

# **MH240 Wireless IP Telephone**

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## **USER'S GUIDE**

Please often read this manual, and handle it correctly ahead of the use.

Moreover, please keep it importantly so that it is shown at once when it is necessary after you read.

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# User Safety Protocol

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**Important:** Read this information before using your MH240 Phone.

Observe the following instructions to use this product safely, prevent you and other people from possible injury, and protect properties. Improper handling may cause heat, explosion, and fire.

## Danger

- ✓ Recharge the battery with the matching battery charger (see battery label description).
- ✓ Use the battery only for this MH240 phone system. Do not use it with other electrical devices.
- ✓ Keep the following warnings to prevent the battery pack from heating, explosion, and fire.
  - Do not throw the battery pack into fire.
  - Do not solder the battery pack directly.
  - Do not short the positive (+) and negative (-) terminal of the battery pack with metal.
  - Do not poke the battery nor smash it with hammer.
- ✓ Do not disassemble nor modify the battery pack. It has a safety circuit and a damaged circuit may cause heat, explosion, and fire.
- ✓ The internal liquid of the battery pack has strong acid. If the battery liquid gets into your eye, rinse your eye well with water and consult with a doctor.
- ✓ Do not use, leave, nor recharge the battery pack near fire or under the direct sunlight. High temperature may damage the internal safety circuit and may cause malfunction of the recharge, heat, explosion, or fire.

## Warning

- ✓ Do not use the unit when you notice smoke, strange smell or other unusual happenings. It may cause fire if you continuously use them. Turn off the power switch of the phone system immediately. For the recharger, disconnect the power plug immediately. Confirm that smoke is ceased, and then contact the nearest NEC service office. Never attempt to repair those units by yourself.
- ✓ If you had an accident such as dropping the phone and broke the unit, turn off the power of the phone system immediately. For the recharger, disconnect the power plug immediately. Contact the nearest NEC service office. If you keep using those units, they may cause fire or electrical shock.
- ✓ If water smeared into the unit, turn off the power of the phone system immediately. For the recharger, disconnect the power plug immediately. Contact with the nearest NEC service office. If you keep using those units, they may cause fire or electrical shock.
- ✓ Do not insert flammable or metal objects into the units. If a foreign object were accidentally placed into the units, turn off the power of the phone system and plug out the power adapter. Contact the nearest NEC service office. If you keep using those units, they may cause fire or electrical shock. Pay special attention to children to prevent from similar accidents.
- ✓ Do not attempt to disassemble nor modify the units. It may cause fire, electrical shock, or system malfunction. Modification by a user is prohibited by law.
- ✓ Do not open the units intentionally. It may cause electrical shock or system malfunction. Ask test adjustment, and repair of the units for the nearest NEC service office.
- ✓ Do not twist, put a heavy object, and push the phone system. Such actions may cause damage, fire, or injuries.
- ✓ Do not place a container with water such as a vase, a plant pot, a cup, cosmetics, chemicals, nor a small metal object. Splashing water over the units and foreign metal object inserted into the units may cause fire or electrical shock.
- ✓ Do not use the unit in a high humid area such as a bathroom or near a humidifier. They may cause fire, electrical shock, or system malfunction.
- ✓ Use the specified power adapter, which is attached to the unit. Other adapters may cause fire or system malfunction.
- ✓ Do not damage, or modify the power adapter cord. Do not kink, pull, twist, or bundle it. Do not put a heavy object or heat it. They may cause fire, electrical shock, or system malfunction. Contact the nearest NEC service office for a damaged adapter cord.
- ✓ Do not touch the power plug with a wet hand. It may cause electrical shock or system malfunction.
- ✓ Do not touch the units or replace a battery with a wet hand. It may cause electrical shock or system malfunction.
- ✓ When you hear thunder during using the phone system outside, immediately stop using it and move to a safe place.
- ✓ Do not use multiple plugs to a single outlet. It may cause fire or electrical shock.

- ✓ Follow the instruction below when you use a battery pack. They may cause heating, explosion, and fire;
  - Do not put the battery pack into a microwave oven or a pressure chamber.
  - Do not use other batteries with this battery pack.
- ✓ If the internal battery liquid clung to your skin or clothes, immediately rinse it with clean water to prevent chemical damage to your skin and clothes.
- ✓ Do not use the phone or recharge the battery in a place where fire or explosion may occur.
  - This phone system does not have explosion protection. Do not use it where a flammable gas such as propane and gasoline are stored. Turn off the power of the phone immediately. Do not recharge the battery in such a place.
- ✓ Do not use near microwave ovens, medical equipment and industrial equipment.

This page is for your notes.

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## FCC portion

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

### Caution:

Any changes or modifications not expressly approved by the party responsible for product compliance could void the user's authority to operate the equipment.

To comply with FCC RF exposure compliance requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter.

# Industry Canada Portion

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## Canada Regulatory Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## For Customers in Canada

This device complies with RSS 210 of Industry Canada (IC).  
Operation is subject to the following two conditions:

- this device may not cause interference, and
- this device must accept any interference, including interference that may cause undesired operation of this device.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes:

- il ne doit pas produire de brouillage et
- l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

## Exposure to radio frequency radiation

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).

## TABLE OF CONTENTS

---

### 1.INTRODUCTION

• WAT IS MH240? .....	1
• KEYS AND PARTS .....	2
• ICONS .....	3
• STANDBY MODE .....	4
• MAIN MENU .....	4

### 2.GETTING SRTARTED

• HOW TO INSERT THE BATTERY .....	5
• HOW TO REPLACE THE BATTERY .....	5
• HOW TO CHARGE THE BATTERY .....	6

### 3.BASIC OPARATION

• TO POWER ON THE PHONE (STANDBY MODE) .....	9
• TO POWER OFF THE PHONE .....	9
• TO ANSWER A CALL .....	10
• TO MAKE A CALL .....	10
• TO PLACE A CALL ON HOLD .....	10
• TO TRANSFER A CALL .....	10
• TO REDIAL (LAST NUMBER REDIAL) .....	11
• TO USE MUTE MODE .....	11
• TO USE HEADSET .....	12
• TO USE SOFT KEYS .....	12

### 4.FEATURES

• TO USE CONFERENCE (3-WAY CALL) .....	13
• TO USE SPEAKER MONITOR .....	13
• TO ADJUST CALL VOLUME .....	13
• TO USE COURTESY MODE .....	14
• TO USE HANDY KEYLOCK .....	14
• TO USE SHORTCUT ICON .....	14
• TO RECONNECT TO NETWORK .....	14

### 5.CALL HISTORY

• TO VIEW CALL HISTORY .....	15
• TO MAKE A CALL FROM CALL HISTORY .....	16
• TO ADD PHONE NUMBER TO DIRECTORY .....	16
• TO DELETE A CALL HISTORY .....	19

## TABLE OF CONTENTS

---

• TO DELETE ALL CALL HISTORIES .....	19
--------------------------------------	----

### 6.DIRECTRY

• TO VIEW DIRECTORY .....	21
• TO SEARCH DIRECTORY .....	21
• TO SETUP GROUP .....	24
• TO ADD A NEW ENTRY .....	25
• TO DELETE A RECORD .....	27
• TO DELETE ALL RECORDS .....	27
• TO MAKE A CALL FROM DIRECTORY .....	27
• TO EDIT AN ENTRY .....	28
• TO CONFIRM YOUR PHONE NUMBER .....	28

### 7.SPEED DIAL/PRESET DIAL

• TO USE SPEED DIAL .....	29
• TO ENABLE SPEED DIAL .....	29
• TO USE PRESET DIAL .....	30
• TO ENABLE PRESET DIAL .....	30
• TO ADD NEW ENTRY/EDIT .....	30

### 8.SETTING

• RING VOLUME .....	31
• RING TONE .....	31
• INCOMING POPUP .....	32
• ILLUMINATION .....	32
• PRIVATE CALL .....	33
• VIBRATOR .....	33
• INCOMING MODE .....	34
• HEADSET .....	34
• OFFHOKK RING .....	35
• RTP ALARM .....	36
• HOLD MUSIC .....	36
• CALL VOLUME .....	37
• HANDOVER TONE .....	37
• TALK START VIBRATOR .....	38
• LCD CONTRAST .....	38
• BACK LIGHT .....	39
• FONT SIZE .....	39
• LANGUAGE .....	40
• MY NAME .....	40

## TABLE OF CONTENTS

---

• DISPLAY PATTERN .....	41
• CHANGE PASSWORD .....	41
• KEY TOUCH TONE .....	42
• SPEAKER MONITOR .....	42
• DATE .....	43
• TIME .....	43
• TIME FORMAT .....	44
• DATLIGHT SAVING .....	44
• NTP SETTING .....	45
• NTP SERVER .....	45
• TIME ZONE .....	46
<b>9. INFORMATION</b>	
• TO DISPLAY STATUS .....	47
• TO DISPLAY WIRELESS STATUS .....	47
• TO DISPLAY SIP STATUS .....	48
<b>10. PASSWORD LOCK</b>	
• TO USE MANUAL LOCK .....	49
• TO UNLOCK YOUR PHONE .....	49
• TO ENBLE MANUAL LOCK .....	49
• TO USE OUTSIDE LOCK .....	50
• TO USE POWEROFF LOCK .....	50
<b>11. PREFIX DIAL</b>	
• TO USE PREFIX DIAL .....	51
• TO REGISTER PREFIX NO. ....	52
<b>12. FAVORITES</b>	
• TO USE FAVORITES .....	53
• TO ENTRY A MENU TO FAVORITES .....	53
• TO DELETE A MENU FROM FAVORITES .....	53
<b>13. MENU LIST</b>	
• MENU LIST .....	55
• CHARACTER CODE LIST .....	62
<b>14. TROUBLE SHOOTING</b>	
• MESSAGE MEANINGS AND SUGGESTIONS .....	63

---

## TABLE OF CONTENTS

---

• TROUBLES AND SUGGESTIONS .....	64
----------------------------------	----

### **15.SPECIFICATIONS**

• TECHNICAL SPECIFICATIONS .....	65
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### **16.LICENCE**

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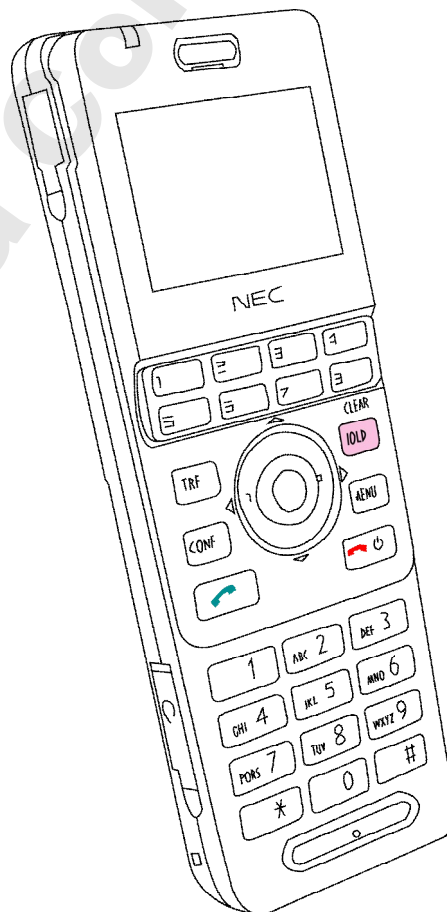
# 1. INTRODUCTION

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## • WAT IS MH240?

MH240 is a wireless VoIP phone that complies with IEEE 802.11b/g specifications. MH240 has the following features:

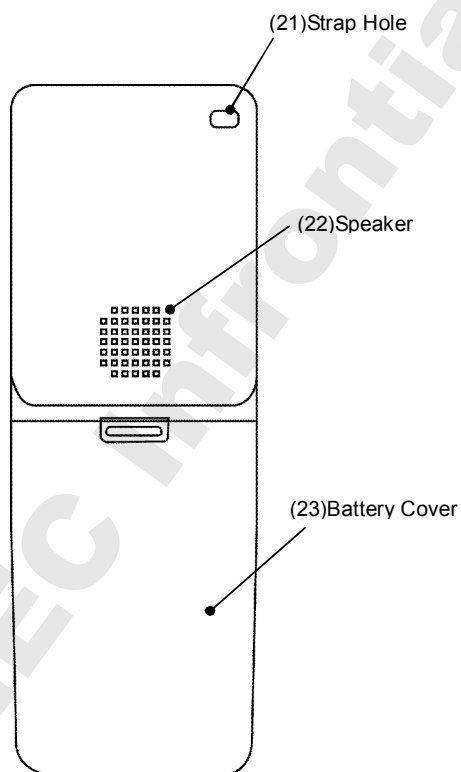
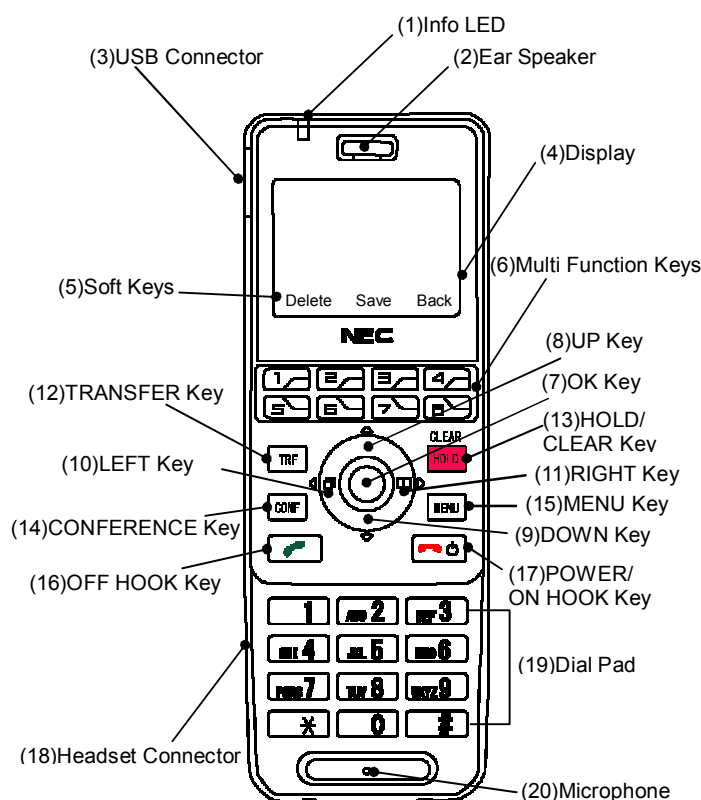
- PCS/PHS equivalent features are available by connecting with NEC PABX such as SV8100, SV8300 or UX5000, and WLAN system.
- MH240 dedicated features are also available such as Call History, Directory, Password Lock, Favorites, Speed Dial, Speaker monitor and Courtesy Mode.



MH240

## • KEYS AND PARTS

The phone has the following keys and parts.

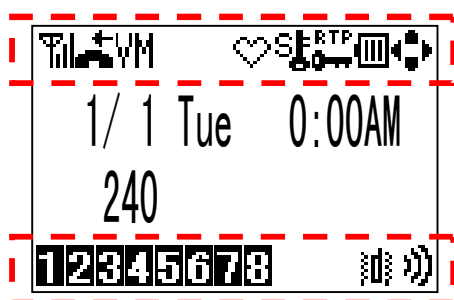


No.	PARTS	REMARK
(1)	Info LED	Display charging status and receiving a call
(2)	Ear Speaker	-
(3)	USB Connector	Charge the power via AC adapter
(4)	Display	Monochrome LCD, 120×90 pixels
(5)	Soft Keys	Display soft keys depend on the phone status
(6)	Multi Function Keys	Assign various function by System
(7)	OK Key	Select Middle soft key
(8)	UP Key	Select a value from the list and move the cursor in edit mode
(9)	DOWN Key	
(10)	LEFT Key	
(11)	RIGHT Key	Transfer the ongoing call or select Left soft key
(12)	TRANSFER Key	
(13)	HOLD/CLEAR Key	
(14)	CONFERENCE Key	Enter the conference mode (3-way call)
(15)	MENU Key	Display Menu screen
(16)	OFF HOOK Key	Terminate an active call,
(17)	POWER/ON HOOK Key	Terminate an active call, power on/off the phone or exit a menu without making changes
(18)	Headset Connector	Connect headset had JEITA RC-5240 plug or conversion cable
(19)	Dial Pad	Input dial number or characters
(20)	Microphone	-
(21)	Strap Hole	Attach hand strap
(22)	Speaker	Ring when receiving a call or listen to voice when speaker monitor
(23)	Battery Cover	-



## • ICONS

The phone has the following icons.



