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Read the safety instructions prior to operation !

1. Safety instructions

FCC:

Type: EX-SM14	FC
S/N.: DEMO	
IECEx KIWA 14.0003X	
Ex ib IIC T4 Gb	
Ex ib IIIC T135°C Db	
Class 1, Zone 1, AEx ib IIC T4 Gb	
Zone 21, AEx ib IIIC T135°C Db	
TECHNED	T. amb: -20°C - +55°C
BENELUX	Voersteeg 15
	4212 LR Spijk NL

<u>Conditions for safe use in Class I, Zone 1</u>

1. Charging is only allowed in Safe Area´s in combination with the provided USB charger and special USB cable with type number
BC_EX-SM14_USB_cable_1.
The supplied PSB05R-050Q(A)-R wall mount adapter has a temperature operating range of 0°C to 45°C.
2. Data transfer is only allowed in Safe Area´s using the special USB cable.
3. Prior to operation it must be ensured that the outer material is not damaged in any way.
A non functioning smartphone or a smartphone with a damaged body may not be used in a Class I, Zone 1.
All compartments need to be closed during use in Class I, Zone 1.
<u>Repair</u>
Only the manufacturer is allowed to repair the device. Otherwise the warranty is void and the safe

operations of the device cannot be guaranteed.

Defective devices can be send to:

BCom Mobile B.V.
EX-SM14 repair
Veersteeg 15
4212LR Spijk

Maintenance
Maintenance, like replacing the battery, may only be carried out by the manufacturer.

Taking the device into operation
After(re-)installing the SIM card(s) it must be ensured that the rubber gasket in the SIM compartment is clean and undamaged. The compartment must be closed tightly using the two screws.
The compartment with the USB and headphone connectors must be closed using the lid, prior to using the device in Class I, Zone 1, or close to water or dust.

2. Technical specifications

◇ IP68 Waterproof (1.2 m deep, 40 min.)
◇ 4.5" *High Impact Resistant* LCD screen
◇ Android 4.2 (Jelly Bean)
◇ MT6589T 1.5 GHz Quad-Core processor
◇ GSM 850/900/1800/1900 MHz
◇ WCDMA/UMTS 850/1900MHz
◇ Dual SIM: Dual-Standby / One-Talk
◇ 8.0 Mpx AF camera (incl. LED flash)
◇ 2.0 Mpx FF camera (front)
◇ 1 GB memory (RAM)
◇ 4 GB storage memory (1.7 GB free for end user)
◇ Micro-SD slot (supports 32 GB max.)
◇ Wi-Fi b/g/n with Tethering
◇ Bluetooth 4.0
◇ GPS / A-GPS / EPO
◇ Accelerometer, Gyro, Compass, Auto light sensor
◇ 2200 mAh battery

3. Notice of content and ownership

The manufacturer has reviewed the contents of this

documentation with regard to accuracy, but they may, nevertheless, contain errors or unintentional omissions.

Bluetooth is a registered trademark of Bluetooth SIC, Inc. JAVA is a registered trademark of Sun Microsystems, Inc.

Several functionalities described within this document refer to network services and require support by your network- or service provider. Please refer to either of them for specific information regarding these functionalities.

This device may contain parts, technology or software upon which the export regulations and local laws of specific countries apply. Exporting, when in contradiction with local laws, is prohibited.

Before using this device, please thoroughly acquaint yourself with the contents of the following "Safety and user instructions" and the chapter "Additional safety instructions".

This symbol states that the device meets the European directives with regards to safety and electric interference.

Safety and user instructions

SAFETY ON THE ROAD

Adhere to local laws. Keep your hands available to operate the vehicle at all times. Your primary responsibility is road safety.

EMERGENCY NUMBERS

Have the smartphone switched on and functioning. Dial the emergency number and press the call-button. State your location. Do not terminate the call without permission.

INTERFERENCE

Every wireless device may be susceptible to electromagnetic disturbances that could influence performance.

POWER DOWN IN HOSPITALS

Switch off your device when near medical appliances.

EXPANSIONS
Only use approved expansions. Do not connect any incompatible products.

POWER DOWN ABOARD AIRPLANES
Wireless devices may cause electromagnetic disturbances in airplanes.

CONNECTING TO OTHER DEVICES
Is only permitted in Safe Area's.

