



X220

User Manual

Micromax Information



Contents

1. Legal Information	1
2. Important Notice	3
3. Getting Started	5
3.1. Packing Contents.....	5
3.2. Installing SIM, Battery and Attaching other Accessories.....	5
SIM Card & Battery Installation (Figure 2)	5
Connecting Hands-free Kit (Figure 3)	6
Connecting the charger/Charging the Battery (Ref Figure 4)	7
Powering ON and OFF the Phone.....	8
3.3. Phone Keypad Layout (Figure 5).....	9
Left Soft Key	9
Right Soft Key	9
Dial Key	9
End Key.....	9
Up and Down Direction Keys	9
Left and Right Direction Keys	9
0-9 Keys.....	10
* & # Key	10

3.4. Important Phone Icons.....	10
Signal Strength Icon	10
Battery Meter Icon.....	11
Keypad Lock Icon	11
3.5. Basic Functions	11
Make a Call	11
Making a Call Using Call history	12
Answering a Call.....	12
Call Options	12
4. Menu Layout	14
4.1. Messages	16
SMS	16
MMS	17
Chat.....	18
Voicemail server	18
Broadcast message	18
4.2. Phonebook.....	18
Quick search	18
Search contact	20
Add new contact.....	20
Copy all...	Error! Bookmark not defined.

Delete	Error! Bookmark not defined.
Caller groups	20
Extra numbers	21
Phonebook settings.....	21
4.3. Call logs	22
Call history	22
Call settings.....	22
4.4. Multimedia.....	23
Camera	24
Image viewer	24
Video player.....	25
Audio player.....	26
Sound recorder	27
FM radio	27
Schedule FM record.....	28
4.5. Applications	28
Games	28
Calculator	29
Stopwatch	29
4.6. File manager.....	29
4.7. Organizer	30

Calendar.....	30
Tasks	31
Alarm.....	31
World clock.....	31
4.8. Settings	31
User profiles	31
Dual SIM settings	33
Phone setup.....	33
Network setup.....	35
Security setup.....	35
Restore factory settings.....	36
4.9. Connectivity.....	36
STK	36
WAP.....	37
Data account.....	38
Bluetooth.....	38

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in the mobile phone. In such a case, the latter shall govern.

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2. Important Notice

Important Safety Precautions

- Do not use the device while driving. Please see that in some countries, it is illegal to use such devices while driving.
- Switch off when refueling. Do not use the device at a refueling point (service station) or near fuels or chemicals.
- Switch off in aircraft. Mobile phones and GSM devices can cause interference. Using them on aircraft is both illegal and dangerous.

Follow Special Regulations

- **Special Regulation.** Follow any special regulations in force in any area and always switch off your device whenever its use is forbidden, or when it may cause interference to the surrounding.
- **Radio Interference.** All mobile phones cause radio interference within the specified Limits of GSM standards.
- **Qualified service.** Only qualified service personnel must repair the equipment. Use only approved accessories and batteries.
- **Emergency calls.** Ensure that the phone is switched on and in service. Enter the emergency number (112 or another official emergency number) and press the "Dial" key.

- **Use only approved accessories.** The use of any other power accessory will violate warranty conditions that apply to the phone.

Safe Operation Instructions

- Before Installing or operating this product, read this manual carefully.
- Do not expose unit to rain or moisture.
- Do not place unit on or close to any heat source.

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3. Getting Started

3.1. Packing Contents

Before using Micromax X220 mobile phone, carefully remove the contents from the shipping carton and check for any damages or missing contents. If you find any parts missing, contact your Authorized Distributor or shipping agent immediately. The standard packing contents are as follows:

- Base Trans-receiver
- Battery
- Charger
- Hands free Kit
- User Manual
- Service Guide

3.2. Installing SIM, Battery and Attaching other Accessories

SIM Card & Battery Installation (Figure 2)

Always turn off the phone and detach the charger when you insert or remove a SIM card or battery from the phone.

1. Remove the battery cover by pulling it as shown in Figure 2.
2. Slide the SIM Card into its holder. Make sure that the gold contacts of the SIM Card are facing down, and the cut off corner is correctly aligned as shown in figure.

3. Place the battery in the back of the phone with the label side up and the connectors facing each other.
4. Place the battery cover as shown in the picture and push it into place.

