Wi-Fi/GSM Dual Mode Phone

MD6010 series

User's Manual

MD6010 SERIES

This manual covers the operation instructions for the following models:

MD6000/MD6010/MD6020/MD6030

SAFETY AND REGULATORY INFORMATION

General Safety
- Do not leave the phone in hot places where temperature may reach above 55°C, e.g. on dashboard of a car or by window-side with direct sunshine.
- Do not use the phone at a refueling point. Don't use near fuel or chemicals.
- Batteries should be disposed of in accordance with relevant legislation.
- The temperature of the phone and the earpiece may rise during normal operation and battery charging; do not leave the phone attached to your skin for a long time.
- When the phone is set to vibrating mode, do not leave it too close to a heat source (e.g. heater), or the edge of a surface.

In Aircraft
- Wireless devices can cause interference in aircraft.
- Turn off your mobile phone before boarding any aircraft.
- Do not use it on the ground without crew permission.

Medical Devices
- Do not use your mobile phone near medical equipment without requesting permission. Avoid placing the phone over the pacemaker, i.e. in your breast pocket.

Road safety
- Check the laws and regulations on the use of mobile phones in the areas when you drive.

- Do not use a hand-held phone while driving. Pull off the road and park before making or answering a call if driving conditions so require.

Efficient and Safe Phone Operation
- The phone is not water proofed; please keep it dry.
- Do not cover the phone's built-in antenna with your hand. This will reduce the voice quality, and force the phone to operate at a higher power output, which impacts the phone's talk time and standby time.

Federal Communication Commission Interference Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's

authority to operate this equipment.

IMPORTANT NOTE:
FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

"For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines."

Radio wave exposure and Specific Absorption Rate (SAR) information
- This mobile phone model MD6010 has been designed to comply with applicable safety requirement for exposure to radio waves. This requirement is based on scientific guidelines that include safety margins designed to assure this safety of all persons, regardless of age and health.
- The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using standardized method with the phone transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various phone models, they are all designed to meet the relevant guidelines for exposure to radio waves.
- The SAR limit recommended by the international Commission on Non-Ionizing Radiation Protection (ICNIRP), which is 1.6W/kg

averaged over ten (1) gram of tissue.

- The highest SAR value for this model phone tested by DASY4 for use at the ear is 0.831 W/kg (1g).
- SAR data information for residents in countries/regions that have adopted the SAR limit recommended by the Institute of Electrical and Electronics Engineers (IEEE), which is 1.6 W/kg averaged over one (1) gram of tissue.

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GETTING STARTED

1. Package Contents

- MD6010 Dual Mode Phone
- Battery
- AC Adapter
- Quick Start Guide
- User's Manual
- MD6010 Utility CD

## 2. Phone Description

2.1. The Front Panel
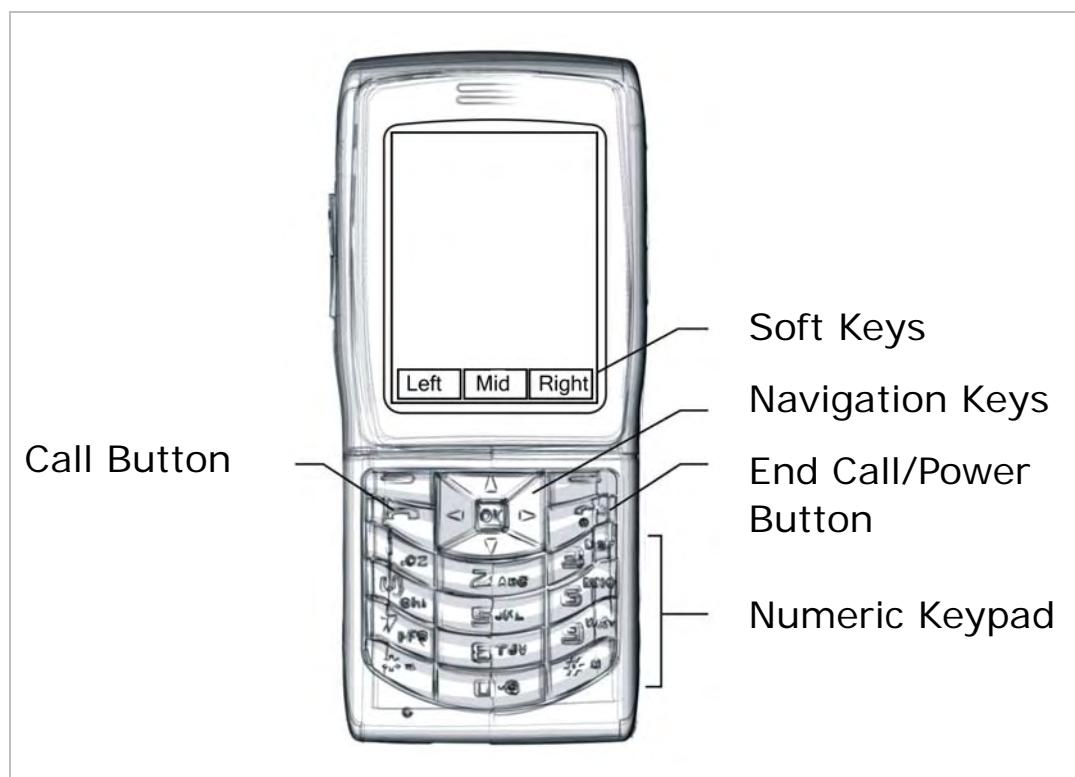
The MD6010 Dual Mode Phone's buttons and each of their functions are described in the table below:

Button	Name	Function
	Soft Keys	Use Soft Keys to select menu items displayed right above
	Navigation	Use ▲ ▼ to scroll through menu and

		setting items. You can also use the center button to select a highlighted menu or setting item.
	Place/Receive Call	Press Place/Receive Call button to make outgoing calls or accept incoming calls.
	End Talk/ Power	▪ Press red End Talk button to finish a call or reject a new call. ▪ Press and hold Power button for 2 seconds to turn on/off the phone. ▪ It is also a shortcut to the home screen.
	Numeric Keypad	Press the keys on the Numeric Keypad to enter letters and numbers. Refer to INPUT METHOD for detail information.

2.2. Mini-USB Port, Volume Key, Headset Jack, and Network Info Display Key
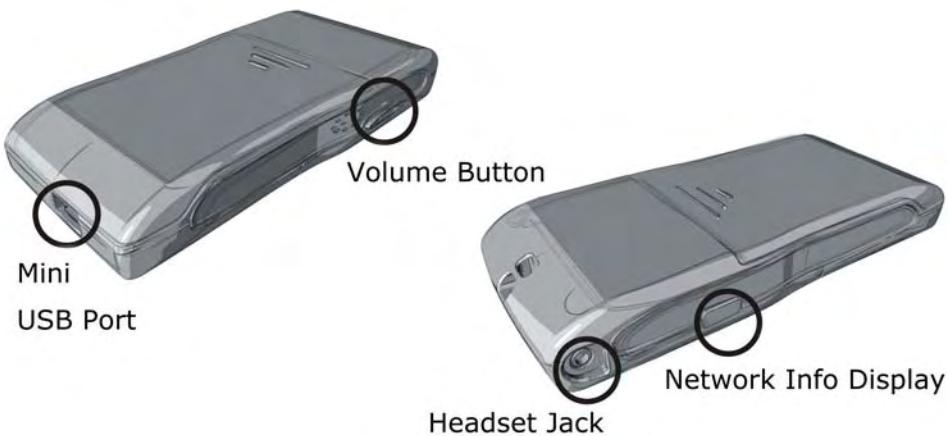

- The mini-USB port is located on the bottom panel of the phone. Use the mini-USB port to connect the included AC adapter to charge the battery.
- The volume button is located on one of the side panels. Use the button to adjust talk volume and ring tone volume.

- The Headset Jack is located on the other side panel of the phone. Use it to connect a headset for hands-free operation.