SAVE THE ENVIRONMENT
The battery must be recycled or disposed of properly according to local laws and regulations and always kept separate from household waste.

BACK-UP COPIES
Remember to make copies or written notes of important information, such as passwords or parameters of network providers.

KEEP CHILDREN SAFE
Keep every small item of the device, such as memory cards, out of reach of children.

- Prior to using this device for the first time, make yourself acquainted with all safety- and user instructions.
- Keep this manual stored properly so that you may consult it easily at a later time. Carefully follow the notifications supplied within this manual.
- Follow all instructions for use and operation carefully.
- Before cleaning the device, unplug it from any and all electrical outlets.
- To insert the SIM card and connect accessories, follow the instructions of your vendor and only use accessories that were recommended by the vendor of this device. Connections are only permitted in Safe Area's.

IP68

Your device is IP68 certified and therefore can be submerged in water for 40 minutes, 1.2 m deep. When you use the device in water deeper than 1.2 m, for more than 40 minutes, or open the device (except for inserting the SIM(s) and/or SD card), the warranty will be voided.

4. Your EX-SM14 Smartphone

<u>Preparing for first use</u>

Before you begin, make sure the smartphone is switched off, the charger is not connected and you are in Safe Area.

Now follow all steps described below to insert the SIM card(s) and/or micro-SD card.

>Please note: Damage caused by not carefully inserting the SIM card(s) and/or micro-SD card is not covered by warranty.

- **Step 1**: Loosen the screws indicated below, using the special tool in the box.

- **Step 2**: Open the lid.

>*Please note: On top of the two dedicated SIM slots you'll find a 'slot' in which a SIM card also easily fits. This space should not be used for SIM cards.*

- **Step 3**: If available, insert SIM 2 (chip facing down) in the <u>bottom</u> slot, as shown here:
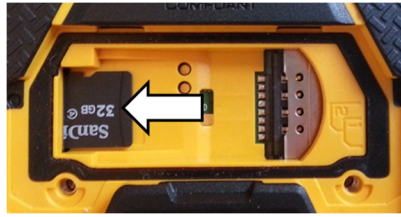
- **Step 4**: Insert SIM 1 (chip facing down) in the <u>top</u> slot, as shown here:

>*Please note: To get the fastest connection, SIM 1 should be used for data.*

- **Step 5**: Insert a micro-SD card as follows:

>Please note: When closing the lid, make sure to carefully tighten the screws turn by turn. A well-closed lid is crucial for keeping the device waterproof.

Your device

Below you'll find a picture of the left side view, the front view and the right side view of your EX-SM14. The 4 on-device buttons and 3 on-device soft buttons are marked with numbers 1 through 7:

The buttons

(1) Volume buttons: The volume buttons adjust all the different sound levels of the phone.

(2) Reset button: By pushing this button you'll restart the device.

(3) Menu button: Depending on 'where you are' or what application you are using, the menu button will bring up the extra functionalities and/or actions.

(4) Home button: Pressing this button will bring you back to the default (home) screen at all times. Keeping the button pressed, brings up your recently used apps, allowing you to switch between apps rapidly.

(5) Back button: This one always leads you back to the previous screen.

(6) Alarm button: If you're using for instance BCom's "Man Down" application, you can press this button to set off the alarm. Without additional software this button has no function.

(7) Power button: Use the power button to switch the smartphone on or off. If the smartphone is switched on, a quick press on the power button will automatically put the device in standby mode (or bring it back to active mode). Keep the power button pressed and a menu will appear.
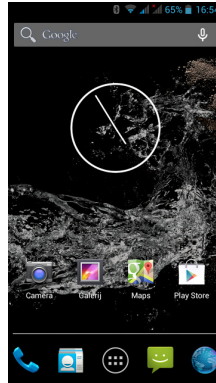
5. Getting started

When you switch on your smartphone for the first time, you will be given a number of questions in order to configure the device to your liking. Follow these steps carefully. At the end Android will show you how to use the smartphone and give you a couple of usability tips.

>Please note: You can always change things later by pressing the Menu button while in the Home screen (see below) and choose "System settings".

The Home screen
This is how your Home screen will look:

The Home screen is the default screen of your smartphone. Here you can 'start fresh' and easily reach all applications. In the bottom bar you will always find the **main menu button** in the middle, surrounded by the most popular apps. As with so many things on this device, you can customize this bar and adjust it to your preference.

