

**User manual**  
**MS652 smartphone**





# Table of contents

- 1 Introduction ..... 4
- 2 Technical Specifications ..... 4
- 3 Contents ..... 5
- 4 Charger ..... 5
- 5 Accessories ..... 5
- 6 Terms of use and safety ..... 5
- 7 Phone description ..... 7
- 8 Preparing your phone ..... 8
  - 8.1 Installing the SIM card , SD card ..... 8
  - 8.2 Connecting the power adapter and charging the battery ..... 9
- 9 Turning the phone on and off..... 9
- 10 Security codes ..... 12
- 11 Touch screen description..... 13
  - 11.1 Turning the screen on and off ..... 13
  - 11.2 Quick volume settings..... 13
- 12 Entering text..... 13
- 13 Device heating ..... 13
- 14 Software update..... 14
- 15 Battery information..... 14
- 16 Environmental information ..... 15
- 17 SAR Information ..... 16
- 18 Frequency range and maximum power of the device ..... 17
- 19 EU Simplified Declaration of Conformity..... 18

**Note:** the phone operates on the GSM 900/1800 MHz network  
WCDMA 900/2100 MHz, 4G-LTE: B1/B3/B7/B8/B20/B28  
Before turning on the phone, insert the SIM card correctly.

## 1 INTRODUCTION

This user manual has been published by the manufacturer. Corrections and amendments resulting from errors, inaccuracies in current information, and improvements to the phone or software may be made without prior notice, but will be included in newer versions of the user manual. For more information and assistance, visit: [www.maxcom.pl](http://www.maxcom.pl). The manufacturer reserves all rights to the content of this manual.

Copyrights and trademarks mentioned in this document remain the property of their respective owners. Copying, transmission, storage, or distribution of all or part of the copyrighted material without prior written permission is prohibited.

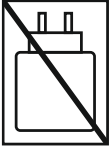
## 2 TECHNICAL SPECIFICATIONS

- Color display: 6.52" 576 x 1280 HD INCEL IPS
- FM radio, voice recorder, audio file player (MP3 / WAV / AAC / MIDI / AMR)
- Video file player (MP4 / 3GP / AVI / FLV / F4V)
- Camera: 5 MP (AF) rear + 2 MP front
- Operating system: Android™ 15 (Go edition)
- Processor: UNISOCSC9863A18xArmCortex-A55@1.6GHz
- RAM + ROM: 3 GB + 32 GB
- Micro SD card support: up to 128 GB
- Dual SIM cards: Nano SIM + Nano SIM
- 5000 mAh battery
- Standby time: 120 hours (two SIM cards)\*, talk time: 10 hours\*
- Charging time: approx. 4 hours
- Weight: 180 g
- Dimensions: 163.94 x 75.69 x 8.55 mm

\*depending on conditions and mobile network signal

### 3 CONTENTS

- Smartphone
- Cable – 1 m
- Quick start guide
- SIM card removal tool

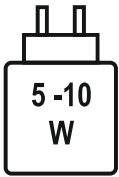


For environmental reasons, the package does not include a charger.

The device can be powered by most USB power adapters and a cable with a USB Type-C plug.

**Note:** It is recommended that you keep the packaging as it may be useful for transport. Keep your receipt as it is an integral part of the warranty.

### 4 CHARGER



The power supplied by the charger must be between a minimum of 5W required by the radio device and a maximum of 10W to achieve maximum charging speed.

The kit includes a USB cable that allows charging via a computer's USB port or connecting the charger.

The charging speed depends on both the phone and the charger's capabilities. However, the phone is the determining factor for maximum power consumption, so it is recommended to use a high-quality charger.

### 5 ACCESSORIES

Use accessories recommended by the manufacturer of this phone. Check with your retailer to see what accessories are available.

### 6 TERMS OF USE AND SAFETY

**Note:** Familiarizing yourself with the following rules will minimize the risk of improper use of the phone.

- **USE:** Your phone emits an electromagnetic field that may adversely affect other electronic devices, including medical equipment.
- Do not use the phone in places where it is prohibited, such as hospitals, airplanes, gas stations, and near flammable materials. Using the phone in such places may pose a risk to others.