- The Network Info Display Key is next to the Headset Jack. Press the button to display the network information including IP address of the phone.

3. Installing and Using the Phone

3.1. Removing Battery Cover

Gently press the
latch,

and slide along this
direction
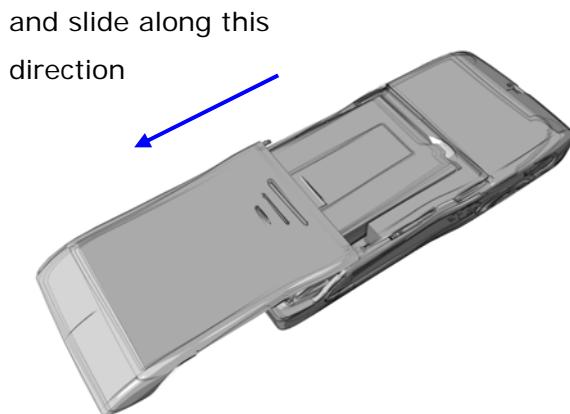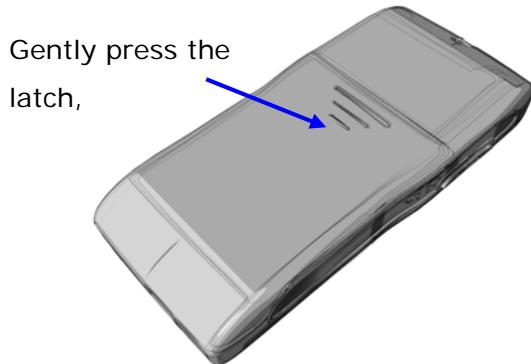
Remove the battery compartment cover by sliding the back cover toward the bottom of the phone. (See illustration)

3.2. Inserting SIM Card
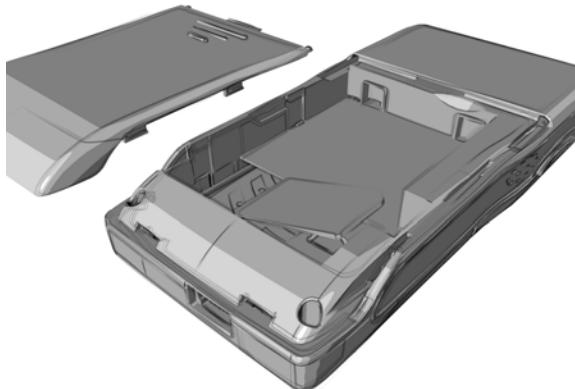
Insert your SIM card (Subscriber Identify Module) securely to the SIM card compartment. Make sure the gold-colored contacts on the card are facing down.

3.3. Inserting and Charging Battery
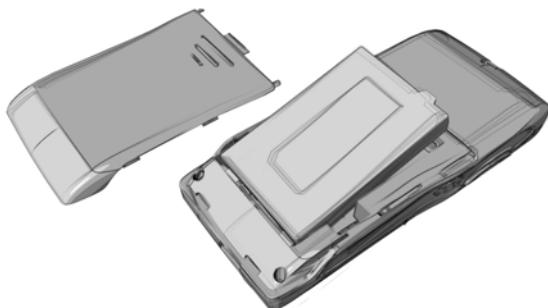
- Insert the battery with the metal contacts facing the contacts at the side of the battery compartment.
- Align the back cover with the phone; gently slide the latch back until it clicks into place
- Connect the connector end of the AC adapter to the mini-USB port of the phone.
- Plug the other end of the adapter into a standard electrical outlet.

3.4. Power On the MD6010 Dual Mode Phone

- Press the power button for at least 2 seconds to turn on the phone.

3.5.Setup for Wi-Fi Operation Mode

Before you begin, make sure you have set up an internet connection. Also have the account information provided by your internet phone service provider ready.

Set up SIP registration

a. Press **Menu** soft key.

b. Press ▲ or ▼ button to highlight **Phone Settings**. Press **OK**.

c. Press ▲ or ▼ button to highlight **Network**. Press **OK**.

d. Press ▲ or ▼ button to highlight **SIP Profile**. Press **OK**.

e. Press **OK** to enter the default SIP Profile.

f. Press ▲ or ▼ button to highlight each of the following settings your service provider requires you to change, then press **OK** soft key to change the setting.

1) **Profile** Name: Define a name for the default profile.

2) **User name:** Enter your phone number

3) **Registrar**: Press **OK** to enter Registra server information

    1. **Registrar IP:** Enter the SIP Registra Proxy IP address

    2. **Registrar Port:** Enter the SIP Registra Proxy Port number (default 5060)

4) **Authenticate**: Press **OK** to enter Authentication information

1. **Authentication ID:** Enter the authentication ID of your voice account; normally it is your phone number

2. **Authentication PW:** Enter the authentication password of your voice account.

5) **Subscription time:** Leave the subscription time at its default (3600) unless otherwise specified by your internet phone service provider.

6) **Registration time:** Leave the registration time at its default (3600) unless otherwise specified by your internet phone service provider.

7) **Audio Setting:** Leave the Audio Setting at AUTO unless otherwise specified by your internet phone service provider.

8) **DTMF Signaling:** Leave the DTMF signaling option at "In-band" unless otherwise specified by your internet phone service provider.

9) **Proxy Server**: Press **OK** to set Proxy Server information

1. **Proxy Enable**: Set Proxy Server to Enable

2. **Proxy IP:** Enter the Outbound Proxy IP address of your internet phone service provider.

3. **Proxy Port:** Enter the Outbound Proxy Port number (default 5060)

10) **NAT Traversal:** If your internet phone service provider does not offer an outbound proxy server, enable the **STUN** option, and enter the IP address and port number of a valid STUN server on the internet.

Note: When you are finished changing a setting, press the

***OK** soft key to save your changes.*

g. Once finished making all changes, use ▲▼ button to select **Activate**, press **OK**.

h. Press the End Call/Power key to return to the main screen.

Connecting the Phone to a Wireless Network and Internet

a. Press **Menu** soft key.

b. Press ▲▼ ◄ ► button to highlight the **Wi-Fi Wizard** icon. Press **OK**.

c. After taken to the **Site Survey** screen, press ▲ or ▼ button to highlight the SSID of the AP you're connecting to. Press center soft key **Link**.

d. Enter the security settings if the AP is secured. (Optional)

e. The phone will start connecting to the AP.

f. Press **OK** when asked "Save AP to a profile?"

g. Press ▲ or ▼ button to select a profile from the "Save AP Profile" list, press OK

Note: At completion there will be an AP signal strength icon at the upper left corner of the idle screen; your SIP phone number will be displayed in the center of the screen.

BASIC OPERATIONS

1. Switch the Phone On/Off

- To switch the phone on or off, press and hold the power key for at least 2 seconds. The phone will display the power on/off welcome screen.
- If the boot security function is active, after switching on the phone, enter the security code (default password: 0000) and press the confirmation key (OK). If the security code is correct, the power-on welcome screen will be displayed; otherwise Code Error will be displayed.

2. Screen Display

2.1.1 Layout

2.2. Wi-Fi Connection Status

No Service – Not connected to AP
Getting IP Address –Getting network configuration
Registering – Registering to SIP server
(SIP Profile Name/Phone Number) – Registered to SIP service

2.2.1 GSM Connection Status

SIM Card Absent – SIM card is not plugged in
No Service – Not connected to GSM service
Searching – Searching for GSM base station
Registration Denied – Registration to GSM service failed
(GSM Provider Name) – Registered to GSM service

2.3. Phone Status Icons

▨	- GSM signal strength	⌒	- Handset mode
≋	- Wi-Fi AP signal strength	⟳	- Alarm set
✉	- New message	⚿	- Keypad locked
☎	- Missed call	▭	- Battery charging
♺	- Ring mode		

2.4. Set Up Operation Mode

The MD6010 Dual Mode phone is able to standby under Wi-Fi mode or GSM Mode respectively; the 2 modes do not operate simultaneously:

a. Press Menu button.
b. Use ▲▼◄ ► button to select Phone Settings menu; press OK.
c. Use ▲▼ button to scroll to Operation Mode; press OK.
d. Select among the 2 operation modes; press OK.

