffer Type' (Adaptive), 'Jitter Buffer Length' (Medium), 'Account Ring Tone' (Default), 'Ring Timeout' (60), and 'Use # As Dial Key' (Yes).

NOTE

Basic:
The Basic Parameters set for administrator

Codecs:
Choose the codecs you want to use.

Advanced:
The Advanced parameters for administrator.

Note:

Illegal input will fall back to default: {{x*}+}.

Emergency Call

Public telephone networks in countries around the world have a single emergency telephone number (emergency services number), that allows a caller to contact local emergency services for assistance when required. The emergency telephone number may differ from country to country. It is typically a three-digit number so that it can be easily remembered and dialed quickly. Some countries have a different emergency number for each of the different emergency services.

You can specify the emergency telephone numbers on the IP phone for contacting the emergency services in an emergency situation.

To configure emergency call via web interface:


1. Click Setting→Features→Phone Lock
2. Enter the emergency services number in the Emergency field
3. Click **SaveSet** to save the configuration.

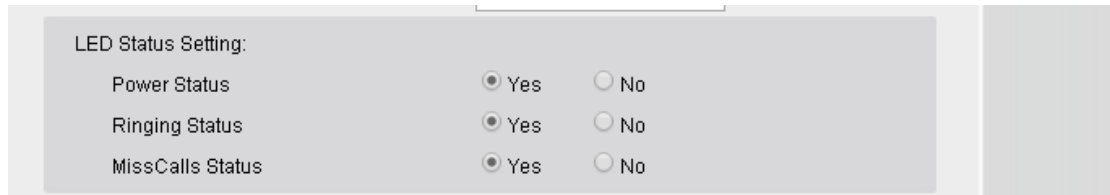
+ Do Not Disturb	
+ HotLine	
+ Transfer Settings	
+ Call Pickup	
- Phone Lock	
Keypad Lock	Disable
Phone Unlock Pin(0~15digial)
Auto Lock Time-Out(15~3600s)	15
Emergency	
+ Call Waiting	
<input type="button" value="SaveSet"/> <input type="button" value="Cancel"/>	

LED Status Setting

The LED Status setting mainly defines the power indicator LED.

To configure action url via web interface:

1. Click Setting→Preference
2. Select Yes or No for Power Status, Ringing Status, Miss Calls Status.
3. Click  for the setting.




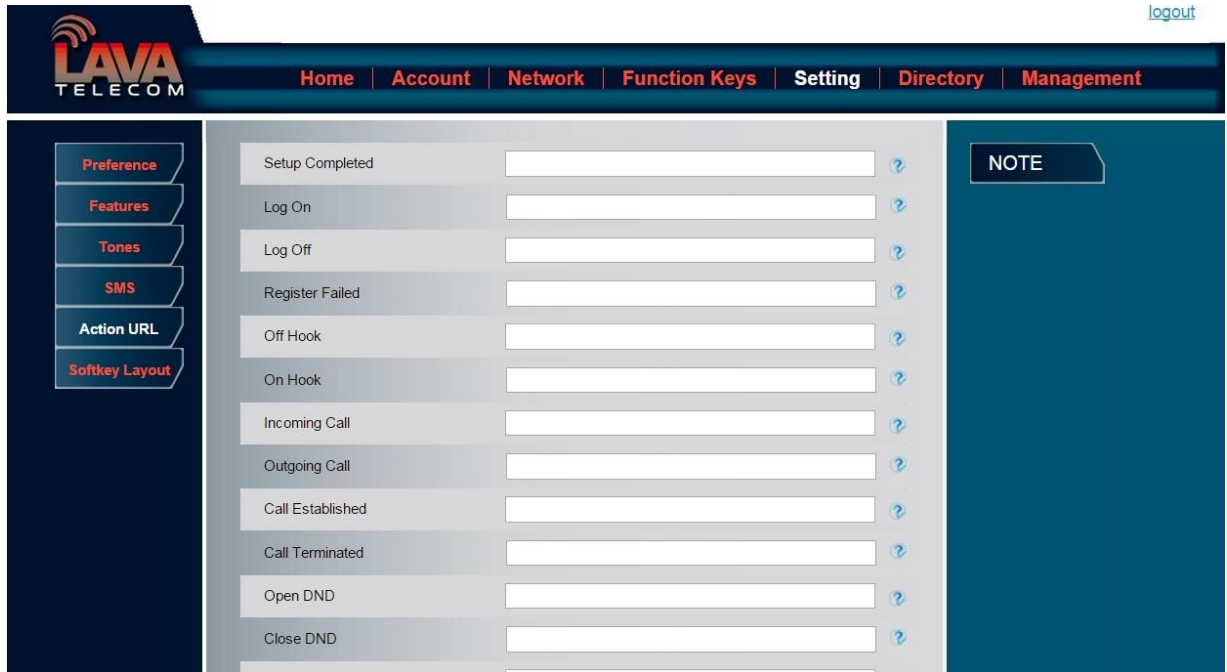
LED Status Setting:

Power Status	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Ringing Status	<input checked="" type="radio"/> Yes	<input type="radio"/> No
MissCalls Status	<input checked="" type="radio"/> Yes	<input type="radio"/> No

Action URL

To configure action url via web interface:

1. Click Setting→Action URL
2. Filled the needed value in the necessary blank.
3. Click  to save the setting.



Softkey Layout


This feature mainly defines which shown on the soft key in some status. For example, what the soft key displays when dialing, or talking.



To configure Soft key via web interface:



1. Click Setting → Softkey Layout


2. Select Enable for Custom Softkey

3. Select call States.

4. Select the feature form the disable key to enable key field by 

 Disable to Enable field.  Delete the Enable, and it will back to Disable field.

5. Click  or  to change to position or each feature.

6. Click  to save the configuration.

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

- Preference
- Features
- Tones
- SMS
- Action URL
- Softkey Layout

Custom Softkey: ?

Call States: ?

Disable_Keys: Unselected Softkeys

- Empty
- History
- Call Switch
- Directory
- DPickup
- Pool
- Line
- GPickup

Enable_Keys: Selected Softkeys(ordered by position)**

- Send
- IME
- Delete
- Cancel

NOTE

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Note:

1. When there more than 5 items in the Enable field, the last softkey will display More, and last two item will show in the next page softkey, you can check by press more.

Programmable Key

For the default keys as Soft keys, Navigation keys and so on, you can define them as some specific feature, and it works only on the idle page.

To configure Programmable Key via web interface:

1. Click Function Keys → Programmable Keys
2. Select the desired Key to set.
3. Click to save the setting.
4. By clicking , all setting of the keys will be back to default.

[logout](#)

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Line Key

Memory Key

Programmable Key

Key	Type	Account	Value
SoftKey1	History	Account 1	
SoftKey2	Directory	Account 1	
SoftKey3	DND	Account 1	
SoftKey4	Menu	Account 1	
Up	History	Account 1	
Down	Directory	Account 1	
Left	Switch Account Up	Account 1	
Right	Switch Account Down	Account 1	
OK	Status	Account 1	
Cancel	N/A	Account 1	
MUTE	N/A	Account 1	

NOTE


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Basic Call Features


Place a Call


There are three ways to dialing a call: Handset, Headset and Hands-free speakerphone.

To place a call by Handset


1. Pick up the handset, or press a line key and dial the necessary number.
2. Press  or press the send softkey, then the call is sending.

To place a call by Headset:

1. Press the  (light is Green)
2. Enter the desired number.



3. Press  or press the Send softkey, then the call is sending.

Using headset to place and answer calls for all time



1. Click webpage Setting →Preference
2. HeadSet Priority →Enable
3. Ring Device For HeadSet →User Headset
4. Press 

Alert External Text	<input type="text"/>
Alert External Ringer	Default ▼
Alert Group Text	<input type="text"/>
Alert Group Ringer	Default ▼
Refresh Caller Id Via Contact	Disable ▼
HeadSet Priority	Enable ▼
Ringer Device For HeadSet	Use HeadSe ▼
Multicast Paging Listen Addr	<input type="text"/>


Placing a call by hands-free speakerphone

1. Press the , or press the Line key, then you can hear the dial tone.
2. Press the number.
3. Press  or press the Send soft key, then the call is sending.


To place a call by call history or Directory

1. Press the History soft key (On the idle page) or Menu → History /Directory
2. Press  and  to select the targeted one.
3. Press Send soft key to make the call.

Note:

1. The  key is set to be a send key. You can set the * key as send key or set some other to be as send keys. For more information, refer to the Key as Send on page.
2. During the call, you can also change among Headset, Handset or Free-speaker mode.

Making two calls with one line and one account

1. Press a line key and dial one phone number, then make a call.
2. Press the corresponding line key
3. Dial another phone number,
4. Press the Send soft key, or , then make the second call.



End a Call

Here shows to end a call during three modes:



To end a call by Handset

1. Press the Cancel soft key or hang up the handset, or press .

To end a call under Headset Mode

1. Press the Cancel soft key or press , or press .

To end a call under hands-free speakerphone Mode

1. Press the Cancel soft key or press , or press .

Note: During the conference, to end the call is same as mentioned above.


Receive a Call

There are three ways to receive a call when the phone is ringing:


To receive a call by handset

Pick up the handset the conversation is built.


To receive a call by headset

Press  and now the conversation is built.

To receive a call by hands-free speaker

1. Option 1: Press  directly.
2. Option 2: Press Answer soft key.
3. Option 3: Press the Line key (flashes red).

Moreover, some other action can be done by soft key when the call is coming.


1. To press the Reject soft key to reject the call. Or press  to reject the current call.
2. To press Forward to forward to another phone.
3. To press Silence soft key, and then the call will keep silent, no ring tone display.

Incoming Call Show Mode

There are two incoming call show mode for this phone:

1. name and number of the contacts
2. name and number of the incoming call and the account which is connecting

To set incoming call show mode via web interface:

1. Click setting → preference
2. Select the desire mode for the incoming call show mode
3. Click  to save the setting.

LED Status Setting:	
Power Status	<input checked="" type="radio"/> Yes <input type="radio"/> No
Ringing Status	<input checked="" type="radio"/> Yes <input type="radio"/> No
MissCalls Status	<input type="radio"/> Yes <input checked="" type="radio"/> No
Incoming Call Show Mode	<input checked="" type="radio"/> Peer Name & Peer Number <input type="radio"/> Peer Name & Peer Number & Self Name
Phone Font Height Size	9 pixels ▼
Watch Dog Enable	<input checked="" type="radio"/> Off <input type="radio"/> On

Auto Answer

Enable auto answer feature, you will answer all incoming call automatically.

To enable Auto Answer via Webpage

1. To Click Account → Advanced
2. To choose Yes for the Auto Answer.
3. To click Saveset to save the configuration.

Send Anonymous	<input checked="" type="radio"/> No <input type="radio"/> Yes ?
Anonymous Call Rejection	<input checked="" type="radio"/> No <input type="radio"/> Yes
Check SIP User ID	<input checked="" type="radio"/> No <input type="radio"/> Yes
Auto Answer	<input type="radio"/> No <input checked="" type="radio"/> Yes
Allow Auto Answer By Call-Info	<input type="radio"/> No <input checked="" type="radio"/> Yes
Turn off Speaker on remote disconnect	<input type="radio"/> No <input checked="" type="radio"/> Yes

To Disable Auto Answer via Webpage

1. To Click Account → Advanced
2. To choose No for the Auto Answer.
3. To click Saveset to save the configuration.

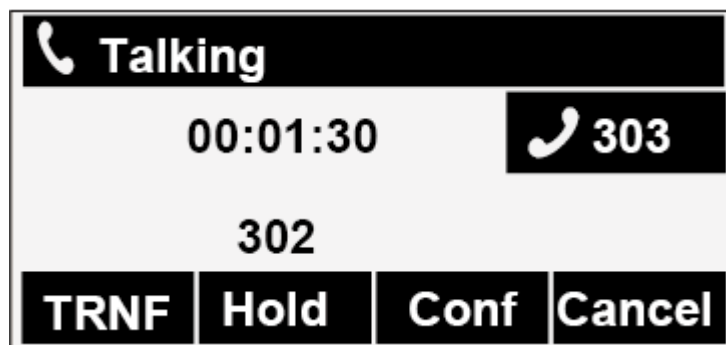
Call Hold

When use hold feature, the Hold icon will show on the display.