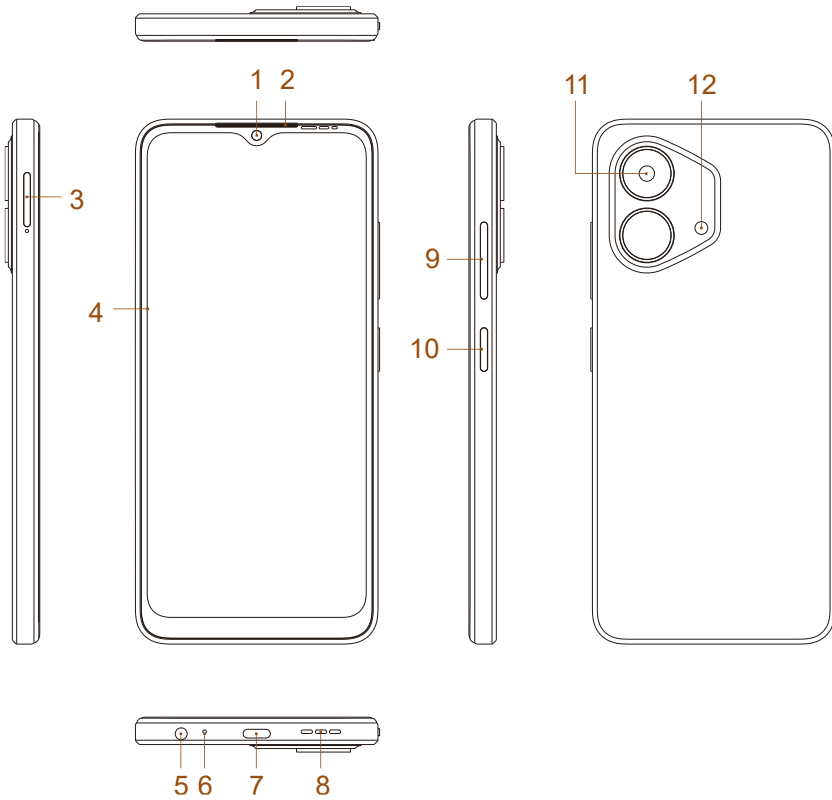
- Do not use the phone without a suitable kit while driving.
- The device and its accessories may contain small parts. Keep the phone and its components away from children.
- SERVICE: Do not attempt to repair or modify the device yourself; any faults should be repaired by a qualified service technician.
- CLEANING: Do not clean the phone with chemicals or corrosive substances.
- FLASHLIGHT: Do not look directly into the beam of light.
- HEARING AIDS: If you use a hearing aid, carefully adjust the volume of the phone and set the sensitivity of the hearing aid accordingly.
- ELECTRONIC MEDICAL DEVICES: Your phone is a radio transmitter that may interfere with electronic medical devices or implants such as hearing aids, pacemakers, insulin pumps, etc. It is recommended that you keep a minimum distance of 15 cm between your phone and the implant. For advice on this matter, consult your physician or the manufacturers of such equipment.
- ELECTRONIC DEVICES: To avoid the risk of demagnetization, do not leave electrical devices near the phone for long periods of time.
- EXPLOSION RESISTANCE, WATER RESISTANCE: IP44 – protection against solid objects larger than 1 mm and water splashes from any direction. IP44 protection does not guarantee water resistance. Avoid exposing the device to conditions exceeding the declared level of protection. Not suitable for immersion, strong water jets, or use in dusty environments.
- DISPLAY: Avoid applying excessive pressure to the LCD display and using sharp tools, as this may damage it.
- Do not short-circuit the battery contacts with metal objects, as this may cause an explosion.
- Do not expose the device to low or high temperatures, direct sunlight, or high humidity. Do not place the device near heating systems such as radiators, heaters, stoves, fireplaces, grills, etc.
- Protect your hearing!



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

- If the device does not work properly, have it repaired at the nearest authorized service center or file a complaint to the seller. The manufacturer is not responsible for defects caused by the user as a result of improper use or use not in accordance with the user manual.

