

If you notice a malfunction of your phone, please contact Maxcom technical support or return the complaint to the seller.

Direct contact number: +48 32 325 07 00

Mobile phone MM248 Brief user's manual

The phone operates on the GSM 900/1800 MHz WCDMA 900/2100 MHz network.
LTE: 800/900/1800/2100/2600 MHz. At least one SIM card must be inserted correctly before switching on.

1 INTRODUCTION

This User's Manual has been issued by the producer. Revisions and corrections due to errors, inaccuracies in current information and improvements to the phone or software may be made without prior notice, but will nevertheless be included in later versions of the User Manual. For further information and any assistance, please visit: www.maxcom.pl. The producer reserves all rights to the contents of this manual.

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2 SPECIFICATIONS

- Colour display: 2.4 "QVGA, 240x320pixels,
- Large illuminated keys
- Hands-free function
- Phone book -2000 entries
- Send and receive SMS and MMS function
- Speed dialling (2-9)
- Camera/camera 0.08MP,
- FM radio, audio player (MP3 / MIDI /AMR)
- Alarm clock, Calendar, Dictaphone, Calculator
- Torch
- Memory RAM + ROM: 48MB+128MB
- MicroSD card support: up to 32GB
- SIM card :Dual: Nano SIM+ Nano SIM
- Battery: 1000 mAh
- Standby time:100h
- Talk time: 10h
- Handset weight with battery:83g
- Measurements :51x120x14mm
- *depends on conditions and mobile network signalGSM

3 CONTENTS OF THE SET

- Mobile phone
- USB cable
- Rechargeable battery
- Quick user's manual
- Charger *(see marking on the packaging)



* Package includes a charger.



*For environmental reasons this package does not include a charger. This device can be powered with most USB power adapters and a cable with USB Type-C plug.

Caution: it is advisable to keep the packaging, it may be useful for possible transport. Please keep your receipt, it is an integral part of the warranty.

3.1 CHARGER



The power delivered by the charger must be between min 0.75 Watts required by the radio equipment, and max 10 Watts in order to achieve the maximum charging speed"

* The external power supply for the phone (Included optionally) complies with Commission Regulation (EU) 2019/1782

Model identifier	Travel Charger DCS38-0500550E
Input voltage	AC 100-240V
Input AC frequency	50/60Hz
Output voltage	DC 5.0V
Output current	0.55A
Output power	2.75W
Average efficiency during operation	70.6%(230V) 73.47%(115V)
Efficiency at low load (10 %)	-
No-load power consumption	0.04W(230V) 0.06W(115V)

4 ACCESSORIES

Use only batteries, chargers and accessories recommended by the producer of this phone. Check which accessories are available from your retailer.

5 OPERATING AND SAFETY CONDITIONS

Caution: Familiarising yourself with the following rules will minimise the risk of improper use of your phone.

- USAGE: The telephone emits electromagnetic waves which may adversely affect other electronic devices including, for example, medical equipment.
- Do not use the phone in areas where it is prohibited, e.g. hospitals, aeroplanes, petrol stations and near flammable materials. Using the phone in such areas may expose others to danger.
- Do not use your phone without the right set while driving.
- Your device and its accessories may consist of small parts. Keep your phone and its components out of the reach of children.
- SERVICE: Do not carry out repairs or modifications yourself; any faults should be repaired by a qualified service centre.
- CLEANING: The phone must not be cleaned with chemicals or corrosive substances.
- FLASHLIGHT: Do not look directly into the light source.
- HEARING AID: If you have a hearing aid, carefully adjust the volume of the phone and the sensitivity of the hearing aid accordingly.
- ELECTRONIC MEDICAL EQUIPMENT: your phone is a radio transmitter that can disturb electronic medical equipment or implants such as hearing aids, cardiac pacemakers, insulin pumps, etc. It is recommended to keep a minimum distance of 15 cm between your phone and the implant. You can seek advice on this from your doctor or the producer of such equipment.
- ELECTRONIC EQUIPMENT: To avoid the risk of demagnetization, do not allow electrical equipment to be near your phone for long periods of time.
- WATERPROOF: The phone is not waterproof. Keep it in a dry place.
- DUSTFREE: the phone is not dustproof, do not use the phone in a dusty environment.
- DISPLAY: avoid pressing too hard on the LCD display or using sharp tools as this may damage it.
- Do not short-circuit the battery terminals with metal objects, as there is a risk of explosion.
- Do not expose the device to low or high temperatures, direct sunlight or high humidity. Do not place the device in the proximity of heating installations e.g. radiator, heater, oven, central heating cooker, campfire, barbecue, etc.
- Protect your hearing!

