MACRONIX MCX-608

CONNECTING THE WORLD

GSM900/DCS1800/PCS1900
Tri-Band Cellular Phone

User Guide

Body-worn RF exposure statement:

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5 cm must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. Third-party belt clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 1.5 cm separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

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Safety Overview

These simple rules will keep you safe. Breaking them can be illegal or dangerous.

In General: Never switch on your phone when wireless phone use may cause danger or interference, or when it is prohibited.

Blasting: Don't use the phone near where blasting is in progress.

Road: Never use a handheld phone while driving or riding a bike.

Hospitals: Turn off near medical equipment. Follow local rules.

Aircraft: Always turn off in aircraft, as wireless devices can interfere with the plane's autopilot system and even cause crashes.

Gas Stations: Always keep your phone turned off when you are near a refuelling point. Do not use it near fuels or chemicals.

Water: Your phone is not water-resistant, so keep it dry.

Qualified Service: Only qualified personnel should repair your phone.

Batteries and Accessories: Use only approved batteries and accessories. Don't connect incompatible devices.

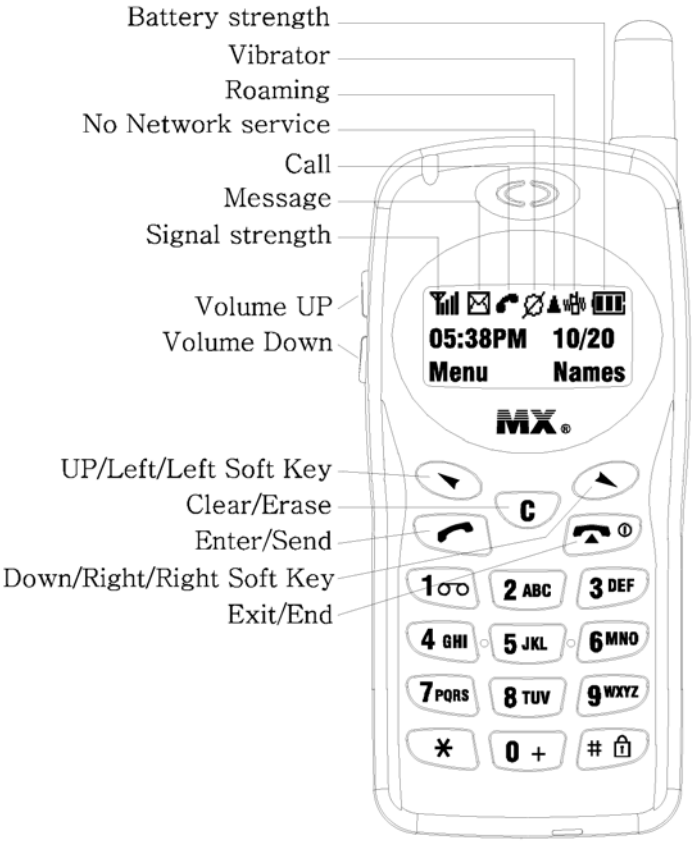
Backups: Keep backup copies of all important data.

Connections: When connecting to other devices, read their user guides for safety guidelines. Don't connect incompatible devices.

Emergency calls: Make sure the phone is turned on. If the phone can camp on any SOS networks, you can make the emergency call without a SIM card and without entering a PIN number. Simply dial 911, or whatever the emergency code is in the area you are in.

Diagram of your Phone

This is an image of your phone, with its parts labelled.



Parts of the phone

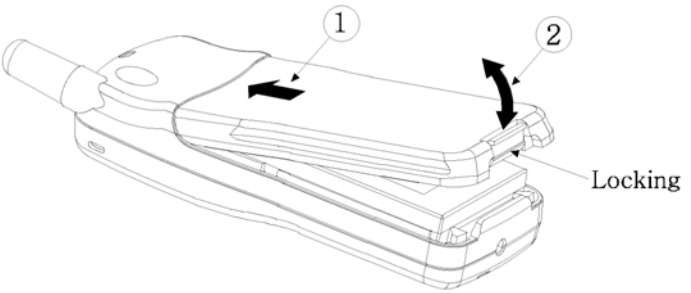
Left Arrow or Up Arrow key: just under the screen on the left side of the phone. Moves up to the next menu entry.
Right Arrow or Down Arrow key: just under the screen on the right side of the phone. Moves down a menu.
Clear (C) key: just under the screen in the center of the phone. Acts like a Backspace or Delete key when typing. Also, you can use it to toggle the top center of the display between Cell Phone Indicator Icons and the Service Provider Name.
End key: on the right side of your phone, just under the Down Arrow Key. The End key has a symbol of a phone sitting on its cradle. Its functions are: End, Exit, Stop, Cancel. Pressing and holding it for two seconds turns your phone On or Off.
Send key: on the left side of your phone just under the Up Arrow key. The Send key's functions are Send, Yes, Enter, Select.
One (1) key: This is a voice mail speed key. Pressing and holding this key takes you to voicemail when the voicemail speed key is enabled.
Keypad Lock (#) or Pound key: This key locks your keyboard, so that inadvertent pressing of keys won't cause problems.
Volume keys: around on the left side (or edge) of the phone. When a call is in progress, you can use these keys to adjust the listening volume. When you have an incoming call that you have not yet answered, you can use them to adjust the ring tone volume. When a call is not in progress, you can use them to adjust the volume of the key tone.

Quick Start Guide

If the SIM card and battery are already installed in your phone, go to step E.

A. Remove the Phone's Back Cover

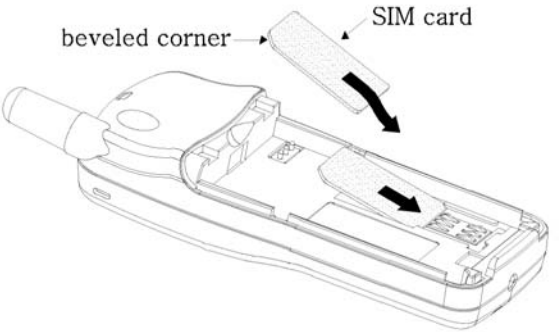
Press in the plastic latch at the bottom rear of the phone. Lift the cover upward. Note: always keep the cover on when using or storing the phone.



B. Install the SIM Card

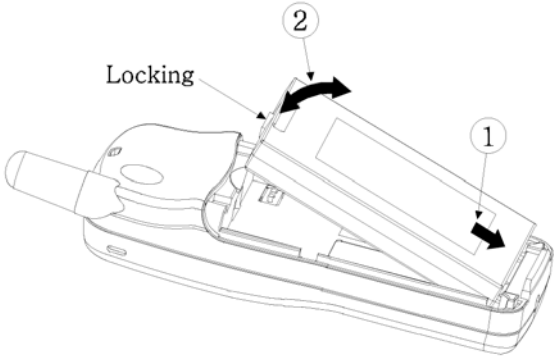
IMPORTANT: Before you install the SIM card, switch off your phone by holding down the End key for 2 seconds.
If the battery is in place in the phone, you will need to remove the battery to access the SIM slot.
With the back of the phone upright, find the SIM slot.
Position the bevelled corner on the right, gold area down.
Install the SIM card by sliding it gently into the slot.

Note: The SIM card is easily damaged by bending or scratching, so use care in handling it. Keep the SIM card away from small children.



C. Install the Battery

Place the battery in the compartment with the label side facing up and the gold contact area aligned with the contact prongs in the phone. Line up the two catches with the holes in the bottom of the battery bay, then push the top of the battery in until it clicks. (To remove the battery, press down on the plastic latch at the top of the battery and lift up.)

