

SingularXYZ



SC260 Data Controller User Manual

V1.0, modified on 2025.11.13

Proprietary Notice

Information in this document is subject to change without notice and does not represent a commitment on the part of SingularXYZ Intelligent Technology Ltd. The software described in this document is furnished under a license agreement or non-disclosure agreement. The software may be used or copied only in accordance with the terms of the agreement. It is against the law to copy the software on any medium except as specifically allowed in the license or non-disclosure agreement.

No part of this manual may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, for any purpose without the express written permission of a duly authorized representative of SingularXYZ Intelligent Technology Ltd.

Corporate Office

SingularXYZ Intelligent Technology Ltd.

Address: Floor 2, Building A, No. 599 Gaojing Road, 201702 Shanghai, China

Tel: +86-21-60835489

Fax: +86-21-60835497

Website: <https://www.singularxyz.com>

E-mail: singularxyz@singularxyz.com

Technical Assistant

If you have any questions that can't be solved in this manual, please contact your local SingularXYZ distribution partner. Alternatively, request technical support from SingularXYZ Intelligent Technology Ltd.

Support Email: support@singularxyz.com

Support Skype: [Support.SingularXYZ](https://www.skype.com/join/Support.SingularXYZ)

Your feedback on this manual will help us improve it with future revisions.

©2024 SingularXYZ Intelligent Technology Ltd. All rights reserved.

Table of Content

Chapter 1 Introduction

1.1	Overview	3
1.2	Packing List.....	3
1.3	Specification	4
1.4	Front View.....	6
1.5	Back View	6
1.6	Left/Right Side	7
1.7	Installation.....	7

Chapter 2 General Operations

2.1	Power on and Power off	8
2.2	Language & input	8
2.3	Set Date & Time	9
2.4	Display	10
2.5	WIFI	10
2.6	Bluetooth.....	11
2.7	USB Connection.....	11
2.8	Use Camera	12
2.9	Log in 4G.....	13
2.10	Location	13
2.11	Check the IMEI Number of the Device.....	14
2.12	Restore Factory Setting	14

1.1 Overview

SC260 Data Controller is a high-performance smart handheld terminal developed by SingularXYZ.

Embracing the latest Android 11 OS, the SC260 reaches new heights in performance and compatibility. With an 8-core 2.0GHz CPU, 4GB RAM, and 64GB internal storage, it ensures seamless compatibility with various third-party field software. The inclusion of advanced sensors further solidifies its technological prowess.

The SC260 elevates the user interaction with a 5.45" sunlight-readable touch screen, providing better clarity and convenience. Integrated 4G, WiFi, and Bluetooth technologies redefine connectivity, simplifying the process of linking with external GNSS devices and transmitting data. A user-centric workflow is at the core of its design.

Built to withstand extreme conditions, the SC260 holds an IP68 waterproof & dustproof rating. The device's durability ensures reliable operation in challenging environments. Fueled by a robust 9000mAh battery, the SC260 extends operational time beyond 18 hours, setting a new standard for work efficiency.

This manual will introduce how to use the SC260 Data Controller properly and expertly.

1.2 Packing List

No.	Name	Quantity	Figure
1	SC260 Data Collector	1	
2	USB Cable	1	
3	Charger Adapter (EU/USA/UK)	1	

4	Data Collector Bracket (Optional)	1	
---	-----------------------------------	---	---

1.3 Specification

The following tables describe the specifications of the SC260.

SYSTEM

Item	Specification
CPU	8 core 2.0GHz
Operating System	Android 11
RAM	4GB
ROM	64GB
Camera	13MP rear camera
Screen	5.45-Inch HD highlight screen, 5-point capacitive touch screen
Resolution	720*1440 pixels
Signal tracking	GPS+BDS+GLONASS
Sensors	G-sensors, Light-Sensors, Accelerator, NFC, LED Flash Light, Microphone, Speaker

PHYSICAL&ELECTRICAL

Item	Specification
Size	221*78*16.5 mm
Battery	9000 mAh, more than 18 hours working time with screen on
Charge	Fast charge, less than 5 hours charging time

