

C-five | C-five Ex

Quick Start and Regulatory Guide

QSG 180127 A20



| Non-Contractual Pictures |

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SAFETY PRECAUTIONS

- Before entering in hazardous location, the device shall be inspected for signs of damage on the enclosure.
- If damages are visible do not use the device in hazardous locations until it is repaired by an authorized service center.
- The housing of the device must not be opened inside the Ex-hazardous area.
- Charging and wired data connection is only allowed in safe (non-hazardous) locations.
- It is only allowed to exchange the battery pack in safe (non-hazardous) locations.
- The device may only be used with battery pack type BP16-001510.
- The device may be used without handstrap, screen protector or carry case.
- Only protective case and handstrap allowed to use: PN 6070-000110 purchased to COPPERNIC.
- Usage only in controlled environment with suitably reduced pollution.
- The device shall be protected against excessive UV-light.
- The device shall be protected against mechanical impacts with high impact energy.
- The device shall never be used next to strong charge generating processes.
- The device shall not be attached with a screen protector.

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WHAT'S IN THE BOX ?

C-five

C-five ATEX



1 DEVICE

2 NOTICE

3 BOX

4 PLUGS : UK or EU
(VARIES BY CONFIGURATION)

5 CABLE MICRO USB | USB A

6 POWER SUPPLY

7 BATTERY

8 PROTECTIVE CASE & HANDSTRAP
(ACCESSORY IN OPTION)

9 TEST REPORT

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PRODUCT OVERVIEW

C-five

C-five ATEX



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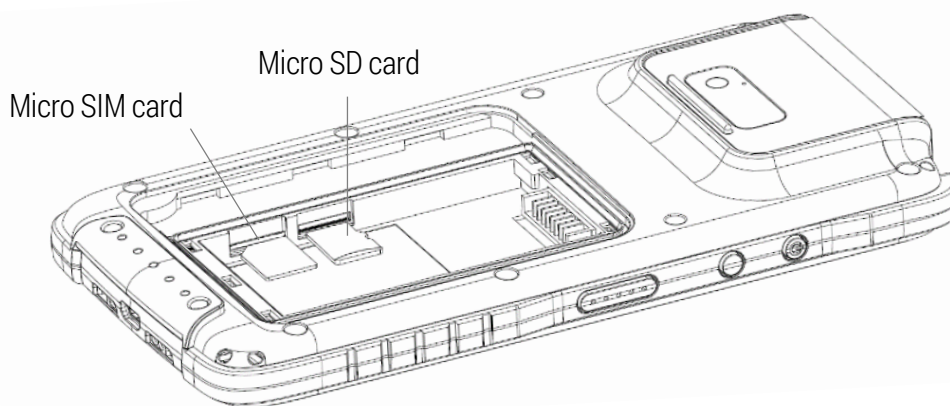
Setting up your device

IMPORTANT WARNING

- The Micro SIM must be inserted parallel to the battery compartment. If not, there is a risk to damage the SIM connector.
- Please ONLY use regular Micro SIM card provided by the carriers. Do not use a SIM adaptor tray to avoid the damage of micro SIM slot due to an improper SIM installation (uneven surface) on a tray.

MICRO SIM | MICRO SD cards installation

- Open the battery door: Slide the battery latch to the right
- Insert the Micro SD card into SD slot
- Insert Micro SIM card into SIM slot



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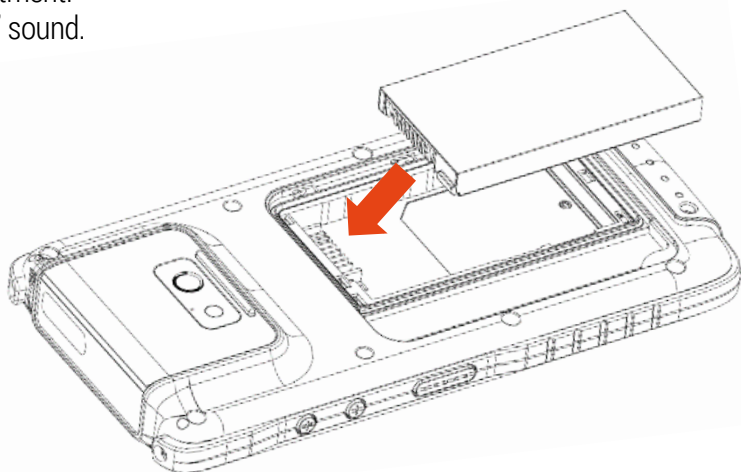
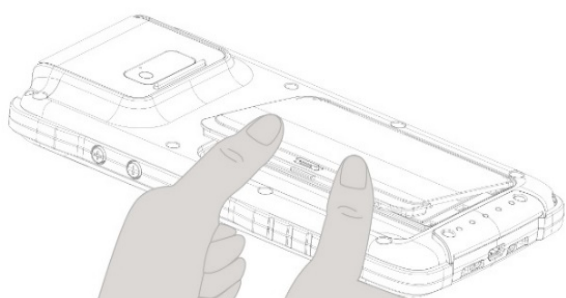
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Setting up your device

Battery installation

- Insert the battery, top side first.
- Rotate the bottom side of the battery in the compartment.
- Press down the battery cover until you hear a “click” sound.