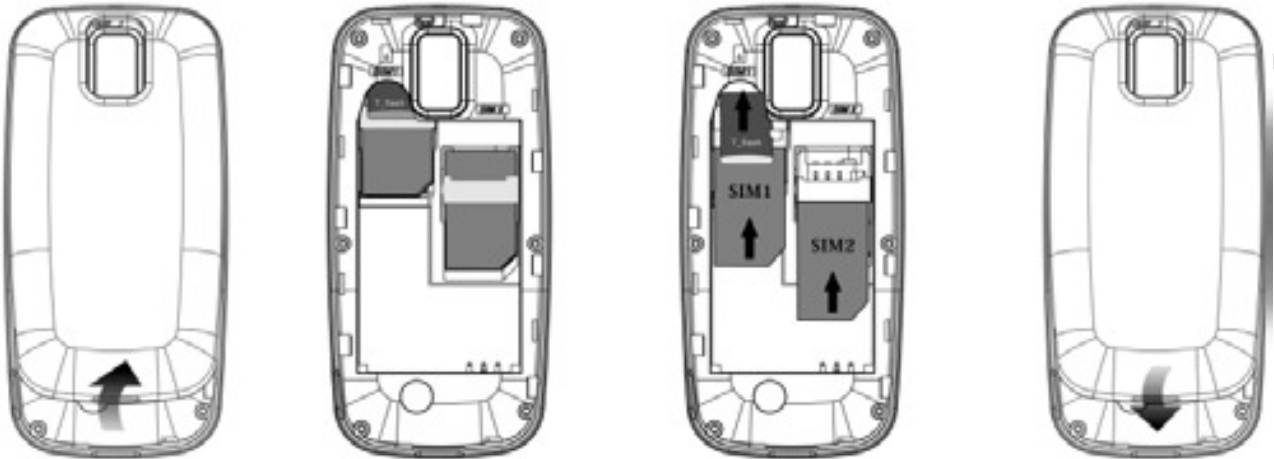


Figure 2

Connecting Hands-free Kit (Figure 3)

You are provided with a hands-free earpiece set with your phone. The same can be used to listen to your mp3 songs and listen and speak while on a call. To connect the hands-free earpiece, simply connect the connector into the connecting socket as shown in figure. When properly connected, the phone will display a message 'Earphone plugged in' with an icon displayed on the screen.

NOTE: Only use Micromax specified accessories.



Figure-3

Connecting the charger/Charging the Battery (Ref Figure 4)

1. Plug the charger's transformer into a standard AC outlet.
2. Insert the charger's output plug into the phone's connecting socket as shown in figure-4.

NOTE: It may take up-to 30 minutes before the battery icon/charging icon appears on the screen while charging.



Figure-4

Powering ON and OFF the Phone

To Power your phone ON or OFF, press and hold the End key for at least 3 seconds or until the display lights comes up or goes off. Enter the lock code if necessary and select OK to Power ON.

