Doro 8050 **Quick Start Guide** English





1. UNBOX YOUR NEW PHONE

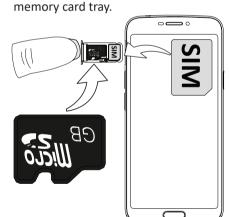
The first step is to unbox the phone and assess the items and equipment included in the delivery. Make sure to read through the manual so you can familiarise yourself with the equipment and the basic functions. For the full manual please visit www.doro.com/support/ or contact our

Helpline. The items supplied with the device and any available accessories may vary depending on the region or service provider.

- The supplied items are designed for this device and may not be compatible with other devices.
- Appearances and specifications are subject to change without prior notice.
- You can purchase additional accessories from your local Doro retailer. Make sure they are compatible with the device before purchase.

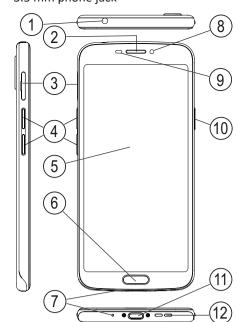
3. INSERT SIM CARD (NOT INCLUDED) AND MEMORY CARD (OPTIONAL AND NOT INCLUDED)

1. Use your fingernail or other similar object, to gently pull out the SIM/



PHONE OVERVIEW

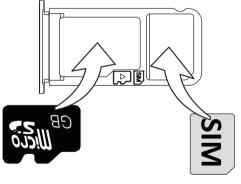
1. Headset port, for standard headset with 3.5 mm phone jack



2. GETTING STARTED

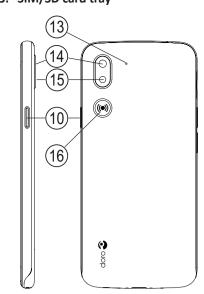
Before you start using your new phone you may need:

- Nano SIM card. To take full advantage of your new smartphone's capabilities, you should install a SIM card. The SIM card will enable you to place calls or use mobile data to connect to various Internet services. Your mobile service provider will give you a card and the codes needed for it (PIN and PUK) when you buy a mobile contract or a prepaid SIM card. Make sure you get a suitable contract that fit your needs regarding calls and mobile data.
- Memory card (optional). You can use a memory card (MicroSD) to increase the storage space of your phone to be able to store more files, pictures, videos etc. Insert a memory card, reboot your device and follow the instruction to select how to use your memory card. We suggest you to use a high speed memory card.
- **2.** Place the SIM card into the correct tray slot to ensure that it can be recognized by the phone.



Make sure that the SIM card's contacts are facing downwards and that the cut off corner is down, as shown. Take care not to scratch or bend the contacts on the SIM card.

- 2. Earpiece, for phone calls with the phone by the ear
- 3. SIM/SD card tray



- Google[™] account: To be able to fully use your new smartphone you need a Google™ Account. If you don't have one yet, no worries, as you will be guided through an account setup when starting the phone for the first time. It can however be a good idea to think of a Username and Password as these will be used for many services, such as Gmail[™], YouTube[™], Google Maps[™], *Google Drive™, Google Photos™* and other Google products.
- Wi-Fi access. If you have a Wi-Fi access point available, it's always good to connect to that to reduce costs for data traffic and possibly increase data speed.

- 4. Volume buttons
- 5. Touch display
- 6. Home key
- 7. Microphone
- 8. Front camera, selfie camera
- 9. Proximity sensor, turns off the touch display when the phone is held by the ear
- 10. Power button, press and hold to turn phone on/off
- 11. USB Type-C, for battery charging or connection to other device like a computer
- 12. Loudspeaker, for hands-free mode
- 13. Second microphone
- 14. Rear camera
- 15. Flash
- 16. Assistance button must be setup before use, see full manual for more information

4. CHARGE YOUR PHONE

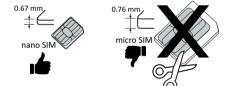
Charge your phone. Your phone may already come with enough charge to be powered on right out of the box, but we recommended to give it a full charge before first using it.