In total there are five Home screens, which you can access by swiping from left to right and vice versa.

You can change the background image by placing your finger on an empty spot and holding it there for a moment.

You can add shortcuts to the Home screen by touching and holding your finger on an empty spot in the screen. A sub-menu will appear which will allow you to add any shortcut of an app to the Home screen.

By touching and holding your finger on an icon (rather than tapping it), you can move the icon, or delete it by dragging it to the appearing trash can icon top of the screen.

Tapping the main menu button will bring you to the main menu of your smartphone, showing all installed applications. You can transfer an icon to your home screen by touching and holding it for a couple of seconds.

Unlocking the screen

When the smartphone is in standby mode, you'll need to **unlock** the screen before you can use it. Here's how:

- Press the power button
- Place your finger on the closed padlock in the middle of the screen.
- A circle around the lock and an icon of an opened padlock on the right-hand side will appear.
- Drag the circle to the right, place it around the opened padlock and let it go. The screen should now be unlocked.

6. Applications & widgets

Applications

Your smartphone comes with a number of standard applications, better known as "apps". In this chapter we will explain to you what the most important apps can do for you.

- **Phone**

In the bottom left corner of your home screen you will find the telephone icon. Tapping it will open the smartphone app through which you can make calls.

You now have three ways to place a call:

1 | By tapping the smartphone icon on the top-left you will enter the standard telephone screen that allows you to enter a smartphone number directly.
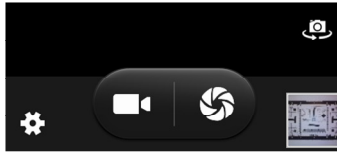**2 |** Tapping the clock symbol will bring up the call history. By tapping the smartphone icon next to an entry, the smartphone will dial the number listed.
3 | Tapping the contact icon on the right will bring up all your saved contacts with their respective smartphone numbers.

>Tip: Once you start dialing a number, the corresponding sequence of numbers in your contact list will appear in the top of your screen. You may also enter a name, like 5646 for "JOHN".

- **Camera**

Tapping to camera icon will open the camera application.

Here you can select the video or photo camera.

Next to the 'camera options' (i.e. main) button, you will see a thumbnail of the latest picture or vide oclip made. Tapping this picture lets you view and possibly share the picture.

Above the thumbnail you will find a small camera icon with circling arrow below it. Tapping it lets you switch between rear and front camera.

On the left-hand side a "Settings" icon is located. Tap this to view and change the camera settings.

- **Messages**

The 'text balloon' icon brings up the "Messages" menu.

Tapping the icon in the bottom-left corner starts a new conversation. A keyboard will appear automatically.
>Tip: Android does not deal with individual messages – all messages are displayed as if they form a conversation. Therefore, you see what has already been discussed before.

>Tip: To delete a conversation, simply put your finger on the conversation, hold it there until a trash can icon appears, then tap that icon.

At the line on top of your screen, you can enter a smartphone number. If you wish to add one or more contacts out of your smartphone book, tap the contact icon on the right-hand side of the top line.

By tapping the icon of a folded paper plane, the message will be sent.

Widgets

Android 4.2 offers a huge amount of widgets – a kind of app that can be put on your main screen. To put a widget there, tap the menu button to enter the main menu, then hit "Next" and tap "Widgets". By sliding your finger left and right, you can scroll through all widgets. Tapping and holding a widget for some seconds enables you to drag it to the main screen and determine where to place it.

>Please note: In some cases, an app has its own widget. If this is so, these Widgets will be shown in this menu as well.

7. Accessories in the box

USB cable

With the included USB cable you can charge the battery of your device or connect your smartphone to a computer.

- Charging the battery: First connect the (included) wall plug charger to the USB connector of the cable and insert the micro-USB connector into the USB port of your phone. Lastly, plug the charger into a wall socket.
- Connecting to a computer: Before you start, make sure your smartphone is switched off. Now insert the micro-USB connector into the USB port of your phone, then plug the standard USB connector at other end of the cable into the appropriate USB port of a computer. Lastly, switch on your phone. When you want to disconnect, we strongly advise you to make sure the hardware (phone) is removed safely, i.e. through the "remove hardware safely" option of your computer. Doing it differently, might damage the data on your phone.

While your smartphone is connected to a computer, the battery is being charged as well.

