

Wifi Phone A52 User Guide

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For your safety

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.

SWITCH ON SAFELY

Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

ROAD SAFETY COMES FIRST

Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.

INTERFERENCE

All wireless phones may be susceptible to interference, which could affect performance.

SWITCH OFF IN RESTRICTED REGIONS

Follow any restrictions. Switch the phone off in restricted regions.

USE SENSIBLY

Use only in the normal position as explained in the product documentation. Do not touch the antenna unnecessarily.

QUALIFIED SERVICE

Only qualified personnel may install or repair this product.

ENHANCEMENTS AND BATTERIES

Use only approved enhancements and batteries. Do not connect incompatible products.

THE PERFORMANCE OF THREE-PROOF

Your phone has a waterproof, explosion-proof, dust-proof and anti-drop performance, but uses it with care.

BACK-UP COPIES

Remember to make back-up copies or keep a written record of all important information stored in your phone.

CONNECTING TO OTHER DEVICES

When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.

Start

Please read the manual before installing and using this product.

Package Contents

Wifi phone	x1
Battery	x1
USB line	x1
Adapter	x1
Quick guide	x1
Certificate of approval	x1

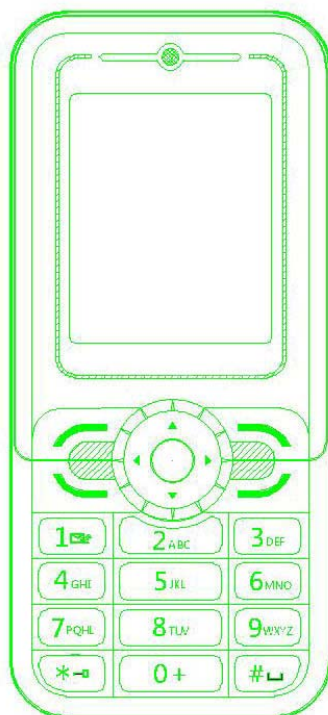
Phone Specification

Dimension	100* 45* 18 mm
Weight	100g
Battery	Rechargeable battery, 3.7V, 950mAh
Adapter	Input AC 100-220V / output DC 5V 1A
Protocol	SIP v2, RFC3261/STUN、RTP
LCD	Color LCD 1.8", 128*160

NOTE



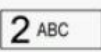






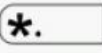


- The standby time depends on the network conditions, phone usage and surrounding area. The phone consumes more battery power under the following conditions:
 1. In areas with weak signals, with high or low temperatures, or when used outside the service coverage area.
 2. When the phone frequently searches for network signal due to location changes.
 3. When users talk on the phone for long periods of time (+ - 3hrs).
 4. The Alarm, Backlight or Vibration function is active.
 5. Ring or listening volume is set to maximum.

Handset Description



Key	Function
Left soft key	Select/done
Right soft key	Back/clear/exit
Answer key	Answer/dial
End key	Reject/end/back/power on/power off
Up	Up/increase
Down	Down/decrease
Left	Before/decrease
Right	Next/increase
OK	Same to the left soft key
Number key 1	Number 1 and symbols in common use “ . ” “_” “ ? ” “@” “ 1 ”
Number key 2	Number 2 and characters ABC
Number key 3	Number 3 and characters DEF
Number key 4	Number 4 and characters GHI
Number key 5	Number 5 and characters JKL
Number key 6	Number 6 and characters MNO
Number key 7	Number 7 and characters PQRS
Number key 8	Number 8 and characters TUV
Number key 9	Number 9 and characters WXYZ
Number key 0	Number 0/+-*% and for blank
Symbol *	Symbol * / symbols
Symbol #	Symbol # /shift input

Key Pad Define and Text Entry

Key	Text Mode		Key	Text Mode	
	Normal (ABC)	Numeric (0-9)		Normal (ABC)	Numeric (0-9)
		1		pqrsPQRS	7
	abcABC	2		tuvTUV	8
	defDEF	3		wxyzWXYZ	9
	ghiGHI	4			0
	jkijkl	5		* @ . _ - * # () % & +	.
	mnoMNO	6		#	#

Write Text

The number keys are not labeled all the letters that they can input. Letters that can be input refer to the language you select. This phone support English and Simple Chinese input.

