



Vortex Z22 Android 12 Smartphone User Manual

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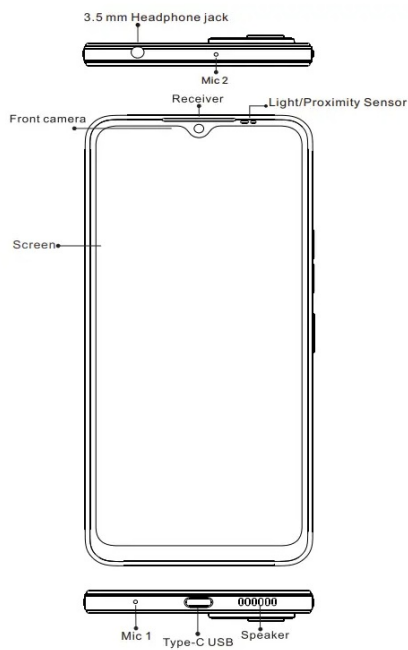
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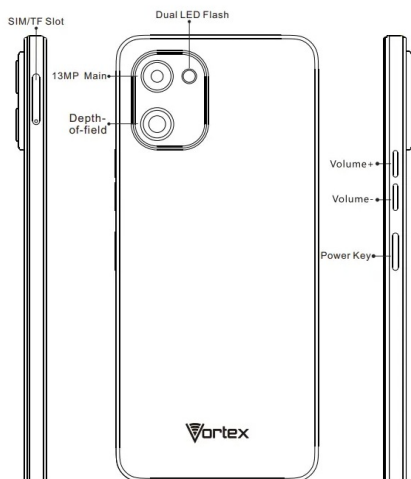
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PRODUCT HEX-VISION IMAGE



POWER BUTTON: Long press to turn on the device; When the device is on, short press the Power Button to shut down or turn on the screen.



VOLUME BUTTON: Short press to adjust the volume or to mute Incoming calls.

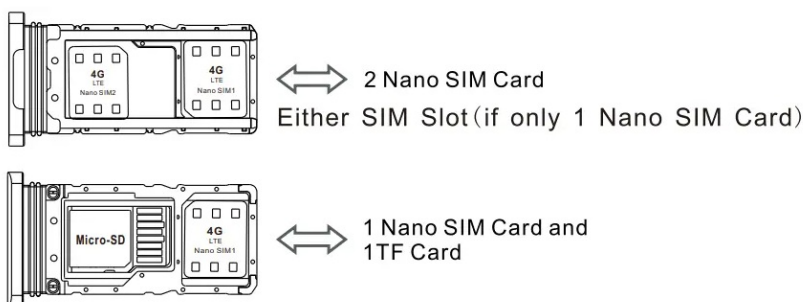
CARD INSERT MANUAL

Insert Nano-SIM Card

Please face the chip side of the Nano-SIM card down when Inserting into the slot. Be aware of the direction of the cut edge when placing the Nano-SIM card into the slot.

Reminder:

Please use standard Nano-SIM card. Please don't use a nonstandard card that is pre-cut, in order to prevent the SIM slot and card tray from being damaged and card-rejection situation that may cause damage to the phone.



TF Card installation

Please place the metal contact of the TF card face down, be aware of the direction of the cut edge. Place the card onto the tray and insert into the device.

Reminder:

Please turn off the phone before changing or replacing the TF card. TF card does not come with the phone, please purchase separately.

DUAL-SIM MANAGEMENT

Please choose which SIM card slot to be the main one to be for 4G network via Setting > SIM Card. Choose your preferred network types of 4G/3G/2G via Setting > Network & Internet > Mobile network > Preferred network type

NETWORK CONNECTION

Connecting WIFI

Into the setting of WiFi via Settings>Network&Internet>Wi-Fi When WiFi is on, a list of available WiFi connections will appear. Click on the one you want to connect to, enter the password if the network is encrypted, then click Connect. When it's a public network, just click Connect When the network shows connected, it is available to use.