## 7 PHONE DESCRIPTION



<b>1</b>	Front camera	Allows you to take photos / record videos / make video calls
<b>2</b>	Speaker	Active during calls
<b>3</b>	SIM1 and SIM2 card tray and micro SD memory card tray	
<b>4</b>	Touchscreen	Displays current processes and allows you to control the phone
<b>5</b>	3.5 mm female jack	Allows you to connect a headset
<b>6</b>	Microphone	

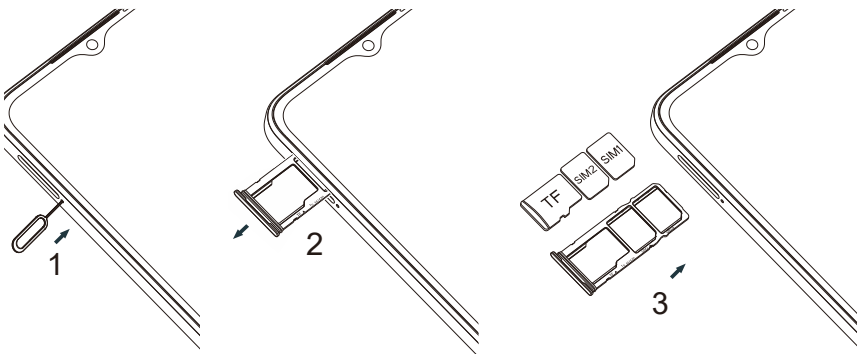
7	Female socket USB-C	Allows you to charge your phone battery and connect to a computer using a USB-C cable
8	Speaker	Active for multimedia/ringtones
9	Volume + / - button	Press: increase/decrease volume
10	Power button	Press: turn the screen on/off. Press and hold: turn on the phone, open the power menu — turn off the phone, restart the phone, and open emergency calls and medical information.
11	Rear camera	Allows you to take photos/record videos/make video calls.
12	LED	Emit white light. Used as a flash when taking photos or as a flashlight.

## 8 PREPARING YOUR PHONE

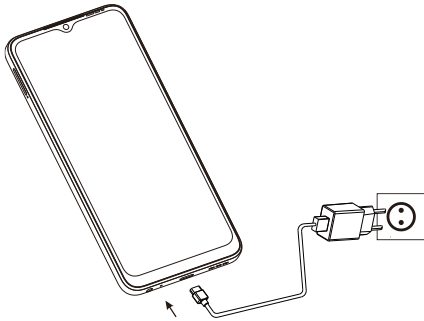
### 8.1 INSTALLING THE SIM CARD , SD CARD

Before installing the cards, make sure that the phone is turned off and is not connected to the power adapter or any other accessories.

The SIM card and SD memory card slots are located on the left side of the device. To install the cards, open the SIM card slot using the included pin by inserting it into the hole below the tray, see photos below:



## 8.2 CONNECTING THE POWER ADAPTER AND CHARGING THE BATTERY



To ensure proper operation of the phone, use only the charger recommended by the manufacturer.

Connect the small end of the cable to the phone socket and the other connector to the power adapter. Plug the power adapter into a 110-240 V AC power outlet.

The Maxcom logo and battery charging icon will appear on the display. This means that the connection is correct and the charging process has started.

When the battery is fully charged, the message "Charging complete" will appear on the display and the battery level icon in the notification bar will stop flashing.

If the battery is discharged, the phone will automatically turn off. Do not leave the battery discharged for a long time, as this may adversely affect its quality and service life.

If the battery has been discharged for a long time, wait a few minutes before turning on the phone after connecting the battery to the charger. Do not store the battery near heat sources. Overheating can cause physical damage to the battery.

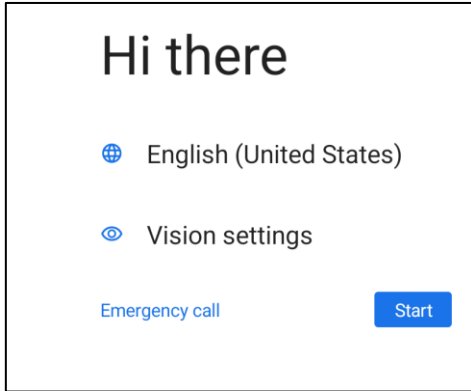
Caution! The electrical outlet must be located near the device and be easily accessible.

## 9 TURNING THE PHONE ON AND OFF

To turn on the phone, press and hold the power button. After a moment, the display should light up. Once turned on, a field for entering the PIN code will appear on the display (if SIM card security is enabled). After turning on, the phone automatically searches for a network. If the phone detects an authorized network, the signal strength symbol will appear on the screen. If no network is found, you can only make emergency calls or use non-communication features.