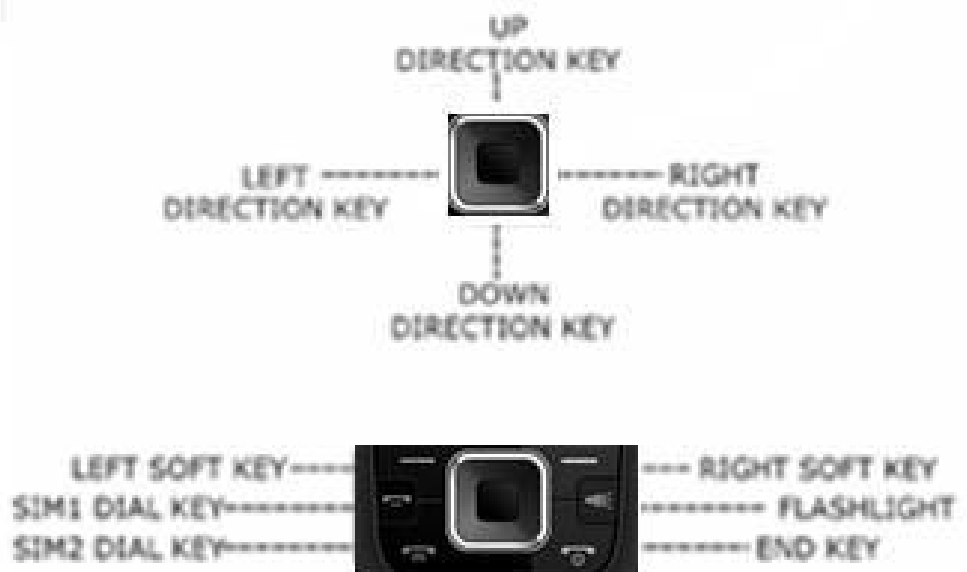


Figure-5

3.3. Phone Keypad Layout (Figure 5)

Left Soft Key

Performs functions in lower left display. In standby mode, press OK key to enter main menu.

Right Soft Key

Performs functions in lower right display.

Dial Key

- Make calls
- Answer calls
- Press when idle to see the list of calls.

End Key

End or reject calls; Press and hold this key to turn phone on/off.

Up and Down Direction Keys

- Scroll to select options
- In standby mode press to open shortcut applications.
- In edit message status, press to select the required word.
- In function menu, scroll to open desired function.

Left and Right Direction Keys

- Scroll to select options
- In standby mode press to open shortcut applications
- In edit message status, press to select the required word.

0-9 Keys

In standby mode, press number keys to input dialing number. In standby mode, press and hold 2-9 key to directly call the number set before, in the speed dial list, press and hold 1 key to the voicemail server. In edit status, press to input numbers, characters and phonetic notation. In edit mode, except input number, press 0 key to input space. In functional menu, press numbers to speed select submenu items.

* & # Key

Functions vary in different situations or function menus: On Input Screen, press "*" for symbols. On Input Screen, press "#" to switch among different inputting methods. In standby and dial mode, press and hold "*" to input +. In standby mode, input "+" for an international call.

3.4. Important Phone Icons

Signal Strength Icon

The Signal Strength Icon  is seen on the top leftmost corner of the screen. The icon helps you to identify the strength of the network; the phone has latched on to, at that particular instance. It has a maximum of 4 bars with a minimum as no bar. 4 bars signify strongest network strength and subsequently minimizes with each diminishing bar. No bar signifies least or no network strength.

Battery Meter Icon

The Battery Meter Icon  is seen on the top rightmost corner of the screen. The icon signifies the battery strength available at that instance.

NOTE: At very low battery levels, the phone will prompt 'Low Battery' message on the screen.

Keypad Lock Icon

The Keypad Lock Icon  is seen on top of the screen at various positions depending on the number of icons displayed. A closed lock signifies that the keypad is locked. When the slide cover is closed, you can unlock the keypad by pressing Unlock (by left soft key) on the phone, followed by the OK key. Similarly for locking the keypad, press the left soft key, to be followed by the OK key.

3.5. Basic Functions

Make a Call

To make a call, unlock the keypad, if locked, enter the desired phone number and press the Dial key.

NOTE: Your service provider programs one or more emergency phone numbers, such as 112, 100, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted. Check with your service provider, as emergency numbers vary by country. Your phone may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental or interference issues.

Making a Call Using Call history

All dialed and incoming numbers are saved in call history and categorized into Missed calls, Received calls and Dialed calls. To check the history, please follow these steps:

In standby mode, press the Dial key to view Call history. Use the direction keys to select among Missed calls, Received calls and Dialed calls.

Answering a Call

- To receive an incoming call, press the Options key and select 'Answer' or receive it directly by pressing the Dial key.
- If headset is available, user can choose headset keys to answer the call.

Call Options

The Micromax X220 phone offers multiple functions during a call. During a call, following functions can be actualized if you operate according to the instructions on the screen. Press up and down direction keys to choose the wanted function and press select key to enter.

- Hold single call: To hold an Active call.
- End single call: End the present active call only.
- New call: To make a new call.
- Phonebook: To explore the Phonebook for phone numbers.
- Messages: To explore Messages menu.

- Sound recorder: To record a conversation between the active members of the conversation
- Silence: Turn on/off the Microphone during an active call.
- DTMF (Dual-tone Multi-frequency): You can choose on/off; which is to send dual-tone multi-frequency sound. This can offer dialing the telephone numbers with extensions or IVR systems installed for menu driven options.