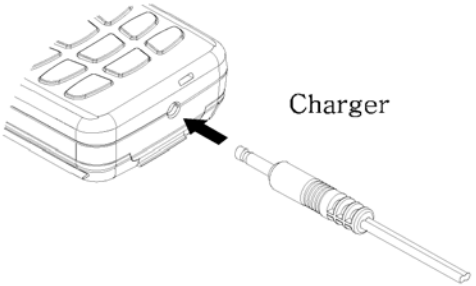


D. Replace the Phone's Back Cover

Position the back cover over the locking catches on the phone.
Press on the back cover until it locks into place.

E. Charge the Battery

Plug in the charger to the phone and a wall outlet.
Wait 3.5 hours.
Remove the phone from the charger.
(For more information on the battery, see Reference Information...The Battery, at the end of this manual.)



F. Turn On the Phone

Press and hold in the End key. (Found on the right side of the MCX-608, this key has a symbol of a phone sitting on its cradle.)
Hold the End key in 2 seconds, then release it. If PIN1 is required, enter it, followed by the Send (or “#”) key. You can then toggle between Cell Phone Indicator Icons and the Service Provider Name using the C (Clear) key.

G. Make a Call

Key in the number (with area code if necessary). Press the Send key to call. To make an international call, press and hold the zero key to get a “+” sign, the international dialling prefix. Then enter the country code, area code, and phone number.

H. Answer a Call

Your phone is ringing. Press the Send key to answer the call. Hold the earpiece to your ear and speak normally.

How to use this guide

Get familiar with:

- The diagram of the phone
- The names of the parts of the phone
- The words used for actions you do to the phone (see diagram)

This will help you understand the directions that follow throughout the rest of this manual.

Terms for actions you do to the phone:
Press, or push, means to quickly press and then release a key.
Press and hold, or Push in and hold, means to press in the key and hold it for two or three seconds, or until the feature being used is activated, and then release the key.
A dark bar indicates that a given option is highlighted.
Scroll means move up and down in the menus using the arrow keys. The up and down arrow keys are also used when selecting menu options, that is, to select an option, use the arrow keys to scroll until the option is highlighted, then press the Send key. From the Start screen, the up arrow enters the Menu, and the down arrow enters the Names menu.
The Send key (whose functions are Send/Talk/Select) acts on the highlighted option. For simplicity, we will refer to this key as the Send key. The Send key has a symbol on it depicting a phone lifted off the receiver. The Send key is also used to place a call or answer an incoming call.
The End key is the End/Cancel/Unselect key. For simplicity, we will refer to it as the End key. It's symbol depicts a phone sitting on its receiver hung up. The end key is used to end a call, to unselect a selected menu option.
A scroll bar at the right of the screen tells you where you are in each menu and submenu.

Key	Characters
1	Blank, (,), 1
2	A, B, C, 2
3	D, E, ,F, 3
4	G, H, I, 4
5	J, K, L, 5
6	M, N, O, 6
7	P, Q, R, S, 7
8	T, U, V, 8
9	W, X, Y, Z, 9
0	0 - # = ? $ & % / * . , ; : < + £ §
#	Change Mode (ABC, abc, eZiText)
*	* In eZiText mode: pick the word that the phone has guessed.

Entering Letters and Numbers

You can enter letters and numbers into your phone for a person's name and phone number, writing a text message, etc. The pound (#) key toggles from uppercase mode to lowercase mode to eZiText mode. In eZiText mode, your phone tries to predict what word you are entering and fill in the rest of it. If the phone guesses wrong, just keep entering the word correctly, because your keystrokes override the phone's guesses. To pick the word that the phone has guessed, press the * key. See also Reference Information...Entering Text, in the back of this manual.

To enter letters: find the key that has the letter you want on it. Press the key repeatedly until the letter you want appears on the screen.

Depending on the selected display language, the following characters may be available:

Note: When you are dialing a call, you can get the "+" sign by holding down the zero key. For more information, see 10.6, eZiText.

Navigating the Menu

Navigating through the menu quickly becomes intuitive. For purposes of explanation, your phone's navigation is best simplified. All you really need to do is use the following steps as they come up:
Scroll with the arrow keys until what you want is highlighted
Select it with the Send key
Type letters using the keyboard
Cancel typed letters using the C (Cancel) key
Cancel or back up a step using the End key.

Take a common situation. Suppose you want to look at the Call Log, and add a missed number to the Phone's memory. You could use the sequence:
Menu>Call Log>Missed Calls, select a number, Option>Save>Add to Phone.

The sequence above is simple and very understandable, and corresponds exactly to the menu chart given in the section of this manual that follows. Therefore we will continue to explain things using similar sequences and menu charts. It is better not to list all the button pushes, as they would only be confusing. For example, in reality, the sequence above would look like the following table.

Sequence to add a Missed Call to phone's memory:	
Keystroke	What it does
Up Arrow	selects Menu
Send	selects Call Log
Any Arrow	scrolls to Missed Calls
Send	selects Missed Calls
Send	selects a phone number
(Pushing Send again at this point would dial the number)	
Up Arrow	selects Option
Any Arrow	scrolls to Save
Send	selects Save
Any Arrow	scrolls to Add To Phone
Send	selects Add To Phone
(Phone number is displayed)	
Send	saves phone number
Enter a name for the number	using keypad letters
Send	save name
End	to Exit.

Menu Shortcuts

Use the menu numbers listed under “Shortcut.” For example, in place of the above sequence, you could press 1>3>1.

Menu

Menu Entry Shortcut

1. Call Log 1
   - Dialed Calls ..... 1>1
     - Save .....
       - Add to SIM .....
       - Add to Phone .....
     - Erase .....
     - Erase all .....
   - Received Calls ..... 1>2
     - Save .....
       - Add to SIM .....
       - Add to Phone .....
     - Erase .....
     - Erase all .....
   - Missed Calls ..... 1>3
     - Save .....
       - Add to SIM .....
       - Add to Phone .....
     - Erase .....
     - Erase all .....
2. Messages 2
   - Inbox ..... 2>1
     - Erase .....
     - Reply .....
       - Save .....
       - Send .....
       - Send & Save .....
     - Edit/Forward .....
       - Save .....
       - Send .....
       - Send & Save .....
     - Details .....
     - Save Number .....
       - Add to SIM .....
       - Add to Phone .....
   - Outbox2>2
     - Erase .....
     - Edit/Forward .....
       - Save .....
       - Send .....
       - Send & Save .....
   - Send Msg ..... 2>3
     - Save .....
     - Send .....
     - Send & Save .....
   - Voice Mail ..... 2>4
     - Call Voice Mail ..... 2>4>1
     - Set Voice Mail ..... 2>4>2
   - Options ..... 2>5
     - SMS Notify ..... 2>5>1
     - CBMS On/Off ..... 2>5>2
     - Msg Setting ..... 2>5>3
       - Service Center .. 2>5>3>1
       - Expiry Period .... 2>5>3>2
         - None ..... 2>5>3>2>1
         - 1 Hr ..... 2>5>3>2>2
         - 6 Hr ..... 2>5>3>2>3
         - 24 Hr ..... 2>5>3>2>4
         - 1 Wk ..... 2>5>3>2>5
         - 4 Wk ..... 2>5>3>2>6
3. Call Options 3
   - Call Divert ..... 3>1
     - All Calls ..... 3>1>1
       - Activate ..... 3>1>1>1
       - Cancel ..... 3>1>1>2
       - Status ..... 3>1>1>3
     - Busy ..... 3>1>2
       - Activate ..... 3>1>2>1
       - Cancel ..... 3>1>2>2
       - Status ..... 3>1>2>3
     - No Reply ..... 3>1>3
       - Activate ..... 3>1>3>1
       - Cancel ..... 3>1>3>2
       - Status ..... 3>1>3>3
     - Unreachable ..... 3>1>4
       - Activate ..... 3>1>4>1
       - Cancel ..... 3>1>4>2
       - Status ..... 3>1>4>3
     - Cancel Divert ..... 3>1>5
   - Call Barring ..... 3>2
     - Change Bar Pwd ..... 3>2>1
     - Outgoing Calls ..... 3>2>2
       - Activate ..... 3>2>2>1
       - Cancel ..... 3>2>2>2
       - Status ..... 3>2>2>3
     - Intl Out Calls ..... 3>2>3
       - Activate ..... 3>2>3>1