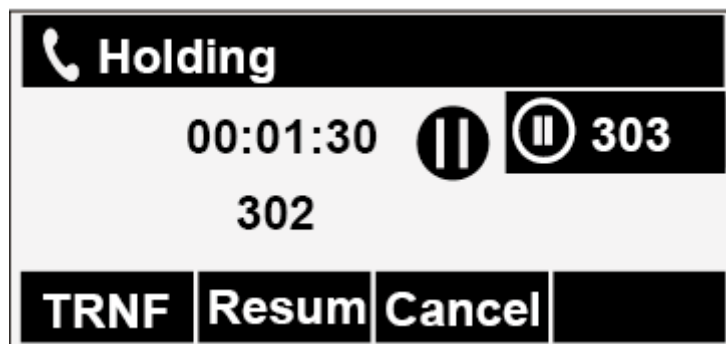
To make a call on hold during three modes:

To hold a call under handset mode:

1. Press Hold soft key to hold the current call.



2. Press Resume soft key to resume the call on hold.



To hold a call under headset mode:

1. Press Hold soft key to hold the current call.
2. Press Resume soft key to resume the call on hold.

To hold a call during the speaker mode:

1. Press Hold soft key to hold the current call.
2. Press Resume soft key to resume the call on hold.

Call Transfer

This phone supports blind, attended and Semi-Attended Transfer.

Blind Transfer

When you use this feature, you can transfer

1. Press Transfer soft key during the conversation, the call is on hold now.



2. Enter the number that transfers to.



3. Press Transfer softkey , and now the blind transfer completed.


NOTE:

The “Enable Call Feature” must be configured to “Yes” to enable this feature.

Attended Transfer

When you use this feature, you can

1. Press transfer soft key during the conversation, the call is on hold now.

2. Enter the number that transfer to, and press the send soft key or .


3. Start the second conversation, press the transfer soft key, then, transfer completed.

NOTE:

To transfer calls across SIP domains, SIP service providers must support transfer across SIP domains. Blind transfer will usually use the primary account SIP profile. To use this function, should at least one line key set as Auto.

Semi-Attended Transfer

4. Press the transfer soft key during the conversation, the call is on hold now.

5. Enter the number transfer to, and then press , then you can here the ring tone.

6. Press the Transfer soft key, and now the Semi-attended transfer completed.

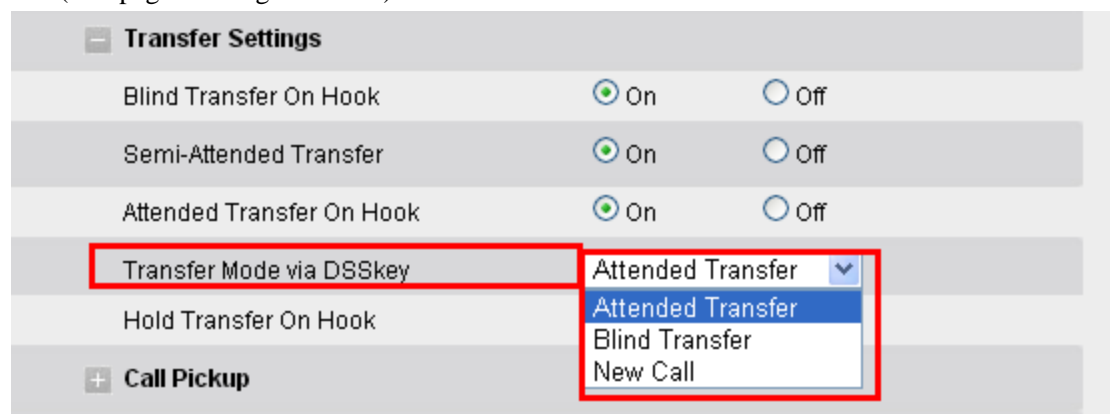
NOTE: To use this function, should at least one line key set as Auto.

BLF Transfer

7. Set a Programmable Key or line key is set as BLF. For how to set BLF, please refer to [BLF](#)

8. Press the transfer soft key during the conversation, the call is on hold now.

9. Press BLF key then realize blind, attended and Semi-Attended Transfer.
(Webpage--Setting--Features)

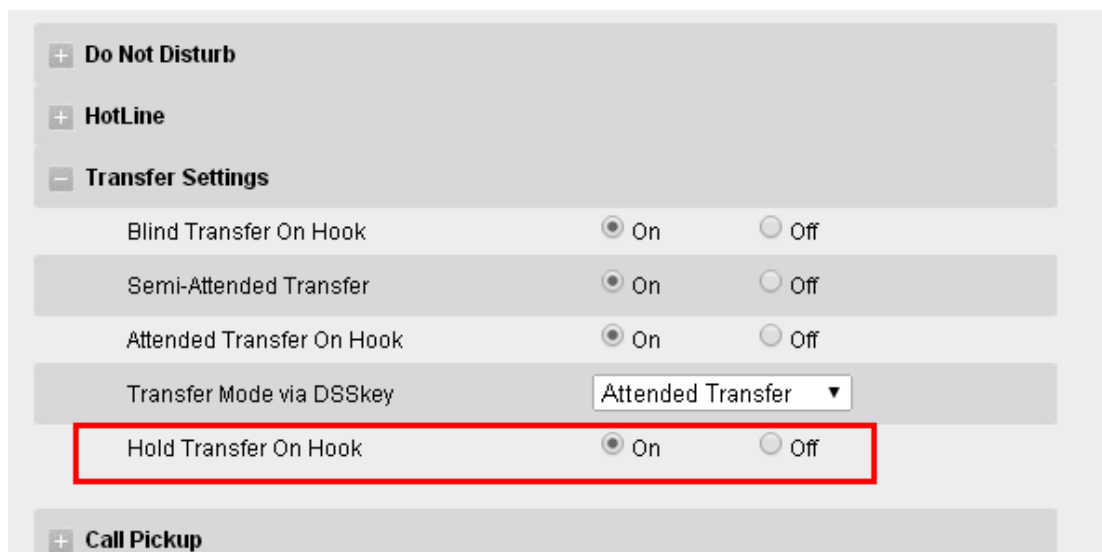


Hold transfer on hook:

1. Setting → Features → Transfer Setting: Hold Transfer On Hook: ON.

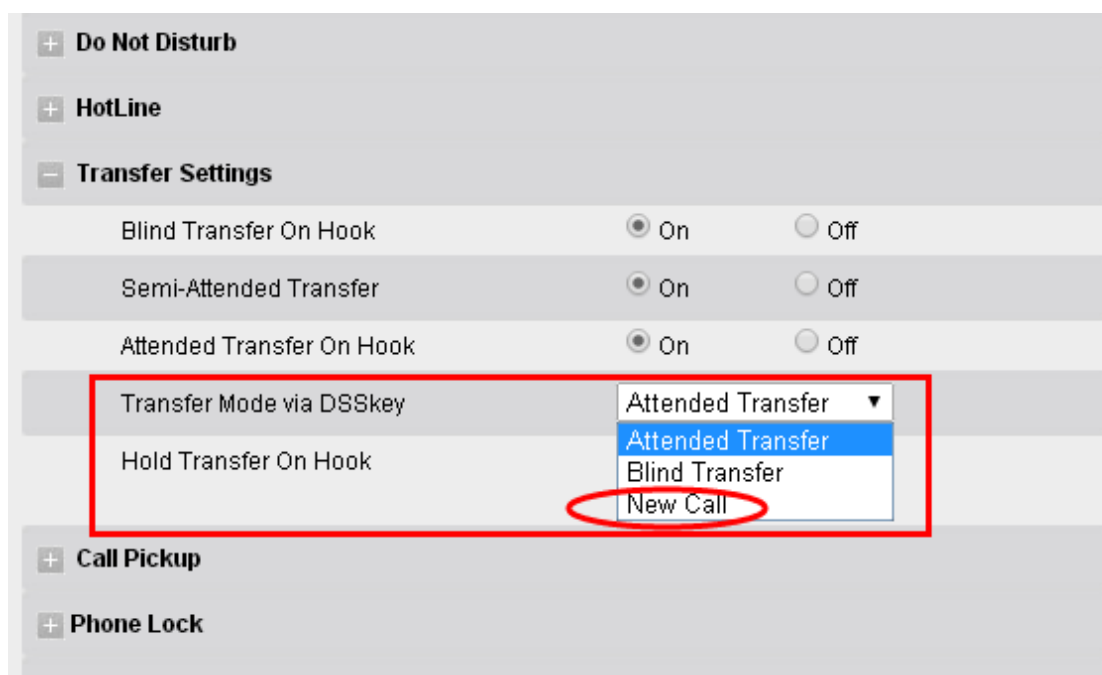
2. A place a call to B, B answer, A press the hold softkey and place a call to C, A cancel the call

when C is ringing or answering, then C and B in the same call and the transfer is successful.



Transfer to New Call via web interface

1. Click Setting → Feature
2. Select Transfer Mode via DSS key → New Call
3. Select the desired Line or Memory key and select Transfer in the Type.
4. Enter the phone number in the Value field.



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Line Key

Memory Key

Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	LDAP	207	Account 1	
Key2	BLF	134	Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	Transfer	503	Account 1	

NOTE

Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.

BLF:
BLF setting require a phone restart


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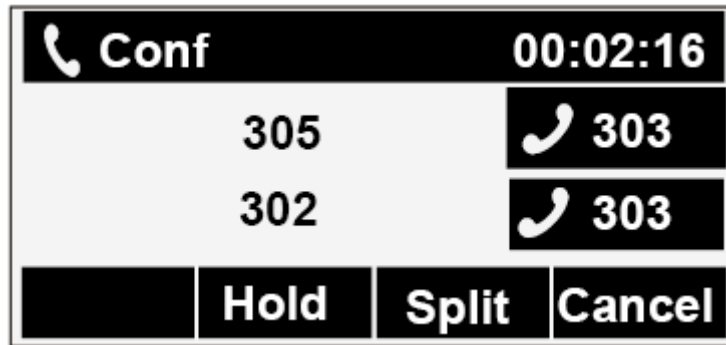
NOTE: if the person that wanted to be spoken to do not want to answer the call, then the person that answered the coming call could use this function.



Call Conference

This IP Phone supports up to 5-way conference.

5-way conference

1. Assuming that call party A and B are in conversation. A wants to bring C, D and E in a conference
2. A press line 2 key, the call is placed on hold.
3. A enter the number of C and then press send soft key or .
4. C answering the call.
5. A press conference soft key, then A, B and C are now in a conference.(and now this is **3-way conference**)



6. A press line 3 key, the current 3-way conference is placed on hold.
7. A enter the number of D and then press send soft key or .
8. D answering the call.
9. A press the conference soft key, then A, B, C and D are now in a conference.(and now this is **4-way conference**)
10. A press line 4 key, the call is placed on hold.
11. A enter the number of E and then press send soft key or .
12. E answering the call.
13. A press the conference soft key, then A, B, C, D and E are now the **5-way conference** is built.
14. A end the call, the conference is finished.

Note:

1. If C does not answer the call, A can back to continue the conversation with B;
2. Once A hangs up the call, the conference is ended, while if B or C drops the call, A&C or A&B conversation continues.
3. The conference feature is not available on all servers. For more information, contact your system administrator.
4. To realize the 5 way conference, the line should be all available.