COMMUNICATION

Item	Specification
BT	BT5.0 (BLE)
Wi-Fi	IEEE 802.11 a/b/g/n/ac 2.4G/5G
SIM	- 1 nano SIM card slot - 1 SIM card slot shared with TF
4G	FDD-LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28 TDD-LTE B34/B38/B39/B40/B41 WCDMA B1/B2/B5/B8 GSM B2/B3/B5/B8
NFC	-Support protocol: ISO14443A/B, ISO15693 -Reading distance: 0-5cm
TF	Support up to 512G extend TF card
Interface	USB-Type C, support fast charge, support OTG

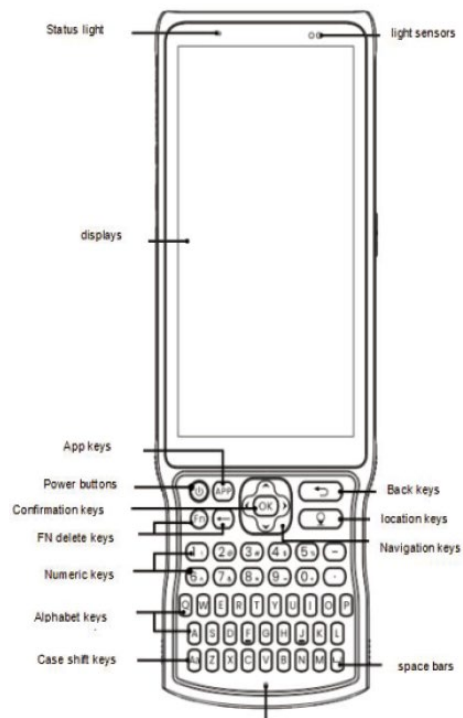
ENVIRONMENTAL

Item	Specification
Working temperature	-20°C ~ +55°C
Storage temperature	-40°C ~ +70°C
Waterproof & dustproof	IP68