- Power icon ( ): indicates battery charge level.

Icon	Battery Charge Level
	<div style="text-align: center;"> <i>Full</i>    <i>Empty</i> </div>
	<i>Under charge</i>

- Antenna icon ( ): indicates the radio signal strength by your phone.

Icon	Radio Signal Strength
	<div style="text-align: center;"> <i>Strong</i>    <i>Weak</i> </div>
....	<i>Out of service area</i>

- Volume icon ( ): indicates the ring volume when Standby mode.

Icon	Ring Volume
	<i>Large</i>
	<i>Middle</i>
	<i>Small</i>
	<i>Graduate</i>
	<i>Off</i>

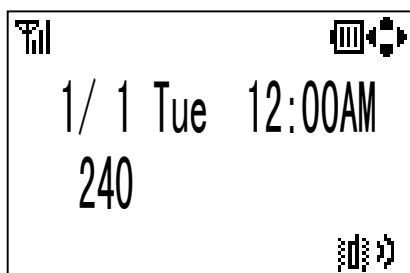
- Volume icon ( ): indicates call volume in taking.

Icon	Call Volume
	<i>Large</i>
	<i>Middle</i>
	<i>Small</i>


- Missed call icon ( ): indicates your missed call(s).
- VM icon ( ): indicates you have voice mail(s).
- Courtesy icon ( ): indicates your phone is to courtesy mode
- Lock icon ( ): indicates your phone is locked.
- RTP icon ( ): indicates your call is encrypted.
- Cursor icon ( ): indicates active direction keys (UP, DOWN, LEFT or RIGHT) depend on the phone status.
- Line icon ( ): indicates line key status.
- Vibrator icon ( ): indicates your phone is vibrator mode.

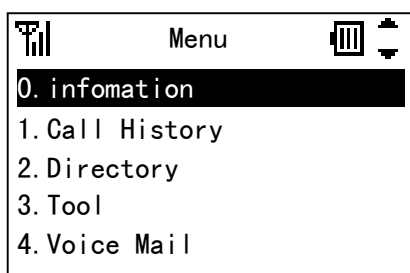
## • STANDBY MODE

Your phone starts up in this mode after being powered on. Your phone displays the first screen similar to the following.



## • MAIN MENU

Press  key when the phone is in Standby mode. The following main menu will be displayed.



### TIP

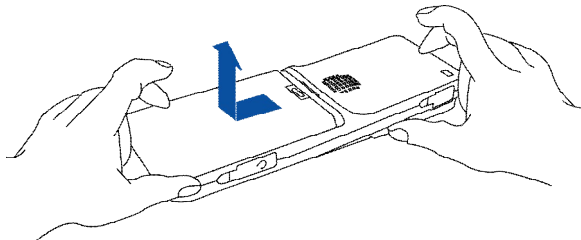
*The menu list attached in the end of this guide shows all available items with the default value. See "13.MENU LIST" for more information.*

## 2. GETTING STARTED

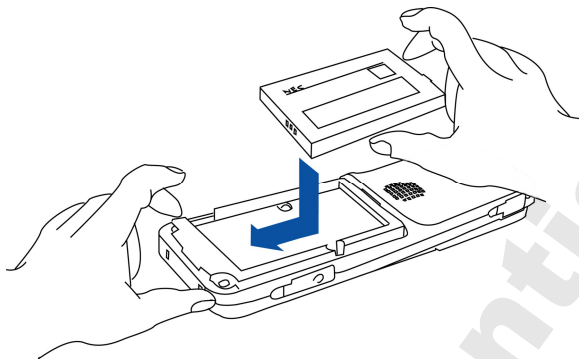
### • HOW TO INSERT THE BATTERY

Insert the battery into the unit as follows.

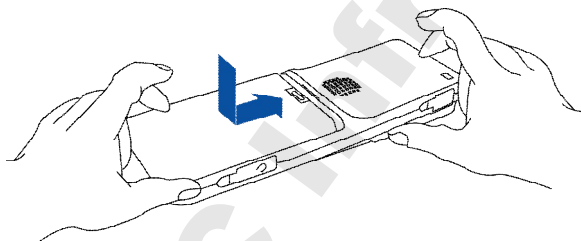
- (1) Remove the battery cover from the phone.



- (2) Place the battery into the unit so that the label may face toward you.




- (3) Attach the battery cover again.



### • HOW TO REPLACE THE BATTERY

Replace the battery of the phone as follows.

- (1) Power off the phone by pressing and holding  key for 2 seconds or more.
- (2) Remove the battery cover from the phone.
- (3) Remove the Battery.
- (4) Insert the new battery into the unit so that the label may face toward you.
- (5) Attach the battery cover again.

## • HOW TO CHARGE THE BATTERY

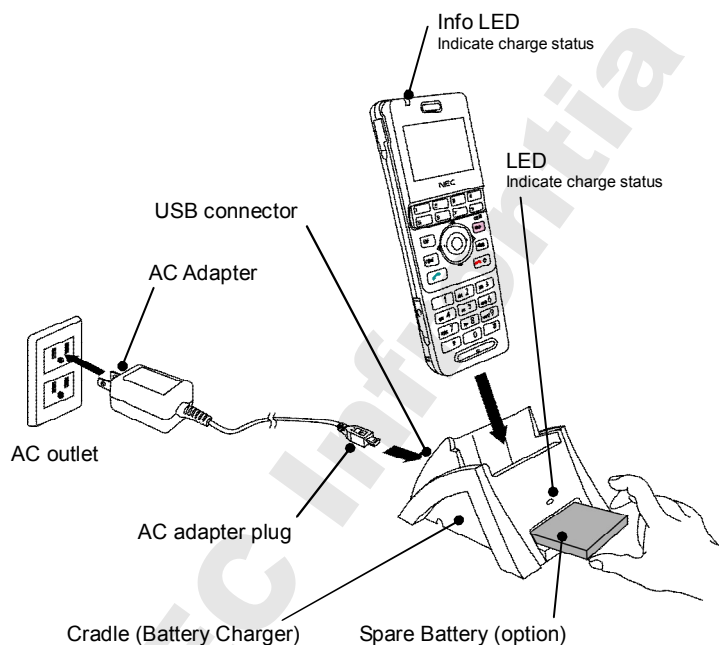
Be sure to charge the battery when using the phone for the first time. Use one of the following:

- Cradle
- AC Adapter (direct connection)

### By using the Cradle:

The phone can be charged by using the cradle. You can also charge the battery by inserting the battery pack alone to the slot on the cradle. This is useful when you have a spare battery.

- (1) Insert the AC adapter plug (miniUSB) into the USB connector in the back of the cradle.
- (2) Plug in the AC adapter to an appropriate AC outlet.
- (3) Place the phone and/or the spare battery pack as shown below. When placing a battery pack into the slot, insert it so that the label may face downward.



**Note:** Face the label of the battery pack downward when inserting the battery pack.

- (4) The LED on the cradle lights red, indicating the battery is being charged. In this case, the phone battery is not being charged and Info LED turns off.
- (5) The LED on the cradle lights green when the spare battery is fully charged. After this, charging to the phone battery will start and Info LED lights red.
- (6) Info LED lights green when the phone battery is fully charged.

**TIP** An empty battery pack can be fully charged in about 4 hours.

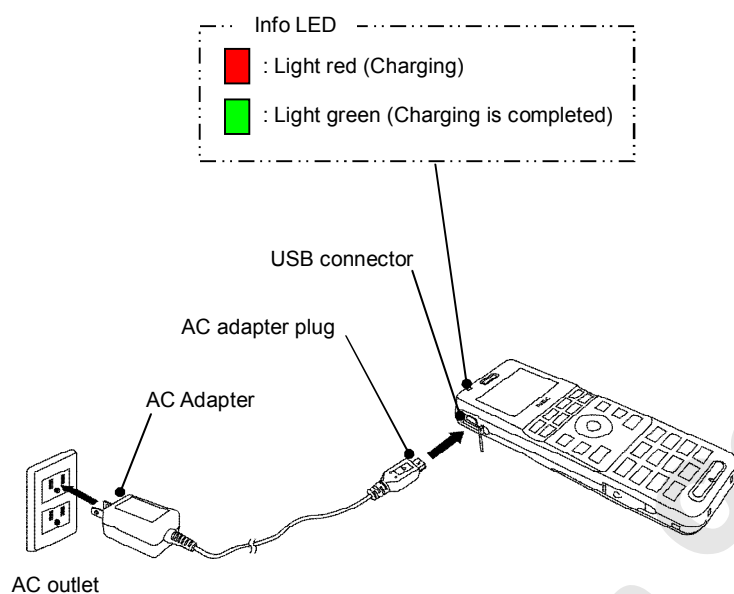
**TIP** If any abnormality is found to the battery, the LED on the cradle starts flashing. In this case, please contact your network administrator.

**TIP** In case that you place the phone on the cradle and insert the spare battery into the slot at the same time, the spare battery will be charged first.

### By using the AC Adapter:

To charge the phone using the AC adapter do as follows.

- (1) Insert the AC adapter to an appropriate AC outlet.
- (2) Insert the AC adapter plug (miniUSB) to USB connector of the phone.




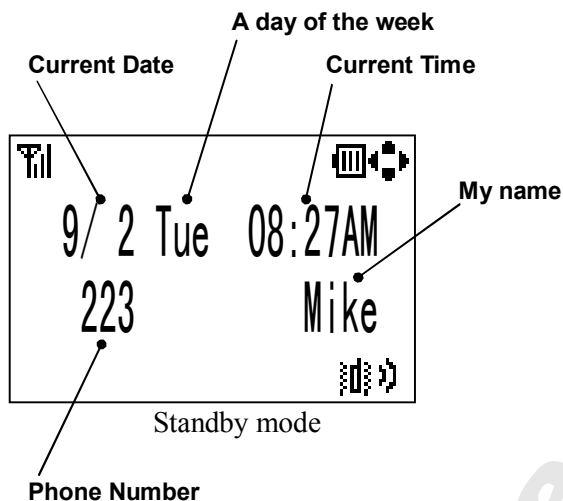
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# 3. BASIC OPERATION

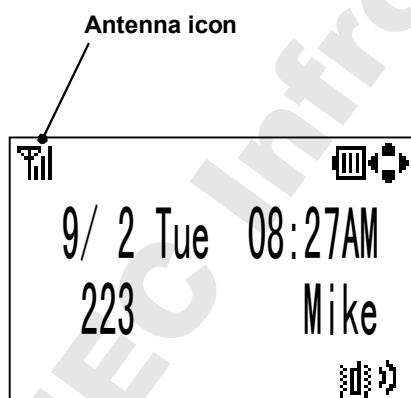
## • TO POWER ON THE PHONE (STANDBY MODE)

- Press and hold  key for 2 seconds or more. The start screen appears and Info LED flashes orange. After that your phone displays the following initial screen.



**TIP** *This initial screen is called Standby mode in this manual.*

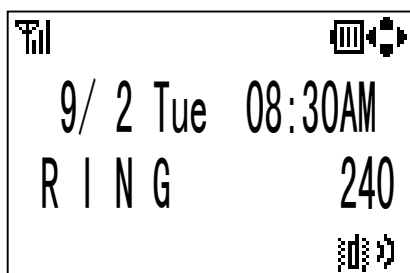
- Make sure Antenna icon () is displayed on your phone as follow.





**TIP** *Antenna icon indicates you can use the phone. If Antenna icon indicates out of service area ( ... ), please contact your network administrator.*

## • TO ANSWER A CALL

When receiving an incoming call, the display automatically changes to Incoming Call screen.





- To answer the call, press  key
- To stop the ring without answering the call, press  key

**TIP** When the calling party has been already registered in the Directory, the registered Name is displayed.

## • TO MAKE A CALL


To make a phone call, do either of the following:

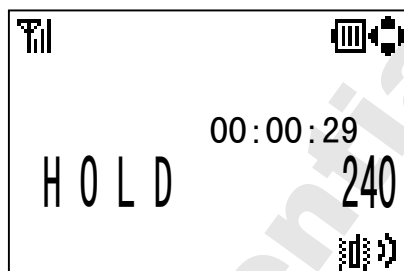
- Enter the phone number and then press  key. (Preset Dialing)
- Press  key and then enter the phone number. (Overlap Dialing)

**TIP** By pressing CLEAR key, you can delete the last digit of the dialed number that is currently displayed on the phone when Preset Dialing is used.

## • TO PLACE A CALL ON HOLD

During an active call, you can hold the call.

- Press  key to hold the line. Your phone displays.




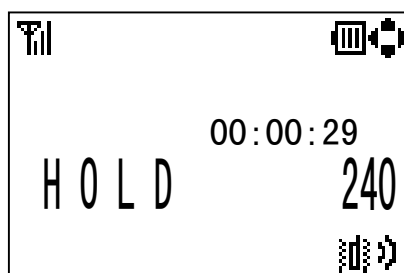
- Press  key again to retrieve the line.





**TIP** During hold, Info LED blinks orange.

## • TO TRANSFER A CALL

During an active call, you can transfer the call to other phone.

- Press  key during the call. Your phone displays.




- After hearing Special Dial Tone, enter the phone number to transfer the call.
- The called party answers the call, and then press  key or  key. (Attended Transfer)  
or
- Press  key or  key before the called party answers. (Unattended Transfer)




## • TO REDIAL (LAST NUMBER REDIAL)


You can make a call from the Call History of Outgoing calls. A maximum of the 50 calls can be automatically recorded.

- Press  key in Standby mode. The headset displays Call History of Outgoing calls similar to the following.



Outgoing			
9/ 2	8:30	240	
9/ 1	22:11	Eric	
9/ 1	14:56	John	
8/31	9:42	Pat	
Delete	Save	Back	

- Press  key to select a desired party you want to redial.

Outgoing			
9/ 2	8:30	240	
9/ 1	22:11	Eric	
9/ 1	14:56	John	
8/31	9:42	Pat	
Delete	Save	Back	


- Press  key. your phone displays the phone number list as follow if the selected party has been already registered in the Directory.





Number			
1.	14581234567		
2.	12621234567		
3.	200		
Prefix	Call	Back	

- Press  key or “Call” soft key to redial the party after you select a phone number by pressing  key.

## • TO USE MUTE MODE

During an active call, you can use Mute mode. When enter Mute mode, your voice do not reach to a called party.



- Press  key to enter Mute mode. Your phone displays.

					
[ M U T E ]					
00:00:50					
TALKING			240		
					

- Press  key again to exit Mute mode.

## • TO USE HEADSET

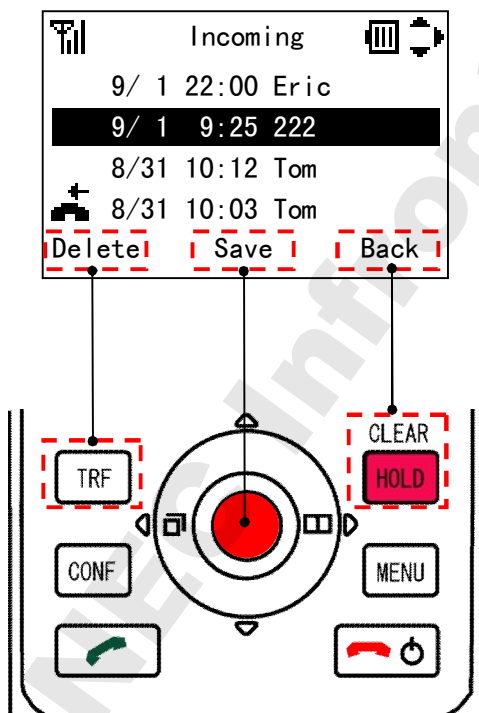
When a headset is inserted to the Headset connector, the phone is in headset call mode.