NOTE: This feature is network dependent.

4. Menu Layout

Messages

- SMS
- MMS
- Chat
- Voicemail server
- Broadcast message

Phonebook

- Quick search
- Search contact
- Add new contact
- Mark several
- Caller groups
- Extra numbers
- Phonebook settings

Call logs

- Call history
- Call settings

Multimedia

- Camera
- Image viewer
- Video player
- Audio player
- Sound recorder
- FM radio
- Schedule FM record

Applications

- Games
- Calculator
- Stopwatch

File manager

- Phone
- Memory card

Organizer

- Calendar
- Tasks
- Alarm
- World clock

Settings

- **User profiles**
 - General
 - Meeting
 - Outdoor
 - Indoor
 - Headset
 - Bluetooth
- **Dual SIM settings**
 - Dual SIM open
 - Only SIM1 open
 - Only SIM2 open
 - Flight mode
- **Phone setup**
 - Time and date
 - Schedule power on/off
 - Language
 - Pref. input methods
 - Display characteristics
 - Greeting text
 - Shortcuts
 - Dedicated key
 - Auto update of date and time
 - Misc. settings
- **Network setup**

- SIM1 network setup
- SIM2 network setup
- **Security setup**
 - SIM1 security setup
 - SIM2 security setup
 - Phone lock
 - Auto keypad lock
 - Change password
- **Restore factory settings**

Connectivity

- STK
- WAP
- Data account
- Bluetooth

4.1. Messages

Your phone supports various messaging services. You can create, send, receive, edit and organize text messages.

SMS

Under SMS, the phone has the following folders listed.

- **Write message:** Input content by selecting preferred input method.
- **Inbox:** This folder stores all the received messages.
- **Outbox:** This folder contains all the messages sent from your phone.
- **Templates:** Templates stores 10 preloaded/pre-written text messages for ready usage. You can edit the templates

according to your wish and also store the messages that you send more often.

- **SMS settings:** SMS settings stores all the different settings responsible for sending and receiving messages.
 - **Profile settings:** It contains profiles which include Profile name, Service Centre address, Validity period and Message type.
 - **Common settings:** These settings include the following - Delivery report, Reply path.
 - **Memory status:** Memory status gives you the information about the storage status of the phone memory as well as the SIM memory.
 - **Preferred storage:** Lets you select the default storage location of the messages between Phone and SIM.

MMS

The phone has the capability to support Multi Media Services. You can send and receive multimedia files by using this feature, provided, you have this service activated on your SIM card. It has the following folders listed:

- Write message
- Inbox
- Outbox
- Drafts
- Templates

- MMS settings

Chat

Chat enables you to enter 2 different user's default settings (Chat room 1 and Chat room 2) to enable sending and receiving the messages. Chat option enables you to see the complete conversation on a single window.

Voicemail server

The Voicemail server is an interactive system for storing, processing and reproducing verbal messages through a voicemail server. The service is operator dependant and the settings are provided by the operator upon activating the service on the SIM card.

Broadcast message

Your phone is capable to receive and store broadcast messages. You can set the receive mode to ON/OFF. Read Message folder stores the received messages.

Note: Broadcast messages are received through a predefined channel-050.

4.2. Phonebook

Quick search

Quick search allows you to quickly search an entry in the Phonebook list by entering the key letters or words of the name. After finding the desired number the user gets the following options:

- **Call:** Selecting the option will dial the number found by quick search.

- **Send text message:** Selecting this option will enable the user to send a text message on the number selected.
- **Send multimedia message:** Send Number allows the user to send the selected contact's details to another recipient as a multimedia message.
- **View:** View option gives you the details of the number selected.
- **Edit:** Edit option gives you the option to edit the details of the selected number. The details include- Name, Number, Home number etc.
- **Delete:** The option allows you to delete the selected contact.
- **Copy:** The option allows you to copy the entry selected to the phone or to the SIM card depending on where the contact was stored before.
- **Move:** The option allows you to move the contact from SIM2 to SIM1 or from SIM to phone depending on where the contact was selected from. The moving contact will be automatically deleted from the last storage device.
- **Send vCard:** This option is same as 'Send Business Card'. It will enable you to send a business card of the selected entry as an SMS/SMS, send via Bluetooth or save as a file.

