



User's guide
GSM mobile phone
Maxcom **MM820**



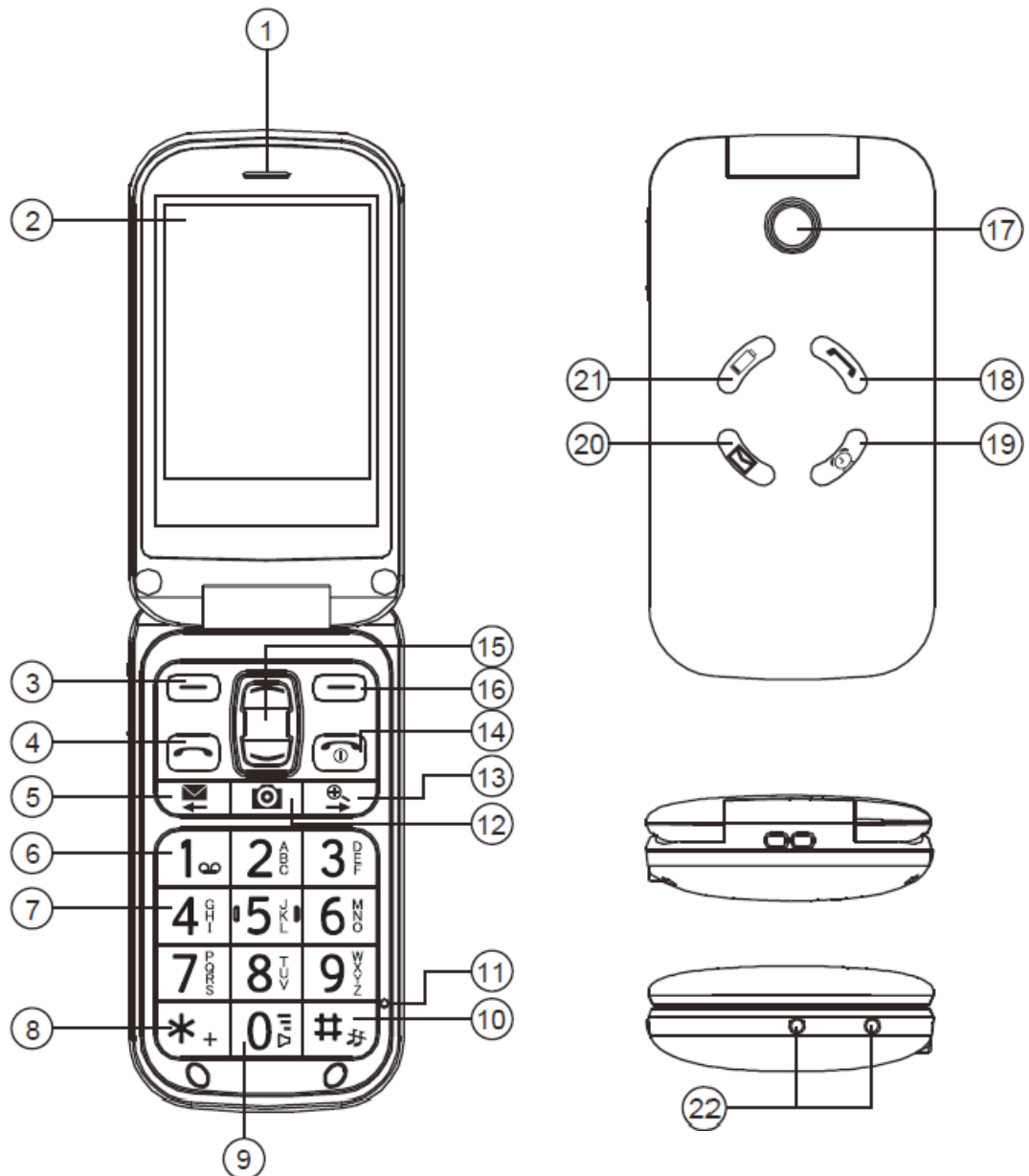
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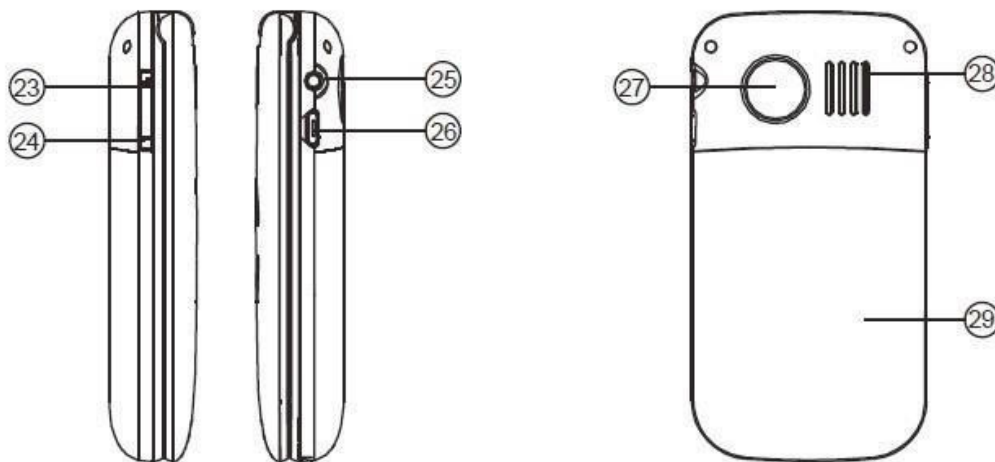
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1. Mobile phone description



1. Speaker
2. LCD display
3. Left function key
4. Connection key
5. Messages/Left
6. Voice mail
7. Numeric keypad
8. Asterisk/font size change MENU
9. Loud-speaking mode with headphones connected
10. Silent mode
11. Microphone
12. Camera
13. Magnifying glass/Right/Font size increase in read messages
14. Disconnection key/Turning on and off the mobile phone
15. Navigation keys: **Up** and **Down**
16. Right function key
17. Camera
18. Green diode (missed call)
19. Orange diode (alarm clock is on)
20. Blue diode (new message)
21. Red diode (charging)
22. Desktop charger sockets



- 23. Volume up/time voice hint - holding the key at the flip closed
- 24. Volume down
- 25. Headphones outlet
- 26. Charging socket/USB
- 27. SOS key
- 28. Speaker
- 29. Rear battery cover

2. SIM and MicroSD card installation

There is the SIM card socket under the battery.