Call Forward

This phone supports static forward (always forward, busy forward and no answer forward) and dynamic forward

To configure static forward


With this feature, all incoming calls will forward immediately to configured number.

1. Press Menu → Features → Call forward → Always Forward.

2. Press  and  or press info soft key to select the enable choice





3. Enter the forward to number and on code (optional), off code (optional).

4. Press  or Save soft key to save the configuration.

To configure busy forward

With this feature, the incoming calls are immediately forwarded if the phone is busy.

1. Press Menu → Features → Call forward → Busy forward.

2. Press  and  or press info soft key to select the enable choice.



3. Enter the forward to number and on code (optional), off code (optional).

4. Press  or Save soft key to save the configuration.


To configure no answer forward

No Answer Forward: Incoming calls are forwarded if not answered after some time.

1. Press Menu → Features → Call forward → No answer forward.

2. Press  and  or press info soft key to select the enable choice

3. Enter the forward to number and on code (optional), off code (optional).

4. Press  or Save soft key to save the configuration.

When the Forward feature is enabled, the Forward Icon will display on Top of the LCD.

To configure Forward via Web Interface

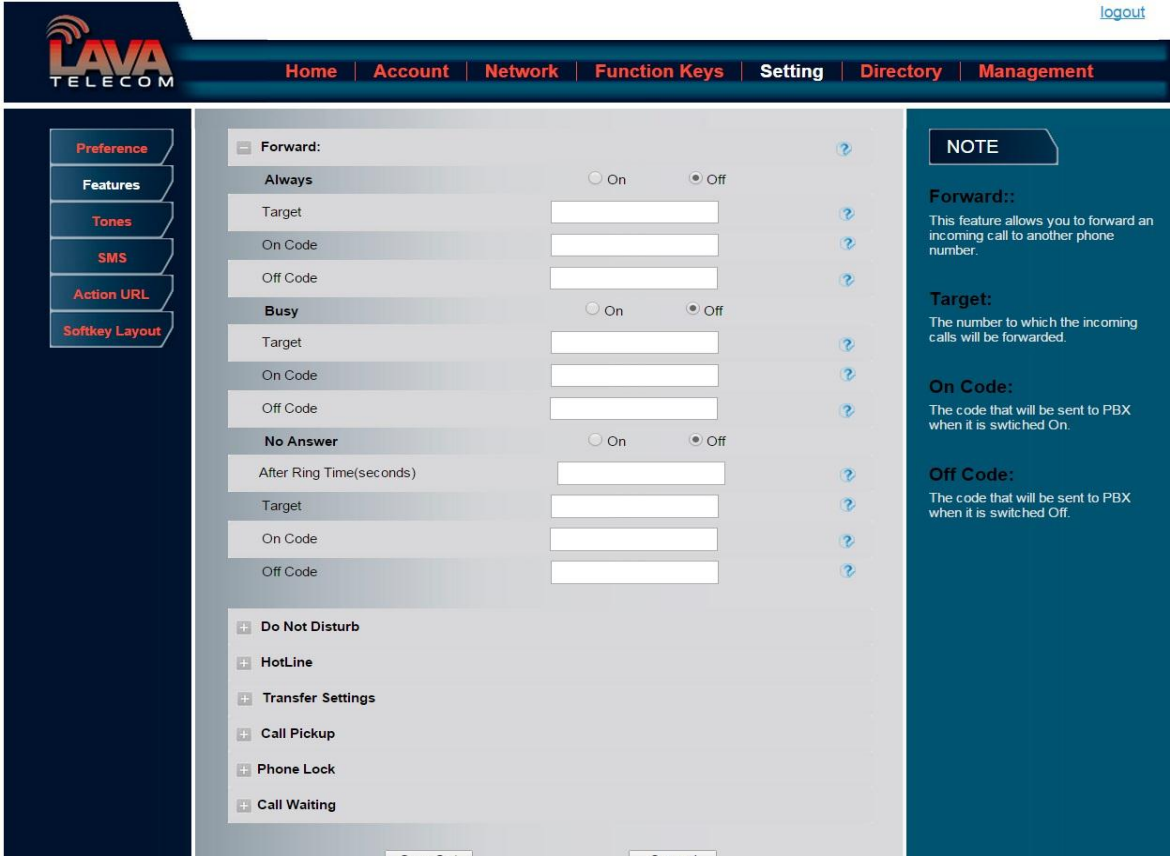
1. Setting → Features

2. Click On for the Always/Busy/No Answer




3. Fill the Forward to Number

4. (Optional) fill the on/off code


5. Click  to save the configuration



To cancel the forward feature via Phone Interface

1. Press Menu → Features → Call forward → Always/Busy/No answer Forward
2. Press  and  or press info soft key to select the disable choice
3. Press  or Save soft key to save the configuration.

To cancel the forward feature via Web Interface


1. Setting → Features
2. Click Off for the Always/Busy/No Answer
3. Click  to save the configuration

To configure dynamic forward

Forward an incoming call during the ringing.

1. When the phone is ringing, press Forward soft key.



2. Enter the forward number.
3. Press  or press the send soft key, then the call is forwarded.






Note:

If the Programmable Key or line key is set as BLF, when an incoming call ringing, press this BLF key directly to realize the dynamic forward.

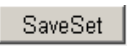
Call Return

This feature allows you to dial the last phone call you received.

To configure the Call Return via phone interface

1. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Line or Memory key.
3. Press  and  or press info soft key to select the Key Event in the type field.
4. Press  and  or press info soft key to select the Call Return.
5. Press  or Save soft key to save the configuration

To configure the Call Return via Web interface

1. Click Function keys → Line or Memory key.
2. Select the desired Line or Memory key and select Call Return in the Type.
3. Click the  to save the configuration.

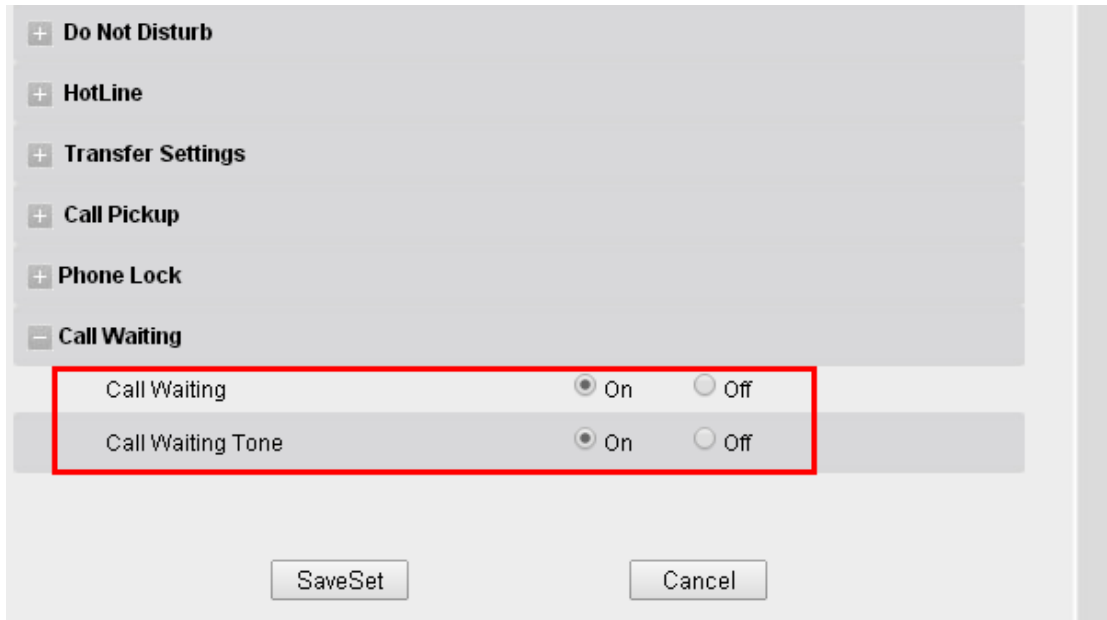
Call Waiting Tone

1. Click Account → Advanced
2. Select Turn off speaker on remote Disconnect: Yes

Anonymous Call Rejection	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Check SIP User ID	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Auto Answer	<input checked="" type="radio"/> No	<input type="radio"/> Yes
Allow Auto Answer By Call-Info	<input type="radio"/> No	<input checked="" type="radio"/> Yes
Turn off Speaker on remote disconnect	<input type="radio"/> No	<input checked="" type="radio"/> Yes
Session Expiration	180	

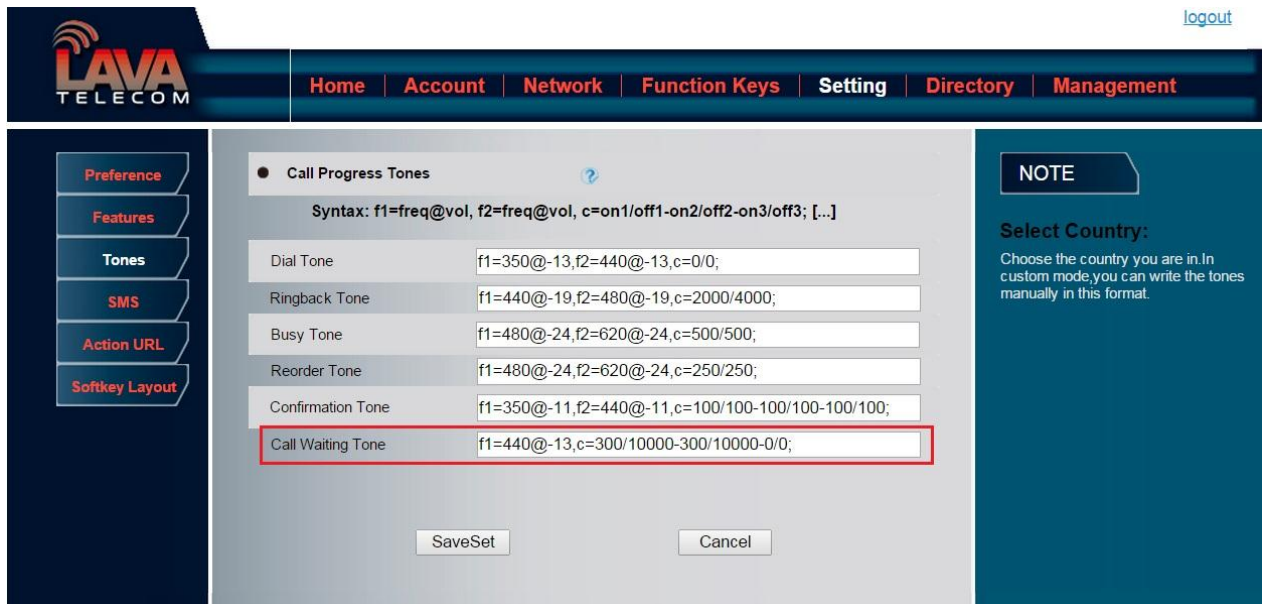
3. Click Setting → Features

4. Select Call Waiting: On and Call Waiting Tone: On



To Change the Call Waiting Tone time via Web interface

1. Click Setting → Tones



2. Change the Tone Time as you want (for example 3s)






Call Waiting Tone

f1=440@-13 c=300/3000-300/3000-0/0;




Anonymous Call

Just enable the anonymous call feature, you can set your ID do not appear on the other phone that you called.

To configure anonymous call

1. Press Menu → Features → Anonymous Call
2. Press  and  or press info soft key to change the Line ID
3. Press  and  or press info soft key to select the enable choice in Anonymous Call filed.
4. Enter the call on code (optional), call off code (optional).
5. Press  or Save soft key to save the configuration.

To cancel anonymous call feature



1. Press Menu → Features → Anonymous Call
2. Press  and  or press info soft key to select the disable choice in Anonymous Call filed.
3. Press  or Save soft key to save the configuration.