English:

- Press the number keys 1 to 9 continuously until the right character appear.
- Press the key that character is labeled, once for the first character, twice for the second, so on and so forth.
- If the letter you want is at the same key with the before letter, you can press the left or right key, then enter the new letter.
- Press the key of number 1; you can input some interpunctuations you frequently use.
- Select “clear” to delete the character before the cursor.
- Select “#” to switch the input method.

Fit Battery

Push the battery cover upon and take it away, set the battery into the storehouse, then push the cover back to the phone.

Charge Battery

1. Link the USB line to the USB interface of PC, or link the USB line to the adapter, then link the adapter to the voltage of 220V for charging.
2. After that, the battery indication will start to roll while charging; when the phone finish charge, the indication will stop rolling, please pull out the adapter to use.

Power On /Off

Power On

Press the End key for 2 seconds, the phone start to respond and power on. You need to setup the phone first, if you have finished setting, the phone will search for the set WLAN automatically.



Setting needed



Standby mode

Power Off

Press the End key for 2 seconds, the phone will start to respond and power off.

Keypad Lock

Active: at standby mode, press * key first, and then # key

Unlock: press the * key first, and then # key



WLAN and VOIP Setting

This product support IEEE802.11b/g and SIP protocol, the default setting is without SIP information, you should get the SIP name, password and domain from operator first.

For example, the information of the WLAN you're going to use is:

SSID: WIFIAP

Security type: WEP-open

Password/Text: WIFI (or Hex key: 1016A386E)

The information of the SIP server you're going to use is:

SIP server (domain) : 51.108.26.31 (or maybe in the form of: sip.wifi.cn)

User name (SIP phone number):123456

SIP phone number: 123456(phone number could be the same to user name or not, that due to the setting of SIP server.)

Password: 1234

The detailed settings are as follows:

A: Search Available WLAN

1. At standby mode, press the left soft key or OK key to enter the main menu. (**The default initial password: 000000**)
2. Select **Settings> WLAN setup**, select one from the default 1-8 AP in WLAN setup, these eight factory default configurations are empty, the default display is "Default + list No.".
3. After entering the "**Options**" menu, first select "**WLAN Search**". After searching, there will be a list to show you the available **AP, with security type and signal strength**. Select **the one with highest strength** (if this AP is permitted to use), press left soft key or OK key to setting.

Note: The security type of the selected AP was shown at the searched AP list. We take the type of WEP-OPEN for example here; you can set other types by following the indication.

B: Connect WLAN

1. Set the **SSID** name **WIFIAP** first (the default name is the one you have just selected, the name is consistent to AP currently), press left soft key or OK key to enter **change** menu.

Enter SSID

WIFIAP

2. Select **Security Type> WEP-OPEN> WEP Key index> WEP Key 1**, press left soft key or OK key and enter the **WEP-OPEN** menu again. If the security type is "Open", go to Step 3 directly.

Select **Key / Pass> Passphrase/ Hex Key**, press left soft key or OK key enter the **Enter key**

(Hex) mode, key of the SSID is the one of the AP you have just selected., then press the left soft key or OK key enter **change** menu again.

Enter passphrase		Enter hex key
WIFIAP	or	WIFIAP

3. Select **IP setting> Use DHCP** (If the WLAN you selected support DHCP server), press left soft key or OK key to enter **change** menu again.

You can also select **static IP**, follow the indications, and enter the IP address, net mask, gateway, DNS address in turn. And back to **change** menu after setting.

4. The functions of configuration item "**Options**" menu are as follows:

Use - use the configuration item

Change - set the configuration item

Rename - rename the configuration item

Search - search an AP for the configuration item

WPS - connect the configuration item in WPS

Reconnect - reconnect the AP under the configuration item

C: SIP Server Register

1. WiFi phone number setting

You should get SIP phone number (SIP user name), password and SIP server domain from operator first.