Note: Depending on the GSM network condition, you may need to wait for 10~30 seconds; please be patient for the warning message to close.

3. Make a Call

Note: Prior to making or receiving Wi-Fi/VoIP calls, the phone must be connected to a wireless Access Point (AP) and registered with the SIP network.

3.1. Using the Keypad

a. You can enter phone number () or SIP URL at the entering line.
b. To delete a character to the left of the cursor, press **Clear**

soft button

c. Press ⌞⌍ to make a phone call.

3.2. Using the Phonebook

You can search the **Phonebook** by name to get the phone number/SIP URL and make a call. To enter **Phonebook Menu**,

a. In idle mode, press ▲ button
Or
b. In idle mode, press **Menu** soft button,
c. Press ▲ or ▼ button to highlight **Phonebook**, and then press **OK**.
d. Use ▲ or ▼ to select a Phonebook entry.
e. Press ⌞⌍ to make a phone call.

3.3. Using the Call History

You can search the **Call History** by pressing ▲ or ▼ to get the phone number/SIP URL and make a call. To enter **Call History Menu**,

a. In idle mode, press ▼ button
Or
b. In idle mode, press **Menu** soft button,
c. Press ▲ or ▼ button to highlight **Call History**, and then press **OK**
d. Use ▲ or ▼ to select a Call History entry.
e. Press ⌞⌍ to make a phone call.

3.4. Using Speed Dial

If you have assigned a phone number to one of the speed dial keys ⌜2ABC⌝ ~ ⌜9XYZ⌝ , you can quickly call that phone number:

a. In standby mode, press and hold the corresponding speed dial key to automatically call the number.
For details of speed dial settings, refer to Speed Dial Menu.

3.5. Cancel the call attempt

You can press ⤺ to end the call or to cancel.

4. Answer or Reject an Incoming Call

When there is an incoming call, you can press ⌁ to answer the call. Or you can press ⤺ to reject the call.

5. Operations During a Call

Refer to the table below for a list of options available during a call:

Option	Description
Mute	Mute microphone
Un-mute	Return to normal from mute status
End/Hangup	End the current call
Hold	Place the current call on hold
Unhold	Retrieve the current call from hold status
Accept	Answer another incoming call (call waiting), after answer the new incoming, the original call will be put on hold.
Reject	Reject another incoming call; the calling party receives a busy signal
Flash	Switch between the active call and the call on hold
Adjust Volume	Adjust listening volume
Phonebook	View the Phonebook
Call history	View the call history

5.1. Mute / Unmute

During the call you can mute/unmute microphone volume.
a. Press the **Mute** soft button, the microphone volume will be set to mute. The **Mute** soft button becomes **Unmute**.
b. To resume the volume, press the **Unmute** soft button. The **Unmute** soft button becomes **Mute**.

5.2. End Call

To end an ongoing call or the held call, press the red End Talk button or Hangup soft button.

5.3. Hold/Unhold

During the call, you can place it temporarily on hold. And, you can retrieve or end the held call.

a. Press the **Hold** soft button to place the call on hold. The **Hold** soft button becomes **Unhold**.

b. Press the **Unhold** soft button to take the call off hold. The **Unhold** soft button becomes **Hold**.

c. Press the End key to end the held call.

5.4. Answer/Reject

When another call comes in during a current call, the earpiece will sound a waiting tone. You can answer or reject the incoming third party call (call waiting).

a. To reject the incoming third party call and continue the current call, press the **Reject** soft button.

b. To hold the current call and answer the incoming third party call, press the Accept soft button.

After you answer the new call, the original call will be put on hold.

5.5. Swap (Switch Calls)

Press the **Flash** soft button to switch between the current call and the held call.

5.6. Adjust Volume

a. During a call, press Volume Up/Down side button to access the listening volume adjustment screen.

b. There are five volume levels. Press Volume Up to increase or Volume Down to decrease the volume. If the volume is at the highest level, the volume level will not change when Volume Up is pressed; if the volume is at the lowest level, the volume level will not change when Volume Down is pressed.

c. After completing the volume selection, wait for one second

to return to the call timer mode. The phone will save the adjusted volume level.

5.7. View Phonebook

During the call you can view **Phonebook** by pressing ▲ button.

5.8. View Call History

During the call, you can view **Call History** by pressing ▼ button.

MENU

The MD6010 Wi-Fi/GSM Dual Mode Phone offers 9 function groups from the main menu:

Phonebook	Call History	Browser
Sound Settings	Message	Fun Box
Organizer	Wi-Fi Wizard	Phone Settings
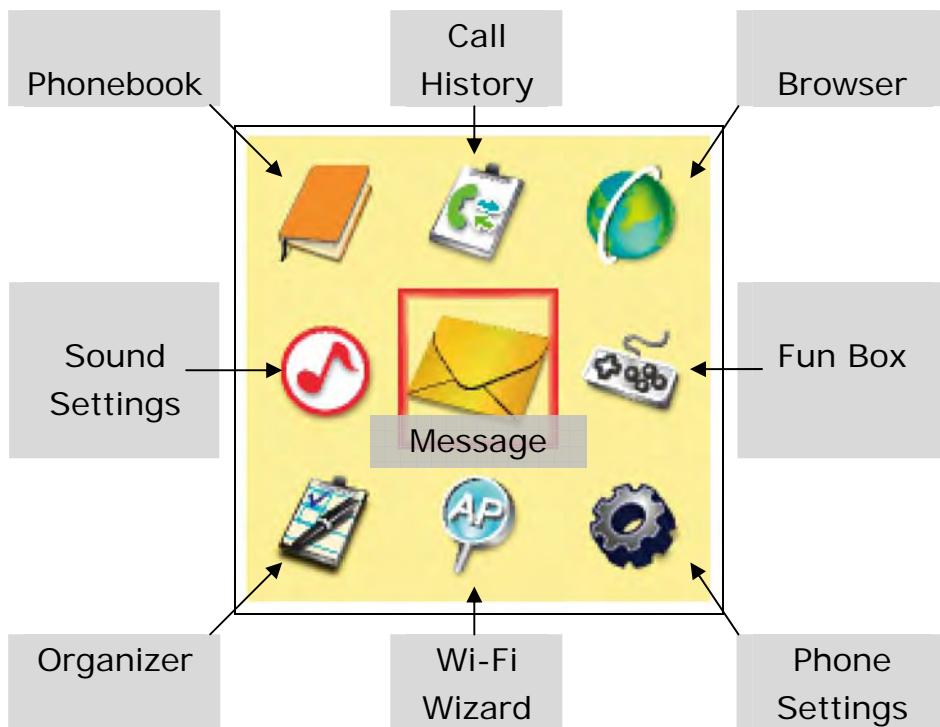
1. Phonebook

The Phonebook can store and display up to 200 contacts. Refer to the table below for a list of options available in the Phonebook:

Option	Description
Search Box	Allows you to search for a contact by name.
View Details	Allows you to view the detail information of currently selected contact.
Add	Allows you to add a new contact.
Edit	Allows you to edit the currently selected contact.
Delete	Allows you to delete the currently selected contact.
Delete All	Allows you to delete all of contacts.
Set Speed Dial	Allows you to assign up to eight phone numbers you frequently call to the number keys(2-9) on the phone
Dial	Allows you to call the contact.

Send Message	Allows you to send message to the contact.

1.1. View the Phonebook Menu

    a.   At the idle screen, press the **Contact** soft button.
    or
    b.   In idle mode, press **Menu** soft button,
    c.   Press ▲▼ ◀▶ button to highlight **Phonebook** menu, and then press **OK**

1.2. Search and View Details

    a.   In search box menu, press the key which corresponds to the first letter of the name for which you're performing a search,
    or
    b.   Use ▲ or ▼ to scroll through and highlight the contact,

    c.   Press **View** to view the details of the selected name.