When you start the device for the first time or after restoring the factory settings, you must perform the initial setup. The first step is to select the device language. Then follow the device setup steps displayed on the screen, including connecting the device to a Wi-Fi network, setting up a screen lock, logging in or creating a new Google account, etc.

Tap the screen that displays the word "English (United States)" and then select the appropriate language from the list. The selected language will be set as the default system language for the device and applications.

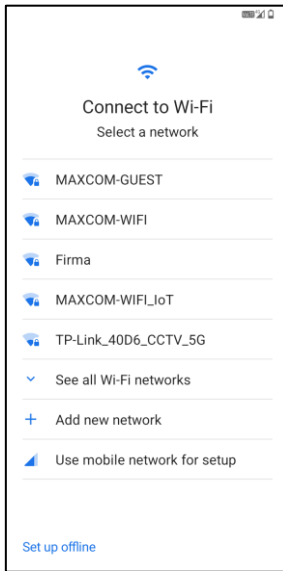


Then tap the "Get Started" button in the lower right corner.

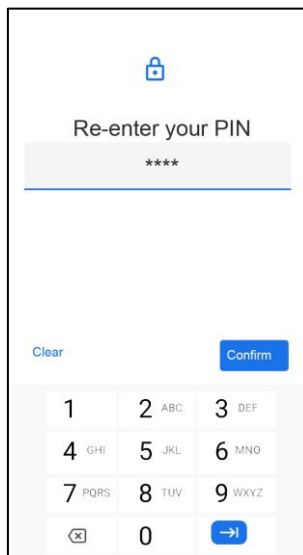
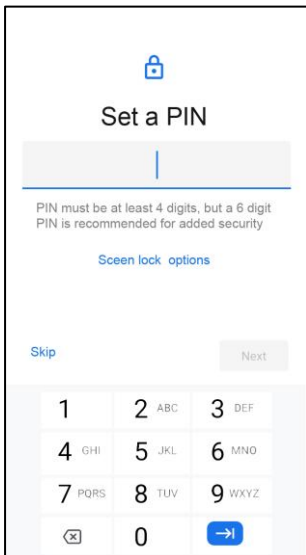
If a SIM card with PIN protection enabled is inserted into the device, enter the correct PIN code to unlock the SIM card.



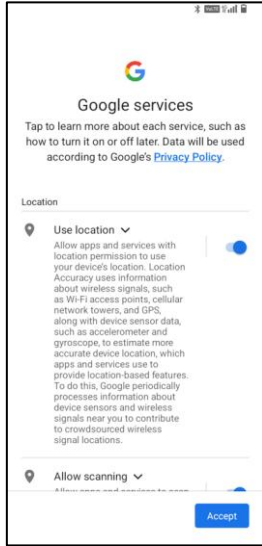
The next step is to connect the device to a wireless Wi-Fi network. The device will automatically start searching for available networks. Select one of them and tap it to connect. If the selected network is secured, you will need to enter a password. To do this, tap the password entry field and enter the correct password using the keyboard that appears at the bottom of the screen.



The next step is to set up a screen lock. When you turn off the device screen, the first thing you will see when you turn it back on is a field for entering a lock code to unlock access to the device's content. The default lock method is a PIN code, but you can choose a different screen lock method. To do this, tap "Screen lock options" and then select one of the available locks. Then create a code and confirm it, or tap "Skip" to not add a screen lock.



Next, confirm that you have read and accept the Google Terms of Service, Google Play Terms of Service, and Google Privacy Policy. To read the full terms, tap the blue text. Then tap "I agree."



To turn off your phone, press and hold the power button, and then select "Power off" from the power menu. You can also open the power menu from the notification panel by swiping down and tapping "🔋".

In the power menu, you can also choose to restart your device and make an emergency call, where you can check information about emergency situations. To add and save information, go to Settings > Security and emergency mode > Medical information, and then fill in the fields. Note: If your device freezes and stops responding, restart it by pressing and holding the power button and volume button for at least 7 seconds.

## 10 SECURITY CODES

A PIN code is a private identification code for your SIM card that is provided by your carrier.

The PIN2 code is provided by your carrier with SIM cards.

Some SIM cards do not support this code.

Entering an incorrect PIN code three times will lock the SIM card. You can unlock it using the PUK code. For more information, contact your network operator.