Before the card installation make sure that the mobile phone is turned off and is not connected to a power supply or any other accessory.

- ⑤ Place the mobile with its rear part up, catch the battery cover, move it down and take out.
- ⑤ Move the card socket cover slightly down to unlock it.
- ⑤ Carefully slot the SIM card to the socket and close the cover.
- ⑤ Under the SIM card socket there is a room for the MicroSD card. Move the pin towards *OPEN* and lift it up. Insert the MicroSD card to ensure that the MicroSD card terminals touch the telephone connections, close the pin towards *LOCK*.

Be careful during the memory card operation, in particular when you insert and remove it. Before use, some memory cards require formatting with the use of a computer. If you use SD cards, regularly prepare back-up copies of information available in cards used in other devices! Any improper use or other conditions may cause damage or loss of the card contents.

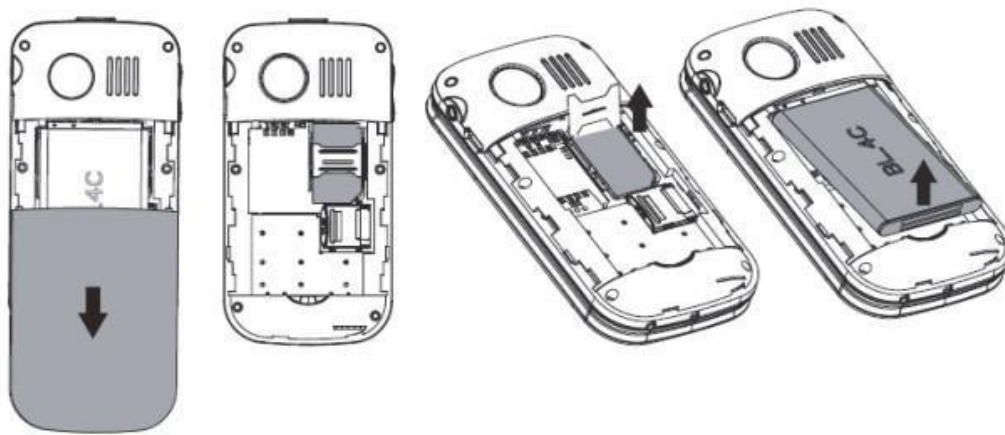
- ⑤ Inserting the battery make sure that +/- terminals are pointed up.

3. SIM card precautions

- ② Turn off the mobile and wait a few seconds before you insert or remove the SIM card.
- ② Handle the SIM card carefully, do not bend or scratch it.
- ② If the SIM card is inserted improperly or damaged, inscription “Insert SIM card” will appear on the screen after the mobile is turned on. Make sure that the card is inserted properly and is not damaged before you turn on the phone again. If inscription “Insert SIM card” appears on the display again, contact your GSM network Operator for replacement.

4. Battery and rear cover installation

- ② Insert the battery gently and make sure that the metal terminals are placed in an appropriate position.
- ② Install the cover moving it up until you hear a characteristic click.



4.1 Charging

Never use a charger or a battery which has been damaged or produced by another manufacturer. Parts of other type or any modifications may cause damage to the mobile or constitute a violation of the rules for radio devices and, consequently, the guarantee loss.

If the battery is low, the display shows an empty battery symbol and a sound signal is heard (if the alert sound is on). Connect the charger with the socket to charge the battery.

The lines on the battery charging indicator will appear and disappear during the charging process to stop when the phone is disconnected from charging. The total battery charging time is around 3 hours.

Attention!

The ambient temperature during the charging must be between 0°C do +40°C.

Batteries are degraded with time. Consequently, their charging time will get shorter.

4.1.1 Desktop charger (option)

In the case of a desk charger, first attach a small network charger connector to the desk charger outlet, and then connect the charger to the socket. Now put the mobile to the desktop charger terminals down to charge the battery.

4.2 Illuminated icons

- ① When  is blinking, you have an unanswered SMS.
- ① When icon  is blinking, the battery is charging.
- ① When icon  is blinking, you have missed calls.
- ① When icon  is blinking, the alarm is on.

5. Writing text

You may write any words, numbers, symbols and punctuation marks.

Press “#” to select the size of letters and enter numbers while SMS creation. The activated text writing method is visible in the top left-hand corner of the display.

Press “*” to screen the table of symbols. Navigate the table by means of keys **Up/Down/Left/Right** in order to enter symbols. Select **OK** to enter a desired symbol.

5.1 Changing font size in the mobile phone

You can change font size in the mobile phone menu by holding key “*” on the main display. The font will get smaller or bigger. To reverse the operation hold the same key once again. You can also change font through the menu:

Menu>Settings>2 mobile phone settings>6 font size

5.2 Changing font size in an SMS

You can change the font size while reading an SMS. hold "**Magnifying glass**" key to do that. The font will get smaller or bigger. Hold the same key again to reverse the operation.

6. Basic operations

6.1 Turning on the mobile

Press and hold key  on the keyboard to turn on/off the phone.

If the SIM card is protected by the PIN code, enter it and confirm with the left function key. Use the right key to delete the digits in case of an error.

Attention!

If the PIN and PUK codes have not been provided with the SIM card, contact your network operator.

If the PIN code is entered incorrectly 3 times, the telephone will be blocked and the PUK code entry will be required.

- ⊖ Enter PUK code and confirm "OK".
- ⊖ Enter your new PIN code and confirm "OK".

6.2 Changing language time and date

The language, time and date must be set while the telephone is used for the first time.

If the network operator serves the automatic date and hour adjustment, in the course of installation you may be asked whether you want to save the settings suggested by the device operator.

6.3 Making a connection

Enter a telephone number. Press **“Delete”** to remove the numbers in case of misdialling.

Press  to select. Press **“Stop”** to cancel the connection.

Press  to finish the connection.

Attention!

When you make an international connection, press **“*”** twice to add international prefix **“+”** before a country code (instead of 00).