- Connect a headset to the phone.
- When the phone receives a call, you can hear ringing from the headset or speaker (configurable). If a vibrator is set to enable, it is also available.
- Press  key to answer the call.
- You can talk using the microphone and ear phone of the headset.
- Press  key to end the call.

**TIP** *This phone has a JEAITA RC-5240 jack as a headset connector. If your headset has  $\varnothing 2.5$  plug, you can connect the headset to the phone by using a conversion cable.*

## • TO USE SOFT KEYS

You will often use soft keys when you operate this phone. You can use soft keys as follow.



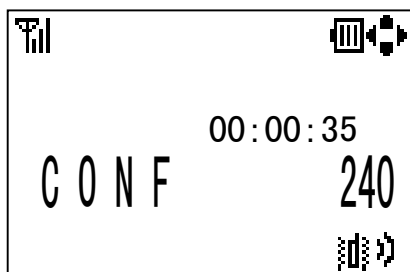
# 4. FEATURES

This section explains how to use features on your phone.

## • TO USE CONFERENCE (3-WAY CALL)

You can establish a Conference call (3-way call).

- During an active call, press **HOLD** key to hold the line.
- After hearing Special Dial Tone, enter the phone number that you want to have a party join the call.
- The called party answers the call, and then press **CONF** key. Your phone displays.



## • TO USE SPEAKER MONITOR

During an active call, you can use Speaker monitor. When enter Speaker monitor mode, you can hear called party's voice from a Speaker of your phone.

- Press and hold **[Speaker Icon]** key for 2 seconds or more to enter Speaker monitor mode.
- Press and hold **[Speaker Icon]** key again for 2 seconds or more to exit Speaker monitor mode.

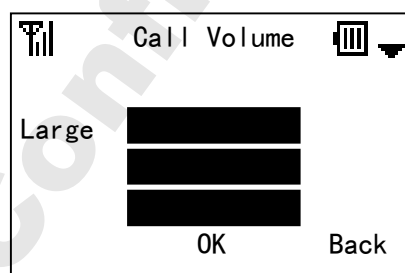
**Note:** To use Speaker monitor, you need to enable this feature. See "8.SETTINGS" for more information.

## • TO ADJUST CALL VOLUME

You can increase or decrease the receiver volume in Standby mode or during a call. The volume can be set in 3 steps (From Level 1 [Small] to Level 3 [Large]). The factory default value is Level 2 [Middle].

### During a call:

Press **[Volume Up/Down]** key to select an appropriate volume and then press "OK" soft key or wait timeout while talking with your phone.

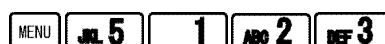


### In Standby mode:

- Press **[MENU]** key in Standby mode. Your phone displays the main menu.
- Press **[Left Arrow]** key to select "5.Setting" and then press **[Enter]** key.
- Press **[Up Arrow]** key to select "1.Usersetting" and then press **[Enter]** key.
- Press **[Up Arrow]** key to select "2.Talk" and then press **[Enter]** key.
- Press **[Left Arrow]** key to select "3.Call Volume" and then press **[Enter]** key.
- Press **[Volume Up/Down]** key to select an appropriate volume and then press "OK" soft key.



**TIP** You can reach Call Volume menu by pressing following keys.

Go to Call Volume menu:



## • TO USE COURTESY MODE



You can set your phone in Courtesy Mode. When your phone is placed in this mode, your phone displays Courtesy icon (♥).

- Press and hold  key for 1 second or more to enter Courtesy Mode.
- Press and hold  key again for 1 second or more to exit Courtesy Mode.

**TIP** *When your phone enters Courtesy Mode, a vibrator works instead of speaker ringing.*

## • TO USE HANDY KEYLOCK


You can set your phone in Handy KeyLock Mode. When your phone is placed in this mode, you can not operate any key and your phone displays “Handy KeyLock”.

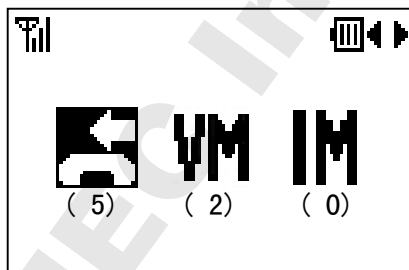
- Press and hold  key for 2 seconds or more to enter Handy KeyLock Mode.
- Press and hold  key again for 2 seconds or more to exit Handy KeyLock Mode.



**TIP** *Even if your phone enters Handy KeyLock Mode, you can answer an incoming call.*

## • TO USE SHORTCUT ICON

You can use shortcut icon when you have missed calls and voice mails.

- Press  key to display shortcut icon.



- Press  key to select an icon and then press  key.


## • TO RECONNECT TO NETWORK

You can reconnect to your network.

- Press and hold  key for 3 second or more to reconnect.

# 5. CALL HISTORY



Your phone can record recent Call History in the following 3 lists up to 50 records for each list. You can open each list from the main menu or by pressing the associated key in Standby mode.

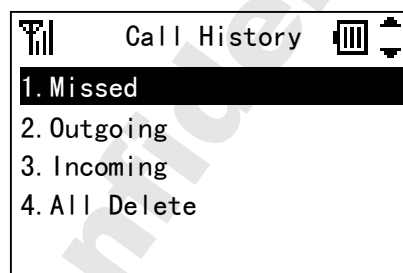
- Outgoing Calls (Press **Q** key)
- Incoming Calls (Press **Q** key twice)
- Missed Calls (Press  key twice)



Outgoing Calls show a list of Dialed Numbers and Incoming Calls show that of Received Calls. You can make a call from the list and also add a Call History to Directory as required.

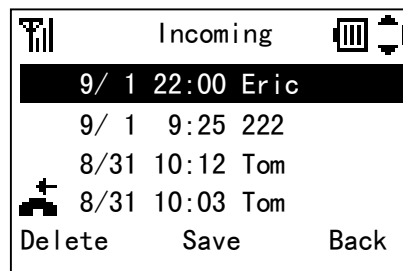
**TIP** *Once you see a list of Missed Calls and close the screen, the records are cleared automatically. You can find those records from the list of Incoming Calls.*

## • TO VIEW CALL HISTORY

- Press **MENU** key in Standby mode. Your phone displays the main menu.
- Press  key to select “1.Call History” and then press  key. Your phone displays as follow.



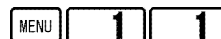
- Press  key to select a history you want to view on the list and then press  key.
- Your phone displays as follow when you select “3.Incoming”.



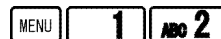
**TIP** *You can find missed call easily from the list of Incoming Calls by missed call icon (  ).*

**TIP** *You can reach each Call History by pressing following keys.*

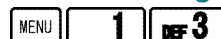
**View Missed Calls:**









**View Outgoing Calls:**

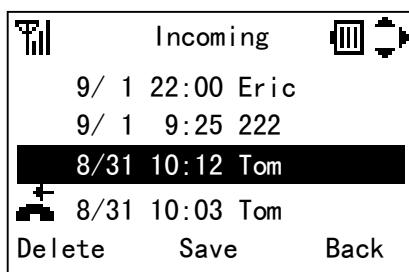



**View Incoming Calls:**

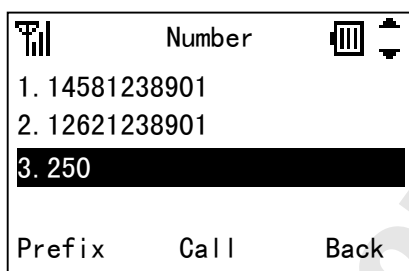




## • TO MAKE A CALL FROM CALL HISTORY

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “1.Call History” and then press  key.
- Press  key to select a history you want to view on the list and then press  key.
- Press  key to select a desired party you want to make a call.









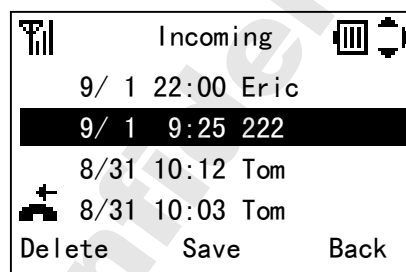
- Press  key. Your phone displays the phone number list as follow if the selected party has been already registered in the Directory.



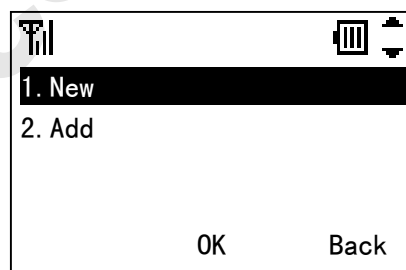
- Press  key or “Call” soft key to make the call after you select a phone number by pressing  key.

## • TO ADD PHONE NUMBER TO DIRECTORY


- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “1.Call History” and then press  key.
- Press  key to select a history you want to view on the list and then press  key.
- Press  key to select a phone number you want to add to Directory.

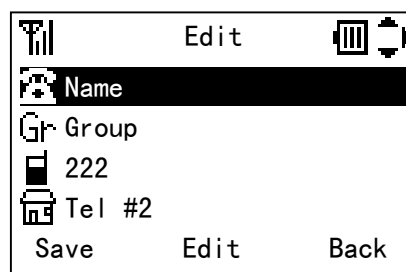



- Press “Save” soft key.

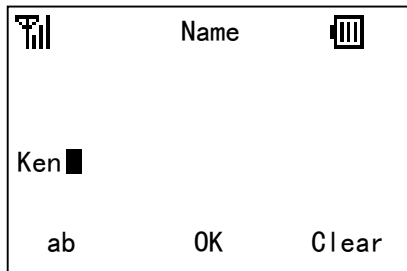


### In case of New:

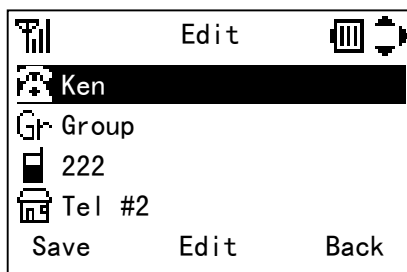
- Press  key to select “1.New” and then press “OK” soft key.





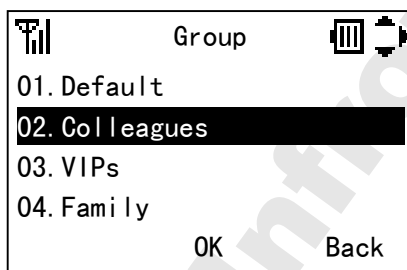
- Press  key to select an item you want to edit and then press “Edit” soft key as required. In this example, Name and Group will be edited.
- Edit the data in edit display.



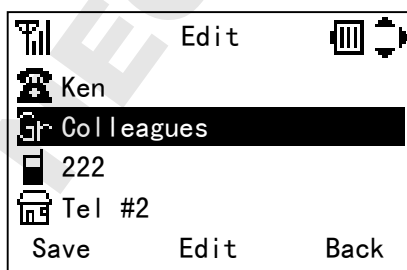
- Press “OK” soft key and then the display returns to the previous one.



- Press  key to select “Group” and then press “Edit” soft key.
- Press  key to select an appropriate group.





- Press “OK” soft key and then the display returns to the previous one.

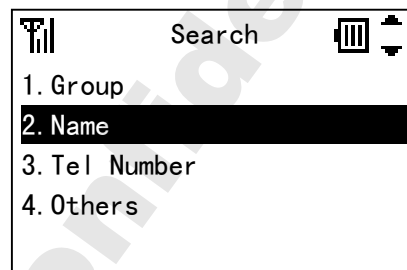



- Press “Save” soft key to save the data to Directory. The display returns to the previous one.

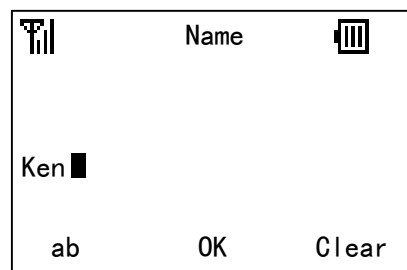
**TIP** *Name information is minimum requirement to save the data.*

#### In case of Add:

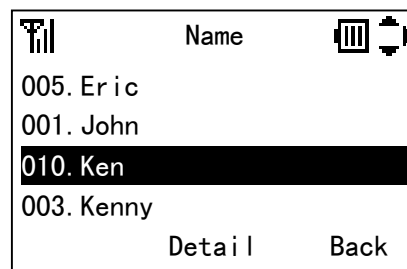
- Press  key to select “2.Add” and then press “OK” soft key.
- Press  key to select a search way you want. (In this case, to search by Name.)




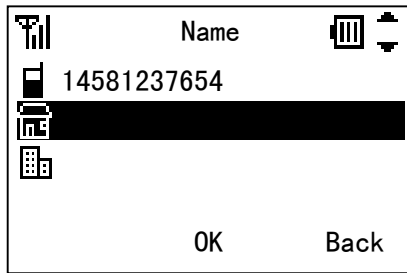
- Press  key and then input name you want to search.



- Press “OK” soft key to search.

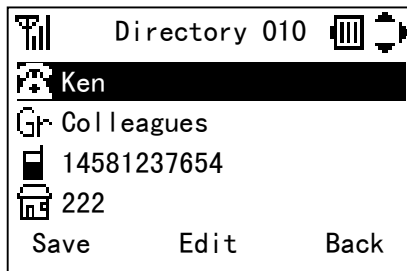


- Press “Detail” soft key and then press  key to select a phone number input area you want to add.



**TIP** *If you select a phone number area registered a phone number already, the area is overwritten by new phone number.*

- Press “OK” soft key. Your phone displays.

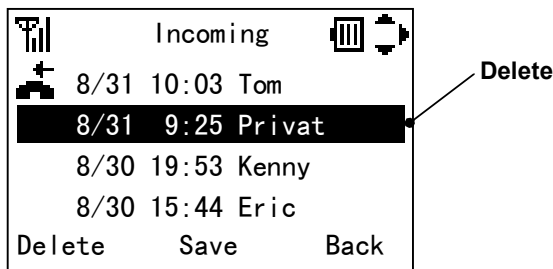


- Press “Save” soft key to save the added data to Directory. The display returns to the previous one.

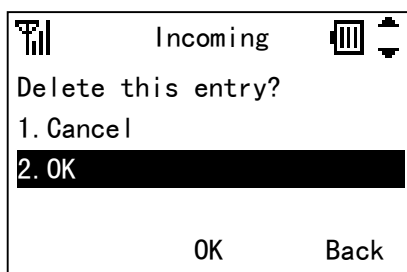


## • TO DELETE A CALL HISTORY

- Press **MENU** key in Standby mode. Your phone displays the main menu.
- Press **↓** key to select “1.Call History” and then press **OK** key.
- Press **↓** key to select a history you want to view on the list and then press **OK** key.
- Press **↓** key to select a phone number you want to delete and then press “Delete” soft key.



- Press **↓** key to select “2.OK” and then press “OK” soft key.

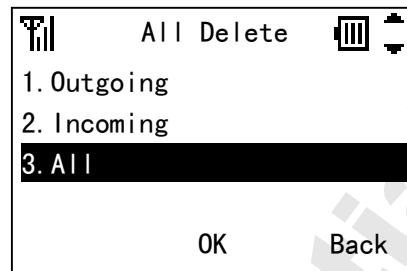


**TIP** You can press **ABC 2** key to delete instead of above operation.

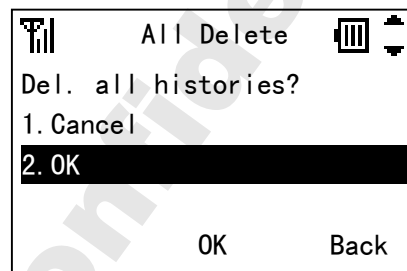
## • TO DELETE ALL CALL HISTORIES

- Press **MENU** key in Standby mode. Your phone displays the main menu.
- Press **↓** key to select “1.Call History” and then press **OK** key.
- Press **↓** key to select “4.All Delete” and then press **OK** key.