Cancel ..... 3>2>3>2
Status ..... 3>2>3>3
Incoming Calls ..... 3>2>4
Activate ..... 3>2>4>1
Cancel ..... 3>2>4>2
Status ..... 3>2>4>3
Inc When Roam ..... 3>2>5
Activate ..... 3>2>5>1
Cancel ..... 3>2>5>2
Status ..... 3>2>5>3
Intl Expt Home ..... 3<2<6
Activate ..... 3>2>6>1
Cancel ..... 3>2>6>2
Status ..... 3>2>6>3
Cancel Barring ..... 3>2>7
Call Waiting ..... 3>3
Activate ..... 3>3>1
Cancel ..... 3>3>2
Status ..... 3>3>3
Caller ID ..... 3>4
CLI Present ..... 3>4>1
CLI Restrict ..... 3>4>2
COL Present ..... 3>4>3
COL Restrict ..... 3>4>4
4. Settings 4
Call Alert ..... 4>1
Ring Tone ..... 4>1>1
No Alert ..... 4>1>1>1
Vibrator ..... 4>1>1>2
Standard ..... 4>1>1>3
Staccato ..... 4>1>1>4
Crescendo ..... 4>1>1>5
Marching ..... 4>1>1>6
Western ..... 4>1>1>7
Pretty Kid ..... 4>1>1>8
Ring Volume ..... 4>1>2
High ..... 4>1>2>1
Medium High ..... 4>1>2>2
Medium Low ..... 4>1>2>3
Low ..... 4>1>2>4
Key Tone Volume ..... 4>1>3
Listening Volume ..... 4>1>4
Language ..... 4>2
English ..... 4>2>1
Simplified Chinese ..... 4>2>2
Display Setup ..... 4>3
Set Time ..... 4>3>1
Set Clock ..... 4>3>1>1
Set Date ..... 4>3>1>2
Set Alarm ..... 4>3>1>3
Alarm On/Off ..... 4>3>1>4
Set Clk Formt ..... 4>3>1>5
Contrast ..... 4>3>2
High ..... 4>3>2>1
Medium ..... 4>3>2>2
Low ..... 4>3>2>3
Any Key Answer ..... 4>4
Network ..... 4>5
Automatic ..... 4>5>1
Manual (list) ..... 4>5>2
Network Type ..... 4>5>3
GSM900/1800 .... 4>5>3>1
PCS1900 ..... 4>5>3>2
Auto Redial ..... 4>6
Speed Dial ..... 4>7
Vmail Spd Key ..... 4>8
Back Light ..... 4>9
Software Version ..... (4.10)
Set Default ..... (4.11)
5. Security 5
Change PIN ..... 5>1
Enable/Disable ..... 5>1>1
Change PIN1 ..... 5>1>2
Change PIN2 ..... 5>1>3
FDN Mode ..... 5>2
Search List ..... 5>2>1
Add To List ..... 5>2>2
Change Mode ..... 5>2>3
Keypad Lock ..... 5>3
6. My Phone Num 6
View Phone # ..... 6>1
Edit Phone # ..... 6>2
7. Call Time, Cost 7
Call Timers ..... 7>1
Last Call ..... 7>1>1
All Calls ..... 7>1>2
Clear Timers ..... 7>1>3
Call Cost ..... 7>2
Last Call ..... 7>2>1
All Calls ..... 7>2>2

Unit Remain ..... 7>2>3
Settings ..... 7>2>4
Reset Cost ..... 7>2>4>1
Set Cost Limit ..... 7>2>4>2

The Names Submenu:

Names ..... Names
Search List ..... Names>1
Add to List ..... Names>2
Add to SIM ..... Names>2>1
Add to Phone ... Names>2>2
Set Ph-Book ..... Names>3
Speed Dial ..... Names>3>1
Memory Status Names>3>2

Notes:

Menu items 4.10 and 4.11 cannot be reached using shortcut keys and must be scrolled to (because of confusion with 4>1>0 and 4>1>1).

When a call is in progress, the During Call Options menu is in effect. See Chapter 9 for more information about the During Call Options Menu and its conference-call related options.

1. Call Log

The Call Log Submenu:

1. Call Log 1
Dialed Calls ..... 1>1
Save .....
Add to SIM .....
Add to Phone .....
Erase .....
Erase all .....
Received Calls ..... 1>2
Save .....
Add to SIM .....
Add to Phone .....
Erase .....
Erase all .....
Missed Calls ..... 1>3
Save .....
Add to SIM .....
Add to Phone .....
Erase .....
Erase all .....

Call Log: Your phone records information about all calls to and from your phone. The call log keeps track of the following:

Choice	What it does
Dialed Calls	View the phone numbers I have dialed
Received Calls	View what calls I have received
Missed Calls	View what calls I have missed

Your phone saves the last 10 numbers you dialed, and the last 10 numbers you received or missed. Your phone only saves received or missed calls if 1) the caller's number is available, 2) you are in your calling area, and 3) your phone is turned on.

With each number in the log, you can choose to:

Choice	What it does
Save>Add to SIM	Save it to the SIM card
Save>Add to Phone	Save it to the Phone's memory
Erase	Erase the number
Erase All	Erase all stored numbers
Press the Send key	Dial the number

Caution: Once a number is erased, it cannot be retrieved.

2. Messages

The Messages Submenu:

2. Messages 2
- Inbox ..... 2>1
  - Erase .....
  - Reply .....
    - Save .....
    - Send .....
    - Send & Save .....
  - Edit/Forward .....
    - Save .....
    - Send .....
    - Send & Save .....
  - Details .....
  - Save Number .....
    - Add to SIM .....
    - Add to Phone .....
- Outbox ..... 2>2
  - Erase .....
  - Edit/Forward .....
    - Save .....
    - Send .....
    - Send & Save .....
- Send Msg ..... 2>3
  - Save .....
  - Send .....
  - Send & Save .....
- Voice Mail ..... 2>4
  - Call Voice Mail ..... 2>4>1
  - Set Voice Mail ..... 2>4>2
- Options ..... 2>5
  - SMS Notify ..... 2>5>1
  - CBMS Notify ..... 2>5>2
  - Msg Setting ..... 2>5>3
    - Service Center ... 2>5>3>1
    - Expiry Period ..... 2>5>3>2
      - None ..... 2>5>3>2>1
      - 1 Hr ..... 2>5>3>2>2
      - 6 Hr ..... 2>5>3>2>3
      - 24 Hr ..... 2>5>3>2>4
      - 1 Wk ..... 2>5>3>2>5
      - 4 Wk ..... 2>5>3>2>6

Choice	What it does
Inbox	Show the contents of the Inbox
(Arrow Keys)	Scroll to and select (highlight) a message
Erase	Erase selected message
Reply	Reply to selected message
Save	Save selected message
Send	Send selected message
Send & Save	Send and Save selected message
Edit/Forward	Edit a selected message, and/or you can choose to forward it
Details	Show details of a selected message
Save Number	Save the phone number of a selected message
Add to SIM	Save the number to the SIM card
Add to Phone	Save the number to the Phone's memory
Outbox	Show the contents of the Outbox.
SMS Notify	Turn Short Message Service Notification On/ff
CBMS On/Off	Turn Cell Broadcast Message Service Function On/Off
Msg Setting	Choose one of the following 2:
Service Center	Enter the Service Center number
Expiry Period	Choose how long before messages expire

2.1 Inbox

Each message that has been sent to you will appear as a phone number. Scroll until that number is highlighted and then click the Send key. This will display the message. You can then perform the following actions on it. (After you read the message, press Send to activate the Option menu.)