6.3.1 Selecting a number from the phonebook

In the standby mode, press left function key **Menu** to enter the main **Menu**. Use keys **Up/Down** to enter the **Contacts** and press the left function key to select.

If you are looking for a specific number, enter the first letter of the name and select the desired contact.

Press  to select the number.

Fast method: in the standby mode press the right function key **Phonebook** to enter the contacts.

6.4 Accepting a connection

Press  to answer. You can also reject a call by means of the **Red Receiver** . Press  to stop the call.

6.5 Volume adjustment

Use side key +/- to adjust the volume during the call. The volume level indicator is visible on the display.

Attention!

The headphones set used at loud volume may impair hearing.

Carefully adjust the volume during the operation.

6.6 Symbols on the display

	Signal intensity		Headphones connected
	Sound signal only		Battery level
	Sound signal + vibrations		New SMS
	Vibrations only		Roaming on
	Alarm on		Silent

6.7 Additional functions during the call

During the call press the left function key to enter the **Options**.

Among options you may select the following actions:

Hold	Holding a call
Finishing the connection	Finishing the call (like by means of )
New connection	Initiating a new connection or adding a new number to the contact list during the call
Phonebook	Searching in the phonebook in order to start a new call or edit information
Messages	Entering the Messages
List of connections	Entering the list of connections initiated
Dictaphone	Turning on the recording
Turning down	Turning off the microphone
DTMF	Turning on or off the tone signalling

6.7.1 Loud-speaking mode

During the conversation press the right function key to turn on the loud-speaking mode. The loud-speaking mode allows for a conversation without keeping the mobile to the ear. The distance between the mouth and the microphone may be up to 1 metre to make your voice understood. Use side keys +/- to change the volume.

Press the key again to restore the normal mode.

6.7.2 Call waiting

If somebody wants to get through to you when you are having a call, a signal will be heard. Then you can hold the current connection through **Options**. You have to enter **Settings>Connection settings>Waiting call** to activate this service.

During a call, the number you are connected with and the connection duration is being displayed.

If the speaker identification option is off, information “unavailable”/“unknown” will be screened.

7. Phonebook



The phonebook may store 300 names.

7.1 Creating a new contact

- ⊖ Press **Menu**, where the first item displayed is **Contacts**. Press **OK**.
 - ⊖ Select **Options** and **New Contact**.
 - ⊖ Select whether the contact is to be saved on the SIM card or in the telephone memory.
 - ⊖ Enter the contact name and number.
 - ⊖ If the contact is saved in the telephone memory, you may also add a photo and a special track.
- Go to other items pressing Up/Down.
- ⊖ Select **Options>Save** to save the contact.
 - ⊖ Press , to show the main screen, **Delete** to delete a letter/number, or **Back** to return to the previous **Menu** view.

Attention!

While entering international numbers, start with “+” (instead of “00”).

7.2 Quick dialling

You can program 8 numerical keys of the mobile (2-9) to make instant connections.

Key 1 is reserved for the voice mail.

7.2.1 Programming keys

Save a contact in the phonebook to program quick selection keys.

- ⊖ Press **Menu>Contacts**. Press OK.
- ⊖ Select **Options>11 Settings>2 Quick selection**. Press OK.
- ⊖ Select **Status>Turn on** to activate the fast selection
- ⊖ Select **2 Choose numbers**, by means of keys **Up/Down** select a key you want to connect with a contact and press **Edit**
- ⊖ Find an appropriate contact with the use of the keyboard, **Up/Down** keys and confirm with key **OK**.

Do the same with other keys.

7.3 Phonebook entries management

⊖ Press **Menu**; **Contacts** is the first item to be screened. Press OK.

⊖ Select any contact and press **Options**.

New contact	See: creating a new contact
View	Views contact data
Send SMS	Sending an SMS to a selected number
Send MMS	Sending a multimedia message
Connect	Makes a connection with a selected number
Edit	Possibility of changing the name or number of the contact
Delete	Removing a selected contact
Copy	Copying a contact to the SIM card/telephone memory
Transfer	Transferring a contact to the SIM card/telephone memory
Select a few	Sending an SMS to selected contacts or removing the selected contacts
Settings	See: Phonebook settings

7.4 Phonebook settings

 Press **Menu** to see **Contacts** as the first screened item.

Press **OK**.

 Select **Options>Settings**

Data saving place	Selection to save on the SIM card or in telephone memory
Quick dialling	Possibility to activate the selection of desired numbers with one key. See: Quick dialling
Additional numbers	You can set certain numbers
Memory status	Screens the current mobile and SIM card memory status
Copy all	Possibility to copy all contacts from the SIM card to the telephone and the other way round
Transfer all	Possibility to transfer all contacts from the SIM card to the telephone and the other way round
Remove all contacts	Possibility to remove all contact from the SIM card or the mobile. Provide the password to confirm the operation.

Messaging



7.5 Creating and sending messages

- ① Select **Menu** and go to **Messages**
- ① Select **New message**, and then **SMS**.
- ① Select **New message>MMS** to create a new MMS
- ① Enter the content of the message and click **Options**
- ① Select **Send to** in order to enter the receiver. You can also select the receiver from the contacts. You can select several receivers of a message.

Writing a message press **Options** and select:

- ① Insert symbol (Enter a symbol) to add symbols to the message
- ① Writing mode to select between PL, pl, Abc or numbers
- ① Writing method to change the language of SMS writing
- ① Insert a template to enter a ready SMS message
- ① Add a sound/video/subject (for an MMS only) to add a file or subject to an SMS
- ① View MMS (for an MMS only) to see the MMS
- ① Slide options (for an MMS only), to set slide options
- ① Save to save the message



Advanced to select one of the following options:

Insert a template (MMS)	Inserts one of the saved sentences
Insert a schedule (MMS)	Adds any file to the message (switches to an MMS)
Insert a number (SMS)	Enters a selected number from the Contacts
Insert a name (SMS)	Enters a selected name from the Contacts
Insert a bookmark	Inserts an Internet bookmark

Attention:

Stressed letters, symbols and letters characteristic of Polish language (ą, ć, ę, ł, ń, ó, ś, ź, ż) take more space limiting the number of marks a single SMS may consist of.