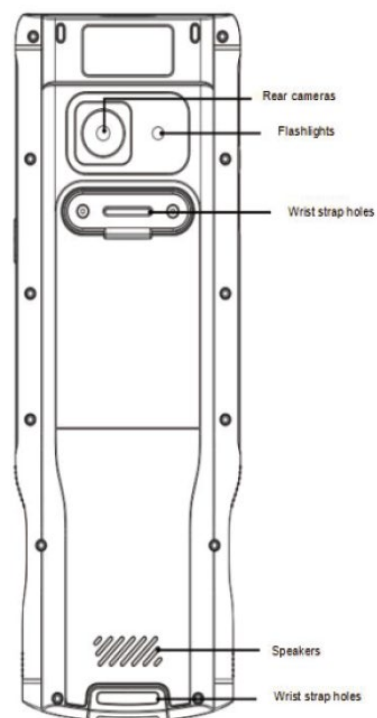
ACCESSORY

Item
AC adapter
USB cable
Hand strap
Battery

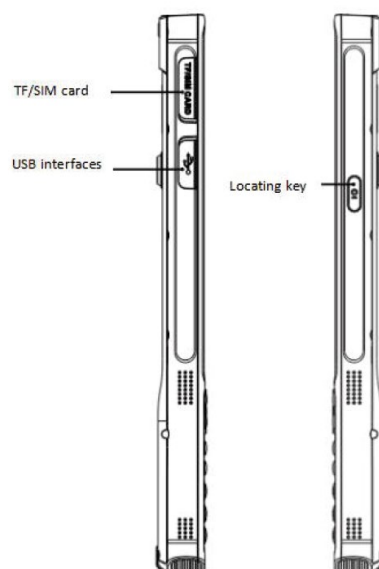
1.4 Front View



1.5 Back View

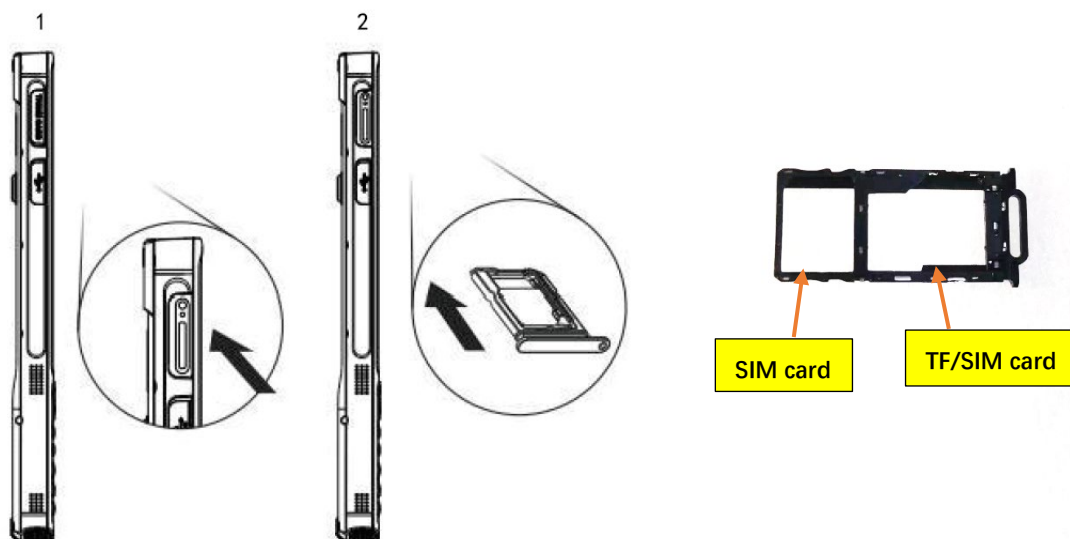


1.6 Left/Right Side



1.7 Installation

Please insert the SIM card and the TF card in the direction of the diagram.



2.1 Power on and Power off

Power on: Holding power button for 2 seconds

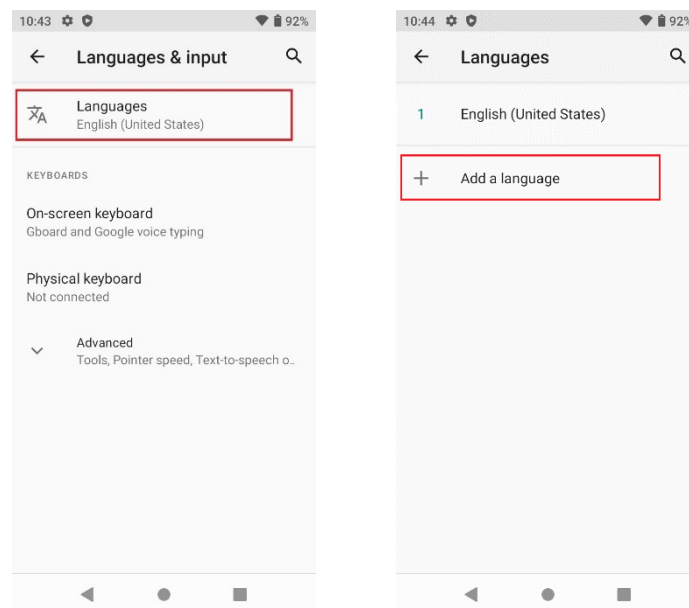
Power off: Holding power button for 8 seconds

Restart: Holding power button for 2 seconds, choose restart.

Force Restart: Holding power button for 8 seconds, to force start SC260.

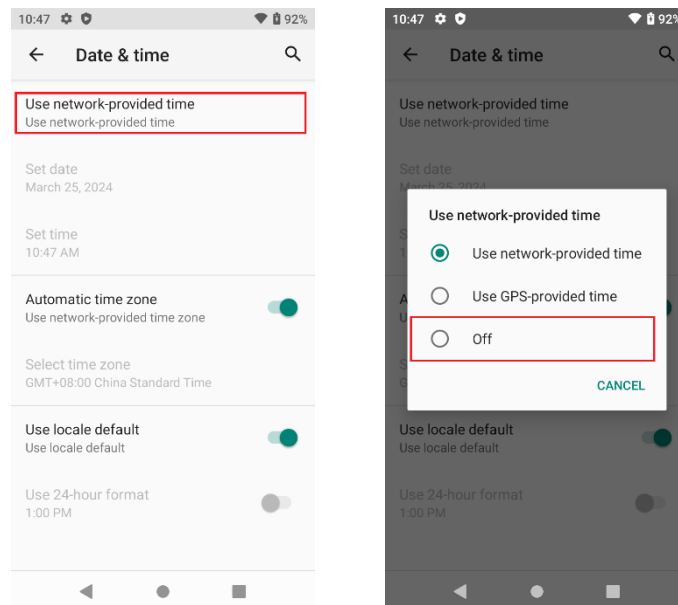
2.2 Language & input

Click [Setting] – [System] – [Language & input] to select language. If you have not found the language you want to choose, click [Add a language] to find the target language.