Select **VOIP Settings**, select one from the default 1-8 AP in WLAN setup, then enter the "**Options**" menu, select "**Change**" menu to set configuration item.

Select **VOIP identify> Phone number**; input SIP phone number 123456, then press left soft key or OK key to enter the **VOIP identify** menu again.

Enter phone no.
123456

2. SIP domain setting

Select **VOIP setting> change> VOIP identify> SIP domain**, press left soft key or OK key, input SIP server address, press left soft key or OK key and enter the **VOIP change** menu again.

Enter domain		Enter domain
51.108.26.31	or	Sip.wifi.cn

3. SIP server authentication

Select **VOIP authentication> SIP user name/ password**, then press left soft key or OK key and enter the **VOIP change** menu.

Enter user name		Enter password
123456	and	1234

4. SIP Server Setting

Select **VOIP server**> **SIP server address/SIP proxy address**, press left soft key or OK key and enter the **VOIP change** menu.

Enter SIP server address		Enter SIP server address
51.108.26.31	or	Sip.wifi.cn

5. After VOIP Information is set up, return to VOIP Setup menu, press the left soft key or **OK** key to enter the configuration item, select "**Use**", then the configuration item will be taken effect.

6. The functions of configuration item "**Options**" menu are as follows:

Use - use the configuration item

Change - set the configuration item

Rename - rename the configuration item

Note: 1. STUN protocol is set in SIP server currently; you needn't to set in your handset again. If the SIP you registered doesn't support STUN, you can search for it on internet and set in your handset.

2. The port number of VOIP protocol is default; you needn't to set in your handset again except your operator provides you another one. To set it, enter the symbol ":" after the SIP sever address, and then input the port number.

Enter SIP server address

51.108.26.31: 5060

3. This edition doesn't support voice mail now.

Dial/Answer Call

1. Enter the integrity number, or you can search the number from the phonebook; or simply click dial key to recall the recent phone number.
2. Press the Answer key to call the number; you can press the up/down key or left/right key to set the volume of the speaker and microphone.
3. Press Answer key to answer a call, to reject a call press the End key.

Call Hold:

Call Hold is that users on a call can temporarily interrupt the original call (after call hold the phone is in silent mode). To restore the original call, the user just needs to release the call hold function,

Hold: Call status > left soft key > Call Options >1 Hold

Unhold: right soft key can release hold directly (or click the left soft key) > 1 Unhold

Call Mute:

Call Mute is that the user which selects Call Mute can only receive but not call.

Mute: Call status > left soft key > Call Options > 2 Mute

Unmute: right soft key can release mute directly (or click the left soft key) > 2 Unmute

Call Transfer:

Call Transfer is that the users on a call can transfer the current call to the online users on third-party server platform, the transfer user withdraws the current call, and the remaining one establishes a new call with the third party.

For example: 8001 and 8002 in the call state, 8002 transfer the current call to the user number 8003. At this time 8001 and 8003 establish a new call, and then 8002 withdraw the current call.

**Call Transfer: call state > left soft key > Call Options > 3 Transfer > 3 Dial Call
(Or call from the phone book)**

New Call:

New Call is that the users on a call can make a third-party call; the initial call will be automatically held when the new call begins (the original call is in silent model). When the new call hangs up, after the caller release hold, the original call can be restored.

New Call: call state > left soft key > Call Options > 4 New Call (or call from the phone book)

Restore the original call > right soft key directly release hold (or click the left soft key) > 1 Unhold

For example: 8001 and 8002 in the call, 8002 launch a new call to a third-party user 8003. At this time 8002 and 8003 establish a new call, the call between 8001 and 8002 is on hold, either 8002 or 8003 can hang up the new call, after 8002 release hold, 8001 still can talk with 8002.

Note: Hold, Mute, Transfer, New Call function don't distinguish the calling party and the called, all parties can achieve above functions.