- Press **↓** key to select a history you want to delete and then press “OK” soft key.



- Press **↓** key to select “2.OK” and then press “OK” soft key.



**TIP** If you delete all Incoming Call histories, Missed Call histories also are deleted.

**TIP** You can delete all call histories by pressing following keys.

**Delete Outgoing Call Histories:**

**MENU** **1** **OK 4** **1** **ABC 2**

**Delete Incoming Call Histories:**

**MENU** **1** **OK 4** **ABC 2** **ABC 2**

**Delete All Call Histories:**

**MENU** **1** **OK 4** **DEF 3** **ABC 2**

This page is for your notes.

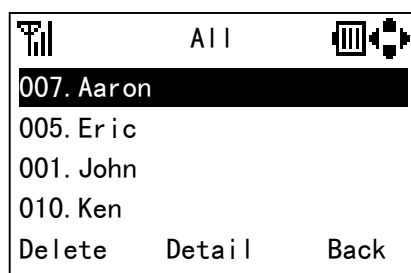
NEC Infrontia Confidential

# 6. DIRECTORY

Directory can register up to 500 records. You can view, edit or delete the 500 entries.

## • TO VIEW DIRECTORY

- Press **D** key in Standby mode.
- Your phone displays as follow.



**TIP** By pressing **◀** or **▶** key while displaying Directory, you can scroll a list as follow.

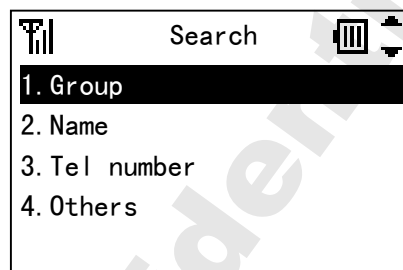
All <> ABC <> DEF <> GHI <> JKL  
<> MNO <> PQRS <> TUV <>  
WXYZ <> Other <>

**TIP** By pressing **ABC 2** to **\*** key and holding for about 1 second in Standby mode, you can use Alphabet Search.

## • TO SEARCH DIRECTORY

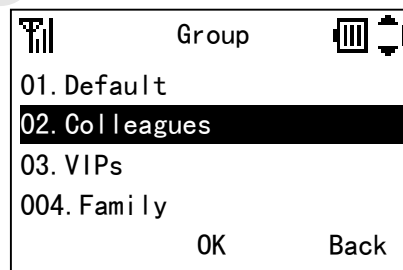
- Press **MENU** key in Standby mode. Your phone displays the main menu.
- Press **◀** key to select “2.Directory” and then press **OK** key.
- Press **◀** key to select “1.Search” and then press **OK** key.

- Press **◀** key to select “1.Personal” and then press **OK** key. Your phone displays Search menu.

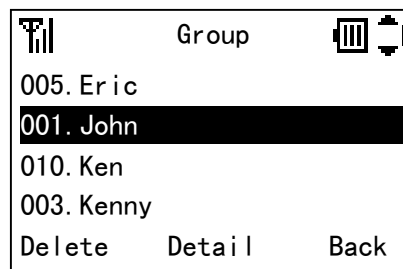


### To Search by Group:



- Press **◀** key to select “1.Group” and then press **OK** key.
- Press **◀** key to select a Group you want to search and then press “OK” soft key.

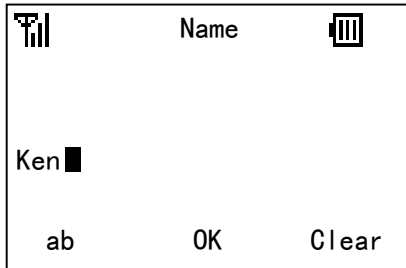


- Your phone displays searched records.

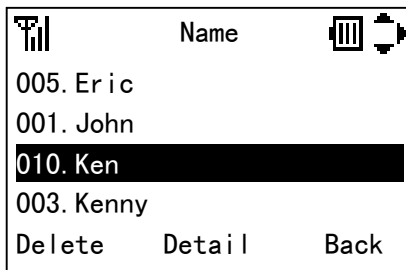


### To Search by Name:



- Press  key to select “2.Name” and then press  key.
- Enter a name or letter you want to search and then press “OK” soft key.

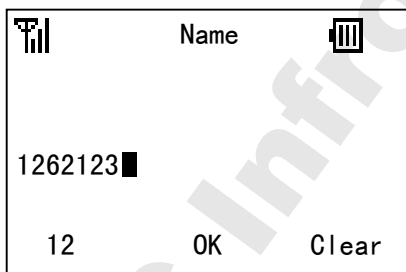


- Your phone displays searched records.

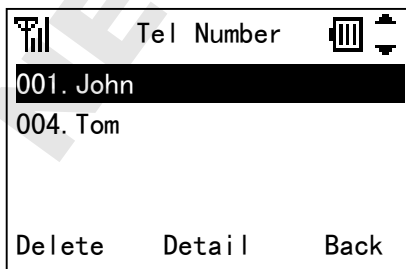


### To Search by Tel number:





- Press  key to select “3.Tel number” and then press  key.
- Enter a phone number you want to search and then press “OK” soft key.

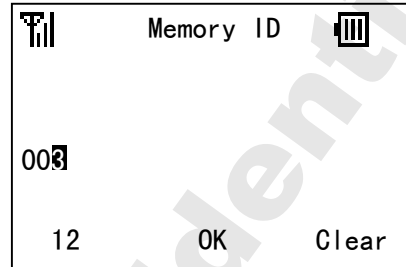


- Your phone displays searched records.

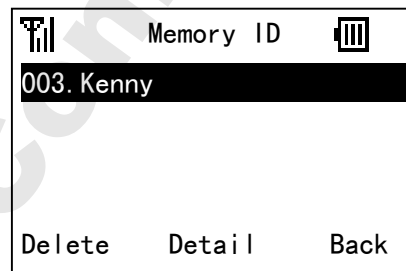


### To Search by Memory ID:






- Press  key to select “4.Others” and then press  key.
- Press  key to select “1.Memory ID” and then press  key.
- Enter a Memory ID (3 digits) you want to search and then press “OK” soft key.

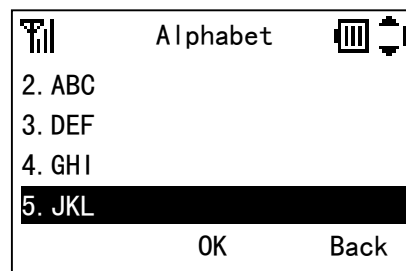


- Your phone displays searched records.

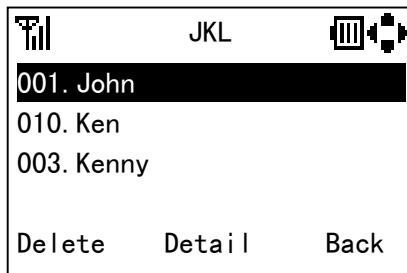


### To Search by Alphabet:

- Press  key to select “4.Others” and then press  key.
- Press  key to select “2.Alphabet” and then press  key.
- Press  key to select an Alphabet you want to search and then press “OK” soft key.

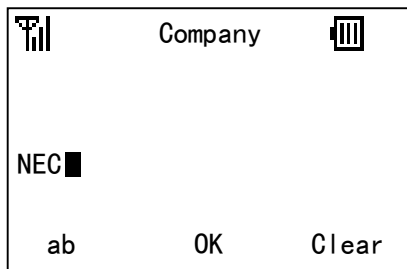


- Your phone displays searched records.

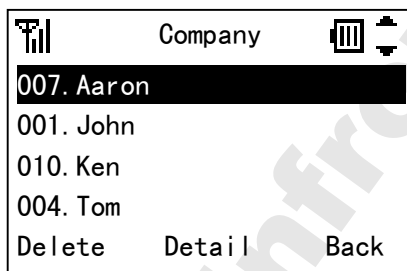


### To Search by Company:

- Press key to select “4.Others” and then press key.
- Press key to select “3.Company” and then press key.
- Enter a Company name you want to search and then press “OK” soft key.



- Your phone displays searched records.



**TIP** You can reach each Search menu by pressing following keys.

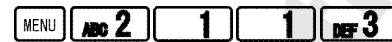
**Go to Group Search menu:**



**Go to Name Search menu:**



**Go to Tel Number Search menu:**



**Go to Memory ID Search menu:**








**Go to Alphabet Search menu:**

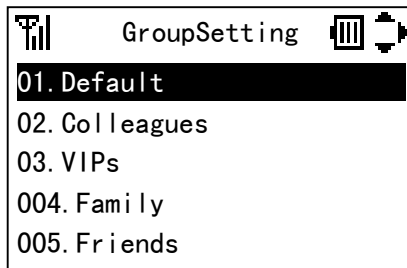


**Go to Company Search menu:**



## • TO SETUP GROUP



- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “2.Directory” and then press  key.
- Press  key to select “3.Group Setting” and then press  key. Your phone displays Group Setting menu.

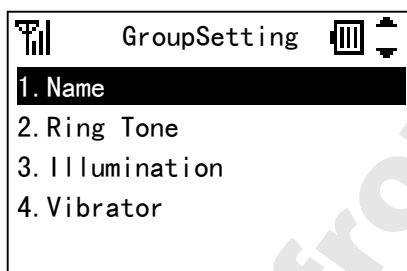


**TIP** You can reach Group Setting menu by pressing following keys.



Go to Group Setting menu:

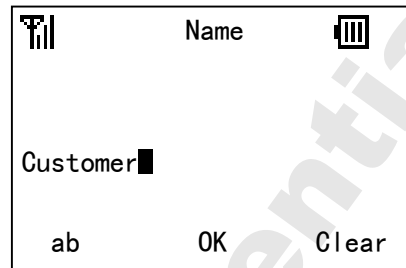


- Press  key to select a Group you want to setup and then press  key.






## To Edit Group Name:

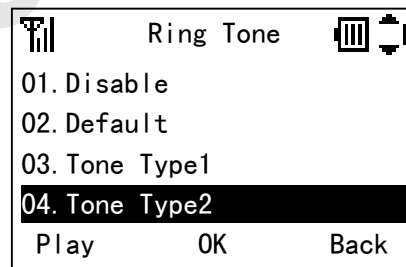
- Press  key to select “1.Name” and then press  key.
- Enter a Group Name you want and then press “OK” soft key.



- The display returns to the previous one.

## To Setup Group Ring Tone:




- Press  key to select “2.Ring Tone” and then press  key.
- Press  key to select a Group Ring Tone you want and then press “OK” soft key.

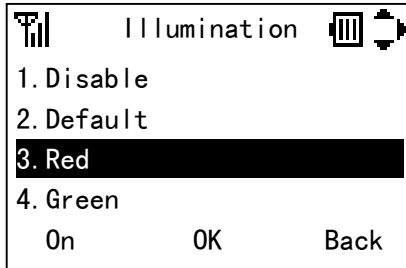


- The display returns to the previous one.

**TIP** By pressing “Play” and “Stop” soft key, you can hear the Ring Tone while you select a Group Ring Tone.

### To Setup Group Illumination:




- Press  key to select “2.Ring Tone” and then press  key.
- Press  key to select a Group Illumination you want and then press “OK” soft key.

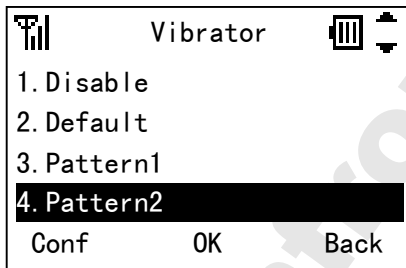


- The display returns to the previous one.

**TIP** By pressing “On” and “Stop” soft key, you can view the Illumination while you select a Group Illumination.

### To Setup Group Vibrator:






- Press  key to select “4.Vibrator” and then press  key.
- Press  key to select a Group Vibrator you want and then press “OK” soft key.

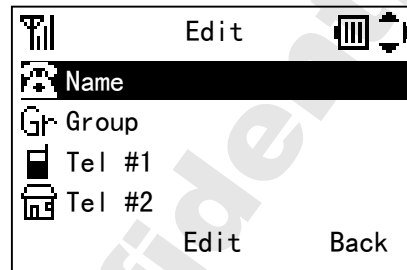



- The display returns to the previous one.

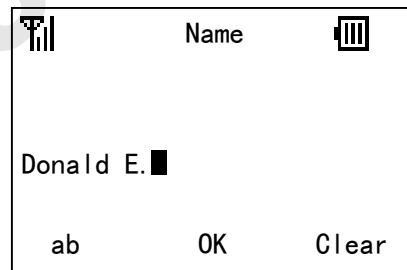
**TIP** By pressing “Conf” and “Stop” soft key, you can confirm the Vibrator pattern while you select a Group Vibrator.

### • TO ADD A NEW ENTRY

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “2.Directory” and then press  key.
- Press  key to select “2.Edit” and then press  key. Your phone displays Edit menu.

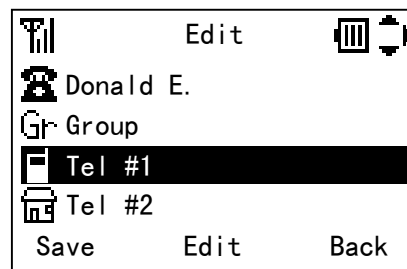



- Press  key to select an Item you want to edit and then press “Edit” soft key.
- Edit the selected item. In the following example, Name data is edited.

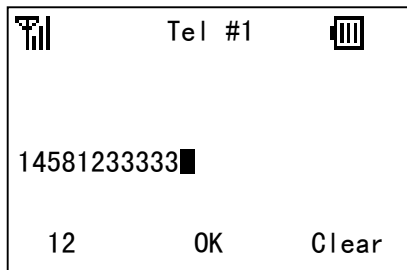


**TIP** Name information is minimum requirement to save the data.

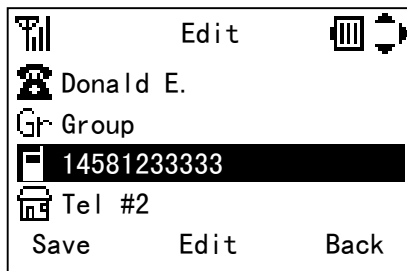
- Press “OK” soft key to write the data. The display returns to the previous screen.



- Press  key to select an Item you want to edit and then press “Edit” soft key.
- Edit the selected item. In the following example, Tel #1 data is edited.



- Press “OK” soft key to write the data. The display returns to the previous screen.
- Repeat these steps as required for the new entry.



- When edit is completed, press “Save” soft key.

**TIP** You can reach Directory Edit menu by pressing following keys.

Go to Directory Edit menu:

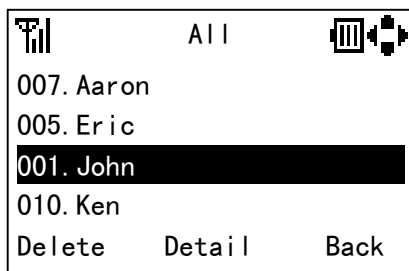




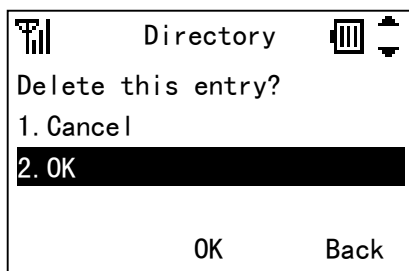
## • TO DELETE A RECORD

You can delete a record from the Directory.

- Press **D** key in Standby mode.
- Your phone displays as follow.



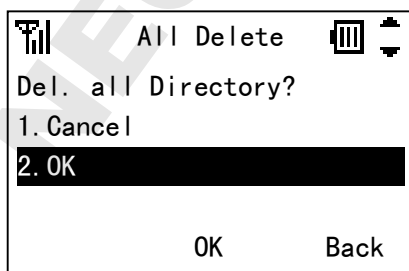
- Press **↓** key to select a record you want to delete and then press “Delete” soft key.
- Press **↓** key to select “OK” soft key.