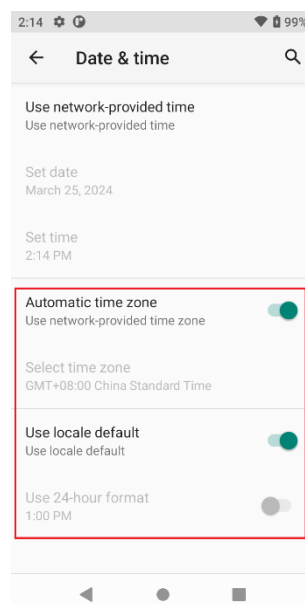


2.3 Set Date & Time

Click [Settings] – [System] – [Date & time] and enter [Date & time] interface.



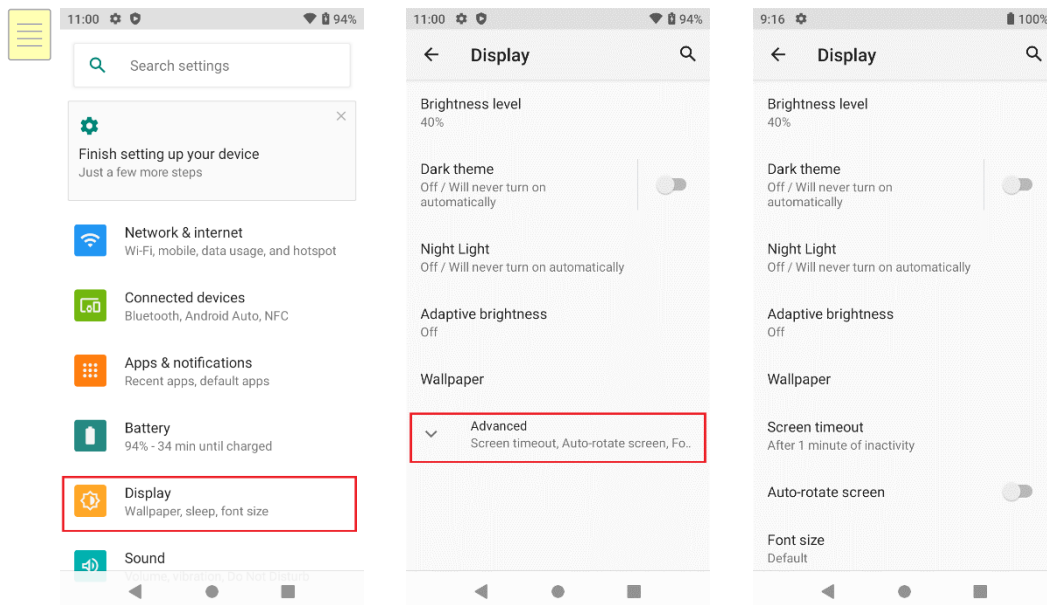
If you want to manually set the date and time, please turn off the **Use network-provided time** and proceed with manual configuration.



You can also customize your time zone and choose whether to use 24-hour format in this interface.