An SMS may be sent even after exceeding the acceptable number of marks. Longer messages will be sent as two or more messages. The service provider may charge for each message an amount in accordance with the rates offered by a given operator.

7.6 Incoming box

- ① Select **Menu** and go to **Messages**
- ② Select **Inbox**.
- ③ Select a message from the list clicking **Ok** and then

View.

- ④ Use keys **Up/Down** to scroll the message and read the whole of it.

To make the message text smaller/larger press the Magnifying glass key.

- ⑤ Press **Options>Answer in an SMS** or **Answer in an MMS** to send a message to the receiver.

- ⑥ Press **Options>Call** to select the number of the Sender.

- ⑦ Press **Options>Forward** to forward the message.

- ⑧ Press **Options>Delete** to delete a message

- ⑨ Press **Advanced** to select one of the following options:

Use the number	Use the number from the message
Use the URL	Use the URL address from the message
Use the USSD	Use the USSD code
Copy to the mobile	Copy the message to the mobile memory
Transfer to the mobile	Transfer the message to the mobile memory

7.7 Items sent

- ① Select **Menu** and go to **Messages**
- ② Select **Sent**.
- ③ Select a message from the list and click **Ok**.
- ④ Select **Options>View** to see the whole message.
- ⑤ Entering “**Options**” you may send the message again, edit, delete, copy or transfer to the telephone.

7.8 Drafts

- ① Select **Menu** and go to **Messages**
- ② Select **Drafts**
- ③ Select a message from the list and click **Ok**, and then

View

- ② By means of **Options** you may send, edit, delete, copy or transfer a message to the mobile.

7.9 Outbox

- ② Select **Menu** and go to **Messages**
- ② Select **Outbox**
- ② Select a message from the list, click **Ok** and then

View

- ② By means of Options you may send, edit, delete, copy or transfer a message to the mobile.

7.10 SMS and MMS message settings

- ② Select **Menu** and go to **Messages**
- ② Select **Settings**.
- ② Select SMS to change the **Settings** of text messages.

You can select one of the following options:

SIM	Select the SMS validity period, message type, option to receive delivery reports, to set the answer path and preferred connection type
Memory status	Check the SIM card and the mobile memory status
Message counter	Check the number of messages sent and received
Save the sent messages	Select whether the sent messages are to be saved
Saving place	The preferred place of message saving

⊖ Select MMS to change the **Settings** of the multimedia messages

⊖ Click **Data account** to select the type of an MMS service.

After this option is selected, a list of WAP and MMS settings for most Polish GSM operators is displayed. Select your service provider.

In case of any problems with sending an MMS, a contact with the operator is recommended to introduce appropriate settings.

- ⊖ Click **Common settings** to configure default MMS **settings**, such as slides duration, priority, delivery report, signature or saving place.

7.11 MMS messages

To create an MMS:

- ⊖ Select **MENU**, then **Messages>New message>MMS**
- ⊖ An MMS multimedia message may contain photos, films and sounds. To add a selected element, click **Options** and select a desired item.
- ⊖ Select **Options** and **Advanced** to insert other elements, such as a template or a bookmark.

8. Emergency connections

When the telephone is on, before the SIM card is activated or the telephone is protected with a code, an SOS inscription emerges above the right function key.

Select SOS, and then Yes, to automatically connect with an emergency number. Press No to return to the previous view. If you select Yes by mistake, press the red headphone to stop the connection.

When the telephone is on, whenever you need you can dial 112 manually and select it by means of the green headphone .

Most of the networks, but not all of them, accept emergency numbers (112, 999, etc.) without an active or inserted SIM card. Contact the operator for further information.

8.1 SOS button

To initiate emergency calls press and hold SOS key for 3 seconds. The mobile will automatically send an alarm SMS to numbers from the emergency contact list, and then it will start calling undefined numbers. Unless the call is answered within 60 seconds, the telephone will select another number. The process repeats 3 times until the call is answered. Press the red headphone to call another person from the emergency contacts during the SOS mode. Press and hold SOS key to stop the SOS procedure.

Automatic calls to number 112 are not allowed. Do not write the number on the list. Remember that a service is activated as turned on in the **MENU**.

8.1.1 SOS key settings

Enter the **MENU** to enter SOS key Settings.

- ① Select **Settings** and then **In emergency**.
- ② Select **Information about the user** to enter your surname, information about the diseases, allergies and blood group.
- ③ Select **key SOS** and click option **Turn on** to turn on the service.
- ④ Select **Emergency contacts** to define emergency numbers. You can add the maximum of 5 entries.
- ⑤ Select item **Emergency SMS** for the mobile to make a connection and send an SMS to emergency numbers.
Click **SMS content** to change the content of the message.
- ⑥ Select **Alarm SOS** to turn on or off the sound signal.

8.2 List of connections



All answered, missed and selected numbers are saved in the list of connections. The memory may contain the maximum of 20 latest connections.

Selecting the latest connections

If you press the green receiver , all latest connections will be displayed.

If you enter the main **Menu**, find the **List of connections** and press OK, and you will be able to review the connections in groups.

1. Missed calls
2. Outgoing calls
3. Answered calls

You can also clean the register and check the time of the calls.

 Press  to select a number or select **Options** to make use of the following functions:

View	Shows details of the connection
Connect	Connects with a selected number
Send SMS	Sends an SMS to the selected number
Send MMS	Sends an MMS to the selected number
Enter in the phonebook	Saves a number in the Contacts
Edit before connection	You can change the number before making the connection
Delete	Deletes a connection from the list



9. Camera

The mobile has an option of taking photos and recording videos. Press the left function key to select the option. A photo is taken by pressing a key .

Select function Switch to camera in the Options **to record a video**. Press the left function key to set recording options.

Recording starts after pressing key

 . Press  again to pause. Press the right function key to finish.

This function requires the installation of MicroSD card (not included in the accessories) and set saving on the memory card **Options>Memory>**click option **Memory card**.

10. FM radio



The mobile can receive radio waves at frequency from 87.5 to 108.0 MHz.

Attention: In case of poor radio signal, connect the headphones to the telephone. The headphones cord serves as an aerial.

