

User Manual

Dear Customer,

Thank you for choosing our cell phone T-20. This mobile phone incorporates the latest world advanced functions, enabling simple and convenient operation, satisfying your special requirements.

In addition to common multimedia functions this phone also provides you with a variety of value added functions like WIFI, Bluetooth, hi-speed internet browsing. With this manual, you can acquire full understanding of the usage of this phone.

Protect our environment! We strive to produce products in compliance with global environmental standards. Please consult your local authorities for proper disposal.

Note: User's Manual is used to guide the user about the functionality of the phone. This does not seem any certificate of technology. Some functions may vary due to modifications and up gradations of software or due to print mistakes.

Content

Safety precautions	2
About the phone	4
Status icons	4
Keys functions	5
Press this key to confirm the function you choose;	5
Press this key to go back to previous menu;	5
Press this key to call out;	6
Press to pick up phone when there is an incoming call;	6
Power Off: Long press to power off under standby mode;	6
Power On: Long press to power on if the phone is power off;	6
Getting started	6
First call	6

Installing SIM cards.....	7
Installing memory card	7
Battery and charging.....	7
Switching on/off	9
Using hands free kit.....	9
Keypad lock.....	9
Language and input methods	9
Calling.....	10
Making Calls.....	10
Receiving Calls.....	10
Rejecting Calls.....	11
Emergency call	11
Application menu.....	11
5.1 Settings	11
5.2 History	12
5.3 Messaging.....	12
5.4 Organizer	12
5.5 Camera.....	13
5.6 People	13
5.7 Browser.....	14
5.8 Multimedia.....	14
5.9 SOS.....	14
5.10 File Manager.....	15

Safety precautions



Please read and follow these concise rules carefully to prevent danger or breaking laws.



Driving safety

Do not use mobile phone when driving. Use the hands-free accessories if you have to use the phone. Put the mobile phone in the holder, instead of the passenger seat or any place that the phone will fall off.



Power off in aircraft

The interference of mobile phone will affect the flight safety and it is illegal to use mobile phone in aircraft. Please switch off you mobile phone before boarding.



Power off in the operation area of explosion

Please follow the regulations or rules and switch off your mobile phone in or near operation area of explosion.



Power off near dangerous articles

Please turn off your mobile phone at gas station or places near fuels and chemicals.



In hospitals

Please follow the regulations or rules of hospitals when you use mobile phone there. Switch the device off near medical equipment. Any wireless device, including mobile phone, will interfere with the medical devices which are not fully protected. Other electronic devices also may be affected. If you have any question, please consult your doctor or the manufacturer.



Interference

Any mobile phone might be interfered with and its performance will be affected thereby.



Professional service

Only qualified maintenance personnel can install or maintain this mobile phone. It may cause serious danger and also violates warranty clauses if you install or maintain the mobile phone by yourself.



Accessories and battery

Use manufacturer approved accessories and batteries only.



Rational application

Use the mobile phone in normal way. Do not put your mobile phone in the environment with too high temperature (higher than 60°C), for example, put it under the window which is irradiated by sunshine directly. Please use wet or antistatic cloth to clean your phone. Do not use the cloth with static to wipe the phone.



Emergency call

Make sure that the mobile phone is switched on and in service area, enter the emergency number (e.g. 110) and press the Call key to call the number. Report your position and explain your condition briefly. Do not end the call




without permission.












Note: Like other mobile phones, the characteristics of this phone may be not supported because of the network coverage or wireless signals transmission. Certain networks even don't support emergency call. Therefore, do not depend on mobile phone only for very important communication (e.g. medical emergency). Please consult your local network operator.

About the phone

Status icons

◆ Icons might be displayed on screen.

图标	说明
	Time display
	Alarm
	Battery

	Signal
	Wifi
	Bluetooth
	Music
	Message
	Downloading
	Downloaded
	Call
	Missed call
	USB
	Limited access

Keys functions

Keys	Functions
Left soft key	Press this key to confirm the function you choose; Press this key to answer a call.
Right soft key	Press this key to go back to previous menu; Press this key to reject a call. In the menu such as SMS, this button can open the settings of the current menu.