- Erase the message
- Reply to it
- Edit/Forward it to someone else
- View Message Details
- Save the message's phone number to the SIM
- Save the message's phone number to the phone

After Reply or Edit/Forward, you have a choice of the following options.

- Save the message (without sending it)
- Send the message
- Send & Save the message

Note: It is a good idea to use Send & Save, because if a message doesn't go through, you can resend it.

2.2 Outbox

Menu>Messages>Outbox. On any message in the Outbox, you can take the following actions:
Erase the message
Edit it/Forward it to someone else
Again, you can Save, Send, or Send & Save.

2.3 Send Msg

Menu>Messages>Send Msg is where you go to compose a new message. Here also you can Save, Send, or Send & Save.

2.4 Voice Mail

Menu>Messages>Voice Mail. The Voice Mail submenu allows you to read and administer voice mail messages. From Voice Mail, you must choose either Call Voice Mail or Set Voice Mail.

2.4.1 Call Voice Mail

Selecting this option places a call to your voice mail center, allowing you to retrieve messages. Depending on your service provider, a recorded

voice may come on the line asking for your password. Follow the voice mail center's instructions. You can then listen to your voice mail messages.

2.4.2 Set Voice Mail

In order for voice mail to work, you will first need to set up your voice mail number, by selecting Set Voice Mail. You can then enter your voice mail phone number, obtained from your service provider.

Note: Under Settings, the Voice Mail Speed Key allows you to reach voice mail by simply pressing and holding the 1 key when in the main menu.

2.5 Options

2.5.1 SMS Notify

Turns Short Message Service Notification on or off.

2.5.2 CBMS On/Off

Turns Cell Broadcast Message Service Function On or Off.

2.5.3 Msg Setting (Message Setting)

Message Setting gives you a choice between setting the Service Center or the Expiry Period.

2.5.3.1 Service Center

Enter the phone number of the Service Center. To use messaging, the first thing you must do is store your message service center's number, obtained from your service provider.

2.5.3.2 Expiry Period

By scrolling using the arrow keys, the period of time after which a message expires can be set to None, 1 hour, 6 hours, 24 hours, 1 week, or 4 weeks.

Notes:

Short Message in Simplified Chinese

Your MCX-608 phone is not capable of creating a short message in simplified Chinese. However, your MCX-608 is capable of receiving and displaying it. To receive such a message, you should generate the SMS from a cell phone which can generate it in simplified Chinese. The cell phone service provider needs to support such a short message. The US

AT&T GSM network, for example, doesn't support SMS in simplified Chinese.

Messages

Caution: You can use your phone to send text messages or numeric messages. With messages, as with all other phone uses, you should follow safety guidelines and turn the phone off or keep it off in situations where there may be danger. There is a list of such situations in the chapter entitled "Safety" in this manual.

Preliminaries

Before receiving or sending messages, you must:
Subscribe to text messaging through your service provider
Get the message center number from your service provider
Save the message center's number in your phone (see 2.5.3.1.).

3. Call Options

The Call Options submenu:

3. Call Divert 3
Call Divert ..... 3>1
All Calls ..... 3>1>1
Activate ..... 3>1>1>1
Cancel ..... 3>1>1>2
Status ..... 3>1>1>3
Busy ..... 3>1>2
Activate ..... 3>1>2>1
Cancel ..... 3>1>2>2
Status ..... 3>1>2>3
No Reply ..... 3>1>3
Activate ..... 3>1>3>1
Cancel ..... 3>1>3>2
Status ..... 3>1>3>3
Unreachable ..... 3>1>4
Activate ..... 3>1>4>1
Cancel ..... 3>1>4>2
Status ..... 3>1>4>3
Cancel Divert ..... 3>1>5
Call Barring ..... 3>2
Change Bar Pwd ..... 3>2>1
Outgoing Calls ..... 3>2>2
Activate ..... 3>2>2>1
Cancel ..... 3>2>2>2
Status ..... 3>2>2>3
Intl Out Calls ..... 3>2>3
Activate ..... 3>2>3>1
Cancel ..... 3>2>3>2
Status ..... 3>2>3>3
Incoming Calls ..... 3>2>4
Activate ..... 3>2>4>1
Cancel ..... 3>2>4>2
Status ..... 3>2>4>3
Inc When Roam ..... 3>2>5
Activate ..... 3>2>5>1
Cancel ..... 3>2>5>2
Status ..... 3>2>5>3
Intl Expt Home ..... 3<2<6
Activate ..... 3>2>6>1
Cancel ..... 3>2>6>2
Status ..... 3>2>6>3

Cancel Barring ..... 3>2>7
Call Waiting ..... 3>3
Activate ..... 3>3>1
Cancel ..... 3>3>2
Status ..... 3>3>3
Caller ID ..... 3>4
CLI Present ..... 3>4>1
CLI Restrict ..... 3>4>2
COL Present ..... 3>4>3
COL Restrict ..... 3>4>4

3.1 Call Divert

Menu>Call Options>Call Divert. This option allows you to divert calls to your phone and send them to a different phone (let's call it phone B). The calls will no longer ring on your phone, but instead ring on phone B. You can divert calls to phone B in the following ways:

Call Divert option	What it does
All Calls	Divert All Calls to phone B.
Busy	When your phone is Busy, calls are diverted to phone B.
No Reply	When you do not answer your phone within a time out period, divert the call to phone B.
Unreachable	If your phone is unreachable (for example, out of area) divert to B
Cancel Divert	Stop diverting calls to phone B

With each Call Divert option you have three choices:

- Activate the option
- Cancel the option
- Check the status of the option: whether Active or Inactive

3.2 Call Barring

Menu>Call Options>Call Barring, this command allows the user to 'bar' (block, stop, prevent) certain calls either from coming in or going out.

You may take the following Call Barring actions:

- Change the Call Barring password
- Bar Outgoing Calls
- Bar International Outgoing Calls
- Bar Incoming Calls
- Bar Incoming Calls When Roaming
- Bar International Calls Except from your Home number
- Cancel Call Barring

Call Barring action	What it does
Change Bar Pwd	Change the Call Barring password. You will be asked for a 4-digit password in order to operate any call barring function.
Outgoing Calls	Tell the network to bar outgoing Calls
International Outgoing Calls	Tell the network to bar International Outgoing Calls
Incoming Calls	Tell the network to bar Incoming Calls
Incoming Calls When Roaming	Tell the network to bar Incoming Calls When Roaming
International Calls Except from your Home number	Tell the network to Bar International Outgoing Calls Except your Home Network
Cancel Call Barring	Cancel Call Barring

3.3 Call Waiting

Menu>Call Options>Call Waiting>Activate. In the same submenu, you can Cancel Call Waiting, or check its status. Call Waiting Activated means that if you are in the middle of a call, and another call comes in, you will hear the following sounds:

Audible indication that a call is coming in:

Two quick beeps, pause, two more quick beeps.

On the screen of your phone, the network will give you the message:

Accepting call from 15554538088?