- **Send to blacklist:** This option is used to blacklist the selected contact. Once blacklisted, your phone will reject all calls from that number before they land on the phone.

Search contact

Unlike Quick search, Search contact option enables the user to search a contact by entering the key letters or words of the name.

Add new contact

Select this option in order to add a new contact into the SIM memory or to the phone memory.

Mark Several

Allows you to mark several contacts and delete them in one go.

Caller groups

Caller groups contains five default groups:

- Friends
- Family
- VIP
- Business
- Others

Selecting any group allows you to edit the options available with it. For example:

- Setting the ringtone associated with the group.
- Picture associated with the group.

Extra numbers

It has the following options to edit:

- **SIM1/SIM2 service dialing number**

Service dialing numbers are special numbers mapped with particular services given by the network operator. These numbers are pre-fed inside the SIM card by the network provider.

NOTE: Not all SIM cards support these services.

- **SIM1/SIM2 SOS number**

The phone gives you an option to store 5 numbers for contacting in case of any emergency.

Phonebook settings

The following fields are listed under settings:

- **Memory status:** This option enables you to check the memory status of the phone and the SIM card.
- **Preferred storage:** This option enables you to choose the storage of the vCard.
- **Fields:** Gives you an option to select the fields to be edited at the time of adding a new entry in the Phonebook. The fields include:
 - Home number
 - Company name
 - Email address
 - Office number
 - Fax number
 - Caller picture

- Caller ringtone
- Caller group
- **My vCard:** Edit or send the vCard.

4.3. Call logs

Call history

You can check all calls related information under Call history menu. Call history menu has details for:

- Missed calls
- Dialed calls
- Received calls
- Delete call logs
- Call timers
- Call cost
- Text message counter
- GPRS counter

You can also delete call history by selecting "Delete call logs" option.

Call settings

- **SIM1/2 call settings**
 - **Caller ID** - you can select to set by network, hide ID or send ID.
 - **Call waiting** - you can choose to activate this function or deactivate, it and can also view the current settings via query.
 - **Call divert** - You can set to forward the incoming calls on other numbers.
 - **Call barring** - In order to activate this service, it requires the services provided by the network service

provider. When you change Barring password, you need to input the old password.

- **Line switching** - you can switch line 1 or line 2.
- **Advance settings**
 - **Black list** - Set whether to activate the incoming call filter, and edit the black list numbers.
 - **Auto redial** - You can select to redial the number automatically when a call is not connected.
 - **Speed dial** - Set speed dial on/off, and edit the speed dial list number.
 - **Call time display** - After setting this function on, you can view the call time displayed on the screen.
 - **Call time reminder** - After setting this function on, it will offer warning tone towards the single or periodic setting as your own during the call process, so you will be reminded of the call time at any time when calling.
 - **Auto quick end** - Can be set to open or close the function, duration of time 1-9999 seconds.

4.4. Multimedia

The Micromax X220 comes with a host of multimedia applications to provide you with unlimited entertainment.

Camera

By pressing the left soft key to select **Options**, you can go to the **Photos**, **Camera settings**, **Image settings**, **White balance**, **Effect settings**, **Storage** and **Restore default**.

- **Photos** – Open the Image viewer to view the photos. You can set the photo default storage path to phone or the memory card.
- **Camera settings** – Carry out such related settings as the Shutter sound, EV, Anti-flicker, Delay timer and Continuous shot.
- **Image settings** – Set size and quality of photos.
- **White balance** – You can select Auto, Daylight, Tungsten and Fluorescent.
- **Effect settings** – You can select Normal, Sepia, Sepia blue and Color invert.
- **Storage** – You can set the photos default storage path to phone or the memory card.
- **Restore default** – Restore default settings.

Image viewer

Image viewer stores all your pictures which are preloaded as well as those taken by the phone camera. It gives you the options.

- **View** – To view the selected file.

- **Browse style** – View the images in list style or matrix style.
- **Use as** – The images selected can be forwarded to set it as Wallpaper or Screen Saver and so on.
- **Send** – The images selected can be sent via multimedia message and Bluetooth.
- **Rename** – You can rename the image according to your own choice.
- **Delete** – To delete the selected file.
- **Delete all files**– To delete all selected files.
- **Sort by** – The images stored can be sorted by Name, Type, Time and Size.
- **Storage** – You can set the photos default storage path to phone or the memory card.