A CAUTION

Only use batteries, charger and accessories that have been approved for use with this particular model. Connecting other accessories may be dangerous and may invalidate the phone's type approval and guarantee.

Insert the small end of the included USB cable into the charging port on the phone and other end into the wall charger that you plug into to a wall socket.

damage the card itself, the card slot and corrupt any data stored on the card.



3. This device only accepts nano SIM card

(4FF). Using a modified incompatible card

that is thicker than a nano SIM card may

- 4. You may also optionally place a memory card in the tray. Make sure that the memory card's contacts are facing downwards, as shown. Compatible card type: MicroSD, MicroSDHC, MicroSDXC.
- 5. Insert the SIM card tray back into its slot.

5. TURN ON THE PHONE

Note! When turning on your phone, the installed applications may need to be updated. Application updates requires Internet connection and can take a few minutes. A Wi-Fi connection is preferable. The phone may appear a bit slow during the update.

- Press and hold the power button until the display lights up.
- Wait for the phone to start.
- Enter your SIM card PIN if requested.
- Follow the setup guide to get on the Internet and start personalising your new phone.
- Sign in with an existing Google account or setup a new account.

6. STARTUP GUIDE

The first time you turn on your phone, a Startup guide is launched. Follow the instructions to start personalising your new phone.

In the beginning you will get a question asking "Is it your first time using a Smartphone?".

- If you select "Yes, I am a beginner", you will get some instructions on how to navigate a Smartphone and how to handle the touch screen.
- If you select "No, I have already used one" or "I'm setting up the phone for someone else" you will go directly to some audio/ vision and handling settings.

7. HARDWARE REBOOT

This device has an internal battery and therefore the hardware cannot be rebooted by the removal of the battery. Should you need to reboot the hardware, if your device becomes frozen and unresponsive, press and hold the Power button and the Volume Down key simultaneously for more than 8 seconds to reboot it. After the device is rebooted, it will restart automatically.

Note! Pressing and holding the Power button and the Volume Down key is also the key combination that takes a screenshoot after 1 second.

8. MORE SUPPORT

Your new phone runs on Android[™]. Android is a mobile operating system developed by Google. It is designed primarily for touchscreen devices such as smartphones and tablets.

You can find more help regarding Android[™] on https://support.google.com/android/.

Android is also associated with a suite of software developed by Google, called Google Mobile Services (GMS), that are pre-installed on this device. This includes apps such as Gmail[™], the application store Google Play[™], the Google Chrome[™] web browser, Google Search app and many more.

You can find more help regarding the apps in Google Mobile Services (GMS) on https://support.google.com/.

Select the app you need help with.

SAFETY INSTRUCTIONS

ACAUTION

The unit and the accessories can contain small parts. Keep all of the equipment out of the reach of small children. The mains adapter is the disconnect device between the product and mains power. The mains socket outlet must be close to the equipment and easily accessible

Network services and costs

Your device is approved for use on the 4G LTE 1 (2100), 3 (1800), 7 (2600), 8 (900), 20 (800), 28 (700) MHz / WCDMA 1 (2100), 2 (1900), 5 (850), 8 (900) MHz / GSM 850, 900, 1800, 1900 MHz networks. To use the device, you need a subscription with a service provider. Using network services may result in traffic costs. Some product features require support from the network, and you may need to subscribe to them

Operating environment

Follow the rules and laws that apply wherever you are, and always turn off the unit whenever its use is prohibited or can cause interference of hazards. Only use the unit in its normal user position.

Parts of the unit are magnetic. The unit can attract metal objects. Do not keep credit cards or other magnetic media near the unit. There is a risk that information stored on them can be erased

Wi-Fi (WLAN)

This equipment may be operated in all European countries. The 5150 - 5350 MHz band is restricted to indoor use only in the following countries.