## **11 TOUCH SCREEN DESCRIPTION**

### **11.1 TURNING THE SCREEN ON AND OFF**

When the phone is on but no activity is performed, it remains in standby mode. After a period of inactivity, the phone will turn off and lock the screen. You can do this manually by pressing the power button.

To turn on the screen, press the power button. If screen lock is enabled, you must also enter the correct password to unlock the phone.

### **11.2 QUICK VOLUME SETTINGS**


While using various features and in idle mode, you can quickly change the volume of media, calls, ringtones, notifications, and alarms. To do this, press the volume button and use the slider to adjust the volume of the media being played. To adjust the volume of other functions, press "... " and then use the sliders to make changes. At this level, you can select "Settings" to open the full list of volume and vibration settings.

## **12 ENTERING TEXT**

Data is entered using the keyboard, which will appear on the screen when you tap the appropriate field.

To enter a letter in the field you are editing, tap the desired key on the keyboard. To enter Polish letters or numbers, tap and hold the desired key, then, without lifting your finger from the screen, select the appropriate character and lift your finger from the screen.

When entering data, to delete a letter or character, etc., tap the  icon.

To enter only uppercase letters, double-tap or tap and hold the uppercase input icon  .

## **13 DEVICE HEATING**

During use or charging, your phone may generate more heat, causing its temperature to rise. This is a natural process, but if your phone gets too hot, stop using or charging it and wait for the temperature to drop.

To reduce the power consumption that causes the device to heat up, you can:

- Turn off Wi-Fi, Bluetooth, location services, hotspot, and tethering (if not in use)

- Reduce screen brightness
- Close unused apps or those running in the background
- Delete unnecessary applications and files
- Restart the device.

## 14 SOFTWARE UPDATE

To check for updates, select Settings > System > System update > Check for updates or Settings > About Phone > System updates > Check for updates.

Enable data transmission (Settings > Network & Internet > Mobile network > SIM1 / SIM2 > Mobile data transmission). When data transmission is enabled, your phone can be constantly connected to the Internet and automatically check for updates. To avoid additional costs, we recommend using additional data packages or tariffs offered by your operator.

## 15 BATTERY INFORMATION

Your phone contains a battery that can be charged using most USB power adapters and a USB Type-C cable.

The operating time of the phone depends on various operating conditions. The distance from the relay station and the length and number of calls made have a significant impact on reducing the operating time. When moving, the phone switches between relay stations on an ongoing basis, which also has a significant impact on the operating time.

The battery naturally loses its properties after repeated charging and discharging cycles. If the user notices a significant loss of performance, a new battery should be purchased.

Only use batteries recommended by the manufacturer.

If the battery needs to be replaced, contact the manufacturer.

Do not leave the charger connected for more than 2-3 days.

**Note:** Do not store your phone in places with excessive temperatures.

This may adversely affect the battery and the phone itself.

The device supports features that extend battery life, such as smart charging.

To extend battery life, enable the power management feature, limiting charging to 80%.

The message appears during the first charging cycle.

*Battery charging limit*

*For optimal battery life, you can limit charging to 80%. This helps reduce battery aging while providing enough power for everyday use.*

*Do you want to set the default charging limit to 80% or 100%?*

Select:

CHARGE TO 100% / or CHARGE TO 80%

To change the charging method later:

Click:

Settings > Battery > Battery health > Charge limit value

To reduce power consumption and extend the battery life of your device, it is recommended that you turn off unused radio interfaces such as Wi-Fi, Bluetooth, and GPS. If you do not need these features, turning them off can significantly extend the battery life of your device on a single charge.

Keep the battery charge level between 20% and 80% and avoid charging in extreme conditions.

## 16 ENVIRONMENTAL INFORMATION

**Note:** This device is marked with a crossed-out wheelie bin symbol in accordance with European Directive 2012/19/EU.



This symbol indicates that this equipment must not be disposed of with other municipal waste at the end of its service life.

**Note:** This equipment must not be disposed of with municipal waste!!! The product must be disposed of through selective collection at designated collection points.

Proper handling of waste electrical

and electronic equipment contributes to the prevention of adverse effects on human health and the environment resulting from the presence of hazardous components and the improper storage and processing of such equipment. To enable the recycling of materials used in the manufacture of the phone packaging, please follow the local rules for sorting materials established for this type of waste.