P2P

On standby interface, press combination keys " *0000 " into P2P dial interface:

* Enter **P2P numbers**, finished with clicking "OK"

* Enter **P2P IP address**, finished with clicking "OK"

Comes to the "start P2P dial" prompt, click "OK", then a P2P call begins

Note:

1. For P2P calls, all Wifi phones need to register on an AP, or an AP under the same subnet, and automatically or manually obtain the IP address.
2. To make P2P calls, the VOIP numbers and SIP server address of the caller and the called can not be empty, but can random fill in the information.
3. During P2P calls, you can not answer the VOIP calls.
4. When you choose Static IP, please set the gateway address.

Menu Function

You can press left soft key to enter the main menu at standby mode, and then choose the function you want. Press right key “back” you will back to the higher level menu. Press the End key you will back to the standby mode.

Not all menu functions or option items are described here.



Call

Phonebook

Select **Menu>Call>Phonebook**, You can save names and phone numbers in the phone memory. The internal contact list can store up to 200 names.

You can also use the following options in the Phonebook menu:

- Phone numbers----- classify the number and store
- Special ring----- select the special ring for the entry
- Edit name----- edit name for the entry
- Delete entry----- delete entry from phonebook

Find name and number from phonebook

1. Scroll down in the standby mode, select **Menu>Call>Phonebook>Find/Add name**.
2. Enter the first letters of the name. Scroll to the name that you want.

You can press # to switch the input method.



Dial

Select **Menu>Call >Dial**, you can enter the number you want and call it then.

Recent Calls

Select **Menu>Call>Recent calls**, The phone logs 10 phone numbers each of missed, received, and dialed calls; the approximate duration of all calls.

The phone logs missed and received calls if it is switched on, within the network service area, and the network supports these functions.

Speed Dial

Select **Menu>Call >Speed Dial**, you can dial the number key once for a call number.

Message

Create

Select **Menu>Message>Create**, then edit a new message here and sent it out.

Inbox

Select **Menu>Message>Inbox**, you can look over the messages you have received here. This box can only store 20 messages at most, when it's full, please delete some old once in time.

Outbox

Select **Menu>Message>Outbox**, you can look over the messages you have sent here. This box can only store 20 messages at most, when it's full, please delete some old once in time.

Drafts

Select **Menu>Message>Drafts**, you can look over the messages you have store here. This box can only store 20 messages at most, when it's full, please delete some old once in time.

Group list

Select **Menu>SMS>Group list**, you can add and edit the group list, or view and change the contacts in this list. You also can send group SMS to the group list users.

Group list > 1 View list > 2 Add list > 3 Send message > 4 Rename list > 5 Delete list

1. Can store up to seven group lists, and each group list can store 20 users
2. Can add group list user from the phone book directly.

Note: Before you send messages, be sure the SIP server you've used support this function.

Utilities

Stop watch

Select **Menu>Utilities>Stop Watch**, press left soft key to active the stop watch and start to time.

Calculator

Select **Menu>Utilities>Calculator**, Press keys 0 to 9 to insert digits and # to insert a decimal point. Press * to select algorithm, and left soft key to get result.

Note: This calculator has limited accuracy and is designed for simple calculations.

Calendar

Select **Menu>Utilities> Calendar**, press up/down/right/left key to look over.

Setting

In this feature, you can change the phone's various settings. In order to prevent other people changing the user's settings, please input your password to enter the settings menu. The initial password is **000000**, you can change this password in the "Password Settings" menu.

Phone Setup

Volume Setting

Select **Menu>Setting>Phone Setup>Volume Setting**, you can set the volume of receiver, speaker, ring, keypad.

Prompt Mode

Select **Menu>Setting>Phone Setup>Prompt Mode**, you can select special ring, or set the phone to vibrate mode or ring + vibrate mode when you receive a call

Screen/Keys

Select **Menu>Setting>Phone Setup>Screen/Keys**, you can set contrast, backlight, key repeat, key click volume here.

Speakerphone

Select **Menu>Setting>Phone Setup>Speakerphone**, you can set it on or off.