ſ		AT	BE	BG	СН	СҮ	CZ	DE	DK	EE
		EL	FI	FR	HR	ΗU	IE	IS	ΙТ	LI
		LT	LU	LV	ME	МК	MT	NL	NO	PL
		РТ	RO	RS	SE	SI	SK	TR	UK	

Protect your personal data

Protect your personal data and prevent leakage or misuse of sensitive information

- While using your device, be sure to back up important data. When disposing of your device, back up all data and then reset your device to prevent misuse of your personal information.
- Carefully read the permissions screen when downloading applications. Be particularly cautious with applications that have access to many
- functions or to a significant amount of your personal information Check your accounts regularly for unapproved or suspicious use. If you find any sign of misuse of your personal information, contact your
- service provider to delete or change your account information. In the event your device is lost or stolen, change the passwords on your accounts to protect your personal information
- Avoid using applications from unknown sources and lock your device with a pattern, password, or PIN.

Malware and viruses

- To protect your device from malware and viruses, follow these usage tips.
- Failure to do so may result in damages or loss of data that may not be
- covered by the warranty service.
- Do not download unknown applications Do not visit untrusted websites.
- Delete suspicious messages or email from unknown senders
- Set a password and change it regularly. Deactivate wireless features, such as Bluetooth, when not in use
- If the device behaves abnormally, run an antivirus program to check for
- infection.
- Run an antivirus program on your device before you launch newly
- downloaded applications and files. · Do not edit registry settings or modify the device's operating system

Open source licenses

You are entitled to receive a copy of the source code of software licensed under an open source license that gives you the right to receive the source code for that software (for example GPL or LGPL) to you on an appropriate media, against an administrative fee covering Doro AB's cost for handling the distribution and costs for media. Please direct such request to Doro AB, Open Source Software Operations, Jorgen Kocksgatan 1B, SE 211 20 Malmoe, Sweden. To be valid, such a request must be made within three (3) years from the date of the distribution of this product by Doro AB, or in the case of code licensed under the GPL v3 for as long as Doro AB offers spare parts or customer support for this product model.

HEARING AID COMPATIBILITY

Note! For hearing aid compatibility, turn off Bluetooth connectivity. This phone is hearing aid compatible. Hearing aid compatibility is not a guarantee that a specific hearing aid will work with a specific phone. Mobile phones contain radio transmitters that may interfere with hearing aid performance. This phone has been tested for use with hearing aids. for some of the wireless technologies that it uses, but there may be some newer wireless technologies that have not been tested yet for use with hearing aids. To ensure that a specific hearing aid works well with this phone, test them together before making a purchase.

- The standard for hearing aid compatibility contains two types of ratings: • M: To use your hearing aid in this mode, make sure that your hearing aid is set to "M-mode" or acoustic coupling mode, and position the phones receiver near the hearing aid's built-in microphone. For the best results, try using the phone in different positions relative to your hearing aid-for example, placing the receiver slightly above the ear may result in better performance for hearing aids with microphones positioned behind the ear.
- T: To use your hearing aid in this mode, make sure that your hearing aid is set to "T-mode" or telecoil coupling mode (not all hearing aids have this mode). For the best results, try using the phone in different positions relative to your hearing aid-for example, placing the receiver slightly below or in front of the ear may result in better performance. Your device meets the M3/T4 level rating

Medical units

The use of equipment that transmits radio signals, for example, mobile phones, can interfere

with insufficiently protected medical equipment. Consult a doctor or the manufacturer of the equipment to determine if it has adequate protection against external radio signals, or if you have any questions. If notices have been put up at health care facilities instructing you to turn off the unit while you are there, you should comply. Hospitals and other health care facilities sometimes use equipment that can be sensitive to external radio signals.

Implanted medical devices

To avoid potential interference, manufacturers of implanted medical devices recommend a minimum separation of 15 cm between a wireless device and the medical device.

Persons who have such devices should:

- Always keep the wireless device more than 15 cm from the medical device Should not carry the phone in a breast pocket.
- Hold the wireless device to the ear opposite the medical device.
 If you have any reason to suspect that interference is taking place, turn the

phone off immediately If you have any questions about using your wireless device with an implanted medical device, consult your health care provider

Areas with explosion risk

Always turn off the unit when you are in an area where there is a risk of explosion. Follow all signs and instructions. There is a risk of explosion in places that include areas where you are normally requested to turn off your car engine. In these areas, sparks can cause explosion or fire which can lead to personal injury or even death.