**TIP** You can press **ABC 2** key to delete instead of above operation.

## • TO DELETE ALL RECORDS

- Press **MENU** key in Standby mode. Your phone displays the main menu.
- Press **↓** key to select “2.Directory” and then press **OK** key.
- Press **↓** key to select “5.All Delete” and then press **OK** key.
- Press **↓** key to select “2.OK” and then press “OK” soft key.



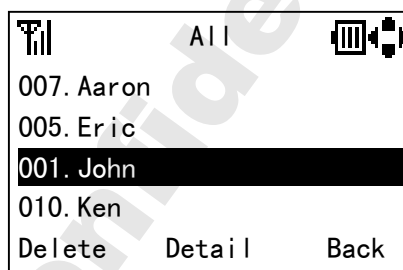
**TIP** You can delete all records in the Directory by pressing following keys.

Delete All Directory:

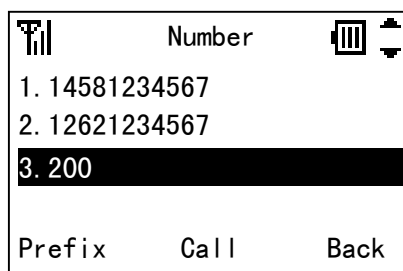


## • TO MAKE A CALL FROM DIRECTORY

- Press **D** key in Standby mode.
- Your phone displays as follow.



- Press **↓** key to select a party you want to make a call and then press **Call** key. Your phone displays the phone number list as follow.

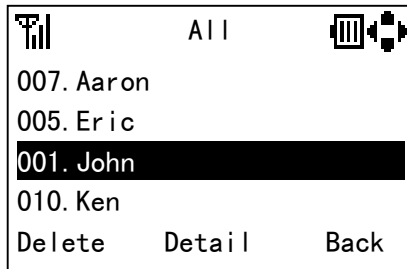


- Press **Call** key or “Call” soft key to make the call after you select a phone number by pressing **↓** key.

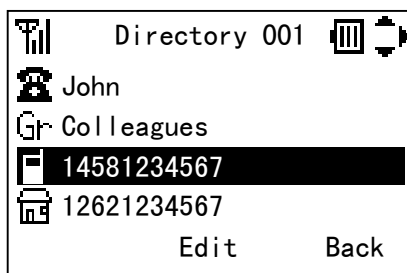
## • TO EDIT AN ENTRY

You can edit a registered Directory.

- Press **D** key in Standby mode.
- Your phone displays as follow.



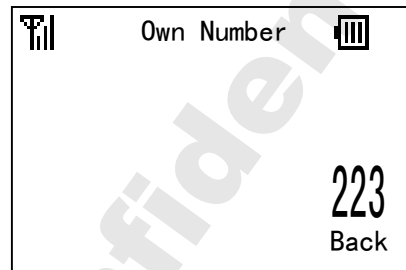
- Press **↓** key to select a record you want to edit and then press “Detail” soft key.



- Press **↓** key to select an item you want to edit and then press “Edit” soft key.
- When all edit is completed, press “Save” soft key.

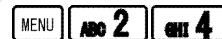
## • TO CONFIRM YOUR PHONE NUMBER

- Press **MENU** key in Standby mode. Your phone displays the main menu.
- Press **↓** key to select “2.Directory” and then press **OK** key.
- Press **↓** key to select “4.Own Number” and then press **OK** key. Your phone displays.



**TIP** You can confirm your phone number by pressing following keys.

**Confirm Your Phone Number:**

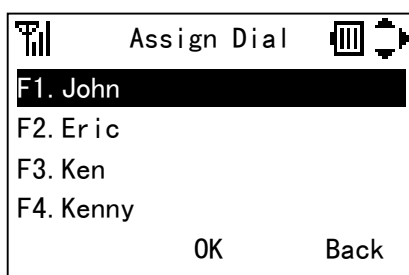



# 7. SPEED DIAL/PRESET DIAL

You can use Speed Dial assigned multi function keys (up to 8 entries) and Preset Dial assigned dial keys (up to 10 entries).

## • TO USE SPEED DIAL

- In Standby mode, press a function key (F1 to F8) to select one Speed Dial entry that has already registered in your phone. For example, press F3 key to make a call to “F3.Ken” that is listed as F3 entry.



- Press  key to select “2.Speed Dial” and then press “OK” soft key.










**TIP** You can enable Function Key as Speed Dial by pressing following keys.

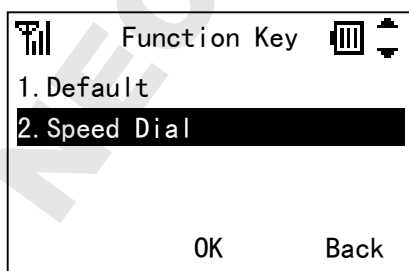
**Enable Speed Dial:**



**TIP** When you enable Function Key as Speed Dial, Function Keys do not work as system function key.

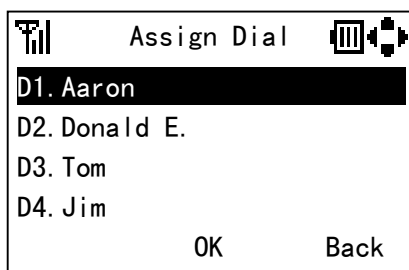
## • TO ENABLE SPEED DIAL

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “6.Keypad Mode” and then press  key.
- Press  key to select “2.Finction Key” and then press  key. Your phone displays Function Key menu.



## • TO USE PRESET DIAL

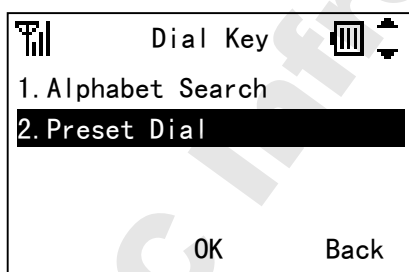
- In Standby mode, press a dial pad ( to ) to select one Preset Dial entry that has already registered in your phone. For example, press and hold for about 1 second to make a call to “D3.Tom” that is listed as D3 entry.



- Press key to make the call.

## • TO ENABLE PRESET DIAL

- Press key in Standby mode. Your phone displays the main menu.
- Press key to select “5.Setting” and then press key.
- Press key to select “1.User Setting” and then press key.
- Press key to select “6.Keypad Mode” and then press key.
- Press key to select “3.Dial Key” and then press key. Your phone displays Dial Key menu.



- Press key to select “2.Preset Dial” and then press “OK” soft key.

**TIP** You can enable Dial Key as Preset Dial by pressing following keys.

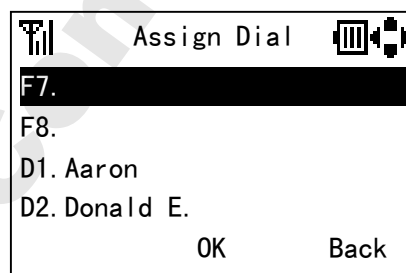
**Enable Preset Dial:**



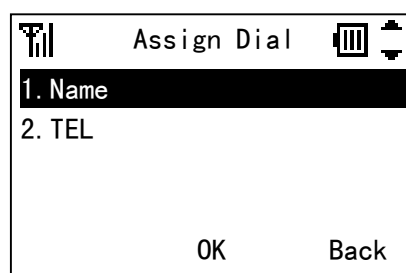
**TIP** When you enable Dial Key as Preset Dial, Dial Keys do not work as Alphabet Search function key.

## • TO ADD NEW ENTRY/EDIT

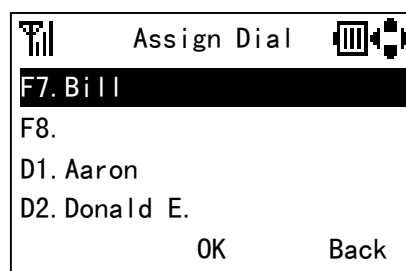
- Press key in Standby mode. Your phone displays the main menu.
- Press key to select “5.Setting” and then press key.
- Press key to select “1.User Setting” and then press key.
- Press key to select “6.Keypad Mode” and then press key.
- Press key to select “4.Assign Dial” and then press key. Your phone displays Assign Dial menu.



- Press key to select a key you want to add/edit and then “OK” soft key.



- Press key to select an item you want to edit and then press “OK” soft key.
- When all edit is completed, press “Back” soft key.













# 8. SETTING

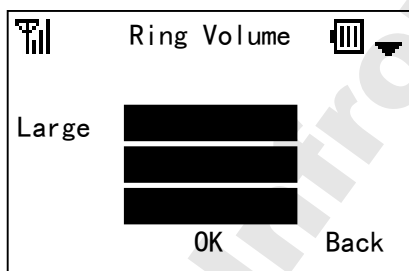
Various settings such as *Incoming Call, Talk, Display, Password, Password Lock, Keypad Mode and Date & Time* can be modified as required on your phone.

## • RING VOLUME

### Factory Default: Middle

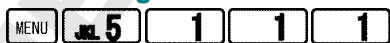
You can adjust ring tone volume.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “1.Incoming Call” and then press  key.
- Press  key to select “1.Ring Volume” and then press  key.
- Ring Volume can be set in 5 levels (Off, Graduate, Small, Middle and Large).
- Press  key to select an appropriate volume and then press “OK” soft key.



**TIP** You can reach Ring Volume menu by pressing following keys.












Go to Ring Volume menu:

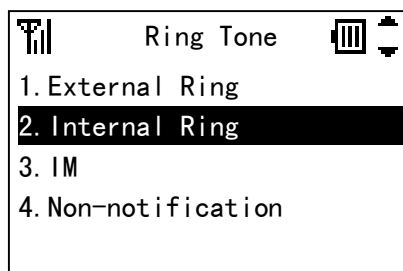



## • RING TONE

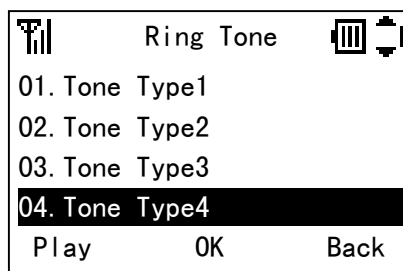
### Factory Default: Tone Type1 (All kind)

You can select ring tone on a call kind basis (External Ring, Internal Ring, IM and Non-notification).

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “1.Incoming Call” and then press  key.
- Press  key to select “2.Ring Tone” and then press  key.
- Press  key to select a call kind you want to change a ring tone and then press  key.



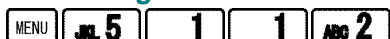
- Press  key to select a ring tone you want and then press “OK” key.



**TIP** By pressing “Play” and “Stop” soft key, you can hear the Ring Tone while you select a Ring Tone.

**TIP** You can reach Ring Tone menu by pressing following keys.

Go to Ring Tone menu:

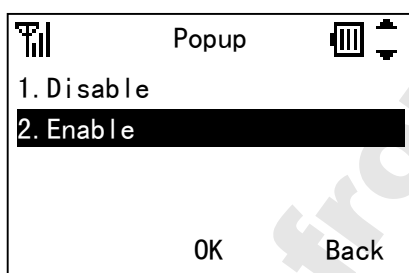


## • INCOMING POPUP

**Factory Default: Disable**

Your phone can display a popup window while ringing.

- Press key in Standby mode. Your phone displays the main menu.
- Press key to select “5.Setting” and then press key.
- Press key to select “1.User Setting” and then press key.
- Press key to select “1.Incoming Call” and then press key.
- Press key to select “3.Incoming Popup” and then press key.
- Press key to select “1.Popup mode” and then press key.
- Press key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** When a caller is not registered in your Directory, your phone does not display a popup window even if this feature is enabled.

**TIP** You can reach Incoming Popup menu by pressing following keys.

Go to Incoming Popup menu:

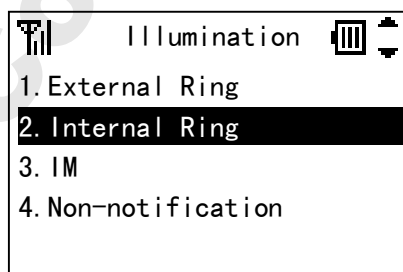


## • ILLUMINATION

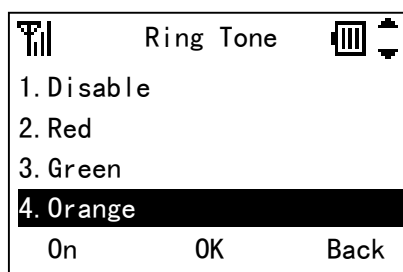
**Factory Default: Green (All kind)**

You can select an illumination color of Info LED on a call kind basis (External Ring, Internal Ring, IM and Non-notification).

- Press key in Standby mode. Your phone displays the main menu.
- Press key to select “5.Setting” and then press key.
- Press key to select “1.User Setting” and then press key.
- Press key to select “1.Incoming Call” and then press key.
- Press key to select “4.Illumination” and then press key.
- Press key to select a call kind you want to change an illumination and then press .



- Press key to select an illumination you want and then press “OK” key.



**TIP** By pressing “On” and “Stop” soft key, you can view the Illumination while you select an Illumination.

**TIP** You can reach Illumination menu by pressing following keys.











Go to Illumination menu:

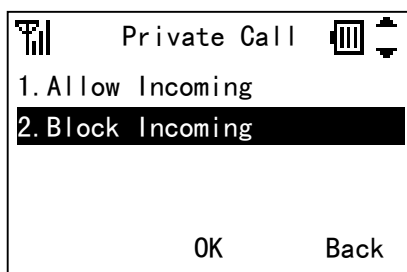


## • PRIVATE CALL

### Factory Default: Allow Incoming

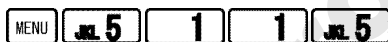
Your can block incoming calls without Caller ID.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “1.Incoming Call” and then press  key.
- Press  key to select “5.Private Call” and then press  key.
- Press  key to select “1.Allow Incoming” or “2.Block Incoming” and then press “OK” soft key.



**TIP** You can reach Private Call menu by pressing following keys.












Go to Private Call menu:

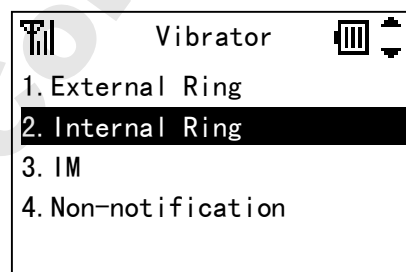



## • VIBRATOR

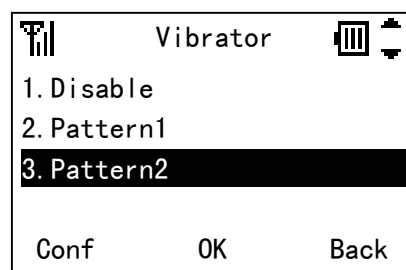
### Factory Default: Pattern1 (All kind)

You can select a vibrator pattern on a call kind basis (External Ring, Internal Ring, IM and Non-notification).

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “1.Incoming Call” and then press  key.
- Press  key to select “6.Vibrator” and then press  key.
- Press  key to select a call kind you want to change a vibrator and then press  key.



- Press  key to select a vibrator you want and then press “OK” key.



**TIP** By pressing “Conf” and “Stop” soft key, you can confirm the Vibrator while you select a Vibrator.

**TIP** You can reach Vibrator menu by pressing following keys.











Go to Vibrator menu:

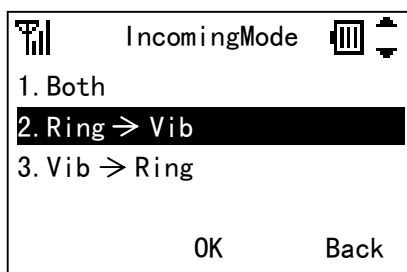


## • INCOMING MODE

### Factory Default: Both

Your can select an incoming mode of Ring and Vibrator.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “1.Incoming Call” and then press  key.
- Press  key to select “7.Incoming Mode” and then press  key.
- Press  key to select “1.Both”, “2.Ring→Vib” or “3.Vib→Ring” and then press “OK” soft key.