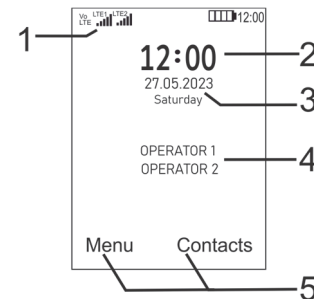


Prolonged exposure to loud sounds can lead to hearing damage. Listen to music at a moderate level and do not hold the device close to your ear when using the speaker.

6 WARRANTY CONDITIONS

The phone has a warranty, of which the proof of purchase is an integral part. Damage resulting from improper use, electrostatic discharge or lightning strikes will not be repaired free of charge under the Warranty. If the user attempts to repair or modify the product himself, this voids the warranty! The above information is provided for information purposes.

7 DISPLAY DESCRIPTION



1. Icons showing functions (table below).
2. Hour.
3. Date
4. Name of SIM1/SIM2 card operator.
5. Description of the function keys.

	Network signal		No SIM card/SIM card error
	No services		No signal/
VoLTE	VoLTE service active	LTE	LTE range
3G/ G	3G/2G range		Aeroplane mode
	New SMS / MMS		Missed call
	Vibration only (meeting profile)		Mute (silent profile)
	Outdoor profile active	R	Roaming enabled
	Alarm active		Call transfer activated
	Full battery		Low battery
Icons may vary depending on the software version		* Icon R also appears in national roaming when the subscriber is using the network of a second operator	

8 PHONE DESCRIPTION



1	Speaker	
2	Display	
3	Navigation key up down left right	In Menu : Press UP/DOWN LEFT/RIGHT to scroll through options or functions; switch settings. During a call: UP/DOWN-set the volume; In standby: UP- shortcut to camera DOWN- shortcut to AUDIO player LEFT- Shortcut to set Shortcuts to the RIGHT - shortcut to

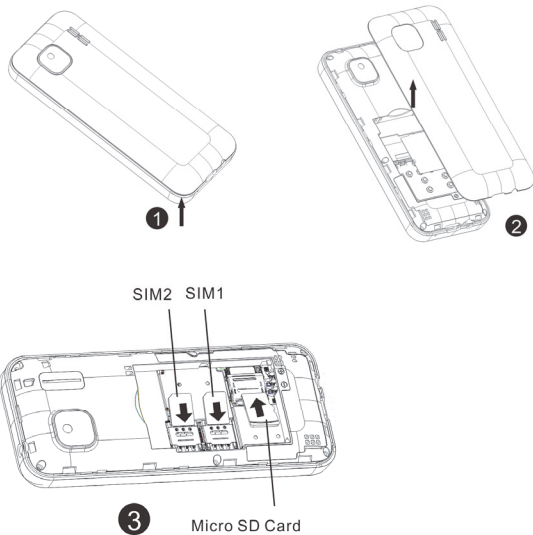
4	OK button	In standby: OK- main menu In Menu: Press OK to select the highlighted item.
5	LFK(left function key)	Function as shown in the display
6	RFK (right function key)	Function as shown in the display
7	Call key	Short press: making a call; in the stand-by mode enter the call register;
8	Call termination key	Short press: return to standby; end call.
9	Numeric keys	Short press: digit 1 Hold: voice mail 2 to 9-Short press: entry of corresponding digit Hold: dialling the programmed speed dial number *Character input: *, +, P, W. When texting: special characters #Short press : change the input mode while texting; in standby mode enter #
10	Key 0/torch	1-Short press: digit 0 Hold: switch the flashlight on/off While typing: spacebar
11	Headphone socket	
12	USB-C socket (charging contacts)	
13	Microphone	
14	Flashlight diode	
15	Ringtone speaker	
16	Camera (camcorder)	
17	Battery cover	
18	Opening the battery cover	

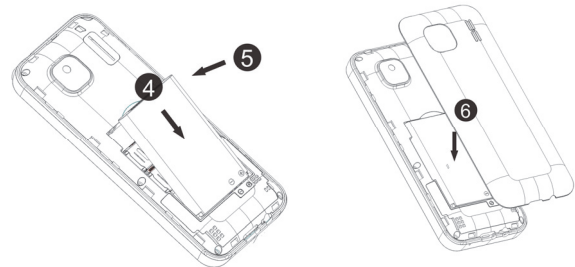
Caution: In order to save energy, the display automatically goes to sleep after a certain period of time. To activate the display backlight, press the left function key.