Video player

The Micromax X220 comes with an inbuilt video player that plays all your favorite videos stored in the micro SD card.

NOTE: It supports all AVI format video files, and does not support 3GP/MPEG4 with AAC sound or above, it may appear to be silent.

·AVI:176*144, 8-10fps; 100KbpsXVID; audio format: 24-64Kbps MP3.

3GP: video format: 176*144, 10-15fps; 100KbpsXVID; audio format: 24-64Kbps AMR NB.

MP4: video format: 176*144,10-15fps; 100Kbps MPEG4; audio format: 24-64Kbps AMR NB.

Audio player

The Micromax X220 comes with an inbuilt audio player that plays all your favorite songs stored in the phone or micro SD memory card. It gives you a host of setting options to make your listening experience interesting.

The player gives you an option to select from a list of songs already stored in the phone/ memory card, to be played, added to your ring tones.

The player has the following setting options:

- **Pre. play list:** Player settings give you an option to select your play list source (Phone or Memory card).
- **List auto gen.:** It also offers to generate the play list automatically.
- **Repeat:** You can also select to repeat the song or complete play list (Off/One/All).
- **Shuffle:** You can shuffle the order of your songs to be played. If you put this mode to 'ON', then the songs will be played in a random fashion otherwise, a sequential pattern will be followed.
- **Background play:** Background play option allows you to enjoy your music even if the player is minimized to use other functions of the phone.

Sound recorder

You can record sound/voice on your Micromax X220 phone. Just select sound recorder, go to options and press record. Select Stop to rename the file and save it. Select pause to 'pause' the recording and 'continue' to resume the recording.

FM radio

The Micromax X220 comes with an in-built FM radio receiver/Recorder player. Press Options to find:

- **Channel list:** Store all the channels that the FM radio can receive. You get options to play, delete or edit them.
- **Manual input:** You can store and register your channel frequency and play it by pressing OK.
- **Preset auto search:** On selecting this, the FM tries to scan all the available channels provided by the network. To start the search, make sure that the radio is powered ON.
- **Settings:** Under settings, you have options for Background play (ON/OFF), Loud speaker (ON/OFF), Record format (AMR/WAV), Audio quality (Low/High) and Record storage (Phone/Memory card).
- **Record:** You can record your favorite music or program. To record, make sure that the radio is powered ON.
- **Append:** Append the file with new recording.
- **File list:** Select File list to check your previously stored files.

The FM radio also gives you an option to change the settings through short-cut keys available on the main window. Such as 'To Power ON', to 'Skip to next channel' and to 'skip to previous channel' using the direction keys on the keypad, and the number keys are corresponding to the preset channels.

Schedule FM record

Micromax X220 comes with a unique feature of FM scheduling. This feature enables you to schedule the radio to power ON itself and record your favorite program. You can set the time, date, and channel and record functions to record the desired program. It can record 4 programs for you to enjoy them anytime later at your own wish. On pressing Edit, you will have following functions to set:

- Power ON/OFF
- Date and Time
- Repeat
- Channel settings
- Record settings

4.5. Applications

Games

- **Copter:** You can start game.
- **Games Settings:** These settings enable you to vary the settings in background music and sound effect to ON/OFF, allow you to put the vibration mode to ON/OFF and to increase/decrease the volume levels.

Calculator

Use the direction key and number key via the cues on the display screen to make the calculator available.

Stopwatch

The phone comes with 2 types of Stopwatch.

- **Typical Stopwatch**
- **nWay stopwatch**

Now, burn the track while you keep every move traced and counted.

4.6. File manager

As the name suggests, File manager allows you to manage all the files stored in phone and the memory card (up to 4GB).

1. You can view the remaining memory and available memory in phone/micro-SD card.
2. You can open and navigate the directories and files in the storage.
3. You can View, Play and Setup files in the storage disks.

The options available are:

- **Open**
 - Images
 - Audio
 - Photos
 - Videos
 - My music

- **New folder**

You can create a new folder to store files.

- **Format**

Note: Formatting the phone or Memory card will erase all existing data from them.