**TIP** You can reach Incoming Mode menu by pressing following keys.










Go to Incoming Mode menu:

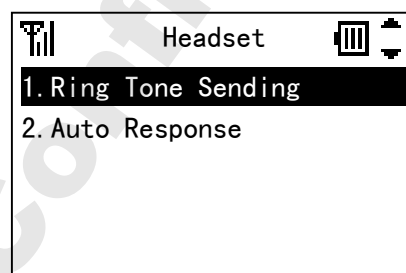


## • HEADSET




### Factory Default: Headset (Ring Tone Sending), None (Auto response)

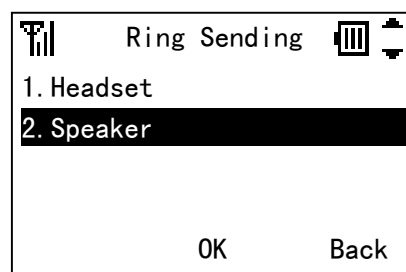
Your can modify a headset mode.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “1.Incoming Call” and then press  key.
- Press  key to select “8.Headset” and then press  key. Your phone displays.



### Ring Tone Sending:

- Press  key to select “1.Ring Tone Sending” and then press  key.
- Press  key to select “1.Headset” or “2.Speaker” and then press “OK” soft key.



- The display returns to the previous one.




**TIP** You can reach Ring Tone Sending of Headset menu by pressing following keys.

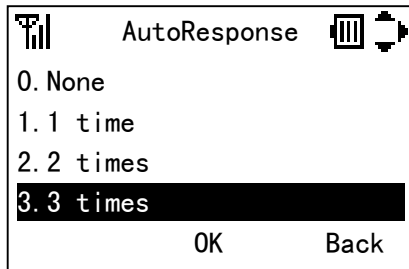
Go to Ring Tone Sending menu:





### Auto Response:

- Press  key to select “2.Auto Response” and then press  key.
- Press  key to select an auto response times you want and then press “OK” soft key.



- The display returns to the previous one.

**TIP** You can reach Auto Response of Headset menu by pressing following keys.











Go to Auto Response menu:

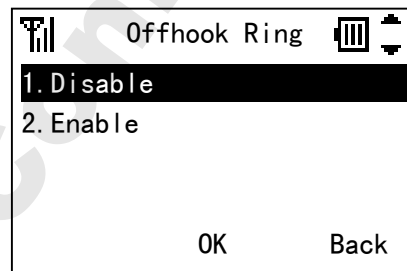


### • OFFHOKK RING

**Factory Default: Enable**

Your can accept second incoming call.

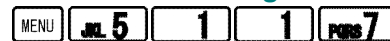
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “1.Incoming Call” and then press  key.
- Press  key to select “9.Offhook Ring” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** This feature does not work depending on your system.

**TIP** You can reach Offhook Ring menu by pressing following keys.











Go to Offhook Ring menu:

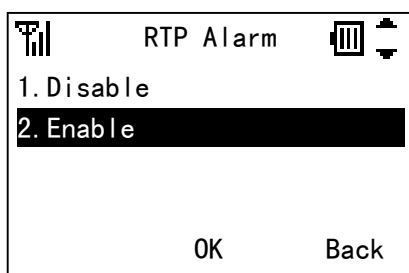


## • RTP ALARM

### Factory Default: Disable

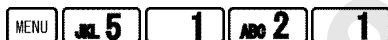
Your phone can provide an alarm if RTP packet loss is suspected.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “2.Talk” and then press  key.
- Press  key to select “1.RTP Alarm” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** You can reach RTP Alarm menu by pressing following keys.











Go to RTP Alarm menu:

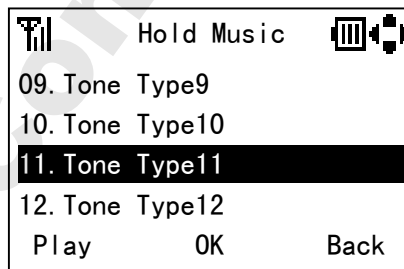


## • HOLD MUSIC

### Factory Default: Tone Type12

You can select a music that is provided while your phone is in hold status.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “2.Talk” and then press  key.
- Press  key to select “2.Hold Music” and then press  key.
- Press  key to select a music you want and then press “OK” soft key.



**TIP** By pressing “Play” and “Stop” soft key, you can hear the Music while you select Music.

**TIP** You can reach Hold Music menu by pressing following keys.











Go to Hold Music menu:

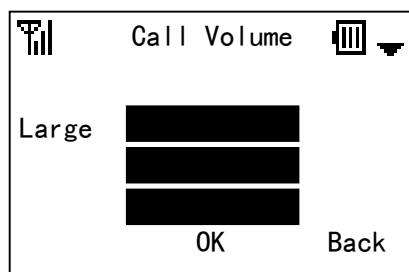


## • CALL VOLUME

### Factory Default: Middle

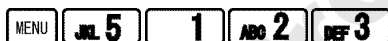
You can adjust receiver volume.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “2.Talk” and then press  key.
- Press  key to select “3.Call Volume” and then press  key.
- Call Volume can be set in 3 levels (Small, Middle and Large).
- Press  key to select an appropriate volume and then press “OK” soft key.



**TIP** You can reach Call Volume menu by pressing following keys.

Go to Call Volume menu:













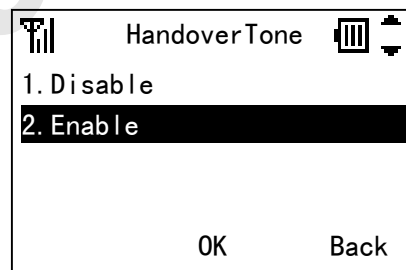
## • HANDOVER TONE

### Factory Default: Disable

Your phone can provide a warning tone when handover takes place.

**TIP** Handover is the process of transferring a wireless phone user from one Access Point to another.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “2.Talk” and then press  key.
- Press  key to select “4.Handover Tone” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** You can reach Handover Tone menu by pressing following keys.











Go to Handover Tone menu:

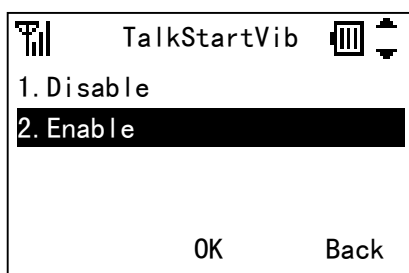


## • TALK START VIBRATOR

### Factory Default: Disable

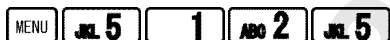
Vibrator can work as talk start notification when a called party answers your call.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “2.Talk” and then press  key.
- Press  key to select “5.Talk Start Vib” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** You can reach Talk Start Vib menu by pressing following keys.











Go to Talk Start Vib menu:

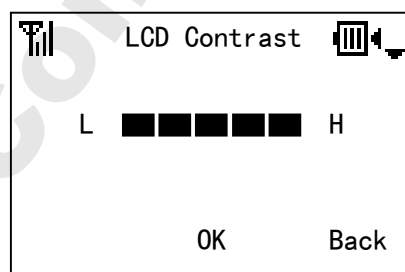


## • LCD CONTRAST

### Factory Default: 3

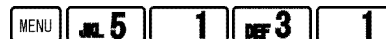
You can adjust LCD contrast.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “3.Display” and then press  key.
- Press  key to select “1.LCD Contrast” and then press  key.
- LCD Contrast can be set in 5 levels (1 to 5).
- Press  key to select an appropriate contrast and then press “OK” soft key.



**TIP** You can reach LCD Contrast menu by pressing following keys.










Go to LCD Contrast menu:

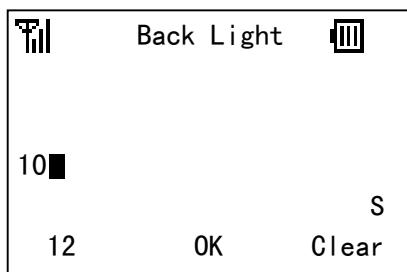


## • BACK LIGHT

**Factory Default: 5sec**

You can adjust a timer until LCD back light is off.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “3.Display” and then press  key.
- Press  key to select “2.Back Light” and then press  key.
- Back Light can be set 5 to 30 seconds.
- Edit an appropriate timer value and then press “OK” soft key.



**TIP** You can reach Back Light menu by pressing following keys.











**Go to Back Light menu:**

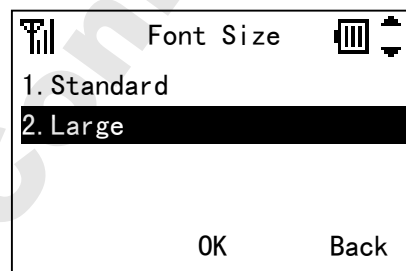


## • FONT SIZE

**Factory Default: Standard**

You can select a font size.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “3.Display” and then press  key.
- Press  key to select “3.Font Size” and then press  key.
- Press  key to select “1.Standard” or “2.Large” and then press “OK” soft key.



**TIP** You can reach Font Size menu by pressing following keys.











**Go to Font Size menu:**

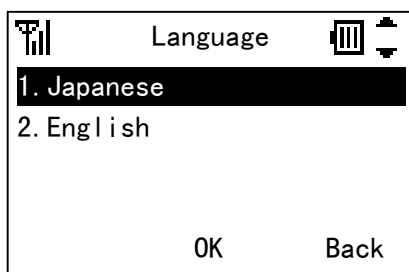


## • LANGUAGE

### Factory Default: English

The information on the LCD can be displayed in English or Japanese. You can switch between 2 languages as follow.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “3.Display” and then press  key.
- Press  key to select “4.Language” and then press  key.
- Press  key to select “1.Japanese” or “2.English” and then press “OK” soft key.



#### TIP

*You can reach Language menu by pressing following keys.*










**Go to Language menu:**

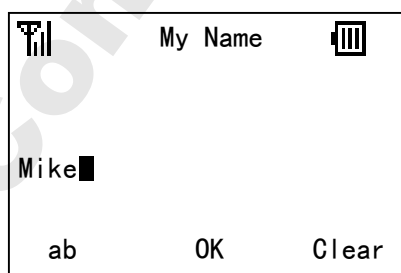


## • MY NAME

### Factory Default: -

Your phone can display specific strings (up to 10 characters) such as your name in Standby mode.

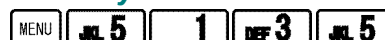
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “3.Display” and then press  key.
- Press  key to select “5.Language” and then press  key.
- Edit strings you want to display in Standby mode. and then press “OK” soft key.



#### TIP

*You can reach My Name menu by pressing following keys.*











**Go to My Name menu:**

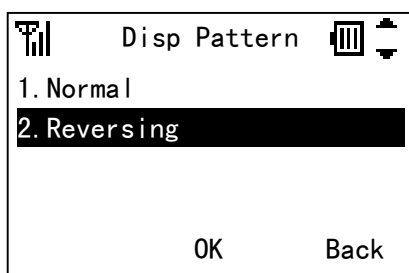


## • DISPLAY PATTERN

### Factory Default: Normal

Your phone can display reversed LCD pattern.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “3.Display” and then press  key.
- Press  key to select “6.Display Pattern” and then press  key.
- Press  key to select “1.Normal” or “2.Reversing” and then press “OK” soft key.



**TIP** You can reach Display Pattern menu by pressing following keys.

Go to Display Pattern menu:










## • CHANGE PASSWORD

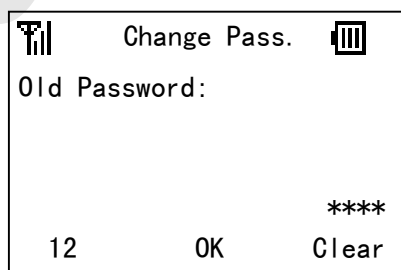
### Factory Default: -

You can change a password that is used for Password Lock or Configuration.

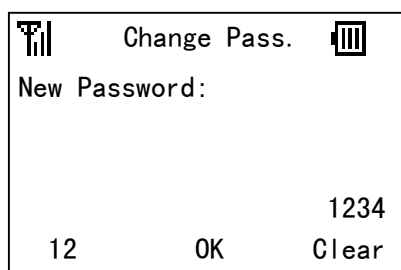
**TIP** Please contact your network administrator to know your password.

**TIP** Use 4 numeric characters for a password.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “4.Change Password” and then press  key.
- Enter your current password and then press “OK” soft key.



- Enter new password you want and then press “OK” soft key.



**TIP** You can reach Change Password menu by pressing following keys.











Go to Change Password menu:

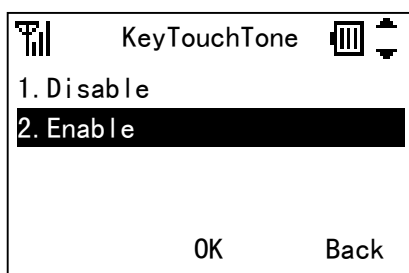


## • KEY TOUCH TONE

### Factory Default: Disable

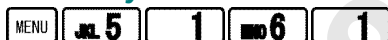
You can sound or mute a tone that is provided when you press any key on your phone.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “6.Keypad Mode” and then press  key.
- Press  key to select “1.Key Touch Tone” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** You can reach Key Touch Tone menu by pressing following keys.











Go to Key Touch Tone menu:

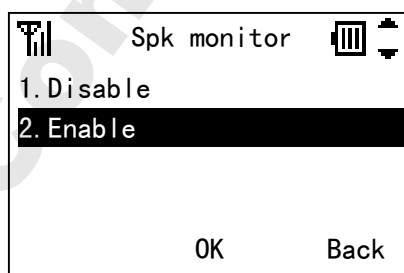


## • SPEAKER MONITOR

### Factory Default: Disable

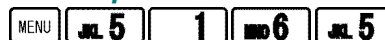
You can use Speaker monitor while talking as required.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “6.Keypad Mode” and then press  key.
- Press  key to select “5.Speaker monitor” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** You can Speaker monitor menu by pressing following keys.

Go to Speaker monitor menu:













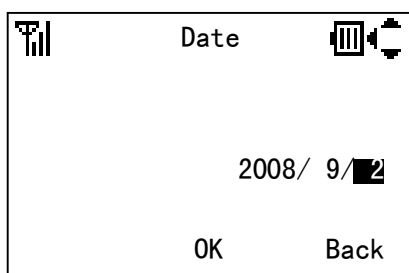


## • DATE

**Factory Default: 2008/ 1/ 1 (YYYY/MM/DD)**

You can adjust date information of your phone as required.

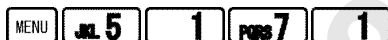
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “7.Date & Time” and then press  key.
- Press  key to select “1.Date” and then press  key.
- Press  key to adjust Year, Month and Day and then press “OK” soft key.



### TIP

*You can Date menu by pressing following keys.*











**Go to Date menu:**

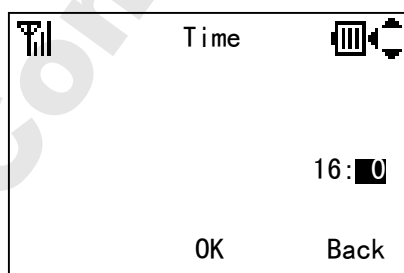


## • TIME

**Factory Default: 0: 0 (HH:MM)**

You can adjust time information of your phone as required.

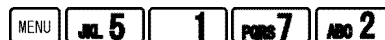
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “7.Date & Time” and then press  key.
- Press  key to select “2.Time” and then press  key.
- Press  key to adjust Year, Month and Day and then press “OK” soft key.



### TIP

*You can Time menu by pressing following keys.*











**Go to Time menu:**

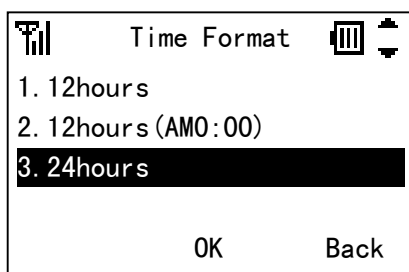


## • TIME FORMAT

### Factory Default: 12hours

You can select a time format (12hours, 12hours (AM0:00) and 24hours) as required.