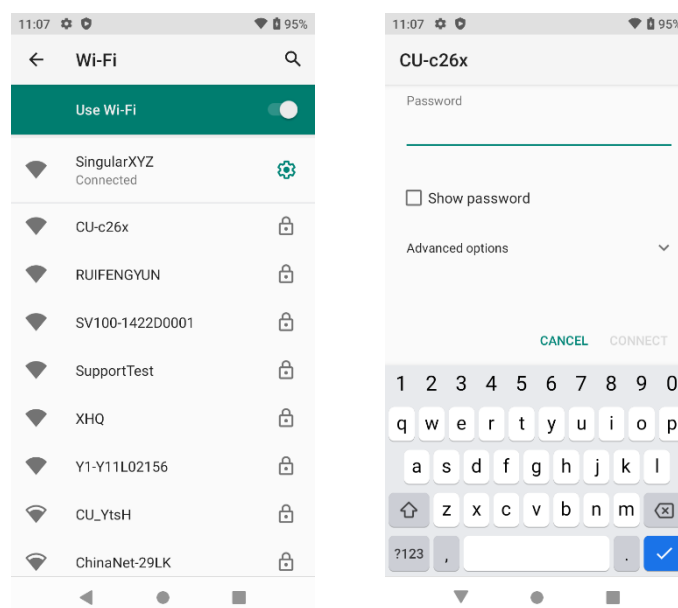
2.4 Display

Click [Settings] – [Display] to enter Display interface. Click **Advanced** to view all the options.



2.5 WIFI

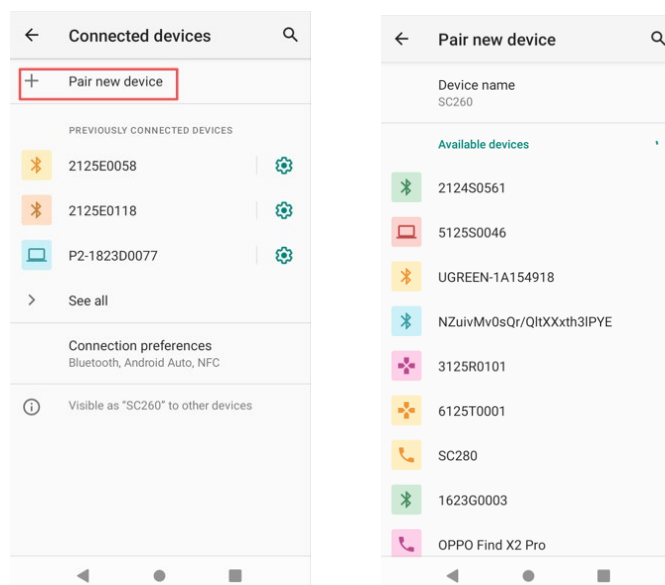
Click [Settings] – [Network & internet] – [WIFI] to switch on the button. Then select **WIFI** and type in its password to connect.



2.6 Bluetooth

Click [Settings] – [Connected devices] – [Bluetooth] to turn on the Bluetooth.

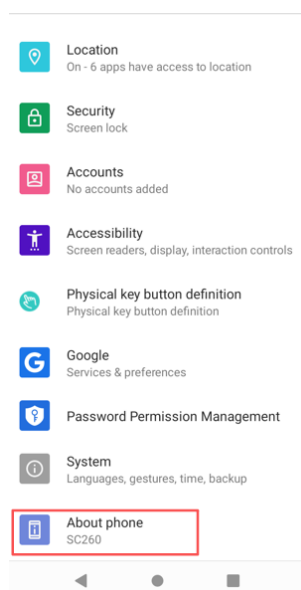
Users can view paired device list. Meanwhile, users can pair new device by clicking [Pair new device] button.