You then have two choices:

- Hit the Send button, which puts the old call on hold and takes the new call, or:
- Do nothing. You will remain connected to the old call. You will hear no more beeps.

3.4 Caller ID

Caller ID menu setting	Meaning of menu setting
CLIP: Calling Line ID Presentation	When CLIP is activated, if someone calls you, their number appears on your phone.
CLIR: Calling Line ID Restriction	With CLIR activated, when you call someone else, your number does not appear on their phone.
COLP: Connected Line ID Presentation	With COLP activated, when you are in the middle of a call, and someone calls you, their number appears on your phone.
COLR: Connected Line ID Restriction	With COLP activated on your phone, when you call someone who has call waiting activated, your number still doesn't appear on their screen.

With all of the Caller ID settings, you can either Activate Caller ID, Cancel it, or check whether its status is Active or Inactive.

WARNING: You must check your service provider for availability of the Call Divert, Call Barring, Call Waiting and Caller ID features.

4. Settings

The Settings Submenu

4. Settings 4
Call Alert ..... 4>1
Ring Tone ..... 4>1>1
No Alert ..... 4>1>1>1
Vibrator ..... 4>1>1>2
Standard ..... 4>1>1>3
Staccato ..... 4>1>1>4
Crescendo ..... 4>1>1>5
Marching ..... 4>1>1>6
Western ..... 4>1>1>7
Pretty Kid ..... 4>1>1>8
Ring Volume ..... 4>1>2
High ..... 4>1>2>1
Medium High ..... 4>1>2>2
Medium Low ..... 4>1>2>3
Low ..... 4>1>2>4
Key Tone Volume ..... 4>1>3
Listening Volume ..... 4>1>4
Language ..... 4>2
English ..... 4>2>1
Simplified Chinese ..... 4>2>2
Display Setup ..... 4>3
Set Time ..... 4>3>1
Set Clock ..... 4>3>1>1
Set Date ..... 4>3>1>2
Set Alarm ..... 4>3>1>3
Alarm On/Off ..... 4>3>1>4
Set Clk Formt ..... 4>3>1>5
Contrast ..... 4>3>2
High ..... 4>3>2>1
Medium ..... 4>3>2>2
Low ..... 4>3>2>3
Any Key Answer ..... 4>4
Network ..... 4>5
Automatic ..... 4>5>1
Manual (list) ..... 4>5>2
Network Type ..... 4>5>3
GSM900/1800 ... 4>5>3>1
PCS1900 ..... 4>5>3>2
Auto Redial ..... 4>6
Speed Dial ..... 4>7

Vmail Spd Key ..... 4>8
Back Light ..... 4>9
Software Version ..... (4.10)
Set Default ..... (4.11)

Note: 4.10 and 4.11 cannot be accessed by menu shortcuts.

4.1 Call Alert

Menu>Settings>Call Alert. You can change the Ring Tone, Ring Volume, Key Tone Volume, and Speech Volume.

4.1.1 Ring Tone

There are eight Ring tone choices available to show that a call is coming in:

Ring Tone	Meaning
No Alert	The call is just shown on the display.
Vibrator	The phone vibrates to indicate a call.
Standard	The phone gives a standard ringing sound.
Staccato	A sharper sounding ring.
Crescendo	An ascending tone.
Marching	A marching band tune.
Western	A western-sounding tune.
Pretty Kid	A cute-sounding tune.

4.1.2 Ring Volume

The volume of the phone's ringing tone has four possible settings:

- High
- Medium High
- Medium Low
- Low

4.1.3 Key Tone Volume

When you press a key, your phone makes a beeping sound. The volume of the beep is indicated on the phone by a bar, and has the same four possible settings as Ring Volume, listed above.

4.1.4 Listening Volume

The volume of the voice you hear on the phone is indicated by a bar with eight possible settings. There are two ways to adjust this volume. One way is by using menu setting 4.1.4. The other way is that when a call is in progress, you can use the buttons on the left side of the phone to adjust the listening volume.

4.2 Language

Menu>Settings>Language. There are two choices available at this time:

- English
- Simplified Chinese

4.3 Display Setup

Display Setup ..... 4>3
Set Time ..... 4>3>1
Set Clock ..... 4>3>1>1
Set Date ..... 4>3>1>2
Set Alarm ..... 4>3>1>3
Alarm On/Off ..... 4>3>1>4
Set Clk Formt ..... 4>3>1>5
Contrast ..... 4>3>2

Menu>Settings>Display Setup. In this way, you can set up any of the following features.

Setting	What it means
Set Time	24 hour (military time)
Set Clock	24 hour (military time)
Set Date	YY/MM/DD
Set Alarm	24 hour (military time)
Alarm On/Off	To set the alarm, first click Set Alarm, then click Turn Alarm On. If you don't change the alarm setting, it will only go off once every 24 hours.
Set Clock Format	Display whether 12 or 24 hour
Contrast	High
	Medium
	Low

4.4 Any Key Answer

Have you ever hurried to find the answer button, only to have the other person hang up when you take too long? The Any Key Answer makes it so that any key you hit on the phone will answer the call. Menu>Settings>Display Setup allows you to turn the feature on or off.

4.5 Network Selection

Menu>Settings>Network allows you to choose network settings. The Automatic setting chooses the network for you.

Selection	Meaning
Automatic	Your phone chooses the network.
Manual - a list comes up	Your phone searches for available wireless networks and lets you choose one.
Network Type (Please refer to 10.10.2 for more information.)	GSM900/1800 (Dual Band)
	PCS1900 (Tri-Band)

Other Settings

A number of other settings are available. They are all reachable by entering Menu>Settings. The options are described in the following sections.

4.6 Auto Redial

If you get a busy signal, auto redial keeps trying to call the number every couple of minutes.

4.7 Speed Dial

Hold down key 1 to 9 as the index of the phone book entry 1 to 9, stored on the SIM card.

4.8 Voice Mail Speed Key

When Voice mail Speed Key is set, holding down 1 calls your voice mail (deactivating Speed Dial 1 if it is set).

4.9 Back Light

Illuminates the display and the keypad

4.10 Software Version

This option shows the software version for your phone.

4.11 Set Default

Returns phone to its Default Settings (see table below.) WARNING! YOU WILL LOSE ALL YOUR OWN SETTINGS!

Manufacturer’s Default Settings

The manufacturer’s default settings for your phone are as follows:

Option	Manufacturer's Default Setting
Key Tone Volume	level 3
Listening Volume	level 4
Alert Volume	level 3
Alert Type	type 2
LCD contrast	med level
Voice mail number	"0000"
Alarm Setting	00:00
Network Type	GSM900/1800
Auto Redial	Off
Any Key Answer	Off
Key Padlock	Off
Network selection mode	Auto is On
Back light	On
24 hour	Off
Alarm	Off
Speed dial	On
Voice Mail Speed Key	On

5. Security

The Security submenu:

5. Security 5
Change PIN ..... 5>1
Enable/Disable ..... 5>1>1
Change PIN1 ..... 5>1>2
Change PIN2 ..... 5>1>3
FDN Mode ..... 5>2
Search List ..... 5>2>1
Add To List ..... 5>2>2
Change Mode ..... 5>2>3
Keypad Lock ..... 5>3

5.1 Change PIN

Menu>Security>Change PIN. Allows you to change your PINs (Personal Identification Numbers). The possible actions are:

- Enable/Disable PIN numbers
- Change PIN1
- Change PIN2

Notes:

PIN1 is the PIN required to start up the phone after power up.
PIN2 is the PIN required to access the Fixed Dialling Number (FDN), and the AOC (Advise of Charge).
Both PIN1 and PIN2 are stored on the SIM card. With a new SIM card, PIN1 and 2 need to be re-entered!
PIN2 is not commonly used in the US. Check with your service provider and in Section 10.4 for more details.