9 PHONE PREPARATION

9.1 INSTALLATION OF SIM CARD, SD CARD AND BATTERY

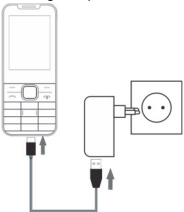
The phone is compatible with the nano SIM card (4FF). The use of other SIM cards may damage the card or the phone. You will receive the SIM card from your service provider. Keep the SIM card out of the reach of children. Any abrasion or bending can easily damage the SIM card, so take extra care when inserting, removing and storing it.
Caution: do not insert or remove SIM cards if the phone is connected to a charger. Make sure the phone is switched off before removing the battery from the phone.
Insert the SIM card into the slot so that its gold-plated connectors face down, optionally install a second SIM card, microSD memory card. See picture below:





9.2 CHARGING THE BATTERY

Caution! use the rechargeable battery included in the set. Using another battery may damage the phone and will invalidate the warranty.
Do not connect the charger when the back cover of the case is removed.
To charge the phone:



1. Connect the small cable plug to the port on the phone and the other USB connector to the charger.
2. Plug the charger into an electrical outlet. The display will indicate that the charger is connected, the dashes on the battery charge indicator will appear and disappear.
3. When the battery is fully charged, disconnect the charger from the power socket and then the cable from the phone. When the charging process is complete, the display will briefly show "Battery charged" and the battery symbol will not flash when backlit.

Caution:
Before starting the charging process, ensure that the battery is correctly installed.
Do not remove the battery during the charging process - you may damage the phone.
If the battery voltage is too low for the phone to function properly, a message will be displayed that the phone will be automatically switched off.
If the battery is completely discharged, wait several minutes after connecting the charger before the charging symbol appears.
If you have not used the phone for a long time, the battery may be in a state of so-called "deep discharge"; to restore proper operation, leave the charger connected even though nothing appears on the display. This can take up to an hour.

9.3 SECURITY CODES

9.3.1 PIN CODE

This is your SIM card's private identification code and is provided by your operator.
The PIN2 code is supplied by the operator with the SIM cards.
Some SIM cards do not support this code.
If you enter the incorrect PIN code 3 times in a row, the SIM card will be locked. It can be unlocked using the PUK code. Entering the PUK code incorrectly 10 times will lock the SIM card.
Please contact your network operator for more information.

9.3.2 PHONE LOCKING

The phone lock code prevents others from using your phone without authorisation (the original phone code is 12344422).
To protect your personal information, you should change the original phone code.
Using the phone code, it is possible to block others from using selected settings on your phone.

10 PHONE USAGE

11 TEXT INPUT

To type text, press the corresponding key until the desired letter is displayed.
Space - press the 0 key.
Full stop, comma and other characters-press the 1 key several times.
To enter a symbol or special character, press *****.
To enter a number, press and hold the number key.
To change the text entry method, press the **#** key

11.1 SWITCHING THE PHONE ON/OFF

Press and hold end key to switch the phone on or off.
1. the display will show a field to enter the phone code and PIN code (if security is enabled). After entering the phone code and PIN, the phone will enter M standby mode.
If you make a mistake when entering the PIN and phone code, you can erase the characters by pressing RFK (right function key).

When switched on, the phone automatically searches for a network
If the phone detects an authorised network, the name of the network and the signal level will appear on the screen. If a network is not found, you can only make emergency calls or use non-communication functions.

11.2 MAKING CALLS

In standby mode, enter the telephone number you wish to call.
Press the right function key "Delete" to delete the incorrect data entered.
Once you have entered the correct number, press the call key.

1. Dialing extensions.
Some extensions cannot be called directly and it is necessary, first, to connect to the telephone exchange or trunk and then dial the extension number.
- 2 Making an international call. For international calls, it is required to enter "00" or "+" before the number. To enter "+" use the "" key.
3. Dialing a number from the phone book.
Enter Contacts via the menu, use the Up/Down navigation keys to find the contact or enter the part of the name you are looking for. Press the make call key.
4. Dial a number from the call history.

Enter the Call log (press the Call key in standby mode or enter via the menu), use the Up/Down navigation keys to select the desired contact. Press Right/Left to navigate between missed, dialed, answered and rejected numbers

5 Easy dialling

If you have previously assigned contacts to keys 9 in standby, press and hold the corresponding key to make a call.

11.3 ANSWERING CALLS

In the event of an incoming call, the phone will notify you with an appropriate tone, if your network accepts caller ID, the caller's name or number will be displayed on the screen (depending on whether the caller's information is in the phonebook).
1. press the call key or the left function key to answer an incoming call.
2. If the recording option is selected in (Settings ->Calls ->Other ->Automatic call recording), the call will be recorded when you answer the call.
3. If you do not want to answer an incoming call, press the end call key. To mute the call, right function key.
4. During a call, you can use the Left/Right keys to to access your contacts-or start a recording, activate/deactivate the message speakerphone mode, put a call on hold, mute a call.... Use the Up/Down keys to adjust the call volume.