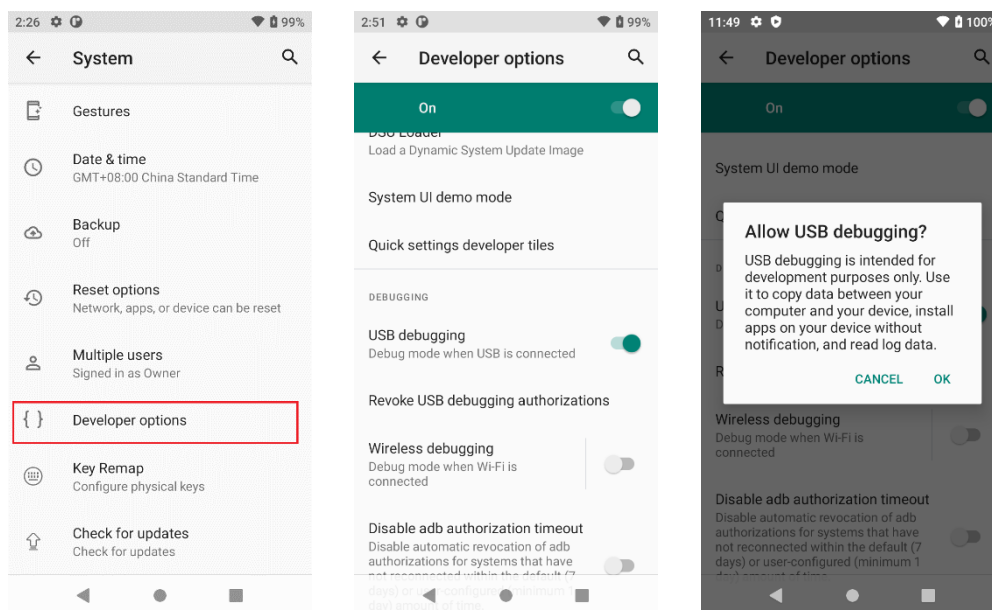
2.7 USB Connection

For connection or data transmission between SC260 and personal computer, please use the USB data cable.

Click [Settings] – [About phone] to find out [Build Number], then click [Build Number] several times until it appears at the bottom of the screen that you are now a developer.



In the end, click [Settings] – [System] – [Advanced] – [Developer options] – [USB debugging] to make sure this function is switched on. After USB data cable is connected to PC, wait until the **Allow USB debugging** dialogue pops up, click OK.



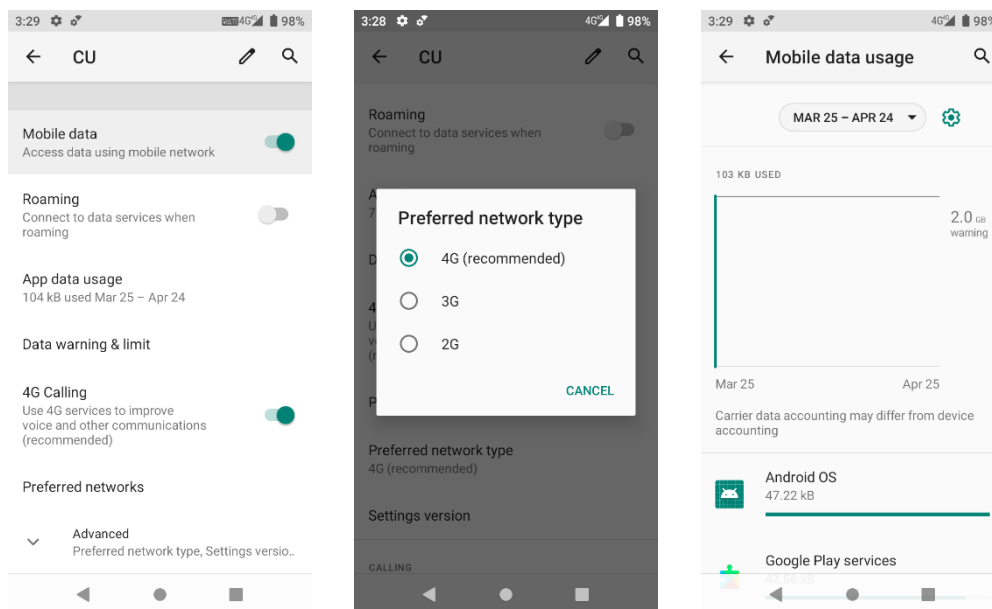
2.8 Use Camera

Please make sure that the battery is charged. If the battery capacity is lower than 5% percent, the device is not allowed to use camera function. You can also configure related parameters by yourself.



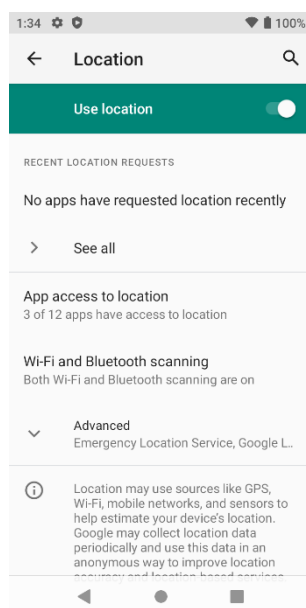
2.9 Log in 4G

After inserting your SIM card, click [Settings] – [Network & Internet] – [Mobile Networks] – [Advance] – [Preferred network type] and select corresponding network type of your SIM card. Then turn on **Mobile data** and click **App data usage** to see data usage.