Reject Anonymous


If you do not want to be disturb by anonymous calls, you can set the reject anonymous call features, so you will not hear the unknown calls

To configure rejecting anonymous call

1. Press Menu → Features → Anonymous Call



2. Press  and  or press info soft key to change the Line ID


3. Press  and  or press info soft key to select the enable choice in Rejection filed.

4. Press  or Save soft key to save the configuration

To cancel rejecting anonymous call

1. Press Menu →Features →Anonymous Call


2. Press  and  or press info soft key to select the disable choice in Rejection filed.

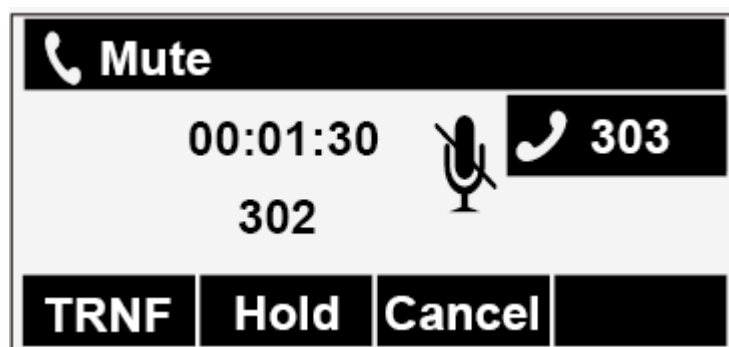
3. Press  or Save soft key to save the configuration.


Call Mute

When you use the Mute feature, the other parties will not hear your voice while you can hear their voice. Call mute applies to all modes (handset, headset, and speakerphone).

To mute the call during a call (including a conference call)

1. Press the mute key , then the mute key glows green, and the LCD display Mute Icon.



2. To disable the mute function, press  again.

DND

When you use the DND feature, the phone is to reject all incoming calls automatically and you can see the DND icon shown on the Top of the LCD on idle page.

To enable DND feature




1. Press the DND soft key when the phone is idle, and then DND icon shown on the LCD.

To disable DND feature




2. Press the DND soft key again, and then there is no DND icon on the LCD.

Key as Send

To configure Key as Send

1. Press Menu → Features → Key as Send
2. Press  and  or press info/switch soft key to select the enable choice.
3. Press  or Save soft key to save the configuration

To cancel # Key as Send

1. Press Menu → Features → Key as Send
2. Press  and  or press info/switch soft key to select the disable choice.
3. Press  or Save soft key to save the configuration.

No Key Entry Timeout

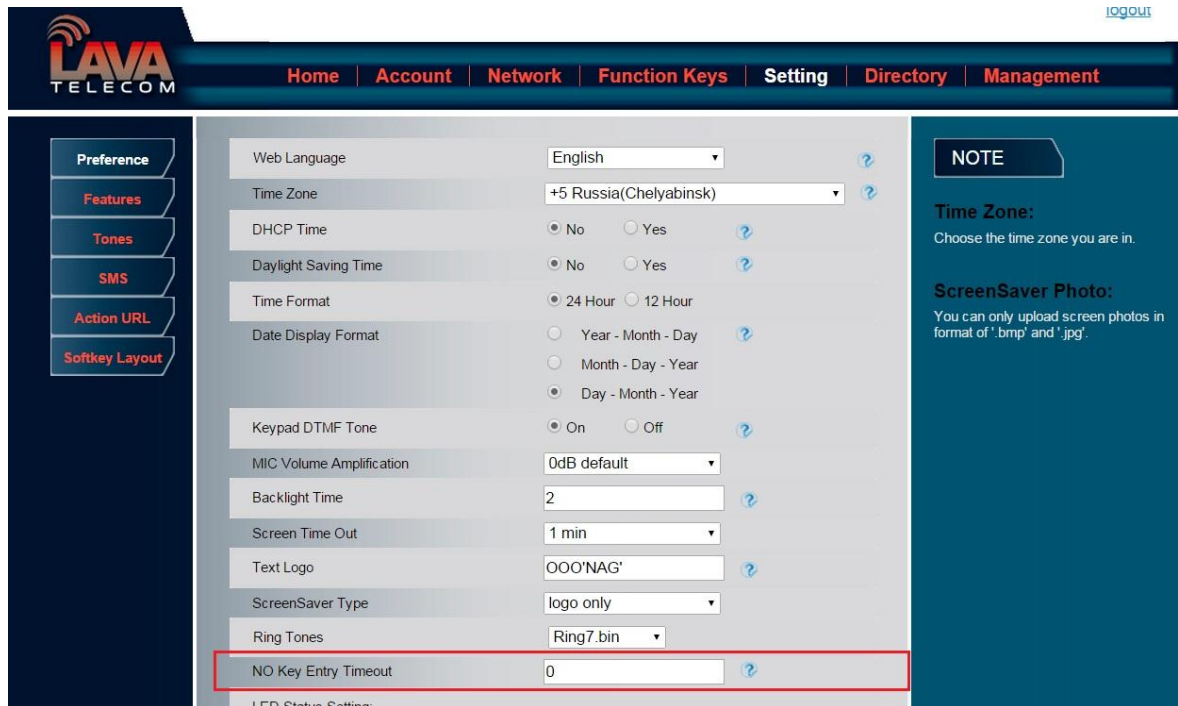
No Key Entry Timeout means that when you enter the number, it will dial out automatically after some time when you stop enter the number.

To configure No Key Entry Timeout

1. Click Webpage Setting → Preference

2. Fill the blank of No Key Entry Timeout: for example 5(seconds).(0 means never timeout, you should press the send key the dial out the number.

3. Click the  to save the configuration.



Keypad Lock

To enable Keypad Lock via Phone

1. Press Menu--Settings--Advanced Setting--Phone Setting--Lock
2. Press Info or Switch to change choose lock type:All Keys Menu Key Function Key Lock & Answer
3. Press Save or OK key to save the configuration.

To enable Keypad Lock via Phone

1. Press Menu--Settings--Advanced Setting--Phone Setting--Lock

2. Press Info or Switch to change to choose Off.
3. Press Save or OK key to save the configuration.

To enable Keypad Lock via Webpage

1. Click Webpage Setting → Preference
2. To choose the Lock keys.
3. To fill the unlock PIN and auto lock time
4. Fill the Emergency Number, when the phone is Lock, only Emergency Number can be sent.
5. To click Saveset to save the configuration.

The screenshot shows a settings menu with several sections: 'Do Not Disturb', 'HotLine', 'Transfer Settings', 'Call Pickup', 'Phone Lock', and 'Call Waiting'. The 'Phone Lock' section is expanded and contains the following settings:

Keypad Lock	Disable
Phone Unlock Pin(0~15digial)
Auto Lock Time-Out(15~3600s)	15
Emergency	


At the bottom of the screen, there are two buttons: 'SaveSet' and 'Cancel'.

To Disable Keypad Lock via Webpage


1. Click Webpage Setting → Preference
2. To choose Disable for the Phone Lock.
3. To click Saveset to save the configuration.

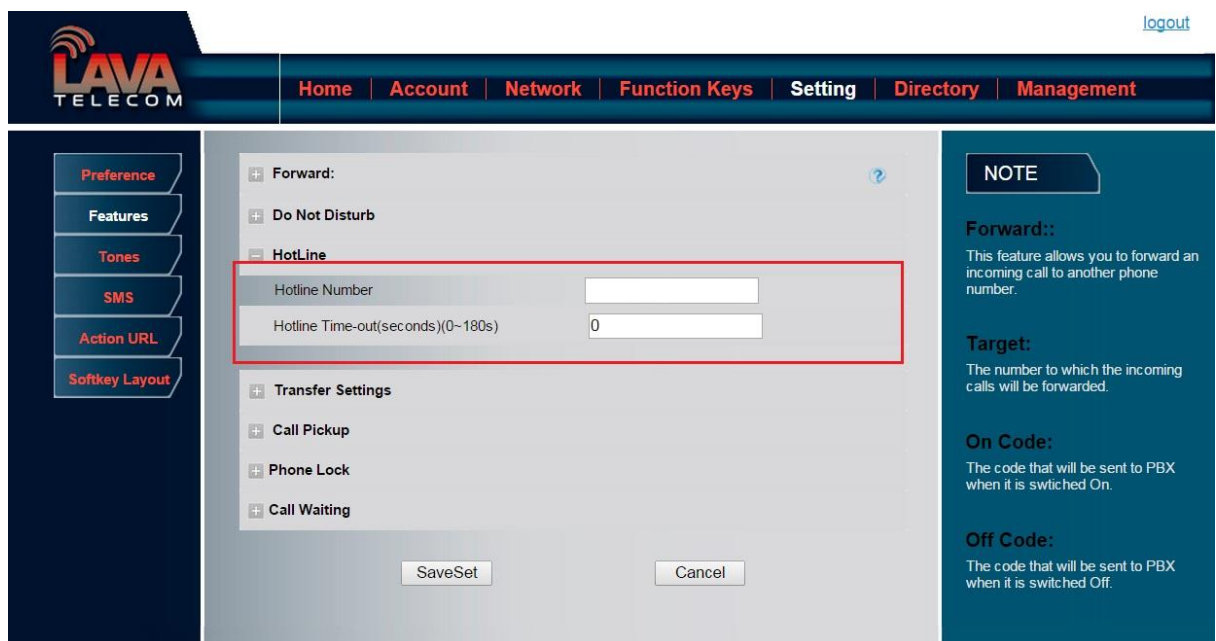
Hot Line

To configure Hot Line

1. Press Menu → Features → Hot Line
2. Enter the Number and delay time (as present, we support off hook auto dial).
3. Press  or Save soft key to save the configuration

To configure Hotline auto dial via Web Interface

1. Setting → Features.
2. Fill the number in the Hotline Number and Hotline Time-out.
3. Click  to save the configuration.



Delete the number and save the configuration, and then now the Hotline auto dial is cancelled.

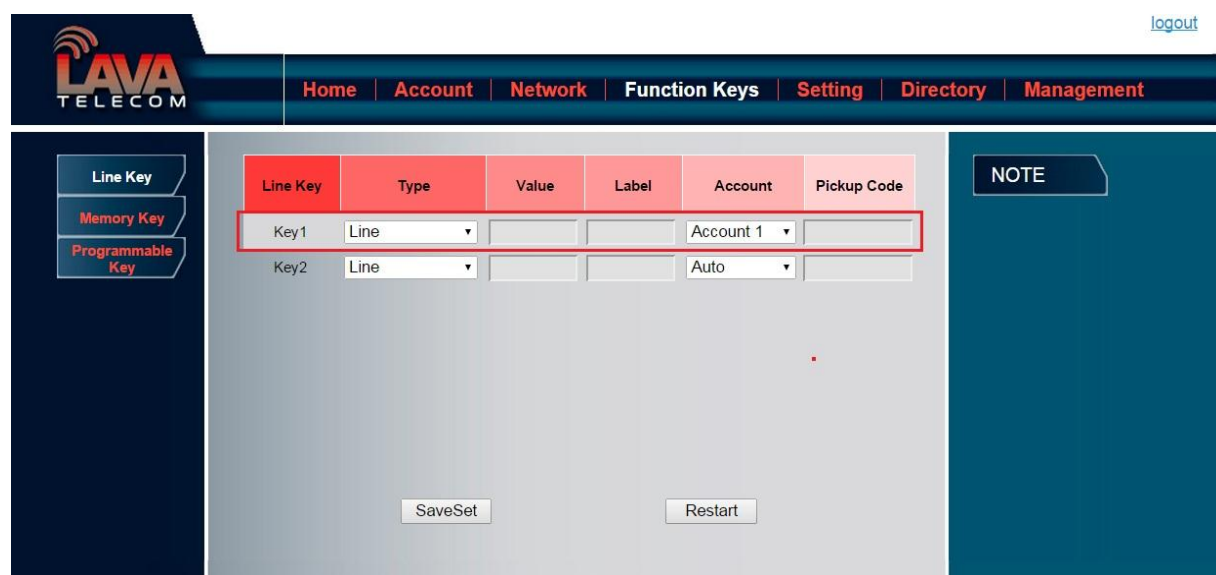
Function Key Features Settings

Line

It works same as Line keys.

