



Wi-Fi Portable Phone

# Liberty1

## User Manual

apivio  
EMERGING VOICE

# User Precautions

Please read the instructions carefully to protect yourself and others from personal injury or damage to property.

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## Precautions when installing

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- Please avoid installing in excessively hot, cold, dusty or humid places.
- Please avoid exposure to strong vibrations or direct sunlight.
- Because the phone generates heat when it operates, please do not install it in locations with low heat tolerance.
- To prevent fire or risk of electric shock, please do not use with a damaged cord or plug, or touch the power outlet with wet hands.
- Please do not place on an unstable surface to avoid injury or breakage if dropped or fallen.

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## Precautions when cleaning

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- Please use a dry, soft cloth when you clean the phone.
- Please do not use harsh chemicals such as benzene or thinner to clean the phone.
- Please wipe the power plug with a dry, soft cloth if it is wet or dusty, as this may be a fire or electric shock hazard.

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## Precautions when using

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- Please do not touch the phone with wet hands.
- Please do not use the phone for other than its intended purpose.
- Please do not pull on the power plug and adapter when unplugging the phone.
- If the phone emits an unusual noise or smell, or if you see smoke coming from the phone, please unplug the adapter and cable immediately.
- Please do not place the phone in an area that is wet or dusty.
- Please do not place anything heavy on top of the phone.
- Please do not put any foreign material inside the product or charger.
- Please do not place the phone near or in areas of extreme heat, such as in direct sunlight or beside a heater.
- Please do not place the product close to magnetic objects such as a magnet, TV, monitor or speaker.
- Please back up your valuable data on the phone, as a precaution.
- Please note that the phone and battery can get heated up during a lengthy call.
- Do not modify or disassemble the phone, or use any other manufacturer's firmware to upgrade the phone.
- Failure to comply with the precautions in this section will void any applicable warranty.

# User Precautions

## Precautions when using battery

- Please don't use this phone with a battery from another manufacturer, as this could damage the device.
- Replace the battery if it appears swollen, as there is a risk of explosion.
- Use only the specified manufacturer's charger to charge the phone.
- Keep the phone and battery away from children and pets.
- Do not place the phone or battery near firearms or unlicensed radio products.
- Do not submerge the phone or get the battery wet.
- Do not store or use the phone inside a car during the summer, or in steam rooms, or other areas with high temperature and humidity.
- Do not continuously use the phone for long periods of time.
- Do not place the phone directly on blankets, electric blankets, or carpeted areas.
- Do not allow metallic objects to come into contact with the battery terminals.
- Do not disassemble, crush, or puncture the phone or battery, as there is a risk of explosion and electric shock.
- Do not incinerate the battery. Dispose of it or recycle it in accordance with local regulations.
- Normal battery life should continue for at least 6 months from date of purchase.
- Before first time use, and after using the phone for a long period of time without charging, please charge the battery fully by placing the phone in the cradle.

## FCC SAR Compliance Statement

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992.
  - National Council on Radiation Protection and Measurement (NCRP). Report 86.1986.
  - International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996.
  - Ministry of Health(Canada). Safety Code 6.
- The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phone employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

# User Precautions

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## Warnings

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- This device is for indoor use, only in the 5150~5250Mhz frequency range.
- This device was tested for typical body-worn operations.
- To comply with RF exposure requirements, keep at least 1.5cm (0.5 inches) between the user's body and the headset, including the antenna.
- Do not use third-party belt clips, holsters, or other accessories that contain metallic components.
- Avoid use of body-worn accessories that do not meet the above criteria, as they may not comply with RF exposure requirements.