Turn off the unit at filling stations, and any other place that has fuel pumps and auto repair facilities.

Follow the restrictions that apply to the use of radio equipment near places where fuel is stored and sold, chemical factories and places where blasting is in progress.

Areas with risk for explosion are often – but not always – clearly marked. This also applies to below decks on ships; the transport or storage of chemicals; vehicles that use liquid fuel (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powder.

CARE AND MAINTENANCE

Your unit is a technically advanced product and should be treated with the greatest care. Negligence may void the warranty.

- Protect the unit from moisture. Rain, snow, humidity, and all types o liquids can contain substances that corrode the electronic circuits. If the nit gets wet, you should immediately power off the phone
- · Do not use or keep the unit in dusty, dirty environments. The unit's
- moving parts and electronic components can be damaged.
 Do not keep the unit in warm places. High temperatures can reduce the lifespan for electronic equipment, damage batteries and distort or melt certain plastics
- Do not keep the unit in cold places. When the unit warms up to normal temperature, condensation can form on the inside and can damage the electronic circuits.
- Do not try to open the unit in any other way than that which is indicated
- Do not drop or shake the unit. If it is treated roughly the circuits and
- precision mechanics can be broken.Do not use strong chemicals to clean the unit
- · Do not disassemble, open, crush, bend, deform, puncture or shred Do not modify or remanufacture, attempt to insert foreign objects into
- the battery, immerse or expose to water or other liquids, expose to fire,
- explosion or other hazard. Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per IEEE-Std-1725. Use of an unqualified battery or charger
- may present a risk of fire, explosion, leakage, or other hazard. Do not short circuit a battery or allow metallic conductive objects to
- contact battery terminals. Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised. Improper battery use may result in a fire, explosion or other hazard.

SPECIFIC ABSORPTION RATE (SAR)

This device meets applicable international safety requirements for exposure to radio waves. Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by international guidelines from the independent scientific organization ICNIRP (International

Commission of Non-Ionizing Radiation Protection). The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is

2 W/kg averaged over 10 grams of tissue and include a substantial safety margin designed to assure the safety of all persons, regardless of age and health Tests for SAR are conducted using standard operating positions with

the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values under the ICNIRP guidelines for this device model are: Head SAR: 0.52 W/kg

Body SAR: 1.25 W/kg

During normal use, the SAR values for this device are usually well below the values stated above. This is because, for purposes of system efficiency and to minimize interference on the network, the output power of your mobile device is automatically decreased when full power is not needed for the call. The lower the power output of the device, the lower its SAR value. This device meets RF exposure guidelines when used against the head or when positioned at least 0.5 cm away from the body. When a carry case, belt clip or other form of device holder is used for body-worn operation, it should not contain metal and should provide at least the above stated separation distance from the body.

The World Health Organization (WHO) has stated that current scientific information does not indicate the need for any special precautions when using mobile devices. If you are interested in reducing your exposure, they recommend you reduce your usage or use a hands-free accessory to keep the device away from your head and body.

Li-Polymer battery

This product contains a Li-Polymer battery. There is a risk of fire and burns if the battery pack is handled improperly.

WARNING

Danger of explosion if battery is incorrectly replaced. To reduce risk of fire or burns, do not disassemble, crush, puncture, short external contacts, expose to temperature above 60° C (140° F), or dispose of in fire or water. Do not charge the battery unattended. Recycle or dispose of used batteries according to the local regulations or reference guide supplied with your product.

Removing/replacing the battery

To remove/replace the battery, contact an authorised service centre Please find latest information at www.doro.com

- For your safety, you must not attempt to remove the battery. If the battery is not properly removed, it may lead to damage to the battery and device, cause personal injury, and/or result in the device being unsafe.
- Doro does not accept liability for any damage or loss if these warnings and instructions are not followed.

Protect your hearing

This device has been tested to comply with the Sound Pressure Level requirement laid down in the applicable EN 50332-1 and/or EN 50332-2 standards

MARNING

Excessive exposure to loud sounds can cause hearing damage. ~??\ Exposure to loud sounds while driving may distract your attention and cause an accident. Listen to a headset at a moderate level, and do not hold the device near your ear when the loudspeaker is in use

For devices that utilize a USB port as a charging source, the device's user manual shall include a statement that the device shall only be connected to CTIA certified adapters, products that bear the USB-IF logo or products that have completed the USB-IF compliance program.