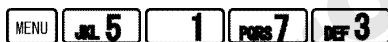
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “7.Date & Time” and then press  key.
- Press  key to select “3.Time Format” and then press  key.
- Press  key to select “1.12hours”, “2.12hours(AM0:00)” or “3.24hours” and then press “OK” soft key.



#### TIP

*You can Time Format menu by pressing following keys.*











**Go to Time Format menu:**

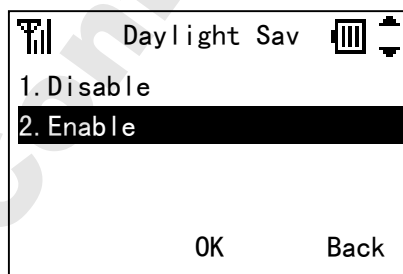


## • DATLIGHT SAVING

### Factory Default: Disable

You can use daylight saving as required.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “7.Date & Time” and then press  key.
- Press  key to select “4.Daylight Saving” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



#### TIP

*You can Daylight Saving menu by pressing following keys.*











**Go to Daylight Saving menu:**

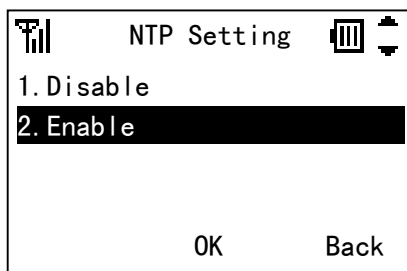


## • NTP SETTING

### Factory Default: Disable

You can use NTP server in your network as required.

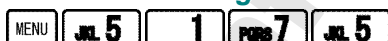
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “7.Date & Time” and then press  key.
- Press  key to select “5.NTP Setting” and then press  key.
- Press  key to select “1.Disable” or “2.Enable” and then press “OK” soft key.



**TIP** Please confirm your network administrator whether you can use NTP Server.

**TIP** You can NTP Setting menu by pressing following keys.










Go to NTP Setting menu:

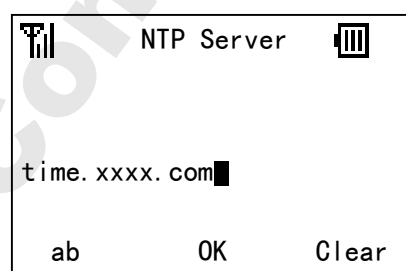


## • NTP SERVER

### Factory Default: -

You can set NTP server in your network as required.

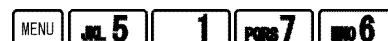
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “7.Date & Time” and then press  key.
- Press  key to select “6.NTP Server” and then press  key.
- Edit an appropriate NTP Server Address (IP or FQDN) and then press “OK” soft key.



**TIP** Please contact your network administrator to know NTP Server Address.

**TIP** You can NTP Server menu by pressing following keys.











Go to NTP Server menu:

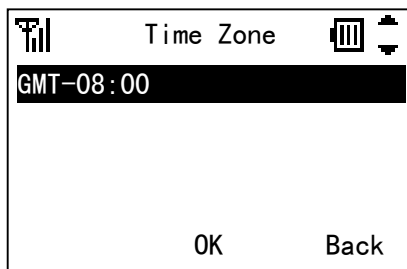


## • TIME ZONE

### Factory Default: GMT+00:00

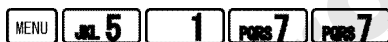
You can set time offset in the range -12:00 to +14:00, which specifies time offset between GMT and your area.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “7.Date & Time” and then press  key.
- Press  key to select “7.Time Zone” and then press  key.
- Press  key to adjust an appropriate time offset and then press “OK” soft key.



**TIP** You can Time Zone menu by pressing following keys.

Go to Time Zone menu:








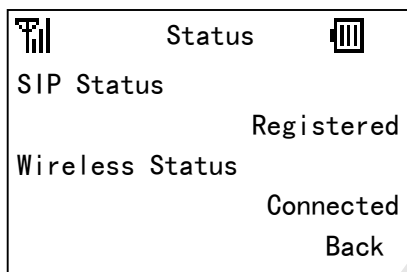
# 9. INFORMATION

You can confirm the information of your phone such as Phone No., IP address and MAC address.

## • TO DISPLAY STATUS

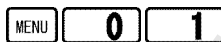
You can confirm the Status of your phone as follow.

- SIP Status
  - Wireless Status
- Press  key in Standby mode. Your phone displays the main menu.
  - Press  key to select “0.Information” and then press  key.
  - Press  key to select “1.Status” and then press  key.








**TIP** You can view Status by pressing following keys.

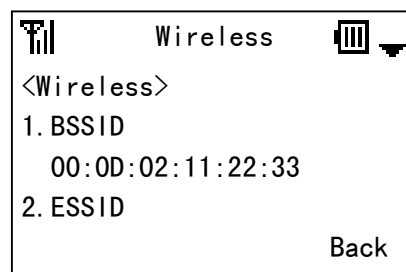
View Status:



## • TO DISPLAY WIRELESS STATUS

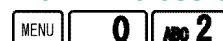
You can confirm the Wireless Status of your phone as follow.

- BSSID
  - ESSID
  - Channel
  - MAC address
  - Security
  - Rate
  - IP address
  - Netmask
  - Gateway
  - DNS Primary
  - DNS Secondary
- Press  key in Standby mode. Your phone displays the main menu.
  - Press  key to select “0.Information” and then press  key.
  - Press  key to select “2.Wireless” and then press  key.








**TIP** You can view Wireless Status by pressing following keys.

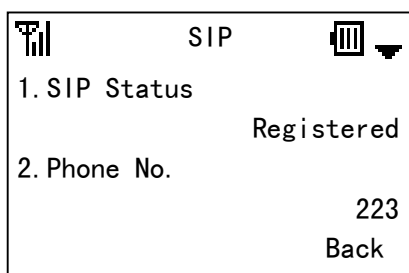
View Wireless Status:



## • TO DISPLAY SIP STATUS

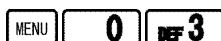
You can confirm the SIP Status of your phone as follow.

- SIP Status
  - Phone No.
  - SIP Proxy
  - SIP Port
  - REGISTER
- Press  key in Standby mode. Your phone displays the main menu.
  - Press  key to select “0.Information” and then press  key.
  - Press  key to select “3.SIP” and then press  key.



**TIP** You can view SIP Status by pressing following keys.

**View SIP Status:**



# 10. PASSWORD LOCK

You can lock your phone against unauthorized usage. This is also useful for guarding your phone against inadvertent button presses.

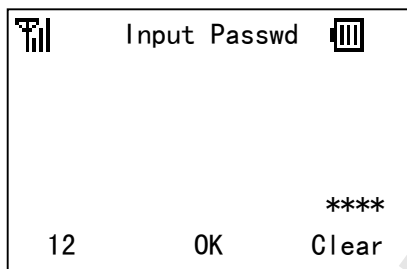
## • TO USE MANUAL LOCK

- Press and hold **HOLD** key for 2 seconds or more to lock your phone in Standby mode.
- Your phone is locked and displays a lock icon (🔒).

**TIP** You can make an Emergency Call even if your phone is locked.

## • TO UNLOCK YOUR PHONE

- Press any key except **📞** key and then input your password (4 digits).



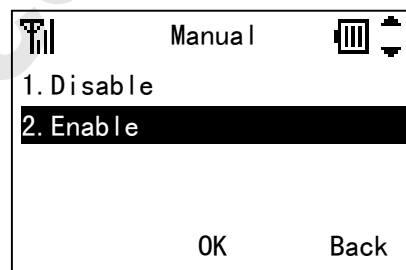
- Your phone is unlocked and a lock icon (🔒) disappears.

**TIP** Please contact your network administrator to know your password.

## • TO ENBLE MANUAL LOCK

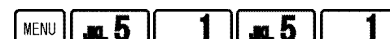
### Factory Default: Disable

- Press **MENU** key in Standby mode. Your phone displays the main menu.
- Press **5** key to select “5.Setting” and then press **OK** key.
- Press **1** key to select “1.User Setting” and then press **OK** key.
- Press **5** key to select “5.Password Lock” and then press **OK** key.
- Press **1** key to select “1.Manual lock” and then press **OK** key.
- Press **2** key to select “2.Enable” and then press “OK” soft key.



**TIP** You can reach Manual lock menu by pressing following keys.












Go to Manual lock menu:

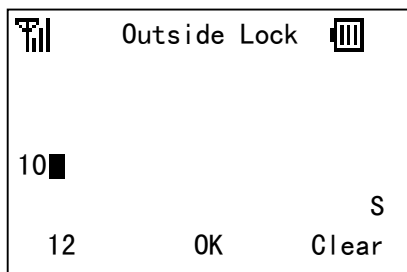


## • TO USE OUTSIDE LOCK

### Factory Default: 0sec (Disable)

When your phone is in out of service area, your phone is locked automatically expire timer you set.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “5.Password Lock” and then press  key.
- Press  key to select “2.Auto lock” and then press  key.
- Press  key to select “1.Outside Lock” and then press  key.
- Edit an appropriate timer value (0:disable to 3600sec) and then press “OK” soft key.



**TIP** You can reach Outside Lock menu by pressing following keys.













Go to Outside Lock menu:

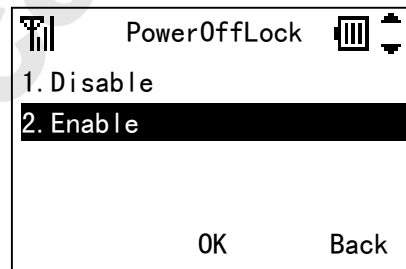


## • TO USE POWEROFF LOCK

### Factory Default: Disable

When your phone is turned on after power off, your phone is locked automatically.

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “5.Password Lock” and then press  key.
- Press  key to select “2.Auto lock” and then press  key.
- Press  key to select “2.PowerOff Lock” and then press  key.
- Press  key to select “2.Enable” and then press “OK” soft key.



**TIP** You can reach PowerOff Lock menu by pressing following keys.

Go to PowerOff Lock menu:





# 11. PREFIX DIAL

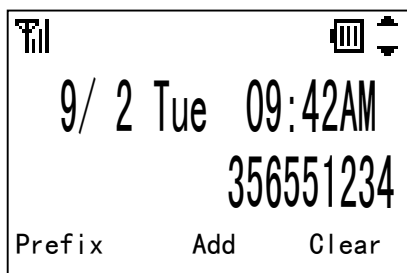
You can add Prefix Dial to phone number when you make a call.


## • TO USE PREFIX DIAL

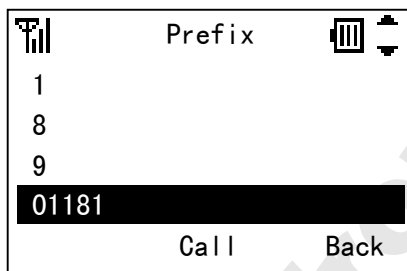
You can use Prefix Dial as follow.

### To Make a Call by preset dialing:




- Enter the phone number and then press “Prefix” soft key.

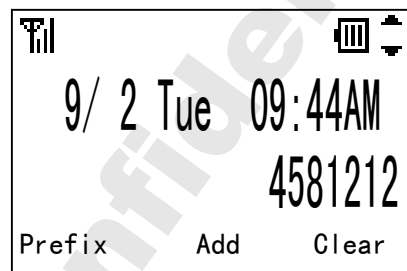



- Press  key to select Prefix and then “Call” soft key.

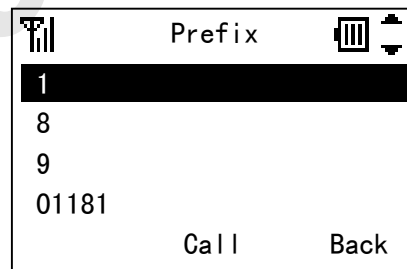


### To Make a Call from Call History:





- Press  key to view a call history you want and then press  key to select a phone number you want.
- Press  key and then press “Prefix” soft key.

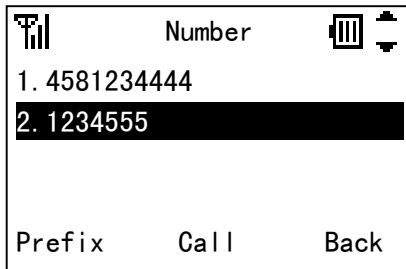



- Press  key to select Prefix and then “Call” soft key.

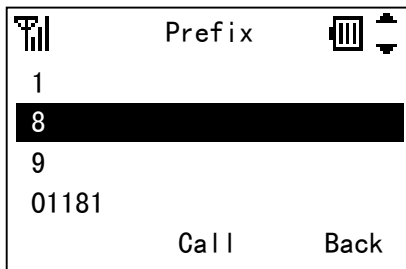


### To Make a Call from Directory:

- Press  key to view Directory and then press  key to select a called party you want.
- Press  key and then press  key to select a phone number you want.














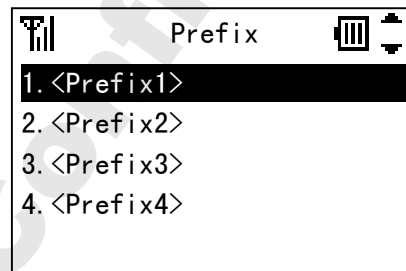
- Press “Prefix” soft key.
- Press  key to select Prefix and then “Call” soft key.



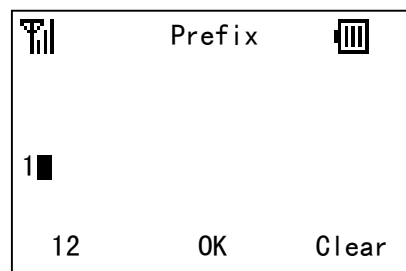
### • TO REGISTER PREFIX NO.

#### Factory Default: -

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “5.Setting” and then press  key.
- Press  key to select “1.User Setting” and then press  key.
- Press  key to select “2.Talk” and then press  key.
- Press  key to select “6.Reg. Prefix No.” and then press  key.
- Press  key to select a registered area and then press  key.

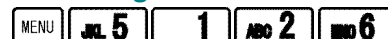


- Edit prefix number you want and then press “OK” soft key.



**TIP** You can reach Register Prefix No. menu by pressing following keys.





**Go to Register Prefix No. menu:**

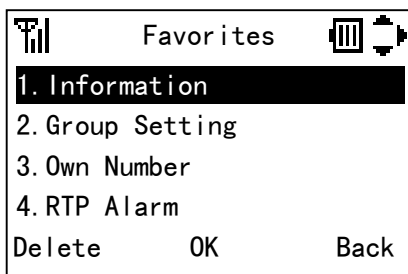


# 12.FAVORITES

You can use favorites menu that you can customize.

## • TO USE FAVORITES

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “#.Favorites” and then press  key.
- Press  key to select a menu you want to use and then press “OK” soft key.








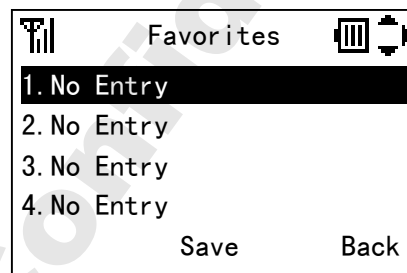
**TIP** You can reach Favorites menu by pressing following keys.



Go to Favorites menu:







## • TO ENTRY A MENU TO FAVORITES

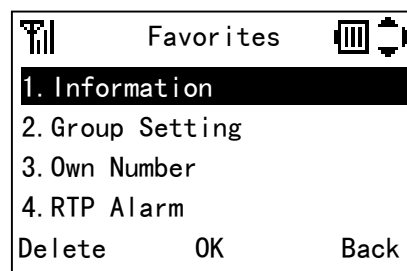
- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “#.Favorites” and then press  key.
- Press  key to select an entry area and then press  key.





- Press  key and  key to select a menu you want to entry and then press “Save” soft key.

## • TO DELETE A MENU FROM FAVORITES

- Press  key in Standby mode. Your phone displays the main menu.
- Press  key to select “#.Favorites” and then press  key.
- Press  key to select an entry area and then press “Delete” soft key.