1.3. Add

    a.   In **Phonebook** menu, press **Options** soft key
    b.   Use ▲ ▼ to select **Add** and press **OK**
    c.   Use ▲ ▼ to select following fields and press **Edit** to enter edit box
        1) Name
        2) Number
    d.   Key in according information then press **Set**
    e.   After finishing entering each field, press **Save** to store the entry.

1.4. Edit

    a.   Search for the entry as described in the previous section.
    b.   Press **Options** to enter sub-menu.
    c.   Scroll to **Edit** and press **OK**.
    d.   Use ▲ ▼ to select following fields and press **Edit** to enter edit box
        1) Name

2) Number

e. Edit information to your preference then press **Set**

f. After finishing editing each field, press **Save** to store the entry.

1.5.Delete/ Delete All

a. Search for the selected name as described in the previous section.

b. Press **Options** to enter sub-menu.

c. Scroll to **Delete** or **Delete All** and press **OK.**

d. Confirm the deletion at prompt message.

1.6.Dial

a. Search for the entry as described in the previous section and press **Talk.**

1.7.Send Message

a. Search for the entry as described in the previous section.

b. Press **Options** to enter sub-menu.

c. Scroll to **Send Message**, then press **Select.**

d. Create message, and press **Send** button.

1.8.Set Speed Dial

You can associate any contact in your Phonebook with the number keys (2-9) and then dial those entries by pressing and holding the assigned key.

a. Search for the entry as described in the previous section.

b. Press **Options** to enter sub-menu.

c. Scroll to **Set Speed Dial** and press **OK**

d. Scroll to desired number key (2-9) and press **Assign.**

2. Call History

The call history can store and list up to 30 calls you've recently missed, dialed, and received. When the number of calls exceeds the maximum, the most recent call replaces the oldest. There are 5

categories of Call History; refer to the table below:

Category	Description
Dialed No.	Displays a list of calls you've recently dialed.
Missed Call	Displays a list of calls you've recently missed.
Received Call	Displays a list of calls you've recently received.
Recent	Displays a list of all types of your recent calls.
Talk Time	Displays following information: a. Last Call Time b. Total Dialed Time c. Total Received Time

Refer to the table below for a list of options available to the Call History records:

Option	Description
View	Allows you to view the detail information of currently selected call log
Add to Phonebook	Allows you to save the currently selected call log to phonebook.
Delete	Allows you to delete currently selected call log
Delete All	Allows you to delete all of call logs
Send Message	Allows you to send message according to currently select.
Dial	Allows you to call the number

2.1. View Details

a. In **Call History** menu, use ◄ or ► to select desired category.
b. Use ▲ or ▼ to scroll to desired call log.
c. Press **OK.**
or
d. Press **Options** and choose **View**; press **OK** again.

Each call log displays following information:
1) Name
2) Phone Number
3) Date/Time

    4)   Call Time

2.2. Add to Phonebook

    a.   In **Call History** menu, use ◀ or ▶ to select desired category.

    b.   Use ▲ or ▼ to scroll to desired call log.

    c.   Press **Option** and choose **Add to Phonebook**; press **OK**

    d.   Edit and save details of contact information as described in previous section.

2.3. Delete

    a.   In **Call History** menu, use ◀ or ▶ to select desired category.

    b.   Use ▲ or ▼ to scroll to desired call log.

    a.   Press **Option** and choose **Delete**; press **OK**

    b.   Confirm deletion at prompt message

2.4. Delete All

    a.   In **Call History** menu, press **Option** then press **Delete All**

    b.   Confirm deletion at prompt message

2.5. Send Message

    a.   In **Call History** menu, use ◀ or ▶ to select desired category.

    b.   Use ▲ or ▼ to scroll to desired call log.

    c.   Press **Option** and choose **Send Message**; press **OK**.

    d.   Edit message then press **Send**.

2.6. Dial

    a.   In **Call History** menu, use ◀ or ▶ to select desired category.

    b.   Use ▲ or ▼ to scroll to desired call log.

    c.   Press **Options** and choose **Dial**; press **OK**.

or

    d.   Press **Talk** button.

*Note: You can also perform above actions (Dial, Send Message, Add to Contact, Delete/Delete All) by pressing **Options** when you're viewing the log details.*

2.7. View/ Reset Talk Time

This menu lets you view the time log for calls made and received.

a. In **Call History** menu, use ◄ or ► to scroll to **Talk Time** menu.

b. The following time logs are available:
   1) Last Connection: shows the length of your last call.
   2) Total Dialed: shows the total length of all calls you have made since the timer was last reset.
   3) Total Received: shows the length of all calls you have received since the timer was last reset.

To reset the call timer:

a. Press the **Reset** soft key

b. Confirm the reset at prompt message.

3. Browser

The MD6010 Dual Mode Phone is equipped with a micro browser for you to access and navigate web pages using your phone.

3.1. Accessing the Browser

To launch the micro browser:

a. Press **Menu** soft key.

b. Use ▲▼ ◄ ► to highlight the **Browser** icon. Press **OK** or **Select** soft key.

c. **Web Browser** menu comes up. Use ▲▼ to select a URL entry, or press **Option** soft key for the following options:
   1) **Add**: Create a new URL record (e.g. www.google.com)
   2) **Edit**: Edit the selected URL record.
   3) **Browse**: Launch the URL in browser.
   4) **Delete/Delete all**: Delete selected URL records or all records.

d. With the desired URL highlighted, press the green **Call** button to launch the browser page.

3.2. Using the Browser

The following options are available:

a. **Toolbar Functions:** Use ▲▼ ◀ ▶ to move cursor to the desired function, when a function is pointed by the cursor, press **navigation center key** to use the function:

1) **Back**: return to the previous page.
2) **Forward**: to retrace your steps and return to pages you visited before you use Back function.
3) **Home**: connect your phone to the network and load the homepage of the wireless web service provider.
   Note: The content of the startup homepage depends on your wireless web service provider. Authentication may be required.
4) **Stop**: stop loading the content of the page and any operation.
5) **Refresh**: re-load the content of the web page.

b. **Navigating:**
1) **Scroll**: use ▲▼ ◀ ▶ to point the cursor to the side and bottom scroll bar. Continue pressing the **navigation center key** to scroll the page.
2) **Select a Browser Item**: use ▲▼ ◀ ▶ to point the cursor to a browser item, which can be a hyperlink, a text box, a radio button, or a submit button.
3) **Activate a Browser Item**: after an item is being pointed by the cursor, press **navigation center key** to enable the item. If it is a hyperlink, it should take you to the according webpage; it if is a text box, the text cursor should appear and you can start entering text.

3.3. Exiting the Browser

The following options are available:
a. Press **Back** soft key to return to the **URL Menu**.

b. Use ▲ ▼ ◄ ► to point the cursor to the ❌ button and press **navigation center key.**

c. Press the red End Talk/Power button to go back to idle screen.

4. Sound Settings

The MD6010 Dual Mode Phone stores 4 sound profiles for different operation environment. You can change ring tone and settings on the profiles.

Refer to the table below for a list of options available in the Sound Settings menu.

Option	Description
Ring Type	Allows you to set the ring and vibration mode
Ring ID	Allows you to set the ring tone
Ring Volume	Allows you to adjust the ringer volume
Talk Volume	Allows you to adjust the talk volume
Key Tone Volume	Allows you to adjust the key tone volume
Message Alert Volume	Allows you to adjust the message alert volume

Refer to table below for the default values of the 4 sound profiles:

	Normal	Outdoor	Office	Silence
Ring Type	Ring Only	Ring and Vibrate	Vibrate Only	Silence
Ring Tone	Americana	Americana	Americana	Americana
Message Tone	Ding Done	Ding Done	Ding Done	Ding Done
Key Tone	On	On	Off	Off
Ring Volume	3	5	0	0
Key Tone Volume	3	5	0	0
Message Volume	3	5	0	0

4.1. Activate Sound Profile

a. In **Sound Settings** menu, use ▲ or ▼ to select profile name.

b. Press **OK** to activate the selected profile.