Call key	Press this key to call out; Press to pick up phone when there is an incoming call; Press to enter call logs under standby mode.
End key	Power Off: Long press to power off under standby mode; Power On: Long press to power on if the phone is power off; Press this key to go back to standby screen.
Navigation keys	Press them to scroll the options when browsing a function list
OK key	Press OK to confirm.
WhatsApp button	Click to enter the whatapps login screen
Facebook button	Click to enter the facebook login interface
C button	Click this button to return to the previous menu. In the input interface such as SMS, it can be used for deletion. Press and hold this button to turn the mouse on/off.
SOS button	Long press the SOS button to activate the SOS dialing function

Getting started

First call

- 1> Insert the SIM cards (switch off the phone at first). For detailed installation guide, please refer to “Installing the SIM card”.
- 2> Charge the battery. Refer to “Battery and charging”.
- 3> Press and hold the Power key to switch on the mobile phone.
- 4> Enter area code and telephone number in the dial interface and then press the call key to dial out by SIM1 or SIM2 .

Note: Before using the mobile phone, please insert valid SIM cards and charge the battery.

Installing SIM cards

When you register mobile phone, you can apply for two different telephone numbers and two SIM cards (Subscriber Identity Module). With the two cards, you can use the functions of the mobile phone. The SIM card saves the parameters required by the communication, and personal information, including PIN code (personal identity number), contacts, short messages and other system services.

Warning: Do not bend or scratch the SIM card, or contact static, dust or water; if the SIM card is lost, please contact your network operator. Please switch off the mobile phone before installing the SIM card. The SIM card is inserted into the rear side of the mobile phone.

Note: The SD card is tiny. Please keep it away from children to avoid swallowed. If the SIM card is invalid or damaged, the phone displays “Insert SIM card”. Switch off the phone and take out the SIM card, and then re-insert it into the slot properly. If the SIM card is damaged, please contact your network operator. If the SIM card is locked, please contact your network operator.

Installing memory card

Since the mobile phone doesn't have enough space, you may need to install a memory card (SD card).

To install the SD card: open the rear cover, take out the battery, insert the SD card into the slot, install the battery and then turn on the mobile phone.

To remove the SD card: open the buckle and take out the SD card, and then lock the buckle.

Note: SD card is tiny. Please keep it away from children. Please select qualified SD cards, such as SANDISK, V-DATA, and Transcend. Please match with the mobile phone when you purchase the card.

Battery and charging

Installing the battery

Only use qualified battery and accessories. When the battery isn't used, put it in the protective case.

Note: Please operate according to the instructions to avoid damaging the battery contact.

Charging the battery

The new battery will reach its optimized performance after complete charging and discharging for several times. Please charge in time when the battery voltage is low. Over discharging will damage the battery. Disconnect the charger from the AC power supply and the mobile phone after charging. While charging, the battery status icon flashes from right to left, and stops flashing after charging. It is normal that the battery becomes warm in the charging process.

Battery status

Your mobile phone can monitor and display the battery status.

- 1> You can check the battery status from the icon in the upper right corner of the screen.
- 2> If the electricity is insufficient, the “Low Battery” prompt shows up. The mobile phone sends warning tone if the “System alert” in Profiles is activated.
- 3> During charging, the icon of battery status blinks until the charging completes.

Note: The actual standby time and call time depend on the operation, local network, and settings of the SIM card and mobile phone.

Using battery

The performance of the battery is affected by various factors, including wireless network settings, signal intensity, environment temperature, the function or settings that you select, accessories and the mode of voice, data or other applications that you select.

To keep the battery in optimum performance, please follow the rules below:

- ◆ The charging of new battery or batteries which haven't been used for long time may be longer;
- ◆ Keep the battery in room temperature when it is being charged;
- ◆ It is normal that the charging time becomes longer after long time using. If the call time becomes shorter and charging time becomes longer after normal charging, you need to change a qualified battery. Unqualified battery may damage your phone and cause danger.
- ◆ If the battery is left unused for too long time or the battery voltage is too low, it takes certain period of time to display the charging interface normally when the charger is connected.

Note: To protect your safety and the environment, do not dispose the battery randomly.

Warning: The short circuit of battery may cause explosion, fire or body hurt.