5.2 FDN Mode

Menu>Security>FDN Mode>On/Off. (Fixed Dialling Number mode.) In FDN mode, you can only dial the numbers in the FDN List. To put the phone in FDN mode, PIN2 is required.

In FDN Mode, or Fixed Dialling Number mode, you have three choices:

FDN Mode choice	What it does
Search List	Searches the FDN list for a given name
Add to List	Adds a phone number to the list, so that it can be called in FDN mode.
Change Mode	Changes mode from FDN mode to non-FDN mode. You must turn FDN mode on in order to use it.

5.3 Keypad Lock

Keypad Lock locks the keypad, so that you will not accidentally push buttons. To **lock** the keypad, select Security>Keypad Lock, or 5>3. A shortcut to lock the keypad is to press and hold the # key. To **unlock** the keypad, press “*” and then “#”. You can then press the Send key to answer a call, for example.

6. My Phone Number

The My Phone Number submenu:

6. My Phone Num 6
View Phone # ..... 6>1
Edit Phone # ..... 6>2

6.1 View Phone

My Phone Num>View Phone # allows you to view the phone number of your cell phone.

6.2 Edit Phone

My Phone num>Edit Phone # allows you to change the number of your cell phone.

Note: It is recommended that the cell phone user would only have to edit this number whenever the phone number is assigned/changed. This field is stored in the SIM card.

7. Call Time, Cost

The Call Time, Cost submenu:

7. Call Time, Cost 7
Call Timers ..... 7>1
Last Call ..... 7>1>1
All Calls ..... 7>1>2
Clear Timers ..... 7>1>3
Call Cost ..... 7>2
Last Call ..... 7>2>1
All Calls ..... 7>2>2
Unit Remain ..... 7>2>3
Settings ..... 7>2>4
Reset Cost ..... 7>2>4>1
Set Cost Limit ... 7>2>4>2

7.1 Call Timers

Reached by the sequence “Call Time, Cost”>Call Timers, or 7>1, the Call Timers allow you to view how much time youhave been using. You can choose to view your last call, view all calls, or clear the timer.

7.1.1 Last Call

View how much time the last call took.

7.1.2 All Calls

View the total time used in all calls.

7.1.3 Clear Timer

Clear the Last Call and All Calls timers.

7.2 Call Cost

Reached by the sequence “Call Time, Cost”>Call Cost, or 7>2, Call Cost allows you to view how much your call(s) have cost. You have a choice of checking the Last Call, All Calls, and the Units Remaining.

7.2.1 Last Call

View how much money the last call cost (in units).

7.2.2 All Calls

View the total charge for all calls so far this billing period (in units).

7.2.3 Unit Remain

View the units remaining before the Cost Limit is reached.

7.2.4 Settings

The settings allow the user to reset the cost to zero, or set the cost limit.

7.2.4.1 Reset Cost

Reset the cost to zero

7.2.4.2 Set Cost Limit

Set a cost limit for all calls so far this billing period. When the limit is reached, the user cannot make any calls.

Note: Check with your service provider about call timers, call cost, and AOC (Advise of Charge) features support.

8. Names

The Names Submenu

Names ..... Names
- Search List ..... Names>1
- Add to List ..... Names>2
  - Add to SIM ..... Names>2>1
  - Add to Phone ... Names>2>2
- Set Ph-Book ..... Names>3
  - Speed Dial ..... Names>3>1
  - Memory Status Names>3>2

8.1 Search List

Names>Search List. This feature allows you to search the Contact List for names and numbers. It works in the following way.

Suppose part of your contact list in memory looks like this:

Robbins, Tim
Robbins, Tom
Siler, J.
Simmons, R. A.
Simon, P.
Simpson, O. J.
Smith, E. F.
Stevenson, R. L.

You want to search for the name “Simon”. After pressing Names>Search List, you begin entering the name. You press the ‘7’ key four times to get ‘S’, then the ‘4’ key three times to get ‘I’. (If you make a mistake, you can erase the last letter you typed using the ‘C’ [Clear] key.) The screen now shows SI. Thinking this is enough to search on, you press the Send key. The screen now shows:

35 Siler, J.
5553419021

You can now press the down arrow key to scroll to the name and number you want. Or, you can hit the End key, taking you back to Search List,

and search again with more letters. You quickly reach the entry you are looking for:

Simon, P.
5559873204

Press Send to access the menu. You are now given four choices: Call, Edit, Delete, and Copy.

8.1.1 Call

Call the number you found in your search

8.1.2 Edit

Edit the entry you found in your search

8.1.3 Delete

Delete the entry you found in your search

8.1.4 Copy to Phone/SIM

Copy the entry you found in your search

8.2 Add to List

There are two lists you can add a number and/or name to: the SIM list and the Phone list.

8.2.1 Add To SIM

Add a number/name to the SIM card

8.2.2 Add To Phone

Add a number/name to the Phone's memory

8.3 Set Ph-Book

There are two Phone Book settings: Speed Dial, and Memory Status.

8.3.1 Speed Dial

Displays the Speed Dial number index from 1 - 9. After selecting a number with the Send key, you have the options Call, Edit, and Delete.

8.3.2 Memory Status

Check the status of the phone's memory and SIM card

9. During Call Options (Conference Call Options)

During a call, your options vary depending on how many parties you have on the line. The shortcut key sequences also vary, as follows:

The During Call Options submenu.

3b. During Call Options * 3

You have one call in progress (are connected to one party). Your options are:

Options 3
- Hold ..... 3>1
- New Call ..... 3>2 (Enter Phone #, hit Send key)
- End Call ..... 3>3
- Names ..... 3>4
- Menu ..... 3>5

You have one call in progress and one on hold. Your options are:

Options 3
- Swap ..... 3>1
- Join Calls ..... 3>2
- End Connected ..... 3>3
- End All Calls ..... 3>4
- Names ..... 3>5
- Menu ..... 3>6

You have a three-way conference call in progress. Your options are:

Options 3
- New Call ..... 3>1 (Enter Phone #, hit Send key)
- Hold Party ..... 3>2
- Release Party ..... 3>3
- Extract Party ..... 3>4
- End All Calls ..... 3>5
- Names ..... 3>6
- Menu ..... 3>7

Note: Because this menu depends on situation, the subchapter numbers no longer correspond to the shortcuts from this point on in this user manual.

9.1 Hold

The Hold option puts the person talking to you on hold. When a call is in progress, you can activate Hold by clicking the up arrow, or choose Option by clicking the down arrow, which then allows you to scroll through the options New Call, End Call, Names, and Menu.

9.2 Unhold

When you are ready to talk to the on-hold party again, press Unhold, reopening their line.

9.3 New Call

The New Call option allows you to place a new call. You can also make a new call by entering digits in the connect screen and pressing Send.

9.4 End Call

The End Call option causes the current (or selected) call to end.

9.5 Swap

The Swap option swaps the two connections when your phone is connected to two different phones. For example, if you have person A on hold and are speaking to person B, choosing Swap puts B on hold and reconnects you through to A.

9.6 End Connected

End Connected allows you to end the call that is connected currently, and connect to the previously held party.

9.7 End All Calls

Disconnects all current phone connections with other parties.

9.8 Join Calls

Allows you to join two current calls you are on into one conference call.

9.9 Hold Party

This allows you to place all parties on a conference call on hold, for example while you answer a different call.

9.10 Unhold Party

This allows you to rejoin a conference call that you had put on hold.

9.11 Release Party

Release Party by entering the Call number associated with the party and only that party will be released from the conference call.