- ⊖ In the standby mode click **Menu** key and find **Radio FM** by means of **Up/Down** arrows.
- ⊖ You can adjust volume with keys +/- **Left/Right**, select a channel or frequency.
- ⊖ Press **Down** to stop radio playing.
- ⊖ Press the left function key to select the following options:

⊖ You can define selected radio stations under 1-9 keys and scroll them one by one with keys * and #.

⊖ Press the red receiver  to return to the main Menu.

Press “camera on” key to start recording the radio. Press the right function key to finish recording.

11. Multimedia

11.1 Audio player

Play the audio files saved in the mobile or on the memory card. The telephone can play all WAV, AMR extension files. Some audio file types cannot be played in the mobile or the mobile “does not see them”. The files to be recorded from the memory card must be saved in My Music folder.

While playing, press the following keys: **Up** - play/pause; **Left** – the previous track; **Right** – the next track.

Press side key +/- to adjust the volume of the player.

Press the left program key [List] to open the playlist; press the left program key [Options], to enter the menu of the recorder.

If the playlist is empty, only functions 'Add' and 'Settings' will be available.

If the playlist is not empty, you can apply the following actions to each option: Play, Details, Add, Delete, Delete all and Settings.

You can select the following setting options:

Playlist: containing the telephone or memory card files

Replay: Replay the song or the playlist.

Play at random: the songs will be played at random.

Play in the background: Turn on or off the option of playing background music (when the display returns to the standby status).

11.2 Video player

This menu allows for recording video recordings saved in the mobile or the memory card. The mobile can play files with 3GP and AVI extension. Some video file formats may not be played by the mobile. The mobile has video file size

and length limitations. Video files must be saved in Videos folder to be reviewed from the memory card. Press Camera key to start/pause playing a video file.

Enter the video files player, press key Options to carry out the following actions: Play, Send, Change name, Delete, Delete all files, Sort according to, Memory.

11.3 Dictaphone

You can record telephone calls, music or surrounding sounds:

⊖ Select **Menu>Multimedia>Dictaphone**, or **Options>Dictaphone** during a call

⊖ Press right MENU key **(Stop)** to stop recording.

Default tracks are saved in folder **Files manager>Mobile>Audio**.

⊖ You can change the file quality and saving place into SD memory card.

⊖ Select **Dictaphone >Options>Settings**.

12. Alert



It is possible to set five alerts. They may be single or regular alerts for selected days. When an alert appears, press **Stop** to stop it or **Nap** to postpone the alarm to the time set. **Setting the alert:**

- ⊖ Press **Menu** and go to **Alert**.
- ⊖ **Select** one alert.
- ⊖ Select **Edit** to activate the alert.
- ⊖ Select On/Off by means of Right/Left keys.
- ⊖ Set the alert time and the nap time.
- ⊖ Select **Repeat** to select the alert once, every day or on selected days.
- ⊖ Select **Alert sound** to change the alert sound.
- ⊖ Select **Alert type** to turn on the sound, vibrations or both.

13. Calculator



- Press **Menu** key and go to

Calculator.

- Enter digits by means of the keyboard.
- Use “#” to insert a coma and **Up/Down** arrows to select operation (+, -, x, ÷).
- Press left function key “OK” to confirm the operation selection and go on to entering another digit.
- Reselect “Ok” to obtain the result or select “=” by means of the arrows and press “OK”.

14. Tasks



- Press **Menu** and go to **Tasks**.
- Select **Add** to add a new alert.
- Now you can set the task details selecting from the following selecting from the following options.

Subject	Task name, e.g. “Dinner with Jan”
Priority	Choose the task priority
Time and date	Date and hour of the task initiation
Alert	Turn on/off the alert and set

	its starting time
Repeat	Set the task repetition
Details	Select Options to add information about the task
Status	Change the task status to completed or uncompleted

15. Settings



15.1 Sound settings

- ① Click **Menu>Settings>Users' profiles**. Then select a profile.
- ② Click **Options** and then **Activate** to activate the profile. If you want to change a profile **Settings**, select **Adjust**.
- ③ Select **Alert type** to turn on or off the mobile sound and vibrations.
- ④ Select **Sound type** to set whether the track is to be repeated.
- ⑤ Select **track sound** to set the track.
- ⑥ Select **track volume** to change the volume of the

incoming track sound.

- ⊖ Select **Message** to select an SMS sound.
- ⊖ Select **Message volume** to change the volume of the message sound.
- ⊖ Select **Keyboard** to change the keyboard sound.
- ⊖ Select **Key sound** to adjust the key sound volume.
- ⊖ By means of items 9 – 13 you may set one by one:
mobile turning on/off sound, flip turning on/off sound and turning on/off the warning sounds.
- ⊖ Select **Incoming number** to turn on or off the function allowing for hearing the incoming number during the call (on condition the number identification is on)
- ⊖ Choose profile **Mute** to turn off all mobile sounds.

You can also hold "#" key in standby mode to turn on/off the sound.

15.2 Setting date and hour

- ① Select **Menu>Settings>Mobile settings>Date and hour**

It is also here that you can set the manner of their screening, a time zone and automatic date and hour update.

15.3 Planning turning on/off the phone

- ① Select **Menu>Settings>Mobile settings>Planned turning on/off the mobile.**

The function enables setting the time of turning on or off the mobile.

If the turning on and off time is the same, no action will be taken.

15.4 Language

- ① Select **Menu>Settings>2 mobile settings>3 Language**

The mobile **Menu** default language is defined through the SIM card. You can change the language into one of the 11 available ones.

Press:

- Menu
- Settings  (9x"Down" key)
- OK

- 1x"Down" key
- OK
- 2x"Down" key
- OK>Select language
- By means of **Up/down** keys find the language you want to set and confirm your choice pressing "OK".

15.5 Display

You can select 1 of 5 available system wallpapers or a photo/graphics from your own gallery.

Select **Menu>Settings>Mobile settings>Display**.

⊖ Select the gallery you want to use: your own or the system one.

⊖ Use keys "Left"/"Right" to scroll the wallpapers.

Confirm your choice.

⊖ In the display **Menu** you can also set the date and hour, the operator's number and your number visibility on the screen. The display of the user's number depends on the SIM card.