Language

Select **Menu>Setting>Phone Setup>Language**, to select the menu language you want (including English and Chinese).

Edit Greeting

Select **Menu>Setting>Phone Setup>Edit Greeting**, you can edit greeting for your phone.

Sync with PC (USB phonebook)

Select **Menu>Setting>Phone Setup>Sync with PC**, USB can read and write phonebook, so that it will be more convenient for users to upload and download phonebook.

1. Wifi Phone connect to PC through USB, enter Wifi Phone **Menu > Setting > Phone Setup > Sync with PC**, Wifi Phone will show **Ready Now** prompt.
2. Enter the dyna USBtool client software > **Enter list**, click OK when prompt box appears.
3. Select **Com3** serial port, click to **Open Serial Port** button.
4. Select the left bottom **Connect** button, after successful connecting PC to terminal and terminal to PC, the button will be available, Wifi Phone will show **Synchronizing**
5. PC and Wifi Phone can inter-transmit data each other.

Note: This function can not be achieved without dyna USBtool.

WLAN Setup and VOIP Setup

See page 6 for details.

WLAN Setup>Security Type

Select **Setting>WLAN Setup>WLAN/IP Setup>Change>Security Type**, this product support security type of Open, WEP, WPA2, WPA-PSK, WPS etc., you can choose the different type for different WLAN. The operation is the same to the WEP-Open type; you can set it following the indication.

VOIP Setup> VOIP methods > Keep Alive

You can choose to keep Alive or not to change the interactive frequency between the Wifi Phone and the server. When you keep alive the phone, the interactive frequency becomes larger; when you don't keep alive, the frequency becomes smaller; Wifi Phone doesn't keep alive by default, normally this will not affect your use of the phone.

PING Test

Select **Menu> Settings> PING test**, PING test is for testing network delay and for users to view the current network status. Under this function interface, you can manually input any IP address for testing, or can choose the complete gateway, DNS, SIP server, SIP proxy and STUN server for testing.

Time/Date

Select **Menu>Setting>Time/date**, you can set the time and date of your phone here. You can also select a mode of the time/date format.

Upgrade Server Address

Select **Menu> Setting> Upgrade Server Address**, enter the upgrade server address in window; when you start to upgrade, the system will connect to it automatically.

Firmware Upgrade

Select **Menu>Setting> Firmware Upgrade**, the system will check for the new files and upgrade automatically.

Erase All

Select **Menu>Setting> Erase All**, this function will erase all of the user settings to reset all settings to their default values.

Password Setup

Select **Menu>Setting> Password Setup**, users can change the password here, according to the operation tips.

Status Summary

Wifi Phone provides user shortcut to look over the settings, there will be a detail list after you setup your phone.

- VOIP Status
- WLAN Status
- AP Channel
- Signal Strength
- Storage Status
- Battery Display
- Phone Number
- MAC Address
- Firmware Version
- Server Information

Note: You can only look over the information here, if you want to change your settings, go back to the setting menu.

Basic Trouble Shooting

QUESTION	RECOMMENDED ACTION
Why can't I switch on?	<ol style="list-style-type: none">1. Check if the battery is inserted correctly.2. Check if the battery is running out of power. Connect the handset to PC or voltage.
Why is there no signal?	<ol style="list-style-type: none">1. Check if there is any available AP.2. Check if AP is setting correctly. Check if AP settings (SSID, WEP key) of WLAN are correctly.
Why is nothing displayed on the LCD screen?	<ol style="list-style-type: none">1. Check if battery is running out of power.
Why can't I make a call?	<ol style="list-style-type: none">1. Make sure you have registered the SIP server correctly.2. Make sure you have setup the WLAN correctly.3. Make sure the number you dialed is available.
Why isn't my firmware upgrading?	<ol style="list-style-type: none">1. If the version of your handset is the latest, it won't update again.2. Check if the upgrading address is correct.
Why can't I roam?	<ol style="list-style-type: none">1. Your handset can roam only between the APs with same SSID name and password, if not, you have to set it up again.