The kit contains a lithium-ion battery. Used batteries are harmful to the environment and should be stored in a designated place, in an appropriate container, in accordance with applicable regulations. Batteries and accumulators must not be disposed of with municipal waste; they must be

returned to a collection point.

**DO NOT THROW BATTERIES OR ACCUMULATORS INTO FIRE!**

## 17 SAR INFORMATION

This model complies with international guidelines for exposure to radio waves. This device is a radio wave transmitter and receiver. It is designed not to exceed the exposure limits to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP with a safety margin to protect all persons, regardless of age and health. These guidelines use a unit of measurement called the Specific Absorption Rate (SAR). The SAR value is measured at the highest transmission power; the actual value during operation is usually lower than the above-mentioned level. This is due to automatic changes in the power level of the device, which are designed to ensure that it consumes only the minimum power required to connect to the network.

Although there may be differences in SAR values for different phone models and even for different positions of use, they all comply with regulations on safe radiation levels.

The World Health Organization has stated that current research has shown that there is no need to impose 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 calls or use a headset or speakerphone when talking so that you do not hold the phone close to your body or head.

SAR values may also vary depending on national reporting and testing requirements and the frequency band used in a particular network.

Highest value measured in tests 10 g – SAR (W/kg)

System	Device at head	Device at torso (5 mm distance)	Device at limb (distance 0 mm)
GSM 900	1.069	1.006	1.326
GSM 1800	0.481	0.670	2.094
WCDMA I	1.068	1.140	2,794
WCDMA VIII	0.570	0.670	0.879
LTE band 1	0.312	0.644	2.663
LTE band 3	0.664	0.730	1.379
LTE Band 7	0.724	1.634	2.672
LTE Band 8	0.438	0.664	0.880
LTE Band 20	0.332	0.500	0.848
LTE band 28	0.134	0.295	0.965
2.4 GHz WLAN	0.316	0.639	1.109
MAX SAR	1.069	1.634	2.794
SAR limit 10 g (W/kg)	2.0	2.0	4.0

Use of the WLAN band is limited to indoor use.

This restriction applies in the following countries:

AT, BE, BG, CH, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, UK(NI),GB

## 18 FREQUENCY RANGE AND MAXIMUM POWER OF THE DEVICE

System	Frequency range	Maximum transmitted power
BR_EDR:	2402~2480 MHz	6.96 dBm
BLE	2402~2480 MHz	-3.69 dBm
2.4 GHz Wi-Fi	2412~2472 MHz	17.23 dBm
GSM 900	880~915 MHz	32.64 dBm
DCS 1800	1710~1785 MHz	29.08 dBm
FDD Band I	1920~1980 MHz	22.05 dBm
FDD Band VIII	880~915 MHz	22.54 dBm
LTE Band 1	1920~1980 MHz	23.12 dBm
LTE Band 3	1710~1785 MHz	23.31 dBm

LTE Band 7	2500~2570 MHz	23.07 dBm
LTE Band 8	880~915 MHz	23.70 dBm
LTE Band 20	832~862 MHz	23.83 dBm
LTE band 28	703~748 MHz	23.84 dBm
FM radio	87.5~108 MHz	

## 19 EU SIMPLIFIED DECLARATION OF CONFORMITY

Maxcom S.A. hereby declares that the radio equipment type:  
MAXCOM MS652

is compliant with Directive 2014/53/EU, (EU) 2019/882 and Directive 2011/65/EU (RoHS)

The full text of the EU declaration of conformity is available at the following internet address:

**<http://www.maxcom.pl/deklaracje>**

**Please note!** This manual is for informational purposes only. Some of the features and options described may vary depending on the software and country.

If you need technical assistance, we recommend that you contact our technical department at 32 325 07 00 or send an email to [serwis@maxcom.pl](mailto:serwis@maxcom.pl)

**Our website:** <http://www.maxcom.pl/>

The actual performance of the phone and battery depends on the local network environment, SIM card, and how the phone is used.

The manufacturer is not responsible for the consequences of misuse, abuse, or failure to follow the instructions.

The manufacturer reserves the right to make changes without prior notice.

Google, Android, Google Play, and Google Pay are trademarks of Google LLC.



**MAXCOM S.A.**  
**ul. Towarowa 23a**  
**43-100 Tychy**  
**tel.:+48 32 327 70 89**  
**www.maxcom.pl**  
**e-mail: office@maxcom.pl**