▲ Precautions of using battery

- 1> Switch off the phone before removing the battery.
- 2> Use the battery carefully. It will cause short circuit to connect the anode (+) and cathode (-) of the battery with metal objects (coin, clip, etc.), and damage the battery and metal objects. When the battery is removed and put in the bag, do not contact the anode and cathode of the battery with metal objects (e.g. keys).
- 3> Do not put the battery in fire, or use in any place with high temperature.
- 4> Do not disassemble or refit the battery.
- 5> Do not put the battery in the place with strong mechanical impact or break through with hard object.
- 6> Store the battery in cool and dry place, and avoid high temperature (> 60°C) and direct sunlight.
- 7> Stop using if there is any particular smell or overheating.
- 8> Stop using the battery if there is any crack, distortion or electrolyte leakage.
- 9> If the electrolyte stains the skin or clothes, please wash with soap and clean water immediately; the electrolyte enters the eyes, wash with clean water immediately and go to see the doctor.
- 10> Do not use the battery in low temperature, in which the battery can't get the maximum standby/call time.
- 11> Do not wash the battery with water or organic solvent, or put it in water.
- 12> Fully charge the battery if it won't be used for a long time.
- 13> You are recommended to return wasted batteries to the manufacturer of mobile phone or put them in the specified public recovery area of wasted batteries. Do not put them together with other garbage or dispose casually.

▲ Using 2-in-1 charger (charger + data cable)

The 2-in-1 charger may charge the battery through the mobile phone.

- 1> Connect the data cable and charger
- 2> Connect the data cable of the 2-in-1 charger to the I/O slot of the mobile phone.
- 3> Connect the charger plug of the 2-in-1 charger to the appropriate power outlet.
- 4> During charging, the icon of battery status blinks until the charging completes.
- 5> After charging, the battery icon stops flashing, and you can pull out the 2-in-1 charger.

Note: If the battery voltage is too low and can't turn on the mobile phone, the charging icon may appear on the screen after several minutes. The mobile phone may be turned on or off during charging.

Warning: Make sure that the local voltage and power match the rated voltage and power of the 2-in-1 charger.

Switching on/off

- 1> Press and hold the Power key to switch on the mobile phone. The screen shows the power on video.
- 2> Access to main screen interface.
- 3> Press and hold the Power key to select switching off the mobile phone.

Using hands free kit

With the hands free kit, you can make or answer calls without holding the mobile phone. When you insert the hands free kit into the earphone port, the hands free kit can be used as the handset and the microphone of the mobile phone.

Keypad lock

When the keypad is locked, the mobile phone will be locked automatically if there is no operation in certain period of time. To unlock: Press the Power key

Note: When the keypad is locked, it will be invalid. If there is new call, you can answer as usual, and the mobile phone will resume the locked status after the call

Language and input methods

The mobile phone provides many languages such as English, Vietnamese and Chinese. And the phone provides Android keyboard input methods.

Calling

Making Calls

Call

- ◆ Enter area code and phone number and press call key to dial out by SIM1/SIM2.
- ◆ Use the clear key to delete if there is wrong input. Long press clear key to clear all characters.

Note: Obstacles give lots of effects on calling quality; moving around in a small range will improve signal strength effectively.

Making an International Call

Press * key for twice and sign “+” will come out. Then enter country code, area code and phone number (without a zero in front of mobile phone number) in the dial interface. Then press call key to dial out.

Dialing extension

Some extension numbers of fixed line couldn't be dialed directly. You need to dial telephone exchange first and then dial the extension number. Type in a P symbol between telephone exchange number and extension number, this phone will dial the extension number automatically. Follow below method to make a symbol P: short press * key for three times. Then it will display a P symbol on screen.

Making a call from the phonebook

Open the phonebook list, scroll to search the desired number, press call key to dial out by SIM1/SIM2.

Latest numbers redial

Enter call logs and press the up/down key to reach (or click) the desired number or name and press call key to dial out by SIM1/SIM2.

Receiving Calls

To receive an incoming call, you can slide the slider to choose “answer”. To increase or decrease the volume in the process of calling, press the up or down side key, during a call to choose mute, small keyboard, H-free , add Calls, Hold, contacts need to press the main button, and then click the icon to enter.

Rejecting Calls

To reject an incoming call, you can slide the slider to choose “reject”.