To configure Line Feature via Web Interface

1. Click Function keys → Line or Memory Key.
2. Select the wanted Key and set as Line.
3. Select the Account.
4. Click the to save the configuration.






Speed Dial

With this feature, you can dial one directory by press the definite key.


To configure Speed Dial feature via phone interface

5. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1(for example)

6. Press  and  or press info soft key to select the Speed Dial in the type field.
7. Enter the targeted Number.
8. Press  or Save soft key to save the configuration

Then the selected Line or Memory key will work as Speed Dial.

To configure Speed Dial feature via Web Interface

9. Click Function keys → Line or Memory key.
10. Select the wanted Line or Memory key and set as Speed Dial.
11. Enter the desired phone number in the Value field.
12. Select the Account ID
13. Click the  to save the configuration.






BLF

You can use the BLF (Busy Lamp Field) feature to monitor a specific one whether his phone is busy or free.

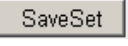
14. When the monitored line is idle, the light is steady green.
15. When the monitored line is ringing, the light is blinking red, press the BLF key to pick the phone up directly.
16. When the monitored line is calling or in a conversation, the light is steady red.

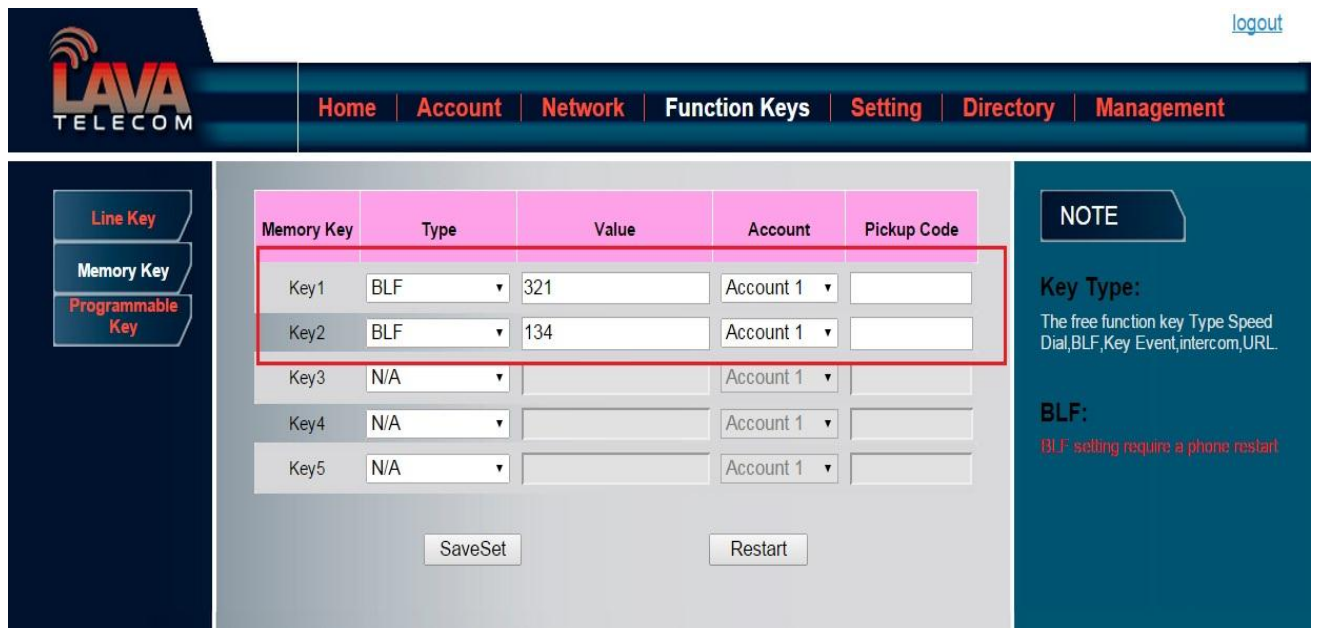
To configure a BLF key by phone

17. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example).

18. Select the targeted Line or Memory key.
19. Press  and  or press infos soft key to select the BLF in the type field.
20. Enter the targeted Value Number.
21. Press  and  or press info soft key to select the Account ID.
22. Enter the Pickup Code.
23. Press  or Save soft key to save the configuration

To configure a BLF key by web

24. Click Function keys → Line or Memory key.
25. Select the desired Line or Memory key and select BLF in the Type.
26. Enter the monitored phone number in the Value field.
27. Select the Account ID
28. Filled the Pickup code.
29. Click the  to save the configuration and then restart.



The screenshot shows the LAVA Telecom web interface. At the top, there is a navigation menu with options: Home, Account, Network, Function Keys, Setting, Directory, and Management. On the left, there are buttons for 'Line Key', 'Memory Key', and 'Programmable Key'. The main content area features a table for configuring function keys. The table has five columns: Memory Key, Type, Value, Account, and Pickup Code. The first two rows (Key1 and Key2) are highlighted with a red border. Key1 is set to BLF with a value of 321, and Key2 is set to BLF with a value of 134. Below the table are 'SaveSet' and 'Restart' buttons. On the right, there is a 'NOTE' section with the following text:

NOTE

Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.

BLF:
BLF setting require a phone restart

Note:

This feature is not available on all servers. For more information, contact your system administrator.

After setting the BLF key, do not need to restart the phone.

BLF List

To configure BLF List via web interface:

1. Login and click Account
2. Click Advanced and then fill the Eventlist BLF URL.

UAC Specify Refresher	<input type="radio"/> UAC
	<input type="radio"/> UAS
	<input checked="" type="radio"/> Omit(Recommended)
UAS Specify Refresher	<input checked="" type="radio"/> UAC
	<input type="radio"/> UAS(When UAC did not specify refresher tag)
Force Invite	<input checked="" type="radio"/> No <input type="radio"/> Yes ?
Hook Flash Timing	minimum: <input type="text" value="30"/> maximum: <input type="text" value="100"/> ?
Special Feature	<input type="text" value="Standard"/>
Eventlist BLF URL	<input type="text" value="blf_sales"/>
Shared Line	<input type="text" value="Disable"/>
SIP Server Type	<input type="text" value="Default"/>

3. To configure BLF List Keys

3.1 Click→Function Keys→Memory Key

3.2 Select the BLF List in the Type Field.

3.3. Select Account

3.4 Click Saveset to save the configuration and then restart the Phone.

[logout](#)

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Line Key

Memory Key

Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	BLF	321	Account 1	
Key2	BLF List	134	Account 1	
Key3	BLF List		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE


Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.

BLF:
BLF setting require a phone restart

For more information, please check [BLF list Note](#) on Lava web.

Voice Message

To configure the Voice mail feature

30. Press Menu → Messages → Voice Mail → Set Voice Mail.
31. Enter the Account1/2/3/4 NO.
32. Press  or Save soft key to save the configuration

Note:



This feature is not available on all servers. For more information, contact your system administrator.

Direct Pickup

With this feature, you can pick up the set line when it ringing.

To configure Direct Pickup feature via phone interface

33. Press Menu →Features →Function Keys→Line or Memory keys as Function Keys → Memory key1(for example)

34. Press  and  key to select the Speed Dial in the type field.

35. Enter the value.

36. Press  or Save soft key to save the configuration

Then the selected Line or Memory key will work as Direct Pickup.

To configure Direct Pickup feature via Web Interface

37. Click Function keys → Line or Memory key.

38. Select the wanted Line or Memory key and set as Direct Pickup.

39. Enter the pickup code and followed the desired phone number in the Value field.

40. Select the Account ID

41. Click the  to save the configuration.



Group Pickup

With this feature, you can pick up the specified group that you want incoming calls.

To configure the Pick up via phone interface

1. Press Menu →Features →Function Keys→Line or Memory keys as Function Keys → Memory key1(for example)

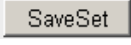
2. Select the wanted Line or Memory key.

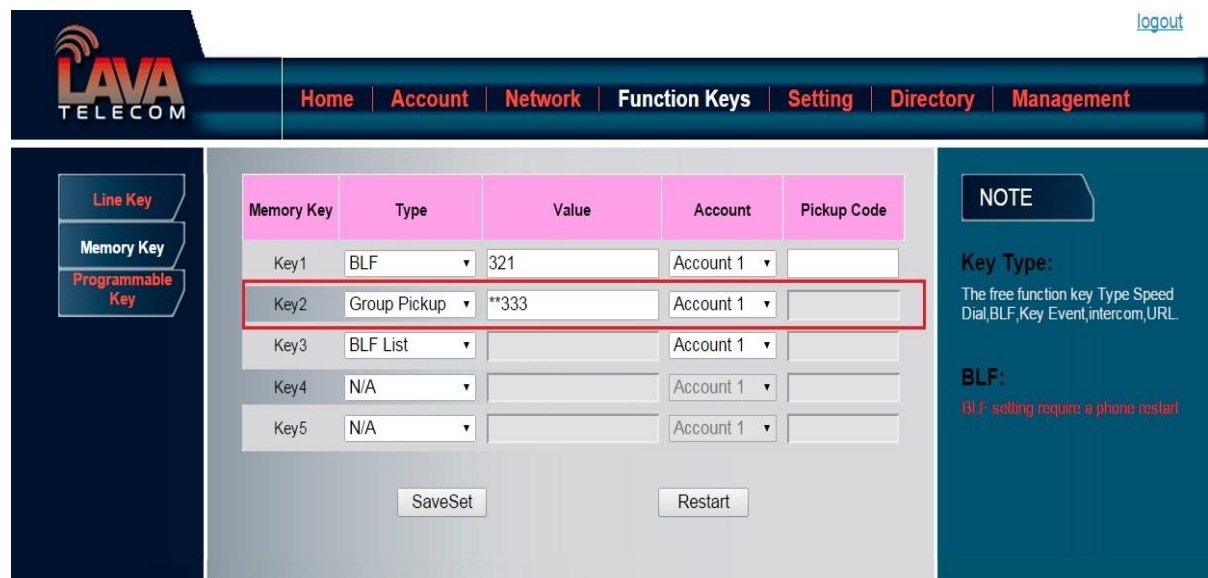
3. Press  and  key to select the Group Pickup in the type field.

4. Enter pickup code and followed the desired group number

5. Press  or Save soft key to save the configuration

To configure the Group Pick up via Web interface

1. Click Function keys → Line or Memory key.
2. Select the desired Line or Memory key and select Group Pickup in the Type.
3. Enter the pickup code and followed the desired Group number in the Value field.
4. Click the  to save the configuration.



The screenshot shows the LAVA Telecom web interface. At the top, there is a navigation bar with links: Home, Account, Network, Function Keys, Setting, Directory, and Management. On the left, there are buttons for Line Key, Memory Key, and Programmable Key. The main content area features a table with the following data:



Memory Key	Type	Value	Account	Pickup Code
Key1	BLF	321	Account 1	
Key2	Group Pickup	**333	Account 1	
Key3	BLF List		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

Below the table are buttons for SaveSet and Restart. On the right, a NOTE section states: **Key Type:** The free function key Type Speed Dial, BLF, Key Event, intercom, URL. **BLF:** BLF setting require a phone restart.

Call Park

With this feature, you can put a call on hold and continue the conversation from another phone.

To configure the Call Park via phone interface

42. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)
43. Select the wanted Line or Memory key.
44. Press  and  or press Switch soft key to select the Key Event in the type field.