11.4 KEYPAD LOCK

To lock the keypad press the left function key and then the "" key. If the automatic keypad lock is activated(MENU>Settings>Security>Auto keypad lock), the phone will automatically lock the keypad after the set time has elapsed. To unlock the keypad press the left function key and then "".

11.5 EMERGENCY NUMBER

You can directly dial the 112 emergency service number without a SIM card. 112 is the European emergency number.

12 SAVING CONTACTS

From standby select the desired number (or select from the call list)>Press Options > Add to Contacts, select if this should be a new contact or an already saved contact, then select memory (Phone or SIM) >OK> press the centre OK key to edit the field> press LFK (save) to save the contact MEMORY

To assign a number to a key, from the MENU select: Contacts>Options>Other>Fast Dial.
Then select which key you want to assign the number to. Enter the number or select from the contact list and press OK.

13 SMS AND MMS MESSAGES

Your phone allows you to send and receive SMS text messages and multimedia MMS. When the icon  is displayed on the screen, it means that there is at least one unread message.
To enter the **SMS Messaging MENU**, select Menu>Messages>Inbox in standby mode. When the inbox is full, a message will appear that the message memory is full. Delete messages from the inbox to resolve the problem

13.1 WRITING AND SENDING MESSAGES

1. In the Menu, select Messages
 2. Select Write message
 - 2.3 Select New SMS/New MMS
 - 3.4 Add a contact from the phonebook or enter the desired number
 - 4.5 Press the Down key to go to Enter message, type your message.
 - 5.6 Press Options>Send
- If you want to send a message to more than one person, enter the next number after the semicolon when typing in the number or add the numbers stored in the phonebook.
To save the message, press Options>Save as draft (the message will be saved in Draft. (the message will be saved in the Drafts folder).
Press Options>Add to insert information about a contact saved in the phonebook, - add an emoticon, insert a template, etc.

13.2 READING AND RESPONDING

When the unread message icon appears on the display or you want to read received messages, in MENU select:
Messages>Inbox>Seek desired message
press the centre OK key to read the message

- press the OK centre key to reply via SMS/MMS

- press the call key to call the sender
- to delete, add sender to phonebook, add to blacklist, etc., press Options and select appropriate item.

13.3 MESSAGE SETTINGS

Go to MENU and select: Messages> Settings,
You can set the validity of messages, on/off delivery reports, on/off saving of sent messages and choose where to save messages.

14 VOICEMAIL

Voicemail is an operator service that allows us to leave voice recordings when someone fails to call us. To find out more, contact your operator. You can get a voicemail number from your service provider. You need to dial the number: Menu ->Messages ->Voicemail Server, then enter the voicemail number. When you hold down the 1 key on the keypad, in standby, the voicemail will start.

15 LANGUAGE

MENU>Settings>Telephone>Menu language
Allows you to change the phone's menu language. If you accidentally set a foreign language, to change to the correct one, in standby press the centre OK key and select the icon , then :
- 1x DOWN>OK
- 1x DOWN>OK
- OK, select the correct language and press OK.

15.1.1BLACK LIST

MENU ->Settings ->Security ->Blacklist
When this option is active and numbers are added to the blacklist, the phone automatically rejects incoming calls and/or SMS from the numbers on the list

16 RECHARGEABLE BATTERY INFORMATION

The phone includes a rechargeable battery, which can be recharged using the charger included in the set.
The operating time of the phone depends on various operating conditions. The shorter working time is significantly affected by how far you are from the relay station and the length and number of calls you make. When moving, the phone constantly switches between relay stations, which also has a significant impact on the operating time.
The battery naturally wears out after several hundred charges and discharges. If the user observes a significant loss of performance, a new battery should be obtained.
Use only and exclusively batteries recommended by the producer. Do not leave the charger connected for more than 2-3 days.
Caution: do not keep the phone in areas of excessive heat. This can have a negative impact on the battery as well as the phone itself.
Never use a battery with visible damage. This can lead to a short circuit and damage to the phone.
Insert the battery in accordance with the polarity.
Leaving the battery pack in places where the temperature is too high or low will reduce its service life.
Store the battery pack at a temperature between 15°C and 25°C. If a cold battery is inserted into the phone, the phone may not work properly and there is a risk of damage.