NOTE

Please make sure the battery latch is on the left hand side for the battery door to close properly.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.



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Setting up your device

CAUTION

Please make sure the device being charged fully when using C-five at first time.

Please ensure the Micro USB port clean and dry before inserting a USB cable for charging to avoid the operating issues on the device.

Please remove water or moisture from the Micro USB port instantly with soft cloth when the device gets wet, to avoid the operating issues on the device.

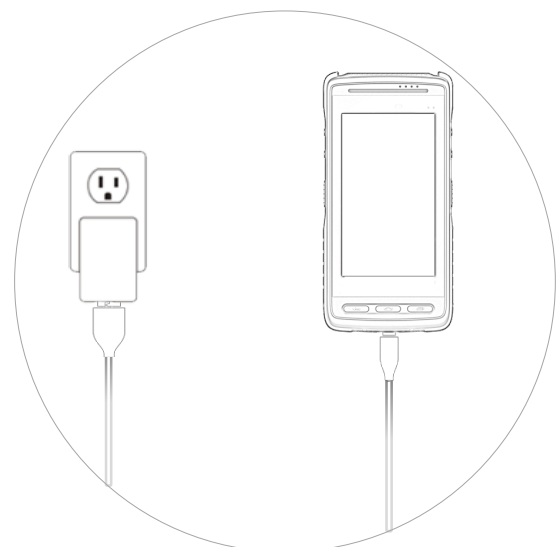
Charge the BATTERY

Before using the C-five, please charge the battery using one of the following accessories approved by COPPERNIC.

1. Insert the micro USB cable into the C-five and USB A cable into the power supply.

> Cable Micro USB | USB A is included in the device box.

> Power supply is included in the device box.



2. Insert the Jack Power Adapter into the docking station and the power supply into the socket.

> Power supply is included in the docking station box.



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Setting up your device

LED indicators

DEVICE: C-FIVE





	Red LED blinks (LED1)	Low battery - Battery level $\leq 15\%$
	Red LED (LED1)	Battery is charging - Battery level $>15\%$ et $\leq 97\%$
	Green LED (LED1)	Battery is fully charged - Battery level $> 97\%$
	Blue LED blinks (LED2)	BT devices connected or receiving messages/notifications

CRADLE: DS-FIVE

LED indicates the status of cradle power connection and battery power.



	Red LED	Power connected and low battery power
	Green LED (LED1)	Power connected and battery fully charged

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Using your device

TURNING ON | TURNING OFF your device

Power Off | Press and hold during 5 sec. the power button and select "Power off" in the dialog box.

Reboot | Press and hold during 5 sec. the power button and select "Reboot" in the dialog window to restart the device.

Suspend Mode | Press and release the power button to place the device in suspend mode. The display will be off and go into a low power state to conserve battery power.

Reset | Press and hold the power button during 30s.



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Using your device

DATA CAPTURE | photos & videos

Use the rear camera to take photos and capture video.

1. Go to Home Screen > select **"Camera"** > Tap camera icon or screen to take a picture/switch to video icon and tap for video recording.
2. Using the rear camera to take photos and capture video.

NOTE

Ensure device memory or extend Micro SD card space is available.

DATA CAPTURE | barcode scanner

CAUTION



Class 2 laser when open.

Do not stare into beam or view with optical instruments.

Complies with 21cfr1040.10 and 1040.11 except for deviations pursuant to laser notice no. 50, dated June 24, 2007 and IEC/EN 60825-1:2014.

NOTE

Please remove the protector film before using scanner.

Scan with the imager

- Use **"barcode settings"** provided by Coppernic.

Side-Key Remapping for scanning

- Go to **"Settings"** > Select **"Remap key & Shortcut"**
- Select the key (KEY LEFT DOWN, KEY RIGHT: side function keys) > Tap Remap Key > Tap Barcode Scan
- The red laser aiming pattern turn on to assist in aiming, scan ready when beep sounds
- Release the scan button.



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Regulatory information

CAUTION

Only use COPPERNIC approved accessories.