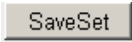
45. Press  and  or press Switch soft key to select the Call Park.

46. Press  or Save soft key to save the configuration

To configure the Call Park via Web interface

47. Click Function key → Line or Memory key.

48. Select the desired Line or Memory key and select Direct Pickup in the Type.

49. Click the  to save the configuration.

Intercom

When use the intercom feature, you can quickly get access connect to the configured one.

To configure intercom feature via phone interface

50. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)

51. Press  and  or press info soft key to select the intercom in the type field.

52. Enter the targeted Number.

53. Press  or Save soft key to save the configuration

Then the selected Line or Memory key will work as intercom.

To configure Intercom feature via Web Interface

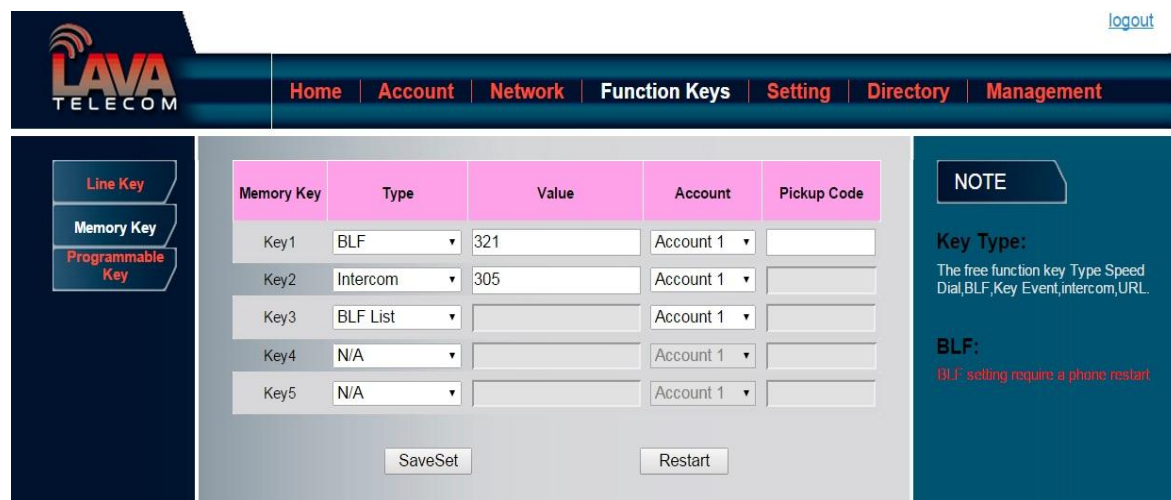
54. Click Function keys → Line or Memory key.

55. Select the wanted Line or Memory key.

56. Enter the desired phone number in the Value field.

57. Select the Account ID

58. Click the  to save the configuration.



Memory Key	Type	Value	Account	Pickup Code
Key1	BLF	321	Account 1	
Key2	Intercom	305	Account 1	
Key3	BLF List		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE
Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.
BLF:
BLF setting require a phone restart

Note:

This feature is not available on all servers. For more information, contact your system administrator.

DTMF

To configure the DTMF via Phone Interface

59. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)

60. Select the wanted Line or Memory key.

61. Press  and  or press info soft key to select the DTMF in the type field.

62. Enter the value

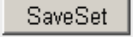
63. Press  or Save soft key to save the configuration

To configure the DTMF via Web interface

64. Click Function keys → Line or Memory key.

65. Select the desired Line or Memory key and select DTMF in the Type.




66. Fill the value.

67. Click the  to save the configuration.

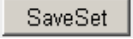
Prefix

If the key is configured as Prefix key, you can set the number prefix (e.g. Before the number plus 9), then you don't input 9, press the key and 9 will display on the LCD interface.

To configure the Prefix via Phone Interface

1. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Line or Memory key.
3. Press  and  key to select the Prefix in the type field.
4. Enter the value with with number that you want to set as prefix
5. Press  or Save soft key to save the configuration

To configure the Prefix via Web interface

1. Click Function key → Line or Memory key.
2. Select the desired Line or Memory key and select Prefix in the Type.
3. Fill the value.
4. Click the  to save the configuration.

Then when you press this key, the set value is input directly.

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Line Key

Memory Key

Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	N/A	207	Account 1	
Key2	Prefix	8805	Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE




Key Type:
The free function key Type Speed Dial, BLF, Key Event, Intercom, URL.

BLF:
BLF setting require a phone restart.

Local Group

When use the Local Group feature, press the key and enter the local Contacts interface quickly.

To configure the Local group via Phone Interface

1. Press Menu → Features → Function Keys → Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Memory key.
3. Press  and  key to select the Local group in the type field.
4. Press  or Save soft key to save the configuration

To configure the Local Group via Web interface

1. Click Function key → Memory Key.
2. Select the desired Key and select Local group in the Type.
3. Click the to save the configuration.

Then you can press the local group key to access the pre-defined contact group in the local directory quickly.

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Line Key

Memory Key

Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	N/A	207	Account 1	
Key2	Local Group	8805	Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE




Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.

BLF:
BLF setting require a phone restart

XML Group

When use the XML Group feature, press the key and enter the Remote Contacts interface quickly.

To configure the XML group via Phone Interface

1. Press Menu → Features → Function Keys → Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Memory key.
3. Press  and  key to select the XML group in the type field.
4. Press  or Save soft key to save the configuration

To configure the XML Group via Web interface

1. Click Function key → Memory Key.
2. Select the desired Key and select XML group in the Type.
3. Click the to save the configuration.

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Line Key

Memory Key

Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	N/A		Account 1	
Key2	XML Group		Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE




Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.

BLF:
BLF setting require a phone restart

LDAP

When use the LDAP feature, you can get the LDAP Phonebook directly.

To configure the LDAP via Phone Interface

1. Press Menu → Features → Function Keys → Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Memory key.
3. Press  and  key to select the LDAP in the type field.
4. Press  or Save soft key to save the configuration

To configure the LDAP via Web interface

1. Click Function key → Memory Key.
2. Select the desired Key and select LDAP in the Type.
3. Click the to save the configuration.

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Line Key

Memory Key

Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	LDAP		Account 1	
Key2	N/A		Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE




Key Type:
The free function key Type Speed Dial, BLF, Key Event, intercom, URL.

BLF:
BLF setting require a phone restart.

XML Browser

You can use this key feature to access the Xml browser quickly. The Xml browser allows you to create custom services which meet your functional requirements on the server. You can customize practical applications, such as weather report, stock information, Google search, etc.

To configure the XML Browser via Phone Interface

1. Press Menu → Features → Function Keys → Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Memory key.
3. Press  and  key to select the XML Browser in the type field.
4. Filled the access URL for xml browser
5. Press  or Save soft key to save the configuration

To configure the XML Browser via Web interface

1. Click Function key → Memory Key.
2. Select the desired Key and select xml browser in the Type.
3. Filled the access URL for xml browser

4. Click the to save the configuration.

The screenshot shows the LAVA TELECOM web interface. The header includes the logo and navigation links: Home, Account, Network, Function Keys, Setting, Directory, Management. A sidebar on the left has buttons for Line Key, Memory Key, and Programmable Key. The main content area displays a table for configuring function keys:




Memory Key	Type	Value	Account	Pickup Code
Key1	XML Browser	http://192.168.0.240:8080	Account 1	
Key2	N/A		Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

Below the table are buttons for 'SaveSet' and 'Restart'. A 'NOTE' box on the right states: 'Key Type: The free function key Type Speed Dial, BLF, Key Event, intercom, URL. BLF: BLF setting require a phone restart'.

Broadsoft Group

When use the BroadSoft Group feature, press the key and enter the Remote Contacts interface quickly.

To configure the Broadsoft group via Phone Interface




1. Press Menu → Features → Function Keys → Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Memory key.
3. Press  and  key to select the Broadsoft group in the type field.
4. Press  or Save soft key to save the configuration

To configure the Broadsoft group via Web interface

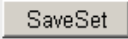
1. Click Function key → Memory Key.
2. Select the desired Key and select Broadsoft group in the Type.
3. Click the to save the configuration.

Conference

To configure the Conference via Phone Interface

1. Press Menu →Features →Function Keys→Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Memory key.
3. Press  and  key to select the Conference in the type field.
4. Press  or Save soft key to save the configuration

To configure Conference via Web Interface




1. Click Function keys →Memory Key.
2. Select the desired Key and select Conference in the Type.
3. Click the  to save the configuration.

Forward

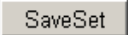
If the key is configured as Forward key, press this key under the idle status, the IP phone will turn to the Always Forward interface and you can set the Forward to number, then when there is any call to the number will be forwarded to the set number automatically.

To configure the Forward via Phone Interface

1. Press Menu →Features →Function Keys→Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Memory key.

3. Press  and  key to select the Forward in the type field.
4. Enter the Number that to forward.
5. Press  or Save soft key to save the configuration




To configure Forward via Web Interface

1. Click Function keys →Memory Key.
2. Select the desired Key and select Forward in the Type.
3. Enter the Value with the number you want to forward
4. Click the  to save the configuration.

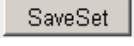
Transfer

You are able to configure the key as a transfer key to perform the Blind/Attended Transfer.

To configure the Transfer via Phone Interface

1. Press Menu →Features →Function Keys→Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Memory key.
3. Press  and  key to select the Transfer in the type field.
4. Enter the Number that transfer to
5. Press  or Save soft key to save the configuration




To configure Transfer via Web Interface

1. Click Function keys →Memory Key.
2. Select the desired Key and select Transfer in the Type.
3. Enter the Value with the number that wanted transfer to
4. Click the  to save the configuration.

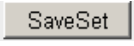
Hold

The key can be configured as a hold key. You can use this key to hold and resume a call during the conversation.

To configure the Hold via Phone Interface

1. Press Menu →Features →Function Keys→Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Memory key.
4. Press  and  key to select the Hold in the type field.
5. Press  or Save soft key to save the configuration




To configure Hold via Web Interface

1. Click Function keys →Memory Key.
2. Select the desired Key and select Hold in the Type.
3. Click the  to save the configuration.


Group Listening

With this feature, you can use Headset, Handset and speaker at the same time.

To configure the Group listening via Phone Interface

1. Press Menu →Features →Function Keys→Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Memory key.
3. Press  and  key to select the group listening in the type field.
4. Press  or Save soft key to save the configuration




To configure Group listening via Web Interface

1. Click Function keys →Memory Key.
2. Select the desired Key and select Group listening in the Type.
3. Click the  to save the configuration.

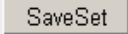
DND

If the key is configured as DND key, you are allowed to active the DND function immediately when you press it and the phone is to reject all incoming calls automatically. Press it again to deactivate DND mode.

To configure the DND via Phone Interface

1. Press Menu →Features →Function Keys→Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Memory key.
3. Press  and  key to select the DND in the type field.
4. Press  or Save soft key to save the configuration

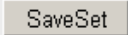
To configure DND via Web Interface

1. Click Function keys →Memory Key.
2. Select the desired Key and select DND in the Type.
3. Click the  to save the configuration.

Redial

If the key is configured as Redial key, you can redial the last placed call from the IP Phone.