15.6 Plane mode

- ② Select **Menu>Settings>Telephone settings>Plane settings.**

All radio connections are off in the plane mode.

15.7 Font size

You can select the mobile menu font size from medium and large.

15.8 Backlight

Setting the display contrast and time necessary for the backlight to turn on.

- ② Select **Menu>Settings>Mobile settings>Backlight.**

Select contrast and the backlight time, make the change by means of Right/Left keys.

15.9 Setting connections

Most of the following functions are network services offered by the operator. If the operator offers a service, an appropriate configuration may be made.

Select Menu>Settings>3 Setting connections and select one of the following options: Number identification	Turn on or off displaying the speaker's number
Pending call	Possibility to turn on the pending call service
Forwarding calls	Possibility to turn on forwarding connections in certain situations
Call barring	Possibility to bar selected call types
Switching lines	Switching lines during a call
Advanced	Possibility to activate redialling, turning on sound reminder of a call time, activate automatic connection break and selecting a call answering method

15.10 MENU items configuration

You can select less important **MENU** items and turn off their display in the mobile phone.

⊖ Select **Menu>Settings>Hide menu item**. Then, turn on or

off displaying the selected functions and confirm with the right function key.

15.11 Network services

- ⊖ Select **Menu>Settings>Network settings**
- ⊖ Select one of the following options and press **OK** to confirm.
- ⊖ Press **Select network** to **Search for available networks**, **Select network** and set **Selection mode** between **Manual** and **Automatic**.
 - ⊖ Select **GPRS connection** to determine whether you want to make use of GPRS network.
 - ⊖ Select **Pref. GPRS transfer** to determine what is to be sent via GPRS.

15.12 Protections

Your mobile phone has various codes/passwords to prevent the use of the mobile and the SIM card by unauthorised people. Enter your password whenever you are asked to and press OK to confirm.

If you enter a wrong password, press the right function key to remove wrong characters and enter them correctly.

Various options which refer to the PIN/PUK code and telephone password/code options are available in **Menu>Settings>Protection settings**.

- ① Select **Menu>Settings>Protections settings**.
- ① You can select a function from the following list:
 - ① SIM protection

Here you can turn on/off the demand for the PIN code at turning on the mobile, or change the PIN and PIN2 code. **The PIN code is available with the SIM card.**
 - ① Telephone protection

You can turn on/off the telephone lock code or change the code. The default code is 1122.

15.13 Connection

15.13.1 Bluetooth

Thanks to Bluetooth connection you may send and receive files. You can also connect other devices, e.g. a wireless headphone set.

- ① Select **Menu** and go to **Settings**
- ① Select **Connectivity** and then **Bluetooth**
- ① In Bluetooth **Menu** you can choose from the

following options:

Bluetooth status	Turn Bluetooth on or off
Visibility	Turn on for others to be able to find your mobile
Auxiliaries	Devices you have already connected with
Device name	Select name for your device

15.13.2 GPRS connections

The mobile has setting connections for some operators' WAP/MMS and GPRS. Select: **Menu>Settings>Connectivity>Data accounts** to edit/delete/add an account.

You can obtain a correct configuration from your operator. Some operators enable remote mobile phone configuration.

15.14 Restoring default settings

Select **Menu>Settings>Restore default settings** to reset all mobile **Settings** and restore the standard ones. Enter the telephone lock code (default 1122) and press **OK** to confirm. All default settings will be restored. Press **Back** to escape.

16. Files manager

Menu>Files manager

The available memory is shown in the files manager (mobile or memory card). The total and free memory is displayed.

Press the left program key [Options]:

- Open – select to open a desired folder
- Format – to format a desired drive
- Details

The following options are available on opening the folder and pressing the left program key:

- Open
- Create a folder – to create a new folder in a selected location
- Change folder name
- Delete the present folder
- Sort according to: Sort the display order

Press the left program key to open a selected file and press the left program key [Options], to have access to other functions.

17. Services

Menu>Services

17.1 SIM services

Regardless of the mobile phone functions, the SIM card may offer additional services. The name and functions of the menu depend on the type of the available services.

17.2 WAP

The browser in the mobile enables to make use of various WAP services.

The telephone has settings for some operators. To activate them you have to select:

Menu>Services>WAP>Settings>Data account and select the operator.

The size of the phone display may make sites look different than the original ones. Some details of the websites may not be visible. Contact the service provider for the availability of the services and the pricelist.

You can obtain configuration settings necessary for browsing from the operator. Some operators enable remote mobile phone configuration.

18. Safety and safety precautions



Please read the following rules and regulations. Any failure to observe them may be dangerous or illegal.

Read the whole User's guide for more information.



Turn off the phone in the vicinity of chemical plants, petrol stations and other places making use of explosives.



The device and its accessories may contain tiny parts. Keep your mobile away from children.



While driving a car use the headphone set for safety reasons.



Turn off the phone before boarding a plane and do not turn it on during the flight.



Please be careful when you use your mobile near devices such as cardiac pacemakers, hearing aids and other medical equipment which may be interfered by the mobile.



There is no guarantee on accessories which are not original.



Never try to dismantle the phone by yourself. In case of any problems with the device, contact the manufacturer.



Never charge the phone without the battery in. For safety reasons do not talk via the phone when the charger is connected.



Charge your mobile in well ventilated rooms and keep it away from flammables and explosives.



Keep your phone away from magnetic substances, such as credit cards or magnetic discs to avoid demagnetisation.



Keep the mobile away from liquids. In case of drowning or erosion contact the manufacturer.



Avoid using the phone in too high or too low temperatures and avoid direct impact of solar radiation.



Do not place the mobile near heating installation, e.g. a radiator, a heater, an oven, a central heating furnace, a fire, a grill, etc. Never expose your mobile to sun, high humidity or dusted area.



Do not use liquids or wipers soaked with strong detergents.



Wireless mobiles may be sensitive to interference which may influence their efficiency.

Use only accessories and batteries approved by the manufacturer. Do not connect any incompatible products.



Use only in normal position determined in the product documentation. Do not touch the aerial without reason.

