



C4 GREEN Quick Manual

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1 Features and Structure



Accessories



2 Basic Operation

2.1 Wake up

System would enter standby mode automatically after the default 1 minute idle status, or we can press the power button to enter the standby mode forcedly; For tablets in standby mode, please the power button slightly to wake it up;

2.2 Shutdown

Press the power button for seconds and select the option of “Power off” to shutdown the terminal. Please save the data before shutting down the system, otherwise the unsaved data would be lost.

2.3 Software Installation and Data Transfer with a PC

Plug in the USB connection. An information should appear with one of this texts:

- “Connected as a USB Storage”
- “Connected as a media device” (MTP)
- “Connected as a camera” (PTP)
- “USB Charge Only”
- “Connected as an installer” (external USB CD-ROM drive)

You can also try to pull this information from the top of the screen. Double touch on this information; this will open the USB computer connection settings.

Only MTP and PTP provide read/write access from your PC to the C4. The C4 will appear in Windows Explorer as portable device.

- MTP allows access to a number of folders.
- PTP allows access only to the folders “DCIM” and “Pictures”.

Copy software installation file (e.g. “UhfSDKdemo.apk”) in any of these folders (e.g. “Download”).

Open the “File Manager” app, navigate to the folder “Download”. Select the software installation file; this will lead to an installation screen.

2.4 Uninstall Apps

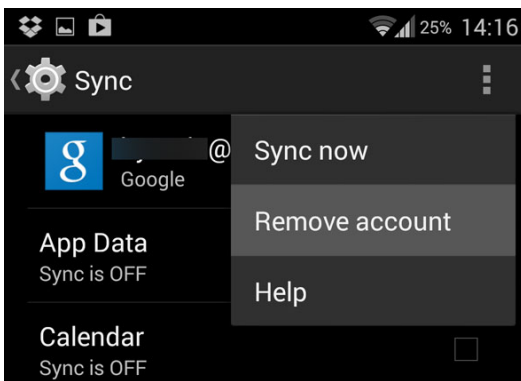
Open "Settings" => go to section "Device" => open "Apps" => select desired app, this will open an information and action screen.

2.5 Add Google Playstore Account

If you open Google Playstore for the first time, you are requested to input the e-mail address and password of your Google Playstore account. Next step is to provide your payment method. Do not ignore this step! Otherwise Google Playstore may crash. Select "Remind me later" if you don't want to set your payment method.

2.6 Remove Google Playstore Account

Open "Settings" => go to section "Personal" => open "Accounts" => open "Google" => click on first entry with E-Mail
Now you should see the settings of your google account sync settings.
Open right top Menu [Remove Account]



2.7 Remove WLAN Access

Open "Settings" => select "Wi-Fi" => click on connected network => select [FORGET] in bottom left corner

2.8 Useful Resources

- androidtipsandhacks.com
- androidcentral.com

3 Technical Data

Physical Characteristics

Dimension	158 × 75 × 28 ±2 mm (H × W × D)
Weight	Net Weight :300 g (including battery & wrist strap)
Display	Gorilla Glass 3 9H 4.0 in. TFT-LCD (WVGA 480 × 800) touch screen with backlight
Backlight	LED backlight
Keypads	3 TP keys, 17 function keys, 4 side buttons
Expansions	2 PSAM, 1 SIM, 1 TF
Battery	Rechargeable li-ion polymer, 3.7 V, 5200 mAh

Performance Characteristics

CPU	Quad A53 1.3 GHz quad-core
Operating System	Android 5.1.1
Storage	2 GB RAM, 16 GB ROM, MicroSD (max 32 GB expansion)

Environmental Conditions

Operating Temperature	-20 to +50 °C
Storage Temperature	-20 to +70 °C
Humidity	5 to 95 % relative humidity (non-condensing)
Drop Specifications	5 ft./1.5 m drop to concrete across the operating temperature range
Sealing	IP65, IEC compliance
ESD	±15 kV air discharge, ±8 kV direct discharge

Development Environment

SDK	HHW Software Development Kit
Language	Java
Environment	Android Studio or Eclipse

Data Communication

WWAN	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 7, 17, 20 WCDMA(850/1900/2100MHz); GSM/GPRS/Edge 850/900/1800/1900MHz);
WLAN	2.4/5 GHz Dual Frequency, IEEE 802.11 a/b/g/n
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.0
GPS	GPS(embedded A-GPS), accuracy of 5 m

Accessories

Standard	1 × Power Supply 1 × Lithium Polymer Battery 1 × DC charging cable 1 × USB data cable
Optional	Cradle

Data Capturer**Barcode Reader (Optional)**

1D Barcode	1D laser engine	Symbol SE955
	Symbologies	All major 1D barcodes
2D Barcode	2D CMOS Imager	Honeywell N6603
	Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal. etc.

Color Camera

Resolution	8.0 megapixel
Lens	Auto-focus with LED flash

RFID Reader (Optional)

LF RFID	Frequency	125/134.2 kHz (FDX-B/HDX)
	Protocol	ISO 11784 & 11785
	R/W Range	2 to 10 cm
HF RFID	Frequency	13.56 MHz
	Protocol	ISO 14443A & 15693
	R/W Range	2 to 8 cm

PSAM Security (Optional)

Protocol	ISO 7816
Baudrate	9600, 19200, 38400, 43000, 56000, 57600, 115200
Slot	2 slots(maximum)

4 Troubleshooting

4.1 Camera already in use by other app

This happens because 2D and camera share the same physical hardware connection, so they cannot be open at the same time. You need to close one hardware module before opening the other one. This limitation exists in all the 2D devices including devices from the other manufacturers.