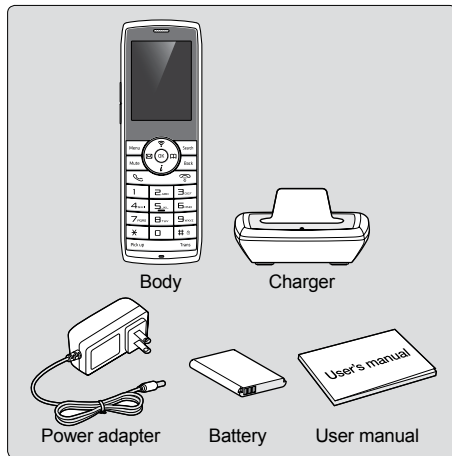
User manual specifications and the IP Phone software version may be changed by the manufacturer without any notice.

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## Components

Please check to ensure the components pictured below are in the box after purchase. Please contact the retail store where you purchased the device, if there are any missing items.



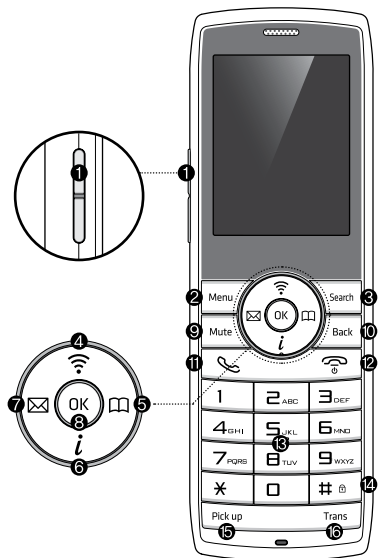
## HD Voice Features

- This device uses high-end speakers and receivers to support HD Voice capability.
- This device deploys HD Voice clarity similar to an HD TV.
- This device outputs a higher voice quality than the standard Internet phone.



<Voice quality comparison between standard phone voice technology, and HD Voice technology>

## About the Phone



1. Volume : Adjust the sound volume.
2. Menu : Access the phone menu.
3. Search : Search your registered Wi-Fi networks.
4. Wireless line : Search Wi-Fi networks.
5. Phone book : Access the phone book.
6. System info : Access system information.
7. Message : SMS(Texting is not supported at this time).
8. OK : Select the item.
9. Mute : Mute your current call.
10. Back : Cancel the selected item or return to the previous menu.
11. Call : Receive or end a call.
12. End : Power on/off.
13. Number/ Text : Input numbers or text.
14. #/Lock : Press and hold the [#] button to lock/unlock the keypad.
15. Pick up : Pick up a call from another phone on your account.
16. Transfer : Transfer current call to another phone number.

# LCD Status



## Status Icon

Indicates phone status. Please refer to the icon legend on the right, for details.

## Time, Date

Indicates the time and date.

## Menu

Press to access phone menu.

## Search

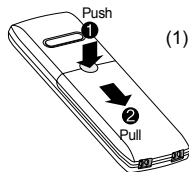
Press to search phone book.

	Indicates Wi-Fi signal strength. Strong signal  Weak signal
	Indicates the phone call function is unavailable.
	Indicates the phone call function is available.
	Indicates the alarm has been set.
	Indicates you have unread messages.
	Indicates the answering machine function has been set.
	Indicates that the phone is in locked mode.
	Indicates battery status. Fully charged  Good  Poor  Charge
	Indicates the battery is charging, and the charging status.



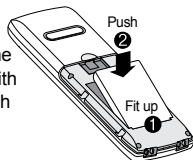
## Insert the battery

Please use the included battery. If you need to exchange or purchase another battery, please contact an authorized service centre.

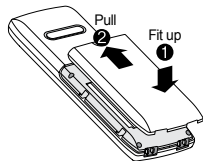


(1) Push down on the battery cover, as shown at left, and pull down (2) to separate.

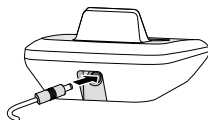
Insert the battery with the charging pins aligned with the grooves (1) and push down on (2).



Replace the battery cover bottom first, at (1) direction and push down, sliding up toward (2) until you hear a click.



## Install the adaptor



Connect the adaptor to the rear connector.

Connect the charger plug into a power outlet.