Working environment

Remember about the necessity of complying with the specific rules of places you visit. Always turn off the device if its use is forbidden or may cause interference. The device must always be used in its regular operation position.

The device complies with the rules governing radiation if used in its normal position by the ear or within the minimum of 2.2 cm from the body. If the device is kept close to the body, e.g. in a belt holster, such objects should not contain any metal elements, and the product should be placed within the foregoing distance from the body. Make sure that you keep the foregoing distance until the transfer is over.

The device has magnetic elements, and therefore it may

attract metal devices. Do not keep credit cards or other magnetic carriers in the vicinity of the device due to the risk of losing the stored information.

Medical devices

The use of accessories which transmit radio signal, e.g. mobile phones, may interfere with the work of an inadequately secured medical apparatus. Should you have any questions or doubts whether the apparatus is properly protected from the influence of external radio signal, consult the doctor or the manufacturer of the apparatus. If there is information that the device must be off during the time of your visit in a health care institution, please comply with the instructions. Hospitals and other health care institutions often make use of devices which may be sensitive to external radio signal.

Cardiac pacemaker

Cardiac pacemaker manufacturers recommend to keep the minimum of 15 cm distance between the mobile phone and a pacemaker to avoid the risk of interference with the pacemaker's work. These recommendations comply with the independent Wireless Technology Research. People who have a cardiac pacemaker should:

- always keep the device within the minimum of 15 cm distance from the pacemaker
- do not keep the mobile in a chest pocket
- keep the device by the ear, opposite the pace maker to decrease the risk of interference.

If you suspect there is a risk of interference, turn off the device and carry it further.

High risk areas

Always turn off the mobile phone in areas where the risk of an explosion is present, and follow all marks and instructions. Explosion probability is present in areas where a car engine should be off. Sparks may cause an explosion or fire which in turn may trigger serious injuries or even death.

Turn off the mobile phone at petrol stations and in garages. Follow warnings which refer to the use of radio accessories in the vicinity of places where fuel is stored and sold, chemical plants and areas where explosives are blasted off.

Places posing a risk of explosion are usually, however not always, clearly marked. It also refers to bottom decks of ships transporting chemicals; vehicles making use of liquid fuel (such as propane or butane); areas where air contains chemicals or particles, such as fibres, dust or metal dust.

Emergency calls

Mobile phones, such as this device, make use of a radio signal, mobile phone network, terrestrial network and functions programmed by the user. This means that there is no guarantee that connection in any circumstances will be possible.

Therefore, in emergency such as calling the ambulance, do not rely on the mobile phone only.

Hearing aids

This device should work with all hearing aids available in the market. However, we cannot guarantee its total compatibility.

Vehicles

Radio signals may exert impact on electronic systems in mechanical vehicles (e.g. electronic fuel injection, ABS, automatic cruise control, air bag system), which were installed incorrectly or are inadequately secured. Contact the manufacturer or distributor to obtain information on your vehicle or its additional options.

Do not store or transport flammable gases or explosives with this device or its accessories. In the case of vehicles equipped with air bags: remember that air bags are filled with air with considerable fill power. Do not put any

objects, in which stationary or portable radio devices within the area above the air bag or where the air bag may inflate. In case of an incorrect installation of mobile phone accessories, there is a risk of causing serious damage while the airbag is filling with air. The use of the phone during flight is forbidden. Turn off the device before you get on a plane. The use of wireless telecommunication devices may cause serious risk for the flight safety and cause communication interference. The foregoing may also be illegal.

INFORMATION ABOUT CERTIFICATIONS (SAR)

This model meets the international radio waves directives on radio wave interference. This device is a transmitter and radio wave receiver. Its design prevents from exceeding the limitation of radio wave impact recommended by international directives. These directives have been issued by an independent scientific organisation ICNIRP providing for a safety margin to guarantee protection of all people regardless of age or health condition. These directives use a measurement unit referred to as the Specific Absorption Rate (SAR) – proper absorption. The extreme SAR coefficient value determined by ICNIRP for portable devices equals to 2.0 W/kg. SAR value is measured at the greatest transmission power, and the real volume during the device operation is usually below the foregoing level. The reason for that is the automatic changes of the device power level which ensures that the device uses only the minimum required for connection with the network. Despite the possible differences in SAR coefficient values of various mobile models, and even in the case of various use positions, all of them comply with the rules concerning safe radiation level. According to the World

Health Organisation, the research has indicated that there is no need of applying any particular restrictions in the use of mobile phones. They also point out that radiation reduction requires the limitation of call length or the use of a headphone or loud-speaking system during a call to avoid keeping the mobile close to the body or head.

In the case of this model, the highest measured SAR value in tests is equal to 0.510W/kg.

SAR values may differ according to state reporting and testing requirements, or to the band frequency in a particular network.

PROTECT YOUR HEARING



Long-time contact with loud sounds may cause hearing impairment.

Listen to music at moderate level and do not keep the device close to your ear while using the speaker. Turn down the volume before you connect the headphones.

19. Troubleshooting

It is impossible to turn on the mobile	
The battery is charging slowly	Connect the power supply and charge for several hours
The battery has been installed incorrectly	Remove and insert the battery again

It is impossible to charge the battery	
The battery or the charger is damaged	Check the battery and the charger
The battery is being charged at temp. $<0^{\circ}\text{C}$ or $>40^{\circ}\text{C}$.	Improve the charging environment
The power supply is improperly connected to the telephone or the socket	Check the power supply plug

The standby time is shortening	
The battery efficiency is too low	Install a new battery
The mobile is situated too far from the base, it is still searching for the signal	Searching for the network absorbs very much power. Find a place with a good signal or turn off the mobile for some time.

An error occurs while calling and receiving calls	
Call barring is on	Turn off call barring in Settings . If it does not work, contact the operator.

The PIN code has not been accepted	
An incorrect PIN code has been entered too many times.	Enter the PUK code or contact the network operator.

The SIM card error	
The SIM card is damaged.	Check the SIM card condition. If it is damaged, contact the network operator.

The SIM card is installed incorrectly	Remove the card and insert it again.
The SIM card is dirty or damp.	Wipe the terminals of the SIM card with a dry piece of cloth.