Operating frequencies C-five

Tx Frequency Bands (Unit: MHz)	GSM 900 : 880 ~ 915
	GSM 1800 : 1710 ~ 1785
	WCDMA Band I : 1920 ~ 1980
	WCDMA Band VIII : 880 ~ 915
	LTE Band 1 : 1920 ~ 1980
	LTE Band 3 : 1710 ~ 1785
	LTE Band 7 : 2500 ~ 2570
	LTE Band 8 : 880 ~ 915
	LTE Band 20 : 832 ~ 862
	LTE Band 28 : 703 ~ 748
	LTE Band 38 : 2570 ~ 2620
	LTE Band 40 : 2300 ~ 2400
	WLAN : 2412 ~ 2472, 5180 ~ 5320, 5500 ~ 5700, 5745 ~ 5825
	Bluetooth : 2402 ~ 2480
	NFC : 13.56
Maximum AVG Conducted Power (Unit: dBm)	GPS : 1575.42
	GSM 900 : 32.55
	GSM 1800 : 29.82
	WCDMA Band I : 23.66
	WCDMA Band VIII : 23.58
	LTE Band 1 : 22.89
	LTE Band 3 : 22.54
	LTE Band 7 : 23.35
	LTE Band 8 : 23.15
	LTE Band 20 : 22.20
	LTE Band 28 : 23.29
	LTE Band 38 : 22.57
	LTE Band 40 : 23.33
	802.11b : 14.71
	802.11g : 15.22
	802.11n HT20 (2.4GHz) : 15.28
	802.11n HT40 (2.4GHz) : 15.26
	802.11a : 14.87
	802.11n HT20 (5GHz) : 14.82
	802.11n HT40 (5GHz) : 14.75
	Bluetooth : 1.86

NOTE: C-five: Maximum reported SAR value (head) 0.730 W/kg (10g)
C-five: Maximum reported SAR value (body-worn @5mm) 1.71 W/kg (10g)

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Wireless Device Country Approval

CAUTION

Operation of the device without regulatory approval is illegal.

Regulatory markings, subject to certification, are applied to the device signifying the radio(s) are approved for use in the European countries under CE coverage.

For 2.4GHz or 5GHz products : Europe includes Austria, Belgium, Bulgaria, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherland, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Country Roaming

This device incorporates the international roaming feature which will ensure the product operates on the correct channels for the particular country of use.

Ad-Hoc Operation (5GHz Band)

Ad-Hoc operation is limited to Channels 36- 48 (5150 – 5250 MHz). Use of this band is restricted to indoor use only, any other use will make the operation of this device illegal.

Warnings of Use Wireless Devices

Please observe warning notices with regard to the usage of wireless devices.

Potentially Hazardous Atmospheres – Vehicles Use

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders) and any other area where you would normally be advised to turn off your vehicle engine.

Safety in Aircraft

Turn off your wireless device whenever you are instructed to do so by airport or airline staff.

Safety in Hospitals

Wireless devices transmit radio frequency energy and may affect medical electrical equipment. Wireless devices should be switched off whenever you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.

Safety Information – Europe

This device was tested for typical body-worn operation. Use only COPPERNIC tested and approved accessories to ensure EU compliance.

Laser Devices

Class 2 laser scanners use a lower power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a class 2 laser is not known to be harmful.

CAUTION

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

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Power Adaptor

Use only a C-five approved Power Adaptor with electrical ratings: Output 5VDC, min 2A, with a maximum ambient temperature of at least 45°C. Use of alternative power adaptor will invalidate any approvals given to this device and maybe dangerous.

Battery Information

Use only a COPPERNIC approved batteries.

When devices are stored over six (6) months without use, some irreversible deterioration in overall battery quality may occur. Store devices at half of full charge in a dry, cool place. When storing devices for one year or longer, the charge level of battery should be verified at least once a year and charged to half of full charge.

Battery Safety

1. The area in which the units are charged should be clear of debris and combustible materials or chemicals. Particular care should be taken where the device is charged in a non-commercial environment.
2. Follow battery usage, storage, and charging guidelines found in the user guide.
3. Improper battery use may result in a fire, explosion, or other hazard.
4. To charge the device battery, the battery and charger temperature must be between 0°C~+45°C.
5. Do not use incompatible batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or the hazard.
6. Do not disassemble or open, crush, bend or deform, puncture, or shred the device.
7. Severe impact from dropping any battery-operated device on a hard surface could cause the battery to overheat.
8. Do not short circuit a battery or allow metallic or conductive objects to contact the battery terminals.
9. Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard.
10. Do not leave or store the equipment in or near areas that might get very hot, such as in a parked vehicle or near a radiator or other heat source. Do not place battery into a microwave oven or dryer.
11. Battery usage by children should be supervised.
12. Please follow local regulations to promptly dispose of used re-chargeable batteries.
13. Do not dispose of batteries in fire.
14. Seek medical advice immediately if a battery has been swallowed. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with large amounts of water and seek medical advice.

Frequency of WLAN Operation

The device is restricted to indoor use only when operating in the 5180 to 5240 MHz frequency range.

This device complies with **Directive 2014/53/EU** issued by the Commission of the European Community.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

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