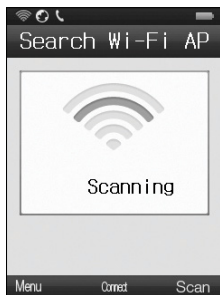


Place the Wi-Fi phone on the charging cradle to charge.


**Tip**

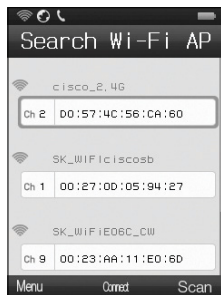
You can check the charging status with the indicated  icon on the top display.

# Wi-Fi Connection

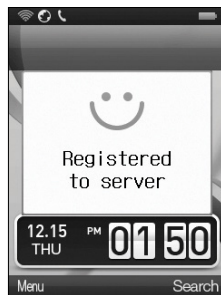


Press and hold the [End] button for 3 seconds to power on the phone.

Press  to search for available Wi-Fi connections



Select the desired network, Press [OK], and enter applicable password.



You will be connected and can begin using your device.



While connecting to an AP, Web browser will open automatically if Web Authentication is required. After connected to the AP, if registration to the server fails, open Web browser again and check whether it has been connected to the AP. (Refer to the page 16)

## To Access Web UI

You can check the phone status or set up the phone via Web browser. Please follow the steps below.

1. To check IP address  
[Menu] → 8.System info → 3.Network info
2. Input `http://IPAddress:8000` on web browser to access Web UI



3. Input ID:user, Password:0000 to log-in

**Authentication Required** ✕

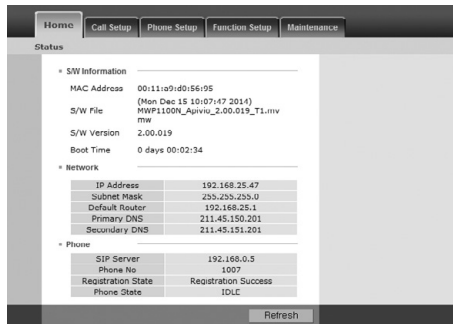
The server `http://192.168.25.47:8000` requires a username and password. The server says: 192.168.25.47.

User Name:

Password:

## Home

You can check the current phone status.



**Home** Call Setup Phone Setup Function Setup Maintenance

Status

- SW Information
  - MAC Address 00:11:a9:d0:56:95  
(Mon Dec 15 10:07:47 2014)
  - S/W File MWP1100N\_ApiViu\_2.00.019\_T1.mw
  - S/W Version 2.00.019
  - Boot Time 0 days 00:02:34
- Network

IP Address	192.168.25.47
Subnet Mask	255.255.255.0
Default Router	192.168.25.1
Primary DNS	211.45.150.201
Secondary DNS	211.45.151.201
- Phone

SIP Server	192.168.0.5
Phone No	1007
Registration State	Registration Success
Phone State	IDLE

# To Access Web UI

## Call Setup

Account : check the account information.

The screenshot shows the 'Call Setup' web interface. At the top, there are navigation tabs: Home, Call Setup (selected), Phone Setup, Function Setup, and Maintenance. Below the tabs, the page title is 'Account'. The main content area is titled 'Account Config.' and contains the following fields and options:

- User ID:
- Password:
- Auth Name:
- Display Name:
- Domain Name:
- Display Name Encoding:
- Auto detect remote enc.:  Enable

At the bottom of the form, there are two buttons: 'Save Settings' and 'Cancel Changes'.

## Phone Setup

Phone Password : change the user password.

Network : setup roaming feature.

QoS : setup QoS related setting.

Time : select Time zone and setup NTP server.

The screenshot shows the 'Phone Setup' web interface. At the top, there are navigation tabs: Home, Call Setup, Phone Setup (selected), Function Setup, and Maintenance. Below the tabs, the page title is 'Phone Password'. The main content area is titled 'Password Config.' and contains the following fields and options:

- Old Password:
- New Password:
- Confirm:

At the bottom of the form, there are two buttons: 'Save Settings' and 'Cancel Changes'.