9.12 Extract Party

Extract Party allows you to enter the Call number associated with the party, and make it so that only that party and you are isolated from the conference call, having your own private conversation.

9.13 Menu

When a call is in progress, the Menu option takes you to menus 1, 2, 3, 4, 5, 6, and 7.

9.14 Names

The Names option takes you to the Names menu (see Chapter 8, Names).

10. Reference Information

Note: The Reference Information section of this manual gives more detailed information on subjects that were dealt with at less length elsewhere in the manual (for example, in the Quick Start Guide).

10.1 The Battery

10.1.1 Charging the Battery

To find out how to install your battery, see the Quick Start Guide.
To make your battery perform its best, follow these rules:
Recharge your battery. Use only a charger that Macronix, the manufacturer, or the equipment vendor approves to charge your battery .
Before you use the battery the first time, with your phone turned off, charge your new battery a full 3 hours.
Then you should run the battery down (by using the phone) until it is completely discharged.

If the battery is low, as indicated by the single bar, you should be sure to finish whatever you are doing and recharge the phone. Your cell phone will shut down in the middle of a call if necessary, in order to protect its circuitry. You can still use your phone while it is charging.

The charging time depends on the charger and battery used. Three hours is given as an average. See written information about your particular battery, or contact your original equipment manufacturer for more information.

10.1.2 Removing the Battery

Eventually, the battery will get old and begin to run for shorter and shorter amounts of time on a full charge. When you begin to have to charge it too often, you will want to replace the battery. In order to do that, use the following steps:

IMPORTANT: Switch off the phone before removing the battery. Don’t burn your battery or puncture it with a sharp object. Please make sure to recycle or get rid of the old battery in an environmentally conscious way.

Steps for removing the battery: With the back of the phone facing up, press and hold the back cover release button.
Slide the cover up, then lift it off the phone.
Lift out the battery.

10.2 Taking out the SIM Card

If you should ever need to take the SIM card out of the phone, follow these steps.
Remove the back and battery (See “Remove the battery” above).
Press the plastic tab of the SIM card holder down.
Carefully push the SIM card toward the top of the phone.

WARNING: Keep any miniature SIM card out of the reach of small children. They might damage the card or choke on it.
Switch off the phone.

10.3 The Antenna

The built-in antenna of your phone is the little stub that sticks out from the top of it. As with any radio, don’t touch the antenna when the phone is on, as it will interfere with the signal. Touching the antenna will affect how good the signal is, and may cause the phone to use more power than would be needed otherwise. Hold your phone the same way you would hold any telephone, with the antenna pointing up into the sky behind you. (Thus, the earpiece will be facing your ear, and the microphone will be pointing in the direction of your mouth.)

10.4 Indicators

The antenna signal strength indicator displays the strength of signal your phone is receiving at that point in space. If the signal strength indicator is very low, you might try walking a short distance to see if signal strength improves. Signal strength is weaker inside buildings, stronger outside, for example.

Indicator	What it shows
Battery Strength indicator	shows how much power remains in the battery.
Listening Volume indicator	shows the earpiece volume. See 4.1.4 “Listening Volume” for details.
Audible indicator	sounds a series of beeps when the battery is very low.
No Network Service indicator	is a circle with a slash through it.
Roaming indicator	is a triangle. Shows you are out of area.
Call indicator	shows that a call is in progress.
Vibrating indicator	shows a shaking cell phone, meaning that if a call comes in, the phone will vibrate.
Message indicator	looks like an envelope, and shows that there is a voice message or a short message waiting for you. When the mailbox is full, the envelope symbol flashes.
Antenna Signal Strength Indicator	displays the strength of signal your phone is receiving at that point in space.

10.5 PIN Number

In normal operation, when you switch on your phone, it will ask for a PIN (Personal Identification Number). Input this 4 to 8 digit PIN number using the number keys, then push the Send button.

WARNING: If an incorrect PIN number is entered three CUMULATIVE times (that is, turning off the phone won’t reset this counter), your phone will not work until you enter the proper PUK (PIN Unblocking Key). The PUK is an 8-digit number that you must obtain by calling your wireless service’s operator.

10.6 Entering Text

When entering text, pressing the pound ('#') key will change the text input mode. There are three text input modes.

- Upper Case Mode
- Lower Case Mode
- eZiText Mode

10.6.1 Upper case mode

When the phone is turned on, it is in this mode).
All letters are in upper case. Repeatedly pressing a key will give you different characters. For example, pressing 2 repeatedly gives 'A, B, C, 2' in this order. This is known as the multi-tap method.

10.6.2 Lower case mode.

All letters are in lower case. Repeatedly pressing a key will give you different characters. For example, pressing 2 repeatedly gives 'a, b, c, 2' in this order. This is also called the multi-tap method, in lower case.

10.6.3 eZiText mode.

All letters are in lower case. Pressing combinations of keys will give you possible words. For example, pressing 228 will get you string 'act', 'abu', 'bat', 'cat' ...etc. After pressing the key combination you will see the possible string underlined. To pick the next string, press the right arrow key on your MCX-608. To go back to the previous possible string, press the left key on your MCX-608. To select the word, press the star (*) key. The cursor will appear immediately after the string. If you want to select a word and insert a space, press '1'. The cursor will go one space after the string. The '1' key acts as a space key in eZiText mode.

Note: The text input mode will remain in the mode you have selected unless you power off the phone. The text input mode will be Upper Case again the next time you turn the phone on.

10.7 Wireless Network Services

Which wireless network services you choose will depend on which are available in your area. Wireless network services may include:

- Voice mail
- Call waiting
- Call forwarding
- Caller ID
- Cell info display

10.8 Safety Information

What Chapter 10.8 gives is additional, more detailed safety information. A short summary entitled Safety Overview can be found at the beginning of this manual.

10.8.1 Making Emergency Calls

1. Switch on the phone.
2. Check that there is sufficient signal strength and SOS Emergency Service.
3. Press the End key as necessary to exit all calls and menus, go to the main menu, and get the phone ready for calls.
4. Enter the appropriate emergency number for where you are. Emergency numbers are different depending on location. (For example, in the U.S.A. the emergency number is the all too well known 911, whereas in Taiwan, the emergency number is 112.) (You can dial the emergency number even if you have no SIM card and no PIN number.)
5. Press the Send key.

Notes:

Some features may first need to be turned off before you can make an emergency call. Ask your local wireless phone service provider, and/or see this user guide. If you make an emergency call, try to give all the essential information very accurately. At the scene of a disaster or accident, bear in mind that your cell phone may be the only way of communicating that is available. For this reason, do not end the call until the person on the other end says it is okay to do so.

Your MCX-608 cell phone utilizes user-programmed functions, land lines, wireless networks, and radio signals. Therefore, it is not possible to guarantee connections in all conditions. For this reason, you should never rely entirely on wireless or cell telephone for medical emergencies and other communications of extremely high importance.

10.8.2 “Turn off Wireless Phone” Locales

It goes without saying that you should switch your phone off anywhere there are signs that ask or require you to switch it off.

10.8.3 Explosion Risk Areas

Restrictions for cell phones are the same as for radio equipment. Anything you see posted about radio equipment applies to your cell phone as well.

Keep your phone switched off when you are in any area where the air has a risk of combustion. Follow all posted signs and instructions. In areas like this, even the smallest spark could cause a fire or an explosion resulting in injury or death.

Sometimes areas that have a potentially explosive atmosphere are not marked. They include places where fireworks are manufactured or stored, vehicles using liquefied butane or propane, munitions dumps and armories, chemical transfer or storage facilities, below decks on boats, areas where the air contains chemicals, or particles such as grain, dust, or metal powders, and anywhere you might be advised to turn off motor vehicle engines.