4.7. Organizer

Calendar

You can use the calendar to keep track of important meetings. After entering the calendar function menu you can select year, month and date using direction keys. On a selected date you can select to view:

- **View:** If there is a special background color on a date which means there is some event on that day. You can also view any Note/Remark mentioned by you for an event stored by you previously.
- **View all:** View all the stored events.
- **Add event:** When you add a new event, you can do the following:
 - Input event duration time.
 - Add a Description for that event.
 - Set alarms on/off.
- **Delete event**
- **Jump to date:** Input a date, and then press OK to go to a specific date for entry/edit/viewing of task for that date.
- **Go to weekly/monthly view:** Select this option to view tasks in weekly/monthly format.

Tasks

Edit the task according to the screen prompts. Select task type such as: Date, Call, Anniversary, and set whether to remind via alarm clock. Also, you can set different reminding manners (once, everyday, custom, weekly, monthly).

Alarm

The Alarm can be set to ring at a specific time on several days. There are five different default alarms. You can set these alarms to alarm you at different time in specific day(s) of a week. The alarm can use radio as an alarm tone also.

World clock

World clock can be used to know the time in various cities across the world. You can see a world map and instantaneous time in those cities using world clock. Enter world clock to view a particular city's time using the direction left/right keys.

4.8. Settings

Under settings, the phone gives you the option to change the settings for various features of the phone.

The following list is available in Settings:

User profiles

All the different profiles are listed under this option:

- **General:** The Profile gives you an option to activate and customize the settings. You can customize the following features:

- **Tone setup** - Tone setup enables you to set up different music tones to different functionalities of the phone like Incoming call, Power on/off, Cover open/close, Message tone and Keypad tone.
- **Volume** - You can vary the volume levels for Ringtone and Keypad tone.
- **Alert type** - Alert type lets you choose the way you want to be alerted. You can choose from, Ring only, Vibration only, Vibration and ring, Vibration then ring.
- **Ring type** - Ring type lets you select the type of ring to alert you. You can choose from Single, Repeat and Ascending.
- **Extra tone** - Extra tone is added to a number of incidences such as Warning, Error, Camp on and Connect.
- **Answer mode** - Answer mode gives you the choice to select Cover answer and Any key answer mode. Any key enables you to receive a call using any key of the phone except the End key.

- **Meeting**
- **Outdoor**
- **Indoor**
- **Headset**

- **Bluetooth**

Dual SIM settings

You have the following options listed under Dual SIM settings:

- **Dual SIM open:** This option activates both the SIM cards.
- **Only SIM1 open:** This option activates only SIM1.
- **Only SIM2 open:** This option activates only SIM2.
- **Flight mode:** This option disables all RF communication for both SIM1 and SIM2, however, enables you to use other features of the phone.

Phone setup

You have following options listed under phone setup:

- **Time and date:** Lets you set the Time and date on the phone.
- **Schedule power on/off:** Lets you set a particular time on the phone when the phone should Power on/off itself.
- **Language:** The Micromax X220 currently supports English and Hindi language.
- **Preferred input methods:** This enables you to select the text input methods: They are – Smart ABC/abc, Multitap ABC/abc, Smart Hindi, Multitap Hindi, Numeric.

- **Display characteristics:** Under Display characteristics, you can set a host of different characteristics of the phone. Like
 - **Wallpaper** – Set your favorite wallpaper on the phone.
 - **Screen saver** – Lets you set an image as a screen saver.
 - **Power on display** – Lets you select a pre-defined animation.
 - **Power off display** – Lets you select a pre-defined animation.
 - **Show date and time** – Enables you to see the date and time on the idle screen.
- **Greeting text:** Lets you set your own greeting text when you power ON the phone.
- **Shortcuts:** Assign shortcuts as per your requirements to specific keys.
- **Dedicated key:** This option helps you dedicate/map certain key features of the phone with the Directional keys (UP/DOWN/LEFT/RIGHT) of the phone. At anytime you can change the mapping and select a new feature from the list of features available.
- **Auto update of date and time:** This feature automatically updates the date and time on the phone, receiving it from the network.

NOTE: This feature is network dependant.

- **Misc. settings:** You can set LCD backlight.

Network setup

Network setup gives the user the ability to select a desired network and addition of a new network to the network list. The network setup gives you the following options:

- Network selection (Automatic/Manual)
- Preferences – Will list down all the network IDs (depending on the SIM card used).