# To Access Web UI

## Function Setup

Functions : setup the phone functions.  
WiFi Scan Channel : select WiFi channels.















The screenshot shows the 'Function Setup' page of a web interface. At the top, there are navigation tabs: Home, Call Setup, Phone Setup, Function Setup (selected), and Maintenance. Below the tabs, there are two sub-sections: 'Functions' and 'WiFi Scan Channel'. Under 'Functions', there are several settings: 'Auto Answer' (set to 'Disable'), 'auto Call Receive Numbers' (empty text field), 'Call Wait' (checked 'Enable'), 'Auto prefix' (unchecked 'Enable'), and 'Prefix' (empty text field). Under 'WiFi Weak Signal Alert', there are: 'Weak Signal Alert' (unchecked 'Enable'), 'Start RSSI' (set to -75), 'Clear RSSI' (set to -72), and 'Period' (set to 4 seconds). At the bottom, there are two buttons: 'Save Settings' and 'Cancel Changes'.

## Maintenance

Reboot : reboot the phone.  
Factory Default : restore to factory default setting.  
- Please make sure before restore to factory default.  
All the setting will be completed deleted.

The screenshot shows the 'Reboot' page of a web interface. At the top, there are navigation tabs: Home, Call Setup, Phone Setup, Function Setup, and Maintenance (selected). Below the tabs, there are two sub-sections: 'Reboot' and 'Factory Default'. Under 'Reboot', there is a section for 'IP Phone Reboot' with a text field and a 'Reboot!!' button. Below this, there is a message: 'Press the "Reboot!!" button to reboot the hardware'.

## ○ Make a Call / Hang Up

Input the call number	 Press the phone number . 
Using phone history	   Select the number in history.  
Using phone book	   Search and select the desired number.  
Short dial	 In standby mode, press and hold the last digit of Short dial. (Short dial can be registered 00~99)
End call	

**Tip**

To set the answer type: [Menu] → 2.Call Manage → 2.Answer type.

### Answer a call with Out of Office function


If the Out of Office function is activated, the phone will answer calls with an auto-answer.

**Tip**

To set the Out of Office function: [Menu] → 4. Useful Functions → 1.Out of office

## ○ Answer a Call


### Answer call directly

- If Answer type is set to Press button :  
Press any button to receive incoming call, except the  button.
- If Answer type is set to Hold handy :  
Call is connected when you lift the phone from the charging cradle.

## ○ Call History

You can check outgoing, incoming and missed calls.

The phone saves up to 100 logs in your history.

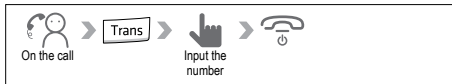
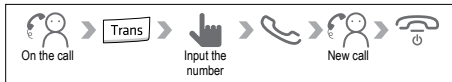
-  Button : Call one of the logged phone numbers.
- [OK] Button : See phone number details.
- [Menu] : Send a message(if enabled) or save/delete number.

**Tip**

To manage calls:[Menu] → 2.Call Manage → 1.Logs

## Transfer Trans

You can transfer a call to another number or to another phone in the same group.



## Pick Up Pick up

You can answer another ringing phone on the same network. This function requires a pickup code and group.

## Mute Mute

Press [Mute] button during an ongoing call to mute your voice.

## Adjust Volume

In standby mode, press [Volume] and click the button. You can adjust Volume, Ring, Call, Power On/Off, Alarm. Adjust the volume (8 steps) by pressing [Volume] or .

**Tip** Adjust the volume on call : Adjust the voice volume on a phone call(8 steps) by pressing the [Volume] button.

## Ring Type

Easily search and change ringtones. Select from 10 WAV ringtones or 10 MIDI ringtones.  
[Menu] → 5.Sound → 1.Ring setting

## Phone Book

### Search Contacts

Search by assigned number, name, phone number, or group. After selecting the item, press the [Call] button.