An error of connection with the network	
The SIM card is damaged.	Check the SIM card condition. If it is damaged, contact the network operator.
No GSM service signal.	Contact the network operator.
Too poor signal.	See below: poor signal

Poor signal	
Too far distance from the network base	Try again from another place.
Network overload.	Try again later.

Echo or noise	
Local problems with a poor signal	Disconnect and dial the number again. This may connect you with another network transmitter.

An error occurs while adding a new contact	
The mobile memory full	Remove the existing contacts to provide free memory

An error of a function setting	
The function is unavailable or served by the network.	Contact with the network operator.

20. Service and maintenance

Your device is a technically advanced product and should be handled with utmost care. Any negligence may cause the guarantee cancellation.

- The device must be protected from moisture. Rain, snow, moisture and liquids may cause the electronic circuit corrosion. If the device gets wet, remove the battery and do not insert it into the device until it is totally dry.
- Do not use or store the device in dusted or contaminated places. The movable parts' or electric subassemblies' elements may get damaged.
- Do not store the device in hot places. High temperatures may shorten the service life of electric devices, damage the battery, cause interference or melting of the plastic elements.
- Do not store the device in cold places. If the device is brought to a warm place and acquires normal temperature, it may condense inside, which, in turn may trigger damage to the electronic circuits.
- Do not try to open the device applying a method other than the one presented in the guide.
- Handle the device with care. Do not drop it, do not hit it. Damage caused by inappropriate use may damage the tiny mechanism and you may lose your guarantee.
- Do not use any chemicals to clean the device.

The foregoing instruction refers to the device, the battery, the power supply and other accessories. If the telephone does not work properly, please contact the point of purchase. Do not forget to provide the receipt or the invoice copy.

Guarantee and technical details

This product is subject to a guarantee for 24 months from the date of purchase. In case of any failure within this time period contact the point of purchase. The purchase confirmation, such as a receipt or an invoice is **essential** to have your complaint acknowledged.

The guarantee does not cover the damage which has occurred as a result of improper use of the device, such as pouring, negligence, improper maintenance, breaking or damage caused to its elements. Moreover, the guarantee does not cover any damage caused as a result of a storm or other power oscillation. As a precaution we recommend to disconnect the charger from the power supply during a storm. The guarantee does not cover accessories which are not original or possible damage which occurs in the course of their use.

Technical specification:

Network: 900/1800

Dimensions: 100.8 mm x 52.5 mm x 9.8 mm

Weight: 95 g (with the battery)

Battery: 3.7V/800 mAh Li-ion battery

Charger:

Manufacturer: AQUIL STATR PRECISION
INDUSTRIAL(SHENZHEN)CO.,LTD

Model: ASU30e-050050

Rated input: 100-240V~ 50/60Hz 0.3A

Output: 5Vdc, 500mA (L.P.S.)

or

Manufacturer: BaiJunDa Electronic CO.,LTD

Model: UT-003E-698

Rated input: 100-240V~ 50/60Hz 0.15A

Output: 5Vdc, 500mA (L.P.S.)

21. Information concerning environmental protection



The set contains a Li-ion battery. Spent batteries are harmful to the environment. They should be stored in a special point, in a special container, in accordance with the applicable rules. No batteries can be disposed of as municipal waste; they must be returned to the battery collection point.

THROWING BATTERIES TO FIRE IS FORBIDDEN!



Attention: This device is marked with a symbol of crossed out skip in accordance with European Directive 2002/96/WE and Polish Act on the Used Electric and Electronic Equipment.

Such marking informs that after the period of use finishes, the equipment must not be placed with other household waste.

Attention: this device must not be disposed of as municipal waste!!! It must be recycled via a selective collection in specially provided points.

Proper handling the used electric and electronic equipment helps avoid consequences which are harmful for human health and the natural environment, and result from the presence of hazardous components as well as improper storage and processing of such equipment.



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Declaration of conformity 20/2013/EC

Maxcom S.A., ul. Towarowa 23a, 43-100 Tychy with total responsibility declares that:

**Dual-band GSM mobile phone for use in public networks
900/1800MHz**

Maxcom MM820BBPLUS with a charger

complies with Directive of the European Parliament and Council 2011/65/UE as of 8 June 2011 on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, and it meets any and all key requirements of Directive 1999/5/EC - R&TTE (Radio and Telecommunications Terminal Equipment).

The mobile phone complies with the following harmonised standards:

**Health Protection
and Safety**

EN 60950-1:2006+A11:2009+A1:2010+A12:2011

**Electromagnetic
Compatibility EMC:**

**EN 301 489-1V1.9.2 (2011-09)
EN 301 489-7V1.3.1 (2005-11)
EN 301 489-17V2.2.1 (2012-09)
EN300 328 V1.7.1 (2006-10)**

**Specific Absorption
Rate
(SAR):**

EN50360-2001+A1:2012

Radio communication:

ETSI EN301 511 V9.0.2 (2001-03)

The conformity study procedure referred to in article 10 quoted in schedule [IV] of Directive 1999/5/EC has been carried out in collaboration with the following institution:

Bay Area Compliance Laboratories Corp., Notified Body No. 1313

Technical reports and study certificates:

Report No.: R1DG130925001-03 Health Protection and Safety
Report No.: R1DG130925001-02 Electromagnetic Compatibility EMC
Report No.: R1DG130925001-11 Radio Communication
Report No.: R1DG130925001-20 Specific Absorption Rate (SAR)

The two last figures refer to the year of CE : 13 marking

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"MAXCOM" S.A.
PROJECT MANAGER
Adam Grzyb

Tychy, 29 November 2013
town, date

full name of authorised person

Wpis do Krajowego Rejestru Sądowego Rejestru Przedsiębiorców pod numerem KRS 0000410197

ING Bank Śląski Oddział w Tychach rachunek nr : 60 1050 1214 1000 0022 6197 4329

NIP 646-25-37-364 REGON 277703221 Numer Rejestrowy GIOŚ: E0001274WZBW

Some information included in this guide may differ depending on the mobile phone configuration. It depends on the software installed, the service provider and the SIM card. We hereby reserve the right to make changes in the product and its functions without the preliminary presentation of information concerning that fact.

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