>Please note: Never allow Windows to format the memory of your smartphone. This could damage the internal memory of your smartphone beyond repair. The same goes for formatting your SD card: use your smartphone to do this, or use a compatible SD card reader.

Charger and battery

Only use the included charger and always in a dry environment. Short-circuiting may cause fire, personal injuries and increases the risk of an explosion. If you still would like to use a different charger, please consult your retailer first.

This smartphone comes with an original battery. In case of a defective battery, please contact your retailer.

>Please note: The chapter "Additional safety instructions" contains more information about the battery and how to use it.

8. Common issues and solutions

Issue	Potential causes and solutions
The device does not switch on	- The battery is not charged.
The battery does not charge	- The battery is depleted and needs to be charged for a prolonged period of time. - Charger or USB cable is defective. - Battery is defective.
A SIM error occurs	- The SIM card has gotten dirty and therefore cannot be read properly. - The SIM card is not properly inserted (see also chapter 3 for proper SIM insertion). - The SIM card is damaged/defective. Please contact your provider. *>Please note: This also applies to SIM2.*

The signal is poor	- Check whether the on-screen signal indicator shows more than two bars. If this is not the case, you are in a location with poor reception. *> Please note: This also applies to SIM2.*
It is not possible to make a call	- "Caller ID" is disabled and your provider does not allow anonymous calling. - There is a strong source of disruption in the vicinity. - You may have set limitations in the settings for calling. - Your provider has not yet activated your SIM card.

It is not possible to connect to a network	- The network's signal is poor or there are strong disruptions nearby. - The SIM card is not properly inserted (see also chapter 3 for proper SIM insertion). - The SIM card is damaged/defective. Please contact your provider. - "Airplane mode" is activated, all wireless communications are disabled. Next to the time indicator, one or two airplane icons are displayed.

The smartphone is not able to establish a (3G) internet connection	- Check with your provider if "data" is part of your bundle. - Make sure "data connection" is enabled on your phone. - Obtain the correct APN settings (on the website of your network provider) and set your smartphone accordingly. Go to: *Settings > More > Mobile networks > Access Point Names*. - In case you use the services of an MVNO provider, make sure "roaming" is activated. Go to: *Settings > SIM management > Roaming*.
My pictures are too dark	- Check your camera settings. - The environment does not have sufficient light.
My pictures are blurry.	- Make sure the object you're trying to take a picture of does not move. - While taking a picture, hold your smartphone still. - The environment does not have sufficient light.

The battery drains too quickly	Smartphones are heavy consumers when it comes to energy. Therefore, the operational battery time is highly dependent on how the smartphone is used. On average, it's not uncommon a smartphone needs be recharged by the end of the day.
The GPS-functionality is not working properly / I do not get a GPS fix	- Check if "GPS" is enabled. - Windshields with heat protection, windshield heating, multi-storey buildings or heavy forestation are known to scramble GPS or block it altogether. - Try to establish a GPS connection outside, in an open field. After approximately 5 minutes, you should have a fix.

9. Additional safety instructions

Local laws and regulations
Take into account possible special laws and regulations that might apply to the place in which you use your smartphone.

Volume
To prevent hearing impairment, make sure to keep the volume of earphones to a responsible level.

Pacemakers
People carrying a pacemaker need to follow these instructions:
- When the smartphone is switched on, always maintain a distance of at least 15 cm from the pacemaker.
- Never carry the smartphone a breast pocket.
- When making calls, hold the smartphone to your right ear (opposite the pacemaker).

Hearing aid devices
Your smartphone may cause interference with certain hearing aid devices. If this is the case, please contact the manufacturer of the hearing device.

Precautions for using your battery and charger
The battery charge depends on the network you use, the smartphone settings and the environment in which the smartphone is used. You EX-SM14 is designed for normal operation during 24 hours.

Under no circumstance use a charger that is damaged in any way.

When using the smartphone in the vicinity of a base-station of a network, power usage will decrease. The battery time in which a device can remain in standby mode or be operational for calling is strongly affected by the strength of the signal of the mobile network.

Charging time depends on the remaining battery power, the type of battery and the charger used for charging the battery. A battery may be charged and discharged hundreds of time, but it will become worn out over time.

Unplug the charger when it is not being used. Do not leave the smartphone attached to the charger for a period exceeding 48 hours straight. Overcharging may drastically decrease battery life. Even when unused, a fully charged battery will slowly get depleted.