→ 1.Search contacts → Select →

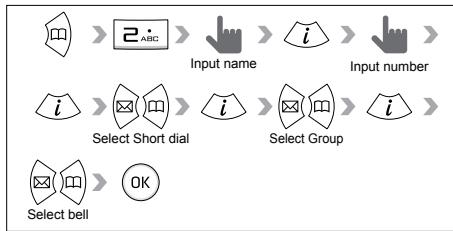
# Phone Book

**Tip**

- In the phone book list, press the [Menu] button to delete or edit entries.

## Register Contacts

Follow the steps below to register new contacts.



**Tip**

- Store up to 500 Contacts and up to 100 on speed dial.
- Press the [Search] button to locate the phone number type.

**Tip**

- Manage groups at → 3. Manage groups.
- Press the [Menu] button to Add, Edit, Delete groups and members. Register up to 30 per Group.
- After saving and storing a number, register it as a group member by pressing the [OK] button.

## Call Forwarding

Receive forwarded calls from another number.

- How to set : [Menu] → 2.Call Manage → 6.Call forwarding → Select the Set → → Input the number to Call Forwarding →
- How to clear : [Menu] → 2.Call Manage → 6.Call forwarding → Select Unset →

**Tip**

- Select Call Forwarding in the Call FWD section to set the No answer, Always, Busy options.








Send and receive messages with your phone.

Please inquire with your service provider if this function is available in your area.

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## Write the message

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 → 1. Write →  → Input the number →  → Select save mode →  → Input the sender number → 




Use the Search or Draft Box Save function on the Receive Number screen.

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## Inbox

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 → 2. Inbox

Check received, sent and draft messages.

Select a message and press the [Menu] button to access Deliver, Save Number and Delete functions.

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## Spam Message

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 → 3. Spam Message

- Register spam number : Register up to 5 spam numbers.
- Spam Inbox : Check the spam message.
- Setting : Choose whether to block the spam message or not.

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## Message setting

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 → 4. Message Setting

- Arrival alarm interval : Set for once, at two minute intervals, and to clear the alarm when message received.
- Setting alarm bell : Select from 3 notification bell tones.



This function available at [Menu] → 4. Message

# Useful Functions

















## Out of Office

[Menu] → 4.Useful Functions → 1.Out of Office

- Auto attendant : Set and clear the Out of Office auto answer while away from your desk/work.
















## Morning Call

Set and clear the Morning Call.

- How to set : [Menu] → 4.Useful Functions → 2.Morning Call →   Select setting →  → Input time →  →   Select notice →  →   Select the repeat interval and times →  →   Select bell type → 
- How to clear : [Menu] → 4.Useful Functions → 2.Morning Call →   Select Clear → 

## Alarm

Set and clear multiple alarm functions.

- How to set : [Menu] → 4.Useful Functions → 3.Alarm →   Select setting →  → Input time →  →   Select notice →  →   Select the repeat interval and times   Select bell type → 
- How to clear : [Menu] → 4. Useful Functions → 3.Alarm →   Select Clear → 

### Tip

Press the [Menu] button to delete and add alarm.

# Useful Functions

## Calculator

Use the Direction buttons or [OK] button to cycle through the on screen options. Press the [Back] button to delete one character. Press the [Menu] button to delete all.

- How to set : [Menu] → 4.Useful Functions → 4.Calculator

## World Time



Use the Direction buttons to cycle through, select and display the time and date of major cities worldwide.

- How to set : [Menu] → 4.Useful Functions → 5.World time




## Web Browser

To connect to an Access Point (AP) requiring Web Authentication: In your Web browser, move the cursor with the Navigation key. Use long key presses for faster cursor movement.

- How to set : [Menu] → 4.Useful Functions → 6.Web



Browser →  use Navi button to go to Input Box →  → Input ID & Password → Click Sign in button

### Tip

1. In the Input Box, press the [Back] button to delete all details.
2. In the Web browser, use the Volume button to toggle Page up/Page Down and use the Pickup key and Trans key to toggle Page Left/Page Right.
3. To change text entry mode, use  key for small/capital/numeric, and  key for special character.
4. If your web browser is freezing, click  button to go back to the main page.
5. In the input box, press 'Search' key to use TEXT INPUT mode.
6. TEXT INPUT key pad can be escaped once Web page is refreshed, then press 'Navi' key to use TEXT INPUT key pad again.