The advice applies to the unit, battery, power adapter and other accessories. If the phone is not working as it should, please contact the place of purchase for service. Don't forget the receipt or a copy of the invoice

WARRANTY

This product is guaranteed for a period of 24 months and for original accessories for a period of 12 months (such as the battery, charger, charging cradle or handsfree kit) which may be delivered with your device, from the date of purchase. In the unlikely event of a fault occurring during this period, please contact the place of purchase. Proof of purchase is required for any service or support needed during the guarantee period. This guarantee will not apply to a fault caused by an accident or a similar incident or damage, liquid ingress, negligence, abnormal usage, non-maintenance or any other circumstances on the user's part. Furthermore, this guarantee will not apply to any fault caused by a thunderstorm or

any other voltage fluctuations. As a matter of precaution, we recom disconnecting the charger during a thunderstorm. Please note that this is a voluntary manufacturer's warranty and provides rights in addition to, and does not affect statutory rights of end-users

This guarantee does not apply if batteries other than DORO original batteries are used.

CORRECT DISPOSAL OF THIS PRODUCT (Waste Electrical & Electronic Equipment) X (Applicable in countries with separate collection systems)

This marking on the product, accessories or manual indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal. This product is RoHS compliant.

CORRECT DISPOSAL OF BATTERIES IN THIS PRODUCT

(Applicable in countries with separate collection systems) X

The marking on the battery, manual or packaging indicates that the battery in this product should not be disposed of with other household waste. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment. To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system

WAY AMR MIDI MP3 AAC

Emergency calls IMPORTANT!

M WARNING

driving.

Vehicles

also be illegal.

GPS/Location based functions

your vehicle or any additional equipment.

Mobile phones use radio signals, the mobile phone network, the terrestrial

network and user-programmed functions. This means that connection

cannot be guaranteed in all circumstances. Therefore, never rely only on a

Some products provide GPS/Location based functions. Location determining functionality is provided "As is". No representation or warranty are made

information by the device may not be uninterrupted or error free and may

Do not use GPS functionality in a manner which causes distraction from

Radio signals can affect electronic systems in motor vehicles (for example,

systems) that have been incorrectly installed or are inadequately protected

Contact the manufacturer or its representative for more information about

Do not keep or transport flammable liquids, gases or explosives together

Do not place objects, including fixed or portable radio equipment in the

area above the airbag or the area where it might expand. Serious injuries

may be caused if the mobile phone equipment is incorrectly installed and

the airbag fills with air. It is prohibited to use the unit in flight. Turn off the unit before you board a plane. Using wireless telecom units inside a plane can pose risks to air safety and interfere with telecommunications. It may

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Doro does not provide a warranty for or take any responsibility for the functionality, content, or end-user support of third-party apps provided

The unauthorised copying of copyrighted materials is contrary to the

provisions of the Copyright Laws of the United States and other countries. This device is intended solely for copying non-copyrighted materials,

Hereby, Doro declares that the radio equipment type DSB-0230 (Doro 8050)

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

is in compliance with Directives: 2014/53/EU and 2011/65/EU including

This device complies with part 15 of the FCC Rules. Operation is subject

to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received,

This equipment has been tested and found to comply with the limits for a

Class B digital device, pursuant to part 15 of the FCC Rules/Canadian ICES-

harmful interference in a residential installation. This equipment generates

accordance with the instructions, may cause harmful interference to radio

not occur in a particular installation. If this equipment does cause harmful

interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct

Connect the equipment to an outlet on a circuit different from that to which

The FCC can require you to stop using your unit if such interference cannot

Doro has not approved any changes or modifications to this device by the

user. Any changes or modifications could void he user's authority to operate

communications. However, there is no guarantee that interference will

uses and can radiate radio frequency energy and, if not installed and used in

003. These limits are designed to provide reasonable protection against

materials in which you own the copyright, or materials which you are authorised or legally permitted to copy. If you are uncertain about your right to copy any material, please contact your legal advisor.