To configure Redial via Web Interface

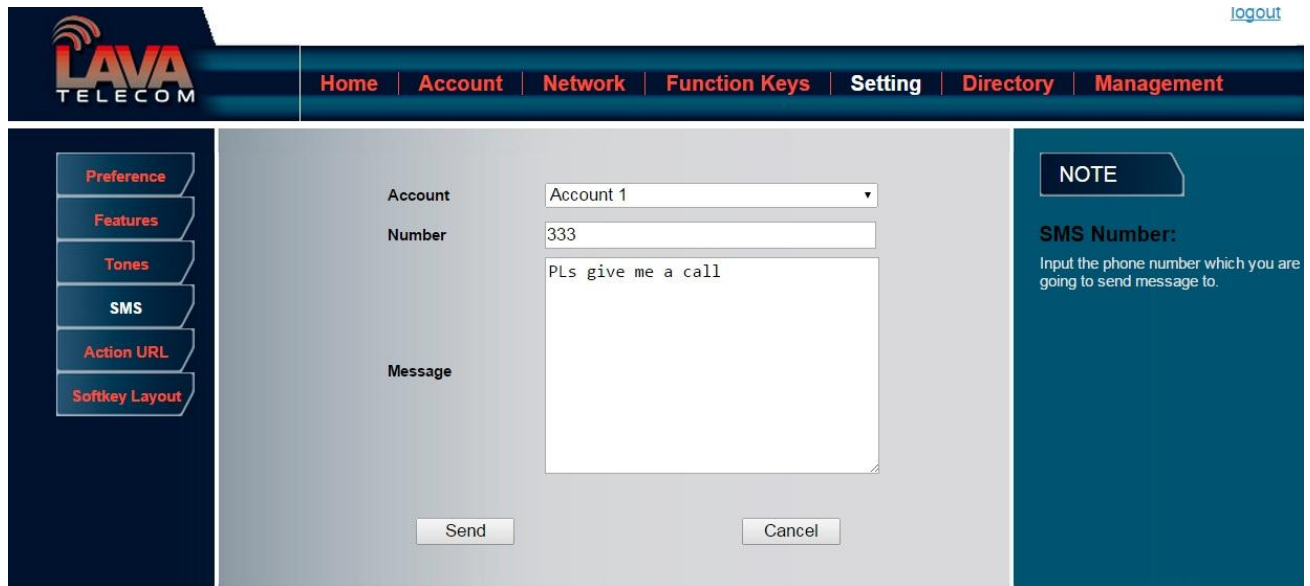
1. Click Function keys →EXP Key.
2. Select the desired Key and select redial in the Type.
3. Enter the Label displayed on LCD.
4. Click the  to save the configuration.

SMS

Send SMS




To send SMS via web Interface

1. Click Setting→SMS
2. Select the account(form which account the sms sent)
3. Enter the target number
4. Input the content of SMS, and click Send.

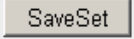


Set SMS Memory Key

To configure the SMS via Phone Interface

1. Press Menu → Features → Function Keys → Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Memory key.
3. Press  and  key to select the SMS in the type field.
4. Press  or Save soft key to save the configuration






To configure SMS via Web Interface

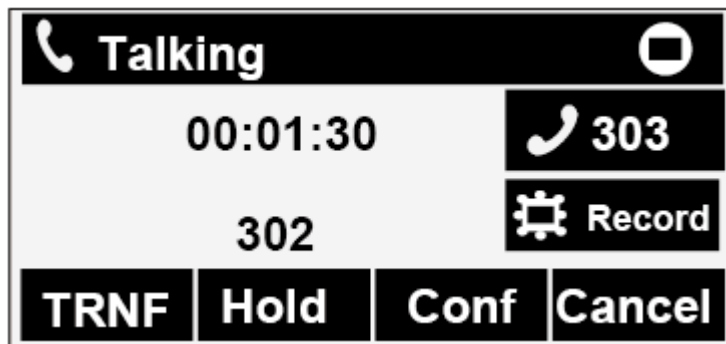
1. Click Function keys → Memory Key.
2. Select the desired Key and select SMS in the Type.
3. Click the  to save the configuration.

Record

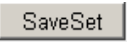
With record feature, you can record calls by pressing a record key on the phone.

To configure the record via phone interface

1. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Line or Memory key.
3. Press  and  or press info soft key to select the Key Event in the type field.
4. Press  and  or press info soft key to select the Record.
5. Press  or Save soft key to save the configuration



To configure the record via Web Interface

1. Click Function keys → Line or Memory key.
2. Select the desired Line or Memory key and select Record in the Type.
3. Click the  to save the configuration.




Note:

Please contact the system administrator whether support this feature or not.

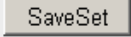
URL Record

The phone sends HTTP URL request to trigger a recording. Contact your system administrator for the predefined URL.

To configure the URL record via phone interface

1. Press Menu → Features → Function Keys → Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Line or Memory key.
3. Press  and  key to select the URL Record.
4. Press  or Save soft key to save the configuration





To configure the record via Web Interface

1. Click Function keys → Memory key.
2. Select the desired Line or Memory key and select URL Record in the Type.
3. Click the  to save the configuration.

Paging


With this feature, you can call a phone directly.

To configure the paging via phone interface

4. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)
5. Select the wanted Line or Memory key.
6. Press  and  or press info soft key to select the Key Event in the type field.
7. Press  and  or press info soft key to select the Paging.

8. Press  or Save soft key to save the configuration






To configure the Paging via Web interface

9. Click Function keys → Line or Memory key.
10. Select the desired Line or Memory key and select Paging in the Type.
11. Click the  to save the configuration.

Shared Line

This feature allows subscribers to share SIP lines. Moreover it also provides status monitoring of the shared line.

To configure the line key as shared line via phone interface

1. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Line or Memory key.
3. Press  and  key to select the Shared Line in the type field.
4. Press  and  key to select the Account ID.
5. Enter the Label
6. Enter the Value
7. Press  or Save soft key to save the configuration

To configure the line key as shared line via Web Interface

1. Click Function keys → Line or Memory key.
2. Select the desired Line or Memory key and select Shared Line in the Type.

3. Enter the Value.
4. Enter the Label.
5. Select the Account ID
6. Click the to save the configuration and then restart.

The screenshot shows the LAVA Telecom web interface. At the top, there is a navigation bar with links: Home, Account, Network, Function Keys, Setting, Directory, and Management. On the left, there are menu options: Line Key, Memory Key, and Programmable Key. The main content area features a table for configuring function keys:

Memory Key	Type	Value	Account	Pickup Code
Key1	Shared Line	2402900425_1	Account 1	
Key2	N/A		Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

Below the table are two buttons: and .

NOTE
Key Type:
 The free function key Type Speed Dial, BLF, Key Event, intercom, URL.
BLF:
 BLF setting require a phone restart




Note:

This feature is not available on all servers. For more information, contact your system administrator.


Public Hold

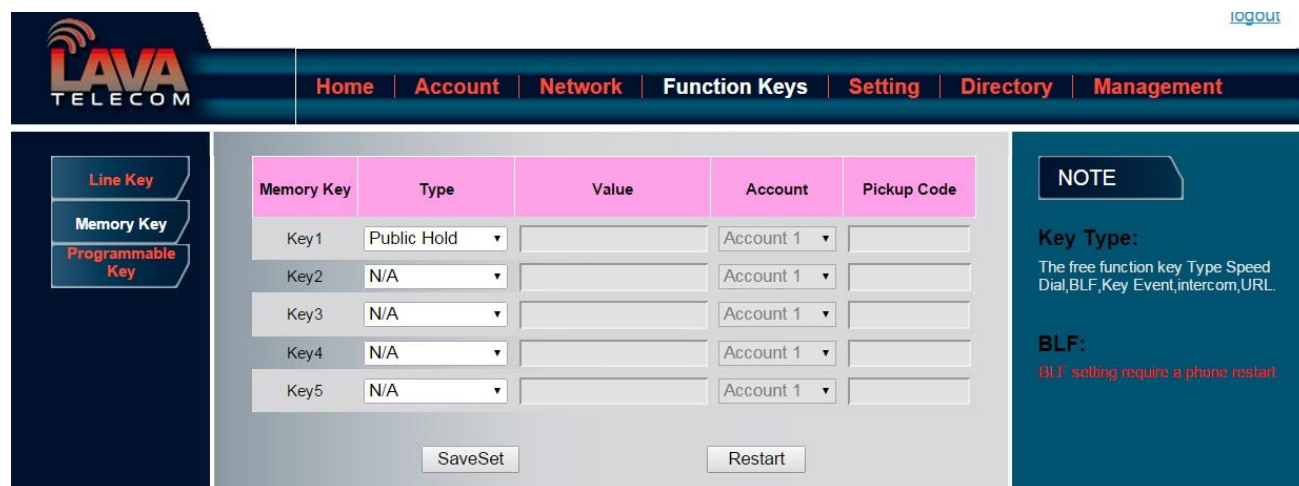
The key can be configured as a public hold key. During a conversation, all members belonging to that particular SLA group can use this key to hold or resume a call.

To configure the Public hold via phone interface

1. Press Menu → Features → Function Keys → Line or Memory keys as Function Keys → Memory key1 (for example)
2. Select the wanted Line or Memory key.
3. Press  and  key to select the Public Hold.
4. Press  or Save soft key to save the configuration

To configure public hold via Web Interface

1. Click Function keys →Memory Key.
2. Select the desired Key and select public hold in the Type.
3. Click the  to save the configuration.



Memory Key	Type	Value	Account	Pickup Code
Key1	Public Hold		Account 1	
Key2	N/A		Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

NOTE




Key Type:
The free function key Type Speed Dial,BLF,Key Event,intercom,URL.

BLF:
BLF setting requires a phone restart.

Private Hold

The key can be configured as a private hold key. During a conversation, all members belonging to that particular SLA group can use this key to hold the call, but only the initiator can resume the call.

To configure the Private hold via phone interface

1. Press Menu →Features →Function Keys→Line or Memory keys as Function Keys → Memory key1(for example)
2. Select the wanted Line or Memory key.
3. Press  and  key to select the Private Hold.
4. Press  or Save soft key to save the configuration

To configure private hold via Web Interface

1. Click Function keys →Memory Key.

2. Select the desired Key and select Private hold in the Type.
3. Click the to save the configuration.

logout

LAVA TELECOM | Home | Account | Network | **Function Keys** | Setting | Directory | Management

Line Key
Memory Key
Programmable Key

Memory Key	Type	Value	Account	Pickup Code
Key1	Private Hold		Account 1	
Key2	N/A		Account 1	
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	

SaveSet Restart

NOTE

Key Type:
The free function key Type Speed Dial,BLF,Key Event,intercom,URL

BLF:
BLF setting require a phone restart

Upgrade

Factory Reset

To set Factory Reset by phone interface

1. Press Menu → Setting → Advanced Setting(default password: admin)→ Factory Reset
2. Press OK soft key in the warning page.

To set Factory Reset via web interface

Click Management → Upgrade

Click and then confirm the setting.

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Password

Upgrade

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- Image Version

Major Version	IMG--1.0.3.61(2014-06-20 14:11:00)
Minor Version	IMG--0.0.0.1(Jun 20 2014 13:56:26)
- **Reset To Factory**
- Pcap Feature:
- Img Firmware Upgrade

Выберите файл	Файл ...бран
<input type="button" value="Upgrade"/>	

NOTE

Image Version:
Show the information of the two system image version .

Reset To Factory :
Reset all the settings of the phone to default configurations.

Restart:
one simple operation for restart the voip application.

Pcap Feature

To use pcap via web interface:

1. Click Management→Upgrade
2. Click Start and then operation the phone
3. When finish the operation, click stop and then click Export.
4. Then you'll get the Pcap captures.

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Password

Upgrade

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Reboot

- Image Version

Major Version	IMG--1.0.3.61(2014-06-20 14:11:00)
Minor Version	IMG--0.0.0.1(Jun 20 2014 13:56:26)
- **Reset To Factory**
- Pcap Feature:
- Img Firmware Upgrade

Выберите файл	Файл ...бран
<input type="button" value="Upgrade"/>	

NOTE


Image Version:
Show the information of the two system image version .