# Text Input

## To use TEXT INPUT Mode

- To input text, press any number or Search button then Text input keyboard will pop up.
- Use navigation button to move, and press OK to select the character, and press BACK button to delete, and long Back button press to delete all.
- Press 'Menu' button to finish text input, and press 'Search' button to modify.
- Use  key for small/capital character, and press  key for special character and to go back to character entry mode press 'a' or 'A'.
- Or press "\*" on the handset keypad to change text entry mode.



## To Use Keypad on the phone

- Use keypad on the phone and press 'Menu' button to complete.
- Press "\*" on the handset keypad to change text entry mode.
- Special character is only available on Text Input mode.

# Display

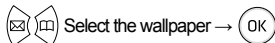
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## Wallpaper

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Select from 10 kinds of wallpaper for on-screen display.

- How to set : [Menu] → 6.Display → 1.Wallpaper →







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## Banner

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Display a desired phrase or phone number on the screen.

- How to set : [Menu] → 2 6.Display → 2.Banner →   
Phone num, Direct input →  → Input phrase →   
Select the color → 

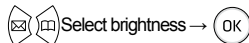
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## Brightness

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Adjust display brightness(10 levels).

- How to set : [Menu] → 6. Display → 3. Brightness →



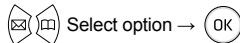
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## Backlight

---

Select a time out period for the backlight(10 secs, 20 secs, 30 secs, 1 min, 3 min, always on).

- How to set : [Menu] → 6.Display → 4.backlight →



## Display

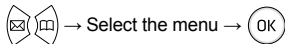
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### Menu style

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Select a menu style (Rotate or Grid)

- How to set : [Menu] → 6.Display → 5.Menu style →



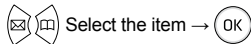
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### Home Screen

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Display the calendar or time on the screen.

- How to set : [Menu] → 6.Display → 6.Home screen →



## Setting

---

### Wifi setting

---

To search for available WiFi connections.

- How to set : [Menu] → 7.Setting → 1.Wifi setting →



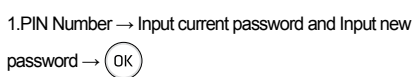
---

### Phone lock

---

To lock the phone and change the password.

- How to set : [Menu] → 7.Setting → 2.Phone lock →




## System info

---

### User Default

---

To delete all the user setting values including phone number.


- How to set : [Menu] → 7.Setting → 3.User Default → Input user password(default password '0000') → 

---

### Time zone

---

To set up the current time zone and daylight savings time.

- How to set : [Menu] → 7.Setting → 4.Time zone → select the zone → 

---

### Wi-fi info

---

Display the WiFi AP connection information.

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### About phone

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Display the current Hardware{H/W} and Software{S/W} version.

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### Network info

---

Display the current network information.

- This manual is for software version 2.00.022 and browser version 1.0.0.
- If your device's software version is different than the version above, you may download the most current version from "[www.apivio.com](http://www.apivio.com)".