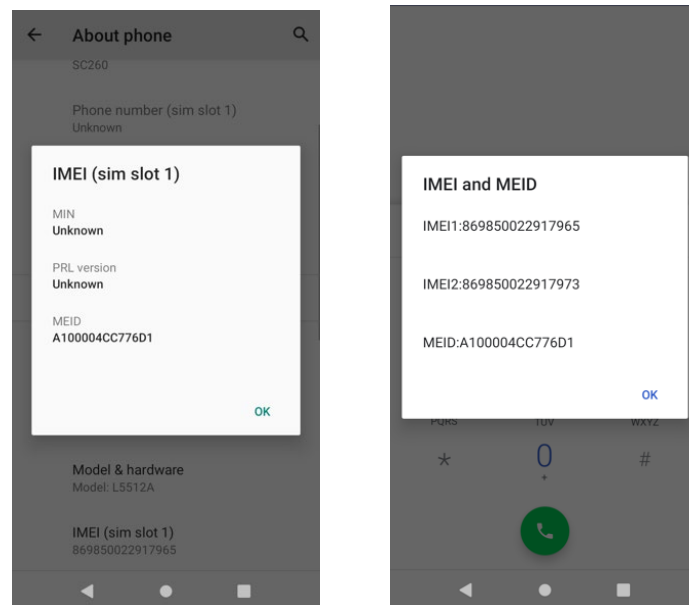
2.10 Location

Click [Settings] – [Location] to switch on location service.



2.11 Check the IMEI Number of the Device

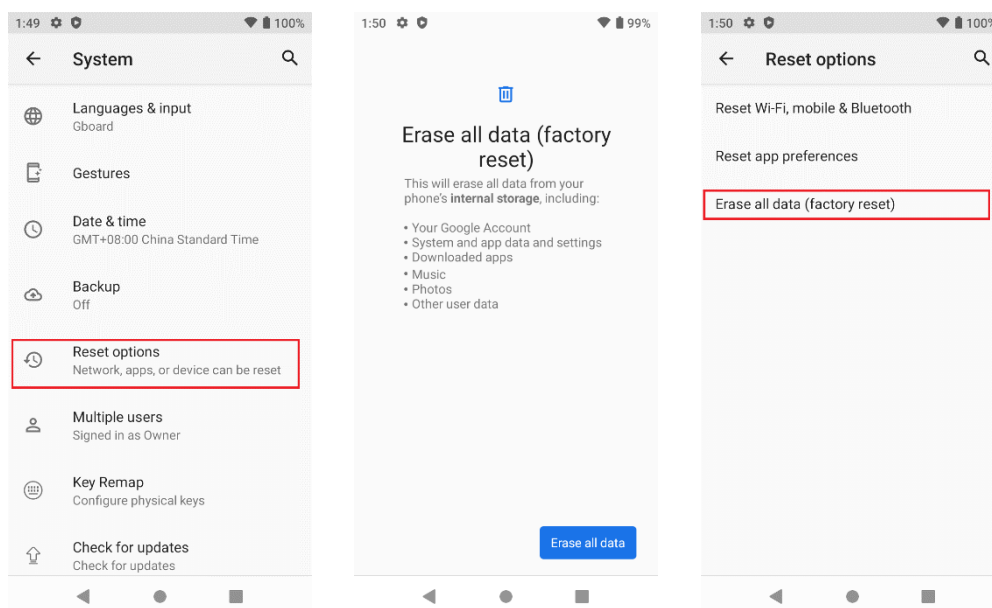
Click [Settings] – [About phone] – [IMEI]. Or enter the dialing panel, tap ‘*#06#’, the IMEI numbers show up automatically.



2.12 Restore Factory Setting

Click [Settings] – [System] – [Reset options] – [Erase all data] – [Delete all data], and then SC260 Data Controller will automatically shut down and restart.

Notice: After choosing [Delete all data], the memory data in SC260 Data Controller will be cleared forever!



15.19 Labeling requirements.

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.

15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.105 Information to the user.

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.

Absorption Rate (SAR) information:

This Device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This device was tested for typical body-worn operations with the back of the handset kept 1.0cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.0cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 1.0 cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.