Bluetooth Function

Into the setting of Bluetooth function via Settings>Connected devices>Bluetooth Enable the Bluetooth function by clicking the Menu Button then select "Scan", then the phone will search for available Bluetooth devices for pairing and list on the screen. Click on the one you want to pair with, then click "Pair" on the dialog pop-up. Documents are available for transmission after Bluetooth pairing.

Reminder:

Slide down the status bar twice to open the shortcut switches for Bluetooth and other functions.

WiFi and Hot-spot Setting

Click on via Settings>Network&Internet>Hotspot&tethering >Wi-Fi hotspot to turn on the Portable WiFi Hot-spot function. When setting up WiFi hot-spot, enter your user name in ·Network Name· and password, then Click Save. Another device can use the WiFi hot-spot by searching and entering the password.

Reminder:

Please enable the Data Connection before enabling the network sharing function. Your mobile traffic will be shared by other devices, so please use it carefully. The signal of the WiFi hot-spot depends on the signal strength and devices.

CAMERA

Aim the camera at the shooting object, the phone will start to focus automatically; or you can click on the screen to choose the object you want to focus on, then click "Capture" icon to take photos. You can also choose other modes such as video recording, beautifying, and panorama to take photos/videos.

INSTRUCTIONS FOR DUAL-CARD STANDBY

"Dual card, dual standby, single pass" means you can insert two SIM cards and have them both "standby", but cannot make phone calls at the same time. During the standby mode both cards are available for receiving phone calls, but once one of the cards is activated, the other one cannot receive phone calls nor make phone calls.

SECURITY INFORMATION

- Security information (including BS, ES, battery security information) of third-party software installation and function may vary in different regions or by different hardware specifications.
- Vortex holds disclaimer for the performance problem or incompatibility caused by third-party applications, registry editing, OS software modification. Customizing the OS may cause the device or some applications fail to work properly.
- Please prevent the device or the battery in extreme cold/hot condition. The extreme temperature will lead to the deformation of the phone and reduce the charging capacity and battery life.
- Please only use the custom-designed and approved battery and charger by Vortex. An incompatible battery and charger may cause damage to the phone. Please abide by local regulation when disposing of the used batteries and phones.
- Please do not place the battery or the phone onto or inside heating devices such as microwaves, ovens or radiator. The battery may explode if it gets too hot.
- Please do not crush or pierce the battery. Prevent the battery from getting high pressure from outside, it may cause internal short and overheating.

SPECIFICATIONS

BASIC INFORMATION

- Model Z22
- Operating System AndroidM 12
- CPU 4x ARM Cortex-A53 Mpcore up to 1.5GHz
- GPU IMG 8XE 1PPC@570MHz
- RAM 3GB
- ROM 32GB
- Battery 5150mAh

Display

- Screen Size 6.52 inch
- Resolution 720×1600 Pixels
- Touch Capacitive multi-touch

Cameras

- Rear Camera 13MP+2MP Camera
- Front Camera 5MP Camera

Connection(I/O)

- Band
 - **LTE FDD:** B2/4/5/12/13/25/26/66/71
 - **TDD:** B41F
- SIM/TF card 2 Nano SIM Card Or 1 Nano SIM and 1 TF Card
- WIFI IEEE802.11 ac/a/b/g/n
- GNSS GPS, Beidou, Glonass, Galileo
- FM Yes
- Earphone Port 3.5mm
- USB Port Type-C

Other Features

- Video File Format 3GP/MPEG4,etc.
- Audio File Format WAV/MP3/AAC/AMR/MIDI/APE/WMA,etc.
- Card Extend SupportTF card up to 256GB
- Language Support Multi-language
- Sensor G-Sensor, P-Sensor, L-Sensor, Compass,

In the box

- 1x Phone
- 1x Screen Protector (pre-applied)
- 1x Phone Case
- 1x Type-C Cable
- 1x Power Adapter
- 1x SIM Tray Ejector
- 1x Quick Start Guide