Security setup

Under Security setup, we have the following options available:

- **SIM1/2 Security setup**
- **SIM1/2 Lock:** press OK key to enable PIN lock, which will require you to input a password when the mobile phone is switched on. Otherwise, the SIM card is unavailable.

During setup, it is required to input the correct PIN code. If wrong codes are entered for three times, the PUK (Personal Unlock code) will be required, PUK is used to unlock and change the locked PIN code. If PUK code is not provided or missed, please contact your local network service provider.

- **Fixed dialing:** Outgoing calls from your phone can be restricted by making a fixed dialing list that allows only numbers on that list to be dialed from the phone.
- **Barred dialing:** Barred dialing is a SIM card/Network dependant feature. If your

operator supports it, then you can use the facility in the phone.

- **Change password:** Change password option gives you the options to change PIN, PIN2 password.
- **Phone lock:** Phone lock protects your phone from any unauthorized usage or unauthorized access to information stored in the phone. When phone lock is activated, the phone would ask for the phone lock code every time you power-on the phone. Enter the lock code (default as 0000) to use the phone. You can simply unlock the phone by going into security setup, Phone lock, enter the lock code and put it off.
- **Auto keypad lock:** Auto keypad lock automatically locks the keypad after a preset interval of time. You can set the time of 5 /30 seconds, 1 minute and 5 minutes.
- **Change password:** Change password option gives you to change phone password.

Restore factory settings

- Selecting this option will ask you to enter the password to restore the phone to factory settings. The password is default as 0000.

4.9. Connectivity

STK

STK stands for SIM Tool Kit. This service is provided by the network provider and is used to initiate

various Value Added Services, provided the SIM and the operator support's this feature.

WAP

WAP or Wireless Application Protocol browser provides all the basic services of a computer based web browser but simplified to operate within the restrictions of a mobile phone. The WAP browser has the following options:

- **Homepage:** Homepage allows you to enter the default URL on the phone. This will enable you to go to the same page every time you access the homepage.
- **Bookmarks:** Bookmarks enables you to mark a place in an electronic document or a pointer (primarily to an internet URL) in an Internet web browser.
- **Recent pages:** Recent pages stores the list of URLs which have been recently visited by you on the WAP browser.
- **Offline pages:** Offline pages stores the list of URLs which you have saved.
- **Input address:** Input the desired address (URL) of the website or webpage in this column.
- **Service inbox:** Service inbox receives and stores URLs through text messages from the operator. You can read them and accept to go to the web page and browse.
- **Settings:** You can vary the following settings:
 - **Select SIM**

- **Edit account**
- **Browser options**
- **Service message settings**
- **Clear cache**
- **Clear cookies**
- **Trusted certificates**

Data account

Data account contains two types of account used to establish GSM/GPRS connections for WAP, MMS and WWW browsing.

- **GSM data**
- **GPRS**

NOTE: Select the appropriate setting from the list for using a particular feature depending on the availability of the operator services.

Bluetooth

By Bluetooth, you can communicate with other compatible devices through wireless Bluetooth connection. Compatible devices may include: mobile phones, personal computers, Bluetooth headsets. Via Bluetooth, you can send or receive pictures, videos or music files;

Your phone can also be used to set up a wireless connection with compatible personal computer.

- **Power:** Select power on to activate Bluetooth and power off to deactivate it. Please note Bluetooth needs to be activated to perform all aforementioned functions.
- **Inquiry audio device:** Locates other Bluetooth activated audio devices in the vicinity.

- **Search new device:** You can inquire new device.
- **Active devices:** Locates active Bluetooth devices in the vicinity.
- **Settings:** Set mobile phone Bluetooth.
 - **Visibility** - Set the Visibility of the Bluetooth.
 - **Change device name** - Change the Bluetooth device name.
 - **Authentication** - Authentication while Bluetooth connection.
 - **Audio path** - To set whether the audio to be transfer to headset or stay at phone while the Bluetooth audio is connected.
 - **Block list**
 - **Storage** - You can select phone, memory card or always ask.
 - **FTP settings** - Set the shared folder of the FTP (File Transfer Protocol).
- **About:** Provides information about device name, address and Bluetooth profiles.