# Trouble shooting

## Solutions to common issues (may occur even when the phone is functioning normally)

Symptoms	Solutions
1. The phone does not work.	The battery must be sufficiently charged for the phone to operate. Please charge the phone on the cradle, and ensure it is positioned correctly and securely. If the battery is fully charged but the phone does not work after the power button is pressed, remove the battery, reinsert it, and press the power button again.
2. Phone is unresponsive.	Remove the battery, reinsert it, and press the power button.
3. Phone call quality is bad.	<ul style="list-style-type: none"><li>- Ensure that the distance between the device and other call locations is not too far.</li><li>- Check for obstacles, such as walls, or for any severe local electromagnetic interference.</li><li>- If call quality is bad for calls between short distances, please power the phone off and then power it on again.</li><li>- If call volume is low, increase it using the volume control on the side of the phone.</li></ul>
4. The phone does not charge.	<ul style="list-style-type: none"><li>- Make sure your adaptor and the other phone's adaptor are connected.</li><li>- Please use the dedicated adaptor provided with the phone.</li><li>- Please make sure you clean the charging contacts on the charging cradle. Clean any loose foreign material or moisture on the contacts by wiping with a soft, dry cloth.</li><li>- If the phone still does not charge, please contact the warrantor to purchase a new battery.</li></ul>
5. Ringtone is too quiet.	Press [Menu] + [5.Sound] + [3.Volume] buttons to adjust ringtone volume.
6. Screen is too dark.	Press [Menu] + [7.Display] + [3.Brightness] buttons to adjust brightness of the screen.
7. Text message service/ Caller information does not display.	Make sure you are connected to a service provider.
8. Battery usage and standby time is shorter.	The battery life decreases over time with normal use. Please contact the warrantor to purchase a new battery.



## ○ Treatment before Disposal



Please dispose of this product according to local municipal regulations, or recycle where facilities exist.

## ○ Warranty

If your product does not work properly because of a defect in materials or workmanship, Apivio Systems Inc. (referred to as “the warrantor”) will, for the length of the period indicated on the chart on p. 20, which starts with the date of original purchase (“12 month Warranty period”), at its option will either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Contact information: [www.apivio.com](http://www.apivio.com)

# Damage Compensation

**Free of charge** Compensation services are free of charge for manufacturer's defects or spontaneous failure within the 12 month warranty period.

Types of damage		Compensation		
		Within warranty	After warranty	
Failures of performance and feature when the products have been used in the normal state	Major repair within 10 days from the purchase	Exchange or refund	N/A	
	Major repair within 1 month from the purchase	Exchange or free repair		
	Damages occurred during shipping or installation	Exchange		
	An exchanged product requires major repair within 1 month of exchange date. If exchange is not possible	Refund		
	Repairable case	Same defect occurs 3 times	Free repair	Repair with charge
		Same defect occurs 4 times	Exchange or refund	Repair with charge
		Different defects occur 5 times		Repair with charge
	The warrantor loses the product requested for repair.	Refund the price adding up		
	The warrantor does not have the parts to repair the product within the warranty period.	Exchange or refund	10% of the amount after depreciation	
	The warrantor has the parts for repair, but repair is impossible		Refund the amount after depreciation	
	Impossible to repair	Pay fee for repair and exchange	Refund the amount after depreciation	
	Impossible to repair	Free repair	Repair with charge	

**Service with charge** Please read the manual carefully. A service fee will be charged if you request repair on a non-faulty product.

Fault of users or failure due to mishandling

- Unauthorized repairs
- Intentional negligence
- Mishandling (dropping, submersion, excessive operation, etc.)
- Using third party parts or accessories

Other cases

- Natural disasters
- End of life of consumable parts
- The product or components are installed in a way other than the procedures shown in this manual.

## Specifications

Section	Description
RF Protocol	IEEE 802.11 a/b/g/n (CSMA/CA)
RF Channel / Frequency	2.400~2.4835GHz / 13 Channel 5.15~5.25, 5.25~5.35, 5.47~5.65, 5.725~5.825GHz / 19 Channel
Battery	Talk Time : Up to 4 Hours Standby Time : Up to 78 Hours Charging Time : Under 6 Hours
Input	AC 100~200V, 50~60Hz, 0.5A
Output	DC 5V/2A
Dimensions(mm) (WxDxH)	Handset : 155 x 51 x 16 Cradle : 100 x 84 x 46
Weight(g)	Handset : 90g, Cradle : 30g
Operating Temperature	-10°C ~ 50°C Ambient Temperature
Humidity	10 ~ 95%, Atmospheric Humidity



· Usual manual can be changed as IP Phone software version without any notice.

MWP-1100NAP-01(20150123)