4.2. Personalize Sound Profiles

All settings in each sound profile can be personalized to your preference:

a. In **Sound Settings** menu, use ▲ or ▼ to select profile name.

b. Press **Options** and choose **Personalize**; press **OK**

c. Use ▲ or ▼ to select the items you desire to change; press **OK** to enter the sub-menu, and change settings accordingly.

4.3. Reset Sound Settings to Default Values

You can also reset the sound settings back to default values:

a. In **Sound Settings** menu, use ▲ or ▼ to select profile name.

b. Press **Options** and choose **Reset to Default**; press **OK**

5. Messages

The **Messages** menu allows you to read, edit, save and send text message. Refer to the table below for a list of options available in the **Messages** menu.

Message Box	Description
Inbox	Allows you to access received message.
Sent	Allows you to access sent message.
Draft	Allows you to save and access draft message.
Archive	Allows you to save and access messages that you wish to keep permanently.

Note: Together the 4 message boxes store up to 100 messages. When the maximum is reached, a warning message will display.

Option	Description
List	Allows you to view a list of message (Inbox/Sent/Draft/Archive)
View	Allows you to view the detail of a selected message (Inbox/Sent/Draft/Archive)
Write New	Allows you to create new message.
Send	Allows you send message (New/Draft)
Save	Allows you to save message to draft (New)

Edit	Allows you to edit draft message (Draft)
Reply	Allows you to reply message from inbox (Inbox)
Forward	Allows you to forward the selected message (Inbox/Sent)
Delete	Allows you to delete the selected message (Inbox/Sent/Draft/Archive)
Move to Archive	Allows you to move the selected message to archive box (Inbox/Sent)

5.1. List

Displays a list of messages in Inbox, Sent, Draft, or Archive box

a. In **Messages** menu, use ▲ or ▼ to select Inbox, Sent, Draft, or Archive box. Press **OK**.

5.2. View

a. In **Inbox/Sent/Draft/Archive** menu, use ▲ or ▼ to scroll to desired message.

b. Press **View.**

5.3. Write New

You can create a message up to 140 alphanumeric characters long.

a. In **Message** menu, press **Write New**, then press **OK** button.

b. Create the new message.

*The new message can be sent or saved afterwards. See **Send** and **Save** instructions respectively.*

5.4. Send

Allow you to send a) New message b) Draft message.

a. After finishing a new message, press **Send**, and select from a) From Phonebook b) Key in number.

b. Press **OK** to send.

or

c. In **Draft** menu, scroll to desired message.

d. Press **Options**, select **Send**, and select from a) From

Phonebook b) Key in number.
e.   Press **OK** to send.

5.5. Save

Allow you to save a new message to **Draft** box.
a.   After finishing a new message, press **Save**. The message will be saved to Draft box.

5.6. Edit

Allow you to edit a draft message.
a.   In **Draft** menu, scroll to desired message.
b.   Press **Options**, select **Edit**, to change the text in the draft message.
*Note: The message can be sent or saved afterwards. See **Send** and **Save** instructions respectively.*

5.7. Reply

a.   In **Inbox** menu, scroll to desired message.
b.   Press **Options**, select **Reply**.
c.   Enter text for the reply message.
d.   Press **OK** to send the reply to the sender of the original message.

5.8. Forward

a.   In **Inbox/Sent** menu, scroll to desired message.
b.   Press **Options**, select **Forward**, and select from a) From Phonebook b) Key in number.
c.   Press **OK** to send.

5.9. Delete

a.   In **Inbox/Sent/Draft/Archive** menu, scroll to desired message and press **Options.**
b.   Select **Delete**, and press **OK**.

5.10. Delete All

a. In **Inbox/Sent/Draft/Archive** menu, scroll to any message and press **Options.**
b. Select **Delete All**, and press **OK**.

5.11. Move to Archive

Allow you to move a message you wish to keep to the Archive box.
a. In **Inbox/Sent** menu, scroll to desired message.
b. Press **Options**, and select **Move to Archive**.
c. Press **OK** to move the selected message to the **Archive** box.

6. Fun Box

See below table for the functions offered in the **Fun Box** menu.

Option	Description
Game	Allows you to play games on the phone
IPTV (MD6030 only)	Allows you to watch IPTV programs on the phone

6.1. IPTV (MD6030 only)

Allow you to watch IPTV program broadcasted by the service provider.
a. In **IPTV** menu, scroll to desired channel profile.
b. Press **Edit**, and enter the following information for the channel:
   1) **Profile Name**: A name for you to recognize the channel.
   2) **IP address**: IP address of the RTSP broadcast server.
   3) **Port**: Port number of the RTSP broadcast server.
   4) **Channel**: Channel number (or text string) on the broadcast server.

or

c. Press **Play** to watch the program broadcasted on the selected channel.

7. Organizer

See below table for the functions offered in the **Organizer** menu.

Option	Description
Calendar	Offers the view of a monthly calendar
Alarm	Allows you to set up the alarm function

7.1.Calendar

Allow you to view the calendar and keep track of your schedule.
a. Press **Menu** soft key.
b. Use ▲▼ ◄ ► to highlight the **Organizer** icon. Press **OK**.
c. Use ▲▼ to highlight **Calendar**; press **OK**.
d. Use ▲▼ ◄ ► to move cursor to the **Year/Month** area, when the left or right arrow is pointed by the cursor, press **navigation center key** to change the calendar to the desired year/month.
e. Press red End Talk/Power button to return to idle screen when finished.

7.2.Alarm

Allow you to set alarm clock to keep track of your schedule.
a. Press **Menu** soft key.
b. Use ▲▼ ◄ ► to highlight the **Organizer** icon. Press **OK**.
c. Use ▲▼ to highlight **Alarm**; press **OK**.
   1.) **Alarm Use**: Activate/inactivate the alarm.
   2.) **Alarm Time**: Enter the time for the alarm to ring.
   3.) **Alarm Type**: Select ring tone for the alarm.

8. Wi-Fi Wizard

Wi-Fi Wizard takes you through steps of searching and connecting to the Wi-Fi Access Points available in the environment. It also guides you to save the settings of the Access Points in your phone, which allows the phone to automatically connect to the Wi-Fi Access Point when you enter its coverage area the next time.

a. Press **Menu** soft key.
b. Press ▲▼ ◄ ► button to highlight the **Wi-Fi Wizard** icon. Press **OK**.
c. After taken to the **Site Survey** screen, press ▲ or ▼ button to highlight the SSID of the AP you're connecting to. Press center

soft key **Link**.

d. Enter the security settings if the AP is secured. (Optional)

e. The phone will start connecting to the AP.

f. Press **OK** when asked "Save AP to a profile?"

g. Press ▲ or ▼ button to select a profile from the "Save AP Profile" list, press OK.

9. Phone Settings

Use the **Phone Settings** menu to make changes to set the date and time, network settings, and personalize your phone. Refer to the sections below for the options available in the **Phone Settings** menu.

Option	Description
Operation Mode	Allows you to select from 2 operation modes: a. Wi-Fi Mode b. GSM Mode
Call Forward	Allows you to change settings of the call forward functions.
GSM Call Forward	Allows you to change settings of the GSM call forward functions.
Time/Date	Allows you to set your phone's Time/Date
Auto Key Lock	Allows you to enable key lock function
Display	Allows you to make changes to display settings
Security	Allows you to make changes to the security settings
Site Survey	Allows you to search and connect to Wi-Fi Access Points in the environment
Network	Allows you to make changes to the AP profiles and SIP profiles
GSM PIN Setting	The settings protect the phone from unauthorized use.
Factory Default	Allows you to reset settings on the phone to the factory default values
Language	Allows you to select display language of the phone
Utilities	Provides Ping function and displays system information

9.1. Operation Mode

The **Operation Mode** menu allows you to change the following 2 operation/standby modes:

✓ Wi-Fi Only
✓ GSM Only

Note: The 2 modes do not operate simultaneously.

a. Press **Menu** button.
b. Use ▲▼◄► button to select **Phone Settings** menu; press OK.
c. Use ▲▼ button to scroll to **Operation Mode**; press **OK**.
d. Select among the 2 operation modes; press **OK**.