17 SOFTWARE UPDATE

To check for updates, select MENU >Settings >Check update
Data transmission must be enabled (MENU > Settings > Connections> Data servis)
If data transmission is turned on, the phone can be constantly connected to the Internet and automatically check for updates. In order to avoid additional costs, it is recommended to use additional data packages or tariffs available from the Operator.

18 ENVIRONMENTAL INFORMATION

Caution: this appliance is marked in accordance with European Directive 2012/19/EU and the Polish Waste Electrical and Electronic Equipment Act with the symbol of the crossed-out waste container. Such labelling indicates that this equipment, after its life time, must not be placed together with other household waste.

Caution: this equipment must not be disposed of with household waste!!! The product must be disposed of by selective collection at a dedicated collection point.
Proper handling of waste electrical and electronic equipment contributes to avoiding harmful consequences for human health and the environment due to the presence of hazardous components and improper storage and treatment of such equipment.
In order to recycle the materials used for the phone's packaging, follow the rules for sorting materials established locally for this type of waste.

A Li-ion rechargeable battery is included. Used rechargeable batteries are harmful to the environment and should be disposed of at a dedicated point in a suitable container in accordance with current legislation. Batteries and rechargeable must not be disposed of in municipal waste, they should be taken to a collection point.
DO NOT DISPOSE OF BATTERIES OR RECHARGEABLE BATTERY IN A FIRE!

19 SAR INFORMATION

This model complies with international guidelines for the impact of radio waves. This device is a radio wave transmitter and receiver. It is designed not to exceed the limits of radio wave exposure recommended by international guidelines. These guidelines have been developed by the independent scientific organisation ICNIRP with a safety margin to guarantee protection for all people regardless of age and health. These guidelines use a unit of measurement called Specific Absorption Rate (SAR). The SAR value is measured at the highest transmitting power, the actual figure when the device is operating is usually lower than the level indicated above. This is due to automatic variations in the power level of the device to ensure that it uses only the minimum required to connect to the network. While there may be differences in SAR values for different phone models and even for different positions of use - they all comply with regulations for safe radiation levels.

The World Health Organisation said that current research has shown that there is no need for any special restrictions on the use of mobile devices. It also points out that if you want to reduce the impact of radiation, you should limit the length of your conversations or use a headset or speakerphone when talking so that you do not hold the phone close to your body or head.

Highest measured SAR value in tests		Limit
SAR value - device at head (distance 0mm)	1.155 W/kg 10g	2.0 W/kg
SAR value- device at the back (distance 5mm)	1.473 W/kg 10g	2.0 W/kg
SAR value - device on limb (distance 0mm)	1.992 W/kg 10g	4.0 W/kg

SAR values may also vary depending on national reporting and testing requirements and the frequency band of the network in question.

19.1 FREQUENCY RANGE AND MAXIMUM POWER OF THE DEVICE

System	Frequency range	Maximum emitted power
GSM 900	880 -915 MHz	33.67dBm
GSM1800	1710-1785 MHz	31.89dBm
WCDMA Band I	1920-1980 MHz	24.34dBm
WCDMA Band VIII	880- 915 MHz	23.11dBm
LTE Band 1	1920-1980 MHz	23.46dBm
LTE Band 3	1710-1785 MHz	23.48dBm
LTE Band 7	2500-2570 MHz	22.50dBm
LTE Band 8	880- 915 MHz	23.11dBm
LTE Band 20	832- 862 MHz	23.29dBm
Short range communication	2402-2480 MHz	6.87dBm
Radio FM	87.5MHz -108MHz	-

20 UE SIMPLIFIED EU DECLARATION OF CONFORMITY

Maxcom S.A. hereby declares that the radio device type:
MAXCOM mobile phone MM248
complies with Directive 2014/53/EU, and Directive 2011/65/EU (RoHS).
The full text of the EU Declaration of Conformity is available at the following web address:
<http://www.maxcom.pl/deklaracje>

UK DECLARATION OF CONFORMITY

Hereby, Maxcom S.A. declares that the radio equipment type:
Mobile phone MAXCOM MM248 is in compliance with the relevant UK legislation.
The full text of the UK declaration of conformity is available at the following internet address:
www.maxcom.pl/deklaracje

Caution This manual is intended for information purposes only. Some of the functions and options described may vary depending on the software and country.
If technical assistance is required, we recommend contacting the technical department at
+48 32 325 07 00 or email servis@maxcom.pl
Our website:
<http://www.maxcom.pl/>

The proper operating conditions of the phone as well as the battery depend on the local network environment, the SIM card, and the use of the phone.
The producer does not accept any responsibility for consequences caused by incorrect use, abuse or non-compliance with the instructions.
The producer reserves the right to change or make changes without prior notice.

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