Safety Statement

FCC Caution:

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

ISED Warning

Operation of 5150-5250 MHz is restricted to indoor use only. This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Specific Absorption Rate (SAR) information

SAR tests are conducted using standard operating positions accepted by the FCC/ISED 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. Before a new model, the phone is available for sale to the public, it must be tested and certified to the FCC/ISED that it does not exceed the exposure limit established by the FCC/ISED, tests for each phone are performed in positions and locations as required by the FCC/ISED. For body-worn operation, this model phone has been tested and meets the FCC/ISDCRF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 10mm from the body. Non-compliance with the above restrictions may result in a violation of RF exposure guidelines.



BE	BG	CZ	DK	DE	EE	IE	EL
ES	FR	HR	IT	CY	LV	LT	LU
HU	MT	NL	AT	PL	PT	RO	SI
SK	FI	SE	NO	IS	LI	CH	TR


In all EU member states, operation of 5150-5250 MHz is restricted to indoor use only.

Frequency Range

- **EGSM900:** 880-915 MHz (TX), 925-960 MHz (RX)
- **DCS1800:** 1710-1785 MHz (TX), 1805-1880 MHz (RX)
- **WCDMA900:** 880-915 MHz (TX), 925-960 MHz (RX)
- **WCDMA2100:** 1920-1980 MHz (TX), 2110-2170 MHz (RX)
- **LTE Band 1:** 1920-1980MHz(TX); 2110-2170MHz(RX)
- **LTE Band 3:** 1710-1785MHz(TX); 1805-1880MHz(RX)
- **LTE Band 7:** 2500-2570MHz(TX); 2620-2690MHz(RX)
- **LTE Band 8:** 880-915MHz(TX); 925-960MHz(RX)
- **LTE Band 38:** 2570-2620MHz(TX/RX)
- **LTE Band 40:** 2300-2400MHz(TX/RX)
- **5G Wi-Fi:** 5150-5250 MHz; 5725-5850 MHz(TX/RX)
- **2.4G Wi-Fi:** 2412-2472MHz/2422-2462MHz(TX/RX)
- **Bluetooth/BLE:** 2402-2480MHz(TX/RX)
- **GPS L1 CIN BDS B11/ Galileo E1:** 1559-1610MHz (RX)
- **FM:** 87.5-108MHz (RX)
- **RF-Output Power:**
 - **EGSM900:** 33.0dBm(GMSK), 27.0dBm(8PSK)
 - **DCS 1800:** 30.0dBm(GMSK), 26.0dBm(8PSK)
 - **WCDMA900:** 23.0dBm
 - **WCDMA 2100:** 22.1dBm
 - **LTE:** Band 1: 23.0dBm
 - **LTE:** Band 3: 22.5dBm
 - **LTE:** Band 7: 22.0dBm
 - **LTE:** Band 8: 23.5dBm
 - **LTE:** Band 38: 23.5dBm
 - **LTE:** Band 40: 24.0dBm
- **5G Wi-Fi:**
 - **5150-5250 MHz:** 12.98dBm (802.11a), 13.06dBm(802.11n20), 12.18dBm(802.11n40), 12.38dBm (802.11ac20), 12.14dBm(802.11ac40), 12.06dBm(802.11ac80)
 - **5725-5850MHz:**
 - 10.46dBm (802.11a), 11.08dBm(802.11n20), 10.68dBm(802.11n40),
 - 11.04dBm (802.11ac20), 10.78dBm(802.11ac40), 10.36dBm(802.11ac80)
- **2.4G Wi-Fi:** 16.79dBm(802.11b), 17.25dBm(802.11g), 16.97dBm(802.11n-HT20), 16.29dBm(802.11n-HT40)
- **Bluetooth:** 6.98dBm
- **BLE:** 0.22dBm

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Documents / Resources

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References

-  [Vortex Cellular](#)