Note: Depending on the GSM network condition, you may need to wait for 10~30 seconds; please be patient for the warning message to close.

9.2. Call Forward

This function re-routes incoming calls to a phone number that you specify.

a. In **Phone Settings** menu, scroll to **Call Forward**, and press **OK**.
b. Use ▲▼ button to select **Call Forward Number**; press **OK**.
c. Enter the phone number you wish the calls to be forwarded to; press **Set**.
d. Use ▲▼ button to select **Call Forward Type**; press **OK**.
e. Select from the following options:
   • **No Forward**
   • **Forward All**
   • **When Busy**
   • **When No Answer**
f. Press **Set** to activate the option.

9.3. GSM Call Forward

This function re-routes the GSM incoming calls to a phone number that you specify under each condition.

a. In **Phone Settings** menu, scroll to **GSM Call Forward**,

and press **OK**.
b.   Select from the following options:
   - **Unconditional**
   - **When Busy**
   - **No Reply**
   - **Not Reachable**
   - **Reset to No Forward**

c.   Enter the phone number you wish the calls to be forwarded to; press **Set**.
d.   Use ▲▼ button to select **Forward Enable** and press **OK**.

9.4. Time/Date

The **Time/Date** menu allows you to change your IP phone's time & date. Refer to the table below for a list of options available in the **Time/Date** menu.

Option	Description
Set Date and Time	Allows you to set date/time of the phone
Date Format	Allows you to select a date format (DD MM YYYY, MM DD YYYY, YYYY MM DD)
Time Format	Allows you to select a time format (12-hour or 24-hour)

9.5. Auto Key Lock

Once the **Automatic Key Lock** function is enabled, the keypad will lock automatically after the handset is not in use for 10 seconds. To unlock the keypad, press the **Left** Soft Key then press the ***** (Star) key.

9.6. Display

The Display menu allows you to customize the phone's display. Refer to the table below for a list of options available in the Display menu.

Option	Description
Brightness	Allows you to change the brightness of the LCD screen.

Power Saving	Keep Power Saving option on for the maximum battery operating time. Turn this feature off to use PC Sync function.
Wallpaper	Allows you to change the picture displayed on the home screen.

9.7. Security

The security function sets the boot password of the phone to prevent unauthorized use of your phone.

a. Use ▲▼ button to select **Security** menu; press **OK**.

b. Use ▲▼ button to scroll to **Boot Password Enable**; press **OK**. Enable the function by setting **On/Off**.

c. Select **Set Password** and press **OK**. Enter/Change the password and press **Set**.

9.8. Site Survey

The Site Survey function scans the available Wi-Fi Access Points in the environment.

a. Use ▲▼ button to select **Site Survey** menu; press **OK**.

b. Use ▲▼ button to select the desired Access Point.

c. Press **View** to view following information of the selected AP.

   1.) SSID
   2.) Channel number
   3.) BSSID
   4.) Signal strength
   5.) Security mode

d. Press Save to save the selected AP to an AP Profile.

9.9. Network

The **Network** menu allows you to make changes to your SIP account profiles, AP profiles, IP setting, and display your network statistics. Refer to the sections below for the options available in the Network menu.

9.9.1 SIP Profile

The SIP Profile menu allows you to assign up to four SIP accounts to your IP Phone. To edit a SIP account, highlight the account you would like to edit, press the **Select** Soft Key to edit the account. Refer to table below for a list of options available in the SIP Profile menu:

Option	Description
Activate	Allows you to activate currently selected SIP profile
Profile Name	Allows you to specify the name of the profile
User Name	Allows you to enter your user name.
Registrar	Allows you to enter your registrar's IP address, port number and SIP domain
Authenticate	Allows you to enter your Internet phone service account's authorization ID and password.
Subscription Time	Allows you to change the amount of time the IP Phone waits between subscription attempts with the SIP server.
Registration Time	Allows you to change the amount of time the IP Phone waits between registration attempts with the SIP server.
Audio Setting	Allows you to select Auto, G.711 u-law, G.711 a-law, G.723, or G.729 as the codec the phone uses for encoding and decoding audio.
DTMF signaling	Allows you to select from the following DTMF signaling modes: In-band, Info, RFC2833, None
Proxy Server	Allow you to set SIP proxy server
NAT Traversal	Allows you to configure following NAT Traversal options: STUN enable, IP Address, Port Number

9.9.2 AP Profile

The AP Profile menu allows you to assign up to seven wireless access points for your IP Phone to connect to. To edit a profile, highlight the AP profile you would like to edit, then press the **Select** Soft Key. Refer to table below for a list of options available in the AP Profile menu:

Option	Description
Activate	Allows you to activate the selected AP profile as current profile
Profile Name	Allows you to specify the name of the profile
SSID	Allows you to enter your wireless network's ESSID name.
Security Mode	Allows you to select wireless security settings to match your network: Open, WEP, WPA-PSK, WPA-EAP
HTTP Authentication	Allows you to set the HTTP authentication function.
WEP Key	Allows you to enter the WEP security key
WPA PSK Key	Allows you to enter the WPA PSK security key
WPA-EAP ID	Allows you to enter the WPA-EAP ID
WPA-EAP PW	Allows you to enter the WPA-EAP password
HTTP Auth. ID	Allows you to enter the HTTP authentication ID
HTTP Auth. PW	Allows you to enter the HTTP authentication password

9.9.3 IP Setting

Option	Description
DHCP On/Off	Allows you turn on/off DHCP
IP Address	Allows you to view/enter(DHCP off only) IP address
Subnet Mask	Allows you to view/enter(DHCP off only) IP mask
Default Gateway	Allows you to view/enter(DHCP off only) default gateway address
Domain Name Server	Allows you to view/enter(DHCP off only) DNS address

9.9.4 Information

Option	Description
DHCP	Allows you to view the DHCP setting
MAC Address	Allows you view your IP phone's MAC address
IP Address	Allows you view your IP phone's current IP address
Associated AP	Allows you view the SSID of the AP your phone is currently connected to

Associated BSSID	Allows you view the MAC address of the AP your phone is currently connected to

9.10. GSM PIN Setting

▪ PIN Lock Enable: The 4- to 8-digit PIN protects your SIM card against unauthorized use. When the function is enabled, each time the phone is switched on it will ask for the PIN.

▪ GSM PIN1 Code Set: The PIN Check function must be enabled to use this feature.

▪ GSM PIN2 Code Set: In order to use this function, your SIM card must support PIN2 feature.
Note: If you enter an incorrect PIN/PIN2 three times, the SIM card is disabled. To enable, you need to enter your PUK/PUK2 (Personal Unblocking Key). The keys are supplied by your network operator.

9.11. Reset to Factory Default

This function allows you to reset the following phone settings to the factory default value.

▪ SIP Profile

▪ WLAN Profile

▪ Browser Profile

▪ Sound Profile

▪ Handset Setting

9.12. Language

This function allows you to select the display language of the phone.

9.13. Utilities

Utilities provides following two functions:

9.13.1 Network Ping

User can enter an IP address to perform network ping function.