DECLARATION OF CONFORMITY

v.doro.com/dofc

including interference that may cause undesired operation.

the interference by one or more of the following measures:

Increase the separation between the equipment and the receiver.

Consult the dealer or an experienced radio/TV technician for help.

Reorient or relocate the receiving antenna.

the receiver is connected.

be eliminated.

the equipment

delegated Directive (EU) 2015/863 amending Annex II.

with your device. By using an app, you acknowledge that the app is provided as is. Doro does not make any representations, provide a warranty,

or take any responsibility for the functionality, content, or end-user support

with the unit or its accessories. For vehicles equipped with air bags

Remember that air bags fill with air with considerable force.

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Wi-Fi is a registered trademark of the Wi-Fi Alliance

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trademarks of their respective owners

are property of their respective owners.

damages howsoever caused.

Content copyright

internet address: w

FCC NOTICE

of third-party apps provided with your device.

electronic fuel injection, ABS brakes, automatic cruise control, air bag

mobile phone for very important calls such as medical emergencies

as to the accuracy of such location information. Use of location-based

Please note that functionality may be reduced or prevented in certain

environments such as building interiors or areas adjacent to buildings

additionally be dependent on network service availability.

FCC RF EXPOSURE INFORMATION (SAR)

This model phone meets the government's requirements for exposure to radio waves

This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless mobile phones employs a unit of measureme as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

*Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 0.87 W/kg and when worn on the body, as described in this user guide, is 1.15 W/kg (Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.).

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of FCC ID: WS5DSB0230 after searching on http://www.fcc.gov/oet/ea/fccid.

For body worn operation, this phone has been tested and meets the FCC RE exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 3/8 inch (1.0 cm) from the body. Use of other enhancements may not ensure compliance with FCC RI exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 3/ 8 inch (1.0 cm) from your body when the phone is switched on.

In the United States, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network

SPECIFICATIONS

Video format:

Network bands (MHz) [maximum radio-frequency power/dBm]:	
2G GSM	900 [33], 1800 [30], 850 [33], 1900 [30]
3G UMTS	1 (2100) [24], 2 (1900) [24], 5 (850) [24], 8 (900) [24]
4G LTE	1 (2100) [24], 3 (1800) [24], 7 (2600) [24], 8 (900) [24], 20 (800) [24], 28 (700) [24]
Wi-Fi, band (MHz) [maximum transmit power, dBm]:	WLAN IEEE 802.11 a/b/g/n, (2412 - 2472) [19], (5150-5875) [18]
Bluetooth, version (MHz) [maximum transmit power, dBm]:	4.2 (2402 - 2480) [10]
GPS receiver:	GPS/BEUDOU/Galileo/GLONASS
Operating system:	Android 9 Pie
SIM card size	nano-SIM (4FF)
Dimensions:	153 mm x 71 mm x 9 mm
Weight:	165 g (including battery)
Battery:	3.85 V / 3000 mAh Li-Polymer battery
Image format:	BMP, GIF, JPG, PNG

MP4, 3GP, WEBM, MKV

Audio Iormat.	WAV, AWIR, WIDT, WIPS, AAC				
Main camera resolution:	13 MP				
Front camera resolution:	5 MP				
Camera digital zoom:	4x				
Display: Size	5.45″				
Resolution	720 x 1440				
Colour Depth	16 M				
RAM:	2 GB				
Internal memory:	16 GB				
External memory	MicroSD, microSDHC max. 128 GB				
Sensors:	Accelerometer, light sensor, proximity sensor				
Operating ambient temperature:	Min: 0 °C (32 °F)				
	Max: 40 °C (104 °F)				
Charging ambient temperature:	Min: 0 °C (32 °F)				
	Max: 40 °C (104 °F)				
Storage temperature:	Min: -20 °C (-4 °F)				
	Max: 60 °C (140 °F)				

Audio format

Model: DSB-0230 Doro 8050 (1031) English (EN)

QSG_DSB-0230_Doro_8050_en(CE,FCC)_A7(A3)_v12(1031)

CE

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