Switch off your phone when you are at a service station, or any other place where vehicles are fueled. Often there are restrictions on using radio equipment, and therefore also on using wireless phones, wherever blasting is in progress, and also in manufacturing, storage and distribution areas for fuel and/or.

10.8.4 Electronic devices

Even though a lot of modern electronic devices are protected from RF (radio frequency) signals, some electronic equipment may not be shielded against your phone's RF signal.

10.8.5 Hearing Aids

Some digital wireless telephones may interfere with some hearing aids. If such interference occurs, you may want to consult your service provider.

10.8.6 Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 20 cm be maintained between a handheld wireless phone and a pacemaker to avoid potential interference. These recommendations are consistent with the independent research by and recommendations of wireless technology researchers. Persons with pacemakers:

- Should always keep the phone more than 20 cm from their pacemaker when the phone is switched on.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the possibility of interference.
- If you have reason to suspect interference, switch off your phone immediately.

10.8.7 Other Medical Devices

Operating any radio transmitting equipment, including cellular phones, can interfere with the functioning of insufficiently protected medical devices. Consult a physician or the maker of the medical device to determine if they are sufficiently shielded from external RF energy, or if you have any questions. Switch off your phone in health care facilities when any regulations posted there say to do so. Hospitals and health care facilities use some equipment that could be sensitive to RF signal.

10.8.8 Operating Environment

Remember to follow any special regulations in effect in any area, and always turn off your phone whenever it is forbidden to use it, or when it may cause danger or interference.

Parts of your phone, such as the earpiece, are magnetic. Metallic materials may be attracted to the phone, and persons with a hearing aid should not hold the phone to the ear with the hearing aid. Do not place credit cards or other magnetic storage media near the phone, because the information stored on them may be erased.

10.8.9 Traffic Safety

Don’t use a handheld phone while driving or riding any vehicle. Always secure the phone so that it doesn’t slide or fall. Don’t put the phone on the passenger seat or where it might break in a sudden stop.

10.8.10 Your own Vehicle

Regularly check to see that all wireless phone equipment in your vehicle is mounted safely and operating properly. Only qualified personnel should service the phone or install it in a vehicle. Faulty installation or service can be dangerous. Do not store or carry any flammable liquids, gases or explosive materials in the same compartment as the phone, its parts, or its accessories.

For vehicles equipped with an air bag, be aware that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the area that the air bag inflates into. If in-vehicle wireless equipment is installed improperly and the air bag inflates, serious injury could be the result.

Using your cell phone while in the air is very dangerous and strictly prohibited. Remember to switch off your phone before going on board any aircraft. Using a wireless phone in an aircraft can disrupt the operation of the aircraft and even cause it to crash. It may also disrupt the wireless

telephone network.

RF signals may affect improperly installed or insufficiently shielded electronic systems in motor vehicles (for example, electronic fuel injection systems, electronic antilock/antiskid braking systems, electronic speed control systems, and air bag systems). You may check with the maker or its representative regarding your vehicle. You may also check with the maker of any accessories that have been added to your vehicle.

10.9 Care and Maintenance

Treat your phone and its accessories with care, and it will last for many years. Only qualified personnel should service the phone. It is advisable to follow the suggestions below, which apply equally to your phone and its accessories.

- Don't drop, knock or shake the phone, as ungentle handling can break circuit boards and electronic parts.
- Don't keep the phone in a cold area. When it warms up to its normal operating temperature, moisture forming inside can cause damage to circuit boards and electronics.
- Don't store the phone in a hot area either. Heat can shorten the life of electronics, warp or melt plastics, and damage batteries.
- Keep the phone dry. Rain, snow, and all types of moisture or liquids may contain minerals that can corrode electronic circuitry.
- Don't use strong chemicals, cleaning solvents, or harsh detergents to clean your phone.
- Keep your phone out of the reach of small children.
- Avoid using the phone in dirty or dusty areas, as its moving parts, such as its buttons, can be easily damaged.
- Don't try to open up your phone, except to replace the battery and/or SIM card following the directions in this guide. Non-expert handling can damage the phone.
- Use only the antenna that is supplied with the phone, or an approved antenna. Unauthorized antennas, attachments, or changes to your phone can damage the phone and disrupt radio signals.
- Don't paint your phone. Paint can clog the keyboard and any moving parts, preventing correct operation.

11. Troubleshooting

Problem	Possible Cause	Possible Solution
My phone is not answering or making calls.	You are moving out of the service area.	If the out of service soft icon (a circle with a slash) is showing, this is normal. Move back into the service area, or check with your service provider.
	The signal strength is weak. Check indicator.	If in a building, move toward a window.
	The battery isn't charged.	Charge the battery.
My phone isn't charging.	The charger isn't properly plugged in.	Plug charger in correctly.
	The charger and the phone aren't properly connected.	Securely connect charger to the phone.
I cannot listen to my voice messages.	You forgot your password, or are not entering it correctly.	Call your wireless service provider.
	You haven't saved your voice mail number in your phone.	See Messages.. Voice mail... Call Voice mail... Set Voice mail
	The voice mail number you have saved is wrong.	Call your wireless service provider.
	You haven't set up voice mail with your service provider.	Call your wireless service provider.
	You don't have voice mail service.	Call your service provider.
My phone isn't responding at all.	The program has frozen (is not responding to key presses).	Try turning it off and on. If that doesn't work,remove the battery and put it back in.

12. Technical Information

MCX-608 is a Dual Band GSM900 and DCS1800 cellular phone that is designed for the European and Asian markets. (It also has the Tri-Band capability of PCS1900, a band used in the U.S.A.)

The Macronix MCX-608 phone is a state-of-the-art design with a very cost-effective approach to the world of cell phone communications. It has a slick appearance, a wide range of features, and is powered with dual language MMI support. It has the highest feature to cost ratio in today's GSM cell phone market.

Features

Size
- Dimensions: 93.8 x 43.5 x 19.4 mm
- Weight: 72 g with Lithium Ion battery

Display and user interface
- LCD panel with 128x48 resolution
- 7 on-demand cell phone indicator icons
- User friendly English and Simplified Chinese MMI
- 17 key keypad with 2 volume control keys
- LCD panel and keypad lighting
- LED blinking for incoming calls and phone stand-by
- 7 ring tones to choose from with vibrator on/off option
- Adjustable key tone, listening and ring volumes
- Time and Date support with Alarms

Call Operations
- Call log management
- Call Divert with busy, no reply, unreachable and all calls
- Call Barring on outgoing, internatl, roaming and incoming calls
- All GSM Caller ID support with CLI and COL options
- Up to 5 party conference call support
- Call Waiting and Call time/cost AOC (Advice Of Charge) support
- One key speed dial, any key answer
- Full Rate encoding and decoding
- Dual Band seamless Handover and Roaming

Voice Mail and Short Message Support

- Supports Erase, Reply, Edit and Forward of Short Messages
- Short Message audible and MMI notification
- CBMS (Cell Broadcast Message) support
- One key dial Voice Mail center

Phone Book Support

- Save up to 100 phone book entries on the MCX-608
- Save up to hundreds of entries to the SIM (depending on SIM)

Security Features

- PIN1 and PIN2 management and support
- Keypad lock
- FDN (Fixed Dialing Number) on SIM support

Power Management

- 700 mAh Lithium Ion battery
- 60 hours Stand by time
- 4.5 hours talk time with DTX-mode

Please contact your Macronix representatives if you have any questions regarding the MCX-608.

Disclaimer: Some of the features mentioned above are network dependent; check your cell phone service providers for detail.

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