9.13.2　System Information

Provides following information:
- Software Version
- Serial Number
- IMEI (International Mobile Equipment Identity)
- USB IP Address

PC SYNC FUNCTION

The MD6010 Dual Mode Phone offers a PC Sync function to allow you synchronize the following profiles between the phone and your personal computer:
- Phonebook records
- AP Profiles
- SIP Profiles

Before using this function, you need to install the following two components to your personal computer:
- ✓ MD6010 USB Driver
- ✓ PCSync Client Application

Installing USB Driver
a. Before you connect your MD6010 Dual Mode Phone to your PC, enter **Phone Setting** menu, then enter **Display** settings, select **Power Saving**, and turn this feature **Off**.
b. Insert the MD6010 Utility CD to your PC.
c. Use Mini USB 2.0 Cable (A to mini B) to connect your MD6010 Dual Mode Phone to the USB port of your PC.
d. Follow the **Found New Hardware Wizard** and select your CD-drive as the destination of driver files.
e. Press **Continue Installation** when asked if you want to install "ATMEL Athena C902 USB" driver.

Installing PCSync Client Application
a. Browse the MD6010 Utility CD and go to \\PCSync folder. Double click on installer file "setup".
b. Follow the instructions of PCSync InstallShield Wizard.

Using PCSync Client Application
a. Browse All Programs list. Launch "PCSync Utility" under "PCSync" directory.
b. The application launches. Press **Connect** for connecting to the MD6010 Dual Mode Phone.
   Note: Always connect to the phone first before any editing of the

profiles.

c. By this time, you will see the current profile information of the phone. Now, you can add a **New** profile, or **Edit**, **Delete** a selected profile.

Phonebook List/Edit Phonebook
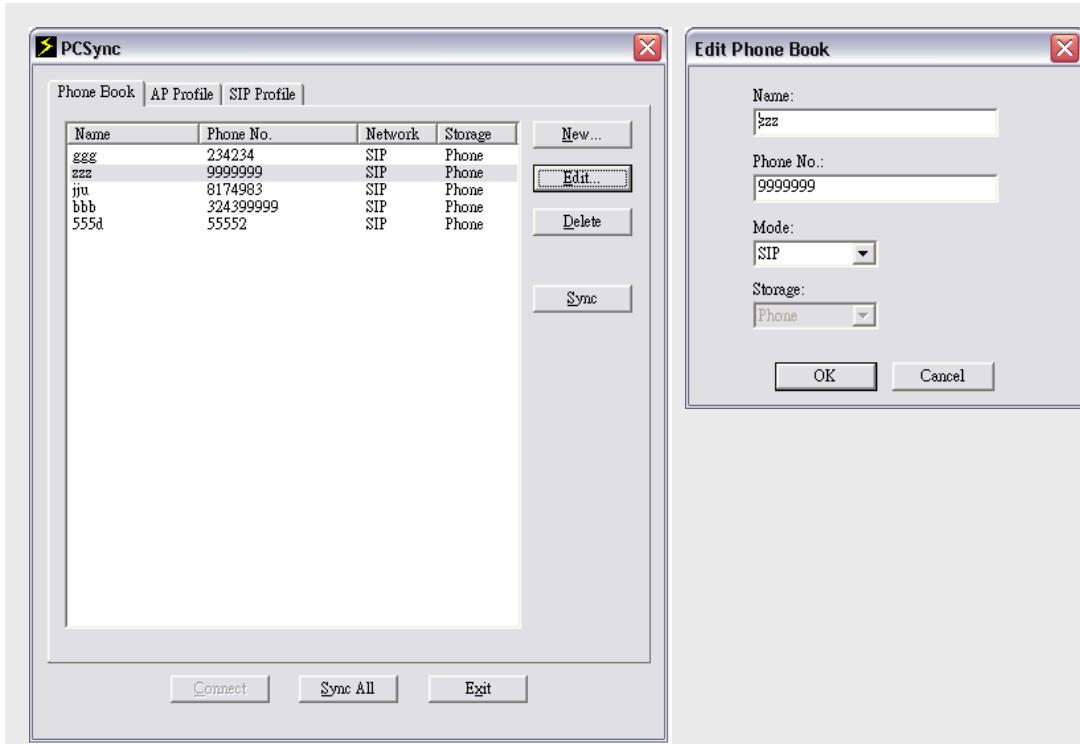
AP Profile List/Edit AP Profile
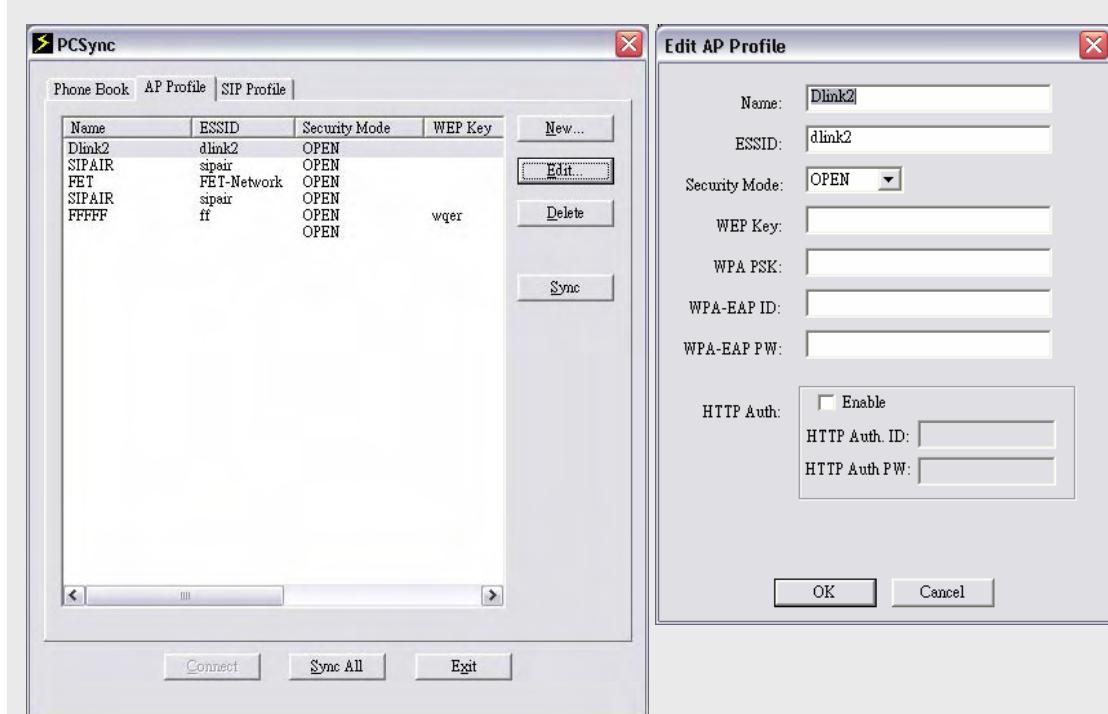
SIP Profile/Edit SIP Profile
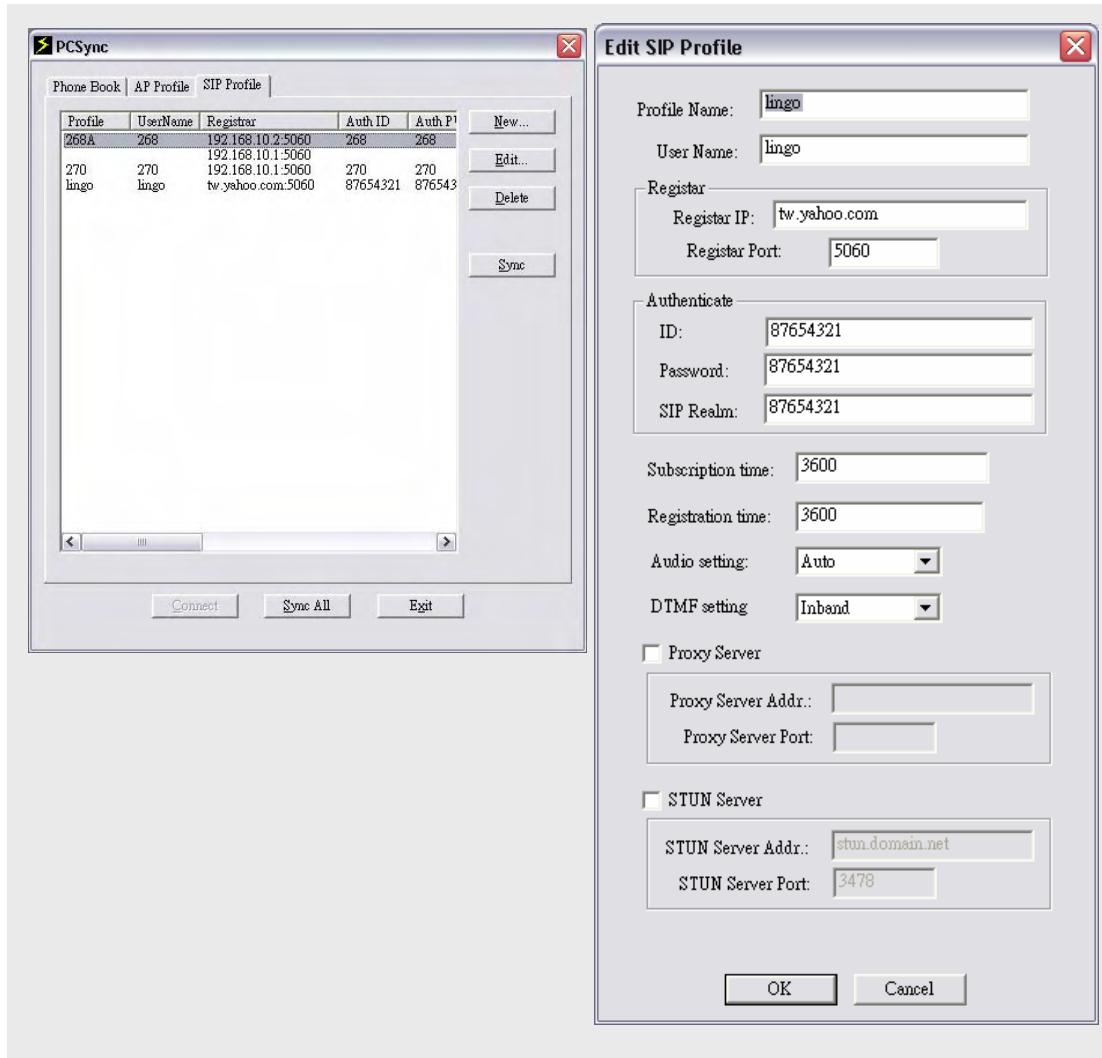
d. After you're done with the modification, press **Sync All** to update the phone with the latest profile information.