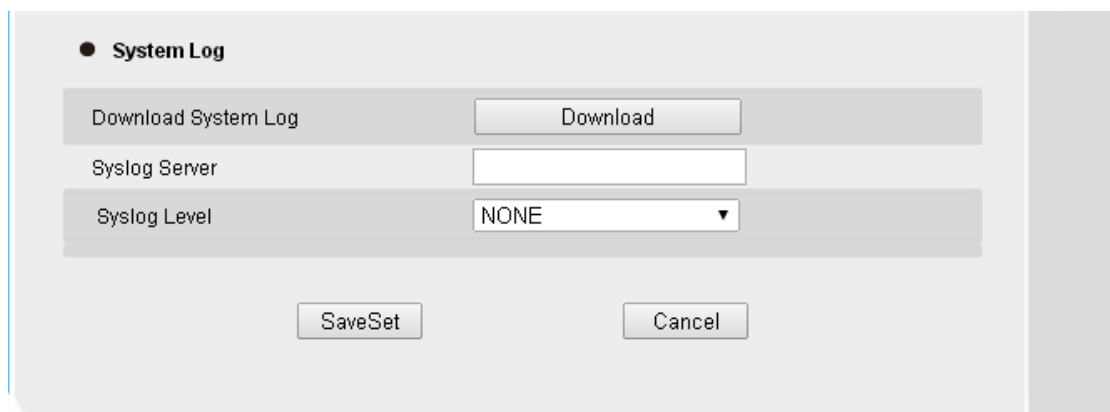
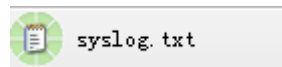
Reset To Factory :
Reset all the settings of the phone to default configurations.

Restart:
one simple operation for restart the voip application.

System Log

To download system log via web interface:

1. Click Management→Configuration
2. Click  of the system Log
3. Then you'll get a txt file: syslog.txt.



Upgrade

To upgrade software, this phone can be configured with a TFTP server where the new code image is located. The TFTP upgrade can work in either static IP or DHCP mode using private or public IP address. It is recommended to set the TFTP server address in either a public IP address or on the same LAN with the phone.

To configure the TFTP server via the Web configuration interface

Input the admin password to enter the configuration screen. From there, enter the TFTP server address in the designated field towards the bottom of the configuration screen.

Once the TFTP server is configured, please power cycle the phone.

TFTP process may take as long as 1 to 2 minutes over the Internet or just 20+ seconds if it is performed on a LAN. Users are recommended to conduct TFTP upgrade in a controlled LAN environment if possible. For those who do not have a local TFTP server, Lava provides a NAT-friendly TFTP server on the public Internet for firmware upgrade. Please check the Service

section of Lava's Web site to obtain this TFTP server's IP address.

Directory to configure local TFTP

1. Unzip the file and put all of them under the root directory of the TFTP server.
2. The PC running the TFTP server and the IP PHONE should be in the same LAN segment.
3. Go to File -> Configure -> Security to change the TFTP server's default setting from "Receive Only" to "Transmit Only" for the firmware upgrade.
4. Start the TFTP server, in the IP PHONE's web configuration page.
5. Configure the Firmware Server Path with the IP address of the PC.
6. Update the change and reboot the unit.

NOTE

Firmware Upgrade :
The detail sets about the firmware upgrade for the system.

Phonebook Download:
The detail sets about the phonebook XML download.

NOTES:

When Lava IP Phone boot up, it will send TFTP or HTTP request to download configuration files, there are two configuration files, one is "cfg.txt" and the other is "cfg001fc1xxxxx", where "001fc1xxxxx" is the MAC address of the phone. These two files are for initial automatically provisioning purpose only, for normal TFTP or HTTP firmware upgrade, the following error messages in a TFTP or HTTP server log can be ignored.

To upgrade manually via the Web configuration interface

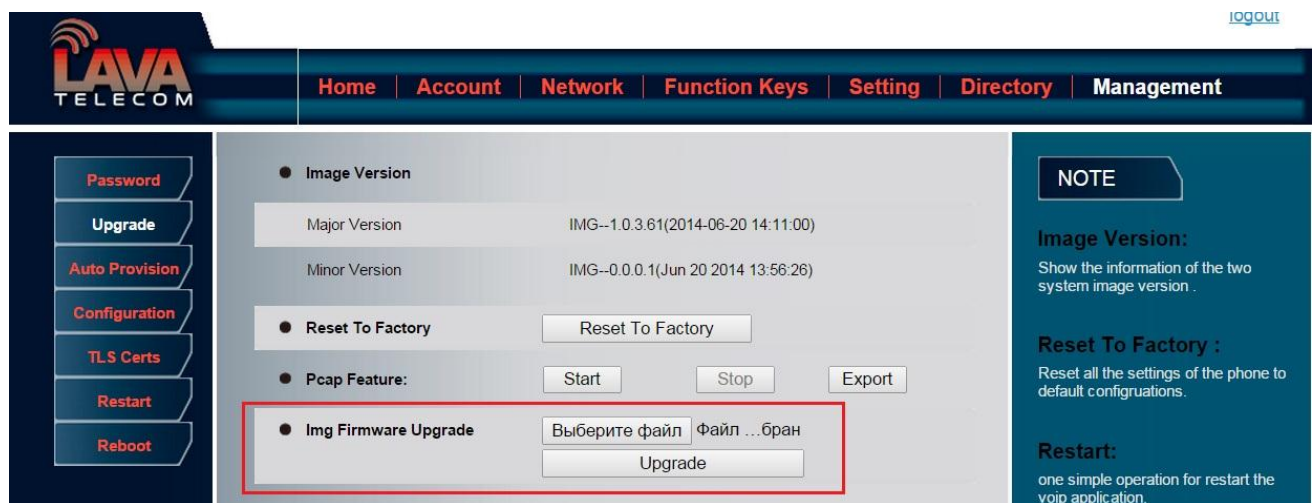
Download the firmware.

Click Management → Upgrade

Click Brower or the blank.

Select the firmware and then click .

Restart.



The screenshot shows the LAVA Telecom web configuration interface. The top navigation bar includes links for Home, Account, Network, Function Keys, Setting, Directory, and Management. A sidebar on the left contains buttons for Password, Upgrade, Auto Provision, Configuration, TLS Certs, Restart, and Reboot. The main content area displays the 'Image Version' section with fields for Major Version (IMG--1.0.3.61(2014-06-20 14:11:00)) and Minor Version (IMG--0.0.0.1(Jun 20 2014 13:56:26)). Below this are sections for 'Reset To Factory' (with a 'Reset To Factory' button), 'Pcap Feature:' (with 'Start', 'Stop', and 'Export' buttons), and 'Img Firmware Upgrade' (with a file selection field containing 'Выберите файл | Файл ...бран' and an 'Upgrade' button). A red box highlights the 'Img Firmware Upgrade' section. On the right, a 'NOTE' box provides instructions for 'Image Version', 'Reset To Factory', and 'Restart'.


Configuration File

To download configuration file:

1. Click Management → Configuration → Download Device Configuration
2. Then you can get a file: cfg.bin

The screenshot shows the LAVA Telecom Management web interface. At the top, there is a navigation bar with the LAVA Telecom logo and a menu with items: Home, Account, Network, Function Keys, Setting, Directory, and Management. A 'Logout' link is visible in the top right corner. On the left side, there is a vertical sidebar with buttons for Password, Upgrade, Auto Provision, Configuration, TLS Certs, Restart, and Reboot. The main content area is divided into two sections: 'Configure File' and 'System Log'. The 'Configure File' section has two sub-sections: 'XML Configuration' and 'Bin Configuration'. The 'Bin Configuration' row is highlighted with a red rectangle. The 'System Log' section includes a 'Download System Log' button, a 'Syslog Server' input field, and a 'Syslog Level' dropdown menu set to 'NONE'. At the bottom of the main area are 'SaveSet' and 'Cancel' buttons. On the right side, there is a blue sidebar with a 'NOTE' section titled 'Configure File:' which explains that exporting configuration files is used for backup and import after a reset. Below it is a 'System Log:' section stating that there are two methods to export the system log: Local or Server.

To Restore configuration file:

1. Click Management → Configuration → Restore configuration
2. Select the cfg.bin file, and then Click the  button.
3. Restart the phone.

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

Password

Upgrade

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Restart

Reboot

● **Configure File**

Download Device Xml Configuration

Restore Xml Configuration

Download Device Bin Configuration

Restore Bin Configuration

● **System Log**

Download System Log

Syslog Server

Syslog Level

NOTE

Configure File:
Export the configuraion files to backup the settings, and could import all the settings after reset.

System Log:
There are two methods to export the system log,Local or Server.

Troubleshooting

Why is the phone LCD screen blank?

1. Ensure your phone is properly plugged into a functional AC outlet.
2. Ensure that the phone isn't plugged into a plug controlled by a switch that is off.
3. If the phone is plugged into a power strip, try plugging it directly into a wall outlet instead.
4. If your phone is powered from PoE, ensure you use a PoE compliant switch or hub, or contact your system administrator for more information.
5. Check that the power LED is on to ensure the phone is powered on.

Why does the phone display "Network Unavailable"?

- Ensure that the Ethernet cable is plugged into the Internet port on the phone and the Ethernet cable is not loose.
- Ensure that the switch or hub in your network is operational.
- Contact your system administrator for more information.

Why can't I get a dial tone?

- Check for any loose connections and that the phone has been installed properly. For the

- Check whether dial tone is present on one of the audio modes.
- Switch between the Handset, Headset (if present) or Hands-Free Speakerphone to check whether dial tone is present for one of the audio modes.
- If the dial tone exists on another audio mode, connect a different handset or headset to isolate the problem.

Where to set the tone?

You can set the tone on web interface:


- Click Setting → Tones
- Define the dial tone, ringing, busy tone...
- For the tones, you can check with your system administrator.

The screenshot shows the LAVA TELECOM web interface. The top navigation bar includes 'Home', 'Account', 'Network', 'Function Keys', 'Setting', 'Directory', and 'Management'. The 'Setting' menu is active. On the left sidebar, 'Tones' is selected. The main content area displays 'Call Progress Tones' configuration. A syntax example is provided: `f1=freq@vol, f2=freq@vol, c=on1/off1-on2/off2-on3/off3; [...]`. The configuration table is as follows:

Setting	Value
Dial Tone	f1=350@-13,f2=440@-13,c=0/0;
Ringback Tone	f1=440@-19,f2=480@-19,c=2000/4000;
Busy Tone	f1=480@-24,f2=620@-24,c=500/500;
Reorder Tone	f1=480@-24,f2=620@-24,c=250/250;
Confirmation Tone	f1=350@-11,f2=440@-11,c=100/100-100/100-100/100;
Call Waiting Tone	f1=440@-13,c=300/10000-300/10000-0/0;

Buttons for 'SaveSet' and 'Cancel' are located at the bottom of the configuration area. A 'NOTE' box on the right states: 'Select Country: Choose the country you are in. In custom mode, you can write the tones manually in this format.'

How to download XML Configuration?

- Click Management → Configuration → 

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

- Password
- Upgrade
- Auto Provision
- Configuration
- TLS Certs
- Restart
- Reboot

● **Configure File**

Download Device Xml Configuration

Restore Xml Configuration

Download Device Bin Configuration

Restore Bin Configuration

● **System Log**

NOTE

Configure File:
Export the configuraion files to backup the settings, and could import all the settings after reset.

System Log:
There are two methods to export the system log,Local or Server.

How to Import TLS certificate?

- Click Management → TLS Certs
- Click Choose file to select the certificate
- Click

[logout](#)

LAVA TELECOM | [Home](#) | [Account](#) | [Network](#) | [Function Keys](#) | [Setting](#) | [Directory](#) | [Management](#)

- Password
- Upgrade
- Auto Provision
- Configuration
- TLS Certs
- Restart
- Reboot

● **TLS Certificate File**

Import TLS Certificate File

NOTE

Password:
If you login as an administrator, you can modify admin's password here.

TLS Certs:
you can import TLS certificate file here.