In case your smartphone or charger gets wet, do not attempt to dry it in a heating device, such as a dryer or a microwave oven. Doing so, may cause burn wounds or lead to swelling or even explosion of the phone, battery, charger, or the heating device used.

>Please note: The manufacturer hereby declares to repudiate all responsibility for any direct or collateral damage that results from failure to comply to one or more of the instructions above or incorrectly executed procedures.

Radiation and SAR

The EX-SM14 meets the requirements for the CE marking, also with regard to radiation. Your smartphone is equipped with multiple senders and receivers (GSM/UMTS/Wi-Fi). The design of your device is such, that it meets CE-requirements.

Radio waves influence the human body, they are absorbed within the body and converted to warmth. SAR values express the extent to which this takes place. SAR is the acronym for Specific Absorption Rate.

In order to obtain the most objective frame of SAR-values, different means of measuring are employed. The object is to determine the amount of Watts that are absorbed per Kg of body mass, averaged over 10 grams of body-tissue. The CE-marking requires this value to not exceed 2.0 W/Kg. The SAR limitations in the United States, established by the FCC, are even lower, at 1.6 W/Kg.

Testing for SAR-values is performed under the following conditions:

- At the highest permitted level of transmitter power output that the equipped sender is capable to transmit on the various frequencies.
- At the least favorable circumstances possible in everyday normal use, for example when the device is held close to the head.

Your device was designed to use only the power necessary to remain in contact with the network. Since SAR-test protocol regulations require testing and measuring SAR-values at maximum transmitter power output, the actual amount of radiation will be lower than the SAR-value that this device is specified with. This value is strongly influenced by the network reception on your location.

SAR values:

Mode	Highest Reported Head SAR1g (W/kg)	Highest Reported Body-worn SAR1g (1.0 cm Gap) (W/Kg)	Highest Reported Hotspot SAR1g (1.0 cm Gap) (W/Kg)
GSM850	1.00	1.09	1.09
GSM1900	0.29	0.44	0.51
WCDMA II	0.25	0.38	0.55

SAT – DAS – SAR: B

« Think of your health – use your cell smartphone moderately, call with an earpiece and choose a device with a lower SAR value».

FCC RF EXPOSURE INFORMATION:
WARNING!! Read this information before using your phone

In August 1986 the Federal Communications Commission (FCC) of the United States with its action in Report and Outer FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

BODY-WORN OPERATION:
This device was tested for typical body-worn operations with the back of the phone kept 10mm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the back of the phone, including the antenna. Third-party belt-clips, holsters and similar accessories containing metallic components shall not be used. Body-worn accessories that cannot maintain 10mm separation distance between

the user's body and the back of the phone, and have not been tested for typical body-worn
operations may not comply with FCC RF exposure limits and should be avoided.
For more information about RF exposure, please visit the FCC website at www.fcc.gov

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When
it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal
Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for
hand-held wireless phones. Those guidelines are consistent with the safety standards previously
set by both U.S. and international standards bodies:

<ANSIC95.1> (1992) / <NCRP Report 86> (1986) / <ICIMIRP> (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant
scientific literature. For example, over 120 scientists, engineers, and physicians from universities,
government health agencies, and industry reviewed the available body of research to develop
the ANSI Standard (C95.1). Nevertheless, we recommend that you use a hands-free kit with
your phone (such as an earpiece or headset) to avoid potential exposure to RF energy. The
design of your phone complies with the FCC guidelines (and those standards).

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

NORMAL POSITION:
Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.0

RF Exposure Information:
This product is compliance to FCC RF Exposure requirements and refer to FCC website search for FCC ID: 2AD2CEX-SM14 to gain further information include SAR Values.

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, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.
NOTE: 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. These limits are designed to provide
reasonable protection against harmful interference in a residential installation. This equipment
generates uses and can radiate radio frequency energy and, if not installed and used in
accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will 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 the
interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is
connected.
-Consult the dealer or an experienced radio/TV technician for help

Do not use the device with the environment which below minimum -10℃ or over maximum
50℃, the device may not work.

Changes or modifications to this unit not expressly approved by the party responsible for

compliance could void the user's authority to operate the equipment.

Ad Hoc function is supported but not able to operate on non-US frequencies.