ENTERING TEXT

Use **#** sign to switch between input modes:
- "**a**" indicates the character mode
- "**1**" indicates the number mode
- "**~**" indicates special characters mode:
  - ⇨ Key_1: " ' [ ] < > ( ) { }
  - ⇨ Key_*: * = + - / , : ;
  - ⇨ Key_0: @ . <space>
  - ⇨ Key_9: # $ % & \ ^ _ ~ ` |

For character mode and special character mode, press a number key (1-9) repeatedly until the desired character appears. If the next letter is located on the same key as the present one, wait until the cursor appears, and enter the letter.

SHORTCUT KEYS

Shortcut Key	Destination/Function
Talk	Call History
Navigation Up	Phonebook; first record selected
Navigation Down	Call History; first record selected
Navigation Left, HS idle	Message edit box
Navigation Right, HS idle	Message edit box
Navigation Center, HS idle	(NA)
Volume key, HS idle	Ring volume control; HS plays selected melody
Network Info key (Right side key), HS idle	Displays network information
Press ✳ key for 2 seconds	Keypad will be locked

TROUBLESHOOTING

This section provides solutions to problems that might occur during the IP Phone installation and operation, as well as answers to the frequently asked questions.

Problems Starting-Up

Symptom	Diagnosis	Solution
The battery does not charge.	Is the charger properly connected to the phone?	Connect the charger and the phone correctly.
	Is the charger connected to a 100-240V AC wall outlet?	Connect the charger to a 100-240V AC wall outlet correctly
The phone does not turn on.	Have you pressed and held the power button for more	Press and hold the power button for more than 3

	than 3 seconds?	seconds.
	Is the battery low?	Charge the battery.
	Is the battery connector reversed?	Insert the battery correctly.
Site Survey does not find my AP.	Is SSID broadcasting disabled on your AP?	Enable your AP's SSID broadcasting.
	Is the phone within the range of the AP?	Move to the AP's range.

Problems Using the Keypad

Symptom	Diagnosis	Solution
The phone is on but the keypad does not work.	Have you locked the keypad?	Press the Left soft key and press * key to unlock.

Problems Making Calls

Symptom	Diagnosis	Solution
Cannot make calls	Is the phone connected to an AP and registered with the service network?	Reference "Set up the Wi-Fi IP Phone" and ensure the Wi-Fi settings are correct.
	Is the phone outside of the AP's range? Is there sufficient signal strength?	Move closer to the AP for better signal.
	Is the phone number correct?	Enter the correct phone number to make calls.

Problems Receiving Calls

Symptom	Diagnosis	Solution
Phone does not ring	Is the ring mode of the current profile set to Vibrate or Silence?	Reference "Menu/Ring Tone Profile" and correct the ring mode setting.

Error Messages

Message on main screen	Diagnosis	Solution
No Service	Is the phone connected to an AP and registered with	Reference "Set up the Wi-Fi IP Phone" and

	the service network?	ensure the Wi-Fi settings are correct.
Getting IP Address…..	Is DHCP enabled for the phone, or has an IP address manually entered for the phone?	Reference "Menu/Phone Settings/Network/IP Settings" to check IP settings.
Registering…..	Have all SIP settings been entered correctly?	Reference "Set up the Wi-Fi IP Phone/Set up SIP registration" and check if all the settings match the information provided by your service provider.

SPECIFICATION

Wireless Characteristics

WLAN Type

    802.11b/g

WLAN Operating Frequencies

    USA/Canada: 2.412 MHz – 2.462 GHz (11 channels)

    Europe: 2.412 – 2.472 GHz   (13 channels)

    Japan: 2.412 – 2.472 and 2.484 GHz (14 channels)

GSM Triple Band

    850/1800/1900, 900/1800/1900

Network Characteristics

Security: WEP 64/128, WPA-PSK, MD5 for SIP Authentication

NAT Traversal: STUN (RFC3489), Outbound Proxy

IP Assignment: DHCP, Static IP

Dual Operation Mode

Wi-Fi Mode

GSM Mode

Performance Characteristics

Battery

    3.7v, 1200mAh Li-on

Wi-Fi Operation Range

    Outdoor: 300m. Indoor: 75m

Voice Characteristics

VoIP Protocol: SIP (RFC 3261)

Codec: G.711u-law, G.711a-law, G.729 a/b

DTMF: In-band, Out-band (RFC 2833)

Video Features

Soft-DSP MP4 module – for IPTV or multimedia-over-IP applications

(MD6020/MD6030 only)

Physical Characteristics

Phone: Bar Type Design

Antenna: Embedded

Dimension: 113.5 * 51.6 * 17.4 mm

Weight: 180g w/ battery

AC Adaptor: Input AC 100-240V 50-60 Hz,

Output DC 5V 1000mA

LCD Display: 2.2" TFT Color, 16-bit 65,536 colors, 176*220

Keypad: 24 Keys

Environmental Characteristics

Operating Temperature: 0 ~ 45 °C

Storage Temperature: -20 ~ 60 °C

Operating Humidity: 20% ~ 80%

Regulatory

EMI/RFI: FCC Part 15 Class B, CE Class B,

VCCI Class B, TELEC, EN60905

Specification is subject to change without further notice.

ABOUT THIS MENU

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CONTACT INFORMATION