- Press  key and  key to select a menu you want to entry and then press “Save” soft key.

This page is for your notes.

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# 13.MENU LIST

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## • MENU LIST

The following shows the menu list of MH240 with the default values and remarks as required.

Category	Menu	Default	Remarks
MENU	<b>0.Information</b> <b>1.Call History</b> <b>2.Directory</b> <b>3.Tool</b> <b>4.Voice Mail</b> <b>5.Setting</b> <b>#.Favorites</b>		This is main menu of the phone.

Category	Menu	Default	Remarks
<b>0.Information</b>			
1.Status	<b>SIP Status</b> Not Register / Registering / Registered <b>Wireless Status</b> Not Connect / Connected		
2.Wireless	<b>BSSID</b> XX:XX:XX:XX:XX:XX <b>ESSID</b> <b>Channel</b> 1 to 11 <b>MAC address</b> XX:XX:XX:XX:XX:XX <b>Security</b> OPEN / WEP / WPA-PSK / WPA2-PSK / WPA / WPA2 <b>Rate</b> 1 to 54 Mbps <b>IP address</b> XXX.XXX.XXX.XXX <b>Netmask</b> XXX.XXX.XXX.XXX <b>Gateway</b> XXX.XXX.XXX.XXX <b>DNS Primary</b> XXX.XXX.XXX.XXX <b>DNS Secondary</b> XXX.XXX.XXX.XXX		
3.SIP	<b>SIP Status</b> Not Register / Registering/ Registered <b>Phone No.</b> <b>SIP Proxy</b> XXX.XXX.XXX.XXX <b>SIP Port</b> XXXXX <b>REGISTER</b> XXX.XXX.XXX.XXX		
<b>1.Call History</b>			
1.Missed	<b>No Data</b> (when no record)		Up to 50 entries
2.Outgoing	<b>No Data</b> (when no record)		Up to 50 entries
3.Incoming	<b>No Data</b> (when no record)		Up to 50 entries
4.All Delete	<b>1.Outgoing</b> <b>2.Incoming</b> <b>3.All</b>		
<b>2.Directory</b>			
1.Search			
1.Personal			
1.Group	<b>01.Default to 20.Group20</b>		
2.Name	(alphanumeric characters)		16bytes
3.Tel Number	(32 digits)		32bytes
4.Others			
1.Memory ID	<b>001 to 500</b>		
2.Alphabet	<b>2.ABC</b> <b>3.DEF</b> <b>4.GHI</b> <b>5.JKL</b> <b>6.MNO</b> <b>7.PQRS</b> <b>8.TUV</b> <b>9.WXYZ</b> <b>*.Other</b> <b>#.All</b>		
3.Company	(alphanumeric characters)		16bytes

Category	Menu	Default	Remarks
2.Edit			
Name	(alphanumeric characters)	blank	16bytes
Group	01.Default to 20.Group20	01.Default	
Tel #1	(32 digits)	blank	32bytes
Tel #2	(32 digits)	blank	32bytes
Tel #3	(32 digits)	blank	32bytes
Company Name	(alphanumeric characters)	blank	16bytes
Ring Tone	01.Disable 02.Default 03.Tone Type1 04.Tone Type2 05.Tone Type3 06.Tone Type4 07.Tone Type5 08.Tone Type6 09.Tone Type7 10.Tone Type8 11.Tone Type9 12.Tone Type10 13.Tone Type11 14.Tone Type12 15.Tone Type13 16.Download1 17.Download2 18.Download3	02.Default	
Illumination	1.Disable 2.Default 3.Red 4.Green 5.Orange	2.Default	
Vibrator	1.Disable 2.Default 3.Pattern1 4.Pattern2	2.Default	
3.Group Setting			
01.Default 02.Colleagues 03.VIPs 04.Family 05.Friends 06.Group6 07.Group7 08.Group8 09.Group9 10.Group10 11.Group11 12.Group12 13.Group13 14.Group14 15.Group15 16.Group16 17.Group17 18.Group18 19.Group19 20.Group20	Name	(alphanumeric characters)	blank
	Ring Tone	01.Disable 02.Default 03.Tone Type1 04.Tone Type2 05.Tone Type3 06.Tone Type4 07.Tone Type5 08.Tone Type6 09.Tone Type7 10.Tone Type8 11.Tone Type9 12.Tone Type10 13.Tone Type11 14.Tone Type12 15.Tone Type13 16.Download1 17.Download2 18.Download3	02.Default
	Illumination	1.Disable 2.Default 3.Red 4.Green 5.Orange	2.Default
	Vibrator	1.Disable 2.Default 3.Pattern1 4.Pattern2	2.Default
4.Own Number		Own Number	240
5.All Delete		(Delete all Directory)	

Category	Menu	Default	Remarks
3.Tool	No Tool		
4.Voice Mail	No Data (when no record)		
5.Setting			
1.User Setting			
1.Incoming Call			
1.Ring Volume	Large Middle Small Graduate Off	Middle	
2.Ring Tone			
1.External Ring 2.Internal Ring 3.IM 4.Non-notification	01.Tone Type1 02.Tone Type2 03.Tone Type3 04.Tone Type4 05.Tone Type5 06.Tone Type6 07.Tone Type7 08.Tone Type8 09.Tone Type9 10.Tone Type10 11.Tone Type11 12.Tone Type12 13.Tone Type13 14.Download1 15.Download2 16.Download3	01.Tone Type1	
3.Incoming Popup			
1.Popup Mode	1.Disable 2.Enable	1.Disable	
2.Back Light	1.Disable 2.Enable	1.Disable	
4.Illumination			
1.External Ring 2.Internal Ring 3.IM 4.Non-notification	1.Disable 2.Red 3.Green 4.Orange	3.Green	
5.Private Call	1.Allow Incoming 2.Block Incoming	1.Allow Incoming	
6.Vibrator			
1.External Ring 2.Internal Ring 3.IM 4.Non-notification	1.Disable 2.Pattern1 3.Pattern2	2.Pattern1	
7.Incoming Mode	1.Both 2.Ring-->Vib 3.Vib-->Ring	1.Both	
8.Headset			
1.Ring Tone Sending	1.Headset 2.Speaker	1.Headset	
2.Auto Response	0.None 1.1 time 2.2 times 3.3 times 4.4 times 5.5 times	0.None	
9.Offhook Ring	1.Disable 2.Enable	2.Enable	



Category	Menu	Default	Remarks
2.Talk			
1.RTP Alarm	1.Disable 2.Enable	1.Disable	
2.Ring Tone	01.Tone Type1 02.Tone Type2 03.Tone Type3 04.Tone Type4 05.Tone Type5 06.Tone Type6 07.Tone Type7 08.Tone Type8 09.Tone Type9 10.Tone Type10 11.Tone Type11 12.Tone Type12 13.Tone Type13 14.Download1 15.Download2 16.Download3	12.Tone Type12	
3.Call Volume	Large Middle Small	Middle	
4.Handover Tone	1.Disable 2.Enable	1.Disable	
5.Talk Start Vib	1.Disable 2.Enable	1.Disable	
6.Reg. Prefix No.	1.<Prefix1> 2.<Prefix2> 3.<Prefix3> 4.<Prefix4>	blank	32bytes
3.Display			
1.LCD Contrast	(Level 1 to 5)	3	
2.Back Light	(5 to 30 sec)	5 sec	
3.Font Size	1.Standard 2.Large	1.Standard	
4.Language	1.Japanese 2.English	2.English	
5.My Name	(alphanumeric characters)	blank	10bytes
6.Display Pattern	1.Normal 2.Reversing	1.Normal	
4.Change Password			
Old Password	(4 digits)	blank	4bytes
New Password	(4 digits)	blank	4bytes
5.Password Lock			
1.Manual Lock	1.Disable 2.Enable	1.Disable	
2.Auto Lock			
1.Outside Lock	(0 to 3600 sec)	0 (Disable)	
2.PowerOff Lock	1.Disable 2.Enable	1.Disable	

Category		Menu	Default	Remarks
6. Keypad Mode				
1. Key Touch Tone		1. Disable 2. Enable	1. Disable	
2. Function Key		1. System 2. Speed Dial	1. System	
3. Dial Key		1. Alphabet Search 2. Preset Dial	1. Alphabet Search	
4. Assign Dial				
F1. F2. F3. F4. F5. F6. F7. F8. D1. D2. D3. D4. D5. D6. D7. D8. D9. D0.	1. Name	(alphanumeric characters)	blank	16bytes
	2. TEL	(32 digits)	blank	32bytes
5. Speaker Monitor		1. Disable 2. Enable	1. Disable	
7. Date & Time				
1. Date		(YYYY/MM/DD)	2008/ 1/ 1	
2. Time		(HH:MM)	0: 0	
3. Time Format		1. 12hours 2. 12hours(AM0:00) 3. 24hours	1. 12hours	
4. Daylight Saving		1. Disable 2. Enable	1. Disable	
5. NTP Setting		1. Disable 2. Enable	1. Disable	
6. NTP Server		(xxx.xxx.xxx.xxx or FQDN)	blank	
7. Time Zone		GMT-12:00 / -11:00 / -10:00 / -09:30 / -09:00 / -08:00 / -07:00 / -06:00 / -05:00 / -04:00 / -03:30 / -03:00 / -02:00 / -01:00 / +00:00 / +01:00 / +02:00 / +03:00 / +03:30 / +04:00 / +04:30 / +05:00 / +05:30 / +05:45 / +06:00 / +06:30 / +07:00 / +08:00 / +08:45 / +09:00 / +09:30 / +10:00 / +10:30 / +11:00 / +11:30 / +12:00 / +12:45 / +13:00 / +14:00	GMT+00:00	

Category	Menu	Default	Remarks
2.Download			
1.Download Files	1.Directory 2.Call History 3.User Setting 4.Config 5.Certificate 6.Ring Tone1 7.Ring Tone2 8.Ring Tone3		
2.Download Address	(xxx.xxx.xxx.xxx or FQDN)	blank	
3.FTP Settings			
1.User ID	(alphanumeric characters)	blank	32bytes
2.Password	(alphanumeric characters)	blank	40bytes
3.Folder	(alphanumeric characters)	blank	40bytes
5.Speaker Monitor	1.Disable 2.Enable	1.Disable	
3.Maintenance			
1.Config (Need Manager Password)			
Password	(4 digits)	blank	4bytes
1.Wireless	1.Profile 2.Handover List		
2.SIP Settings	1.SIP Proxy 2.Register 3.RegisterPort 4.User ID 5.User Password 6.Phone No. 7.Advanced	1.Disable	
3.Manager Password			
Old Password	(4 digits)	blank	4bytes
New Password	(4 digits)	blank	4bytes
2.Check			
1.Monitoring			
1.QoS			
1.QoS Monitor	LostPacket: Codec: Payload:		
2.Refresh Timer	(0 to 30 sec)	5 sec	
2.Ping	(xxx.xxx.xxx.xxx)	blank	
2.Setting List			
1.Status 2.Wireless 3.SIP	Same as "0.Information"		
3.PC Port	1.Close 2.Open	1.Close	
4.USB Connect			
#.Favorites	1.No Entry 2.No Entry 3.No Entry 4.No Entry 5.No Entry 6.No Entry 7.No Entry 8.No Entry 9.No Entry 0.No Entry		

## • CHARACTER CODE LIST

The following shows character code list when your phone is in edit mode.

Character Code List

	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th
	”	’	[	]	<	>	(	)	{	}	
	A	B	C	a	b	c					
	D	E	F	d	e	f					
	G	H	I	g	h	i					
	J	K	L	j	k	l					
	M	N	O	m	n	o					
	P	Q	R	S	p	q	r	s			
	T	U	V	t	u	v					
	W	X	Y	Z	w	x	y	z			
	[space]										
	*	.	+	-	/	,	:	;	=	?	!
	#	@	\$	%	&	¥	^	_	`		~

# 14.TROUBLE SHOOTING


## • MESSAGE MEANINGS AND SUGGESTIONS






The following shows the meanings and suggestions of messages that may be displayed on your phone.

Message	Meaning & Suggestion
[Password] Unauthorized!	The entered password is not correct. Enter the correct password.
[Low Battery] Please charge it	Battery charge level is low. Charge the battery.
[Directory] No Input Name	You do not edit Name of Directory. Edit Name.
[Directory] Directory is Full	The number of entries reaches the maximum. To add new entry, delete some entries in advance.
[Handy KeyLock] Handy KeyLock Enabled	Displayed when your phone is locked.
[Handy KeyLock] Handy KeyLock Disabled	Displayed when your phone is unlocked.
[Password Lock] PASSWORD Lock Enabled	Displayed when your phone is locked with password.
[Setting] X to Y is input	Entered value is out of range. Enter the value of X to Y.

## • TROUBLES AND SUGGESTIONS

The following shows suggestions on how to resolve MH240 operation problems. Confirm the following before making a call:

- ✓ Is power ON?
- ✓ Is battery charged?
- ✓ Is Antenna icon (  ) displayed?

Symptom	Suggestion
Can not power on the phone...	<ul style="list-style-type: none"> <li>- Press  key and hold more than 2 seconds.</li> <li>- Insert the battery to your phone properly.</li> <li>- Charge the battery.</li> </ul>
Can not operate keys on the phone...	<ul style="list-style-type: none"> <li>- Unlock your phone if lock icon (  ) is displayed.</li> <li>- Unlock your phone if "Handy KeyLock" is displayed.</li> </ul>
Communication is lost, audio break-up occurs...	<ul style="list-style-type: none"> <li>- Check the receiving signal strength.</li> <li>- Check the battery when  is indicated.</li> <li>- Apart your phone more than 50cm from Access Point.</li> </ul>
Can not see Antenna Icon (  )...	<ul style="list-style-type: none"> <li>- When you are in area where sufficient signal can not be obtain, move to other area.</li> <li>- SIP server registration is uncompleted. If this occurs, please contact your network administrator.</li> </ul>
Can not sustain battery power...	<ul style="list-style-type: none"> <li>- Insert the battery to your phone properly.</li> <li>- Place the battery on the proper position of your cradle.</li> <li>- Replace the battery.</li> </ul>
Can not make or receive a call...	<ul style="list-style-type: none"> <li>- Make sure that phone number of your phone. To change the phone number, please contact your network administrator.</li> </ul>
The phone does not ring...	<ul style="list-style-type: none"> <li>- When your phone is placed in courtesy mode, cancel it. Courtesy icon (  ) appears when your phone is in this mode.</li> <li>- Check ring volume and adjust except "Off".</li> </ul>

# 15. SPECIFICATIONS

## • TECHNICAL SPECIFICATIONS

The following shows the technical specifications of MH240.

Item	Specifications
Wireless Interface	IEEE802.11b/g
Codec	G.711, G.729a, Payload Size: 20 to 80 ms
Control Protocol	SIP (RFC3261), NEC Enhanced SIP
Authentication	IEEE802.1x (EAP-TLS, PEAP)
Encryption	WEP (64 bit / 128 bit), TKIP, AES
LCD	Monochrome LCD, 120 × 90 pixels
Main Feature	Call History, Directory, Speed Dial, Courtesy Mode
Ringer	Ring Tone : selectable from 16 kinds Ring Volume : selectable from 5 levels
Battery	Lithium Ion Battery, 3.7 V - 850 mAh
Battery Life	Talk Time : up to 3 hours Standby Time : up to 90 hours
AC Adapter	INPUT : AC 100 V to 120 V, 50/60 Hz, 0.3 A OUTPUT : DC 5 V, 1 A DC Plug : miniUSB (typeB) plug
Operation Temperature	0 to 35 °C
Operating Humidity	10 to 90 %
Dimension	135.0 × 48.0 × 17.6 mm
Weight	94.36 g
Certification and Compliance	CSA60950-1 FCC Part 15 Class B RSS-210 HAC

This page is for your notes.

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# 16.LICENCE

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This product uses the software of GPL/LGPL, and we will inform that the customer has the right of obtaining the source code of that software, the modification, and the re-distribution.

Please contact the nearest NEC service office about the method of obtaining the source code.

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