Emergency call

You can always make emergency call when you are in the coverage area of the network (you can know by checking the indicating stripe of network signal intensity on the upper left corner of the screen). If your network operator doesn't provide roaming service in your area, the characters of “EMERGENCY CALLS ONLY” will appear on the screen and you could only make emergency call. If you are located in a service area of the network, emergency calls can also be made without a SIM card.

Application menu

5.1 Settings

Enter settings and operate them as following:

Wireless & networks

- SIM management: Check SIM information, default SIM and general settings
- Wi-Fi: Slide to open/close Wi-Fi. Wi-Fi settings determine whether the phone use a local Wi-Fi network to connect to the Internet. Wi-Fi uses wireless LAN, so network coverage locations can be connected. In some locations, Wi-Fi networks may receive restrictions, please consult the local authorities.
- Bluetooth: Slide to open/close Bluetooth. You can change the device name. Only when the Bluetooth device make discoverable, the device can be searched by others. Clicking the scan can search for Bluetooth devices within range, and the phone can match the searched Bluetooth devices
- More: You can set airplane mode, VPN, tethering & portable hotspot, mobile networks, USB Internet in this menu.
- **Device**
 - Audio profiles: Set up situational mode and cell phone ringtone
 - Display: Set brightness, auto-rotate screen, animation and screen timeout.
 - Storage: You can check SD card storage and system storage.
 - Battery : You can check battery usage.

➤ Apps: You can manage downloaded/all/ Phone storage/running applications

- **Personal**

- Location: Turn location information on/off.
- Security: Set screen unlock settings, SIM card lock, passwords, device administration and credential storage.
- Language & input: Set language settings, keypad & input methods, speech and mouse/ trackpad.
- Backup & reset: Set backup and restore and check personal data..

- **System**

- Date & time: Set date and time and format or choose automatic update with network.
- Schedule power on & off: Set schedule power on/off time.
- About phone: Check phone information like model number, android version.

5.2 History

You can view all the call records in the phone, you can also dial the call directly in the call log by dialing the button.

5.3 Messaging

In the message interface, click the write button "Type text message" to write a new message.

In the edit interface, press the attachment button to select the add theme.

This message is automatically converted to MMS after the attachment is added.

If you want to read the received message, select it.

In the message display interface, the long press will pop up the function selection menu, you can directly call the contact person's phone, or save the contact number to the phone book.

If you want to reply to a message, you can choose to reply.

Enter the editor status to edit messages and send messages directly.

5.4 Organizer

- **DeskClock**

The time format of alarm clock is same to the clock. When the mobile phone is turned off, the alarm clock is still valid only if the battery voltage isn't low. The mobile phone allows add several alarm clocks and the default option is off. You can customize the alarm time and date for every alarm clock separately. When the alarm time arrives, the mobile phone rings and displays current time and date on the screen. Press "Stop" to stop the alarm; press "Snooze", the alarm stops and rings again as your setting minutes. If the mobile phone

is still power off till the alarm time, the phone switches on and alarms automatically. If you press “Stop”, the phone asks you whether switch on the mobile phone. Press “No” to switch off, or press “Yes” to switch on.

- **Calculator**

You could select the number and symbol in the screen as request. Press number keys 0-9 to enter the figures you need to calculate and press the “.” key to enter radix point. You can also enter operators such as +, -, ×, ÷; Press “=” to get results.

Note: This calculator is only for some simple calculate.

- **Calendar**

You could check detailed date information here. You can check previous or future dates too. You can add and view calendar of past and future task.

- **Whatsapp**

Click to enter the whatsapp login screen

- **Facebook**

Click to enter the Facebook login screen

5.5 Camera

Using the display as a viewfinder, compose your picture by aiming the lens at the subject. Touch the screen to focus on the area you touched. Press the Volume Key to zoom in or out. To take the picture, touch the Camera button. Touch right lower button to switch camcorder, multi angle view, panorama and auto scene detection. After taking a picture, touch Image Viewer to view the picture. While viewing the picture, use these options:

5.6 People

Click on the contact you have selected to find the phone number you need, call or text you.

You can click "M1" to add a new contact to your phone or SIM card;

You can quickly find the contact by entering the first letter of the contact you are looking for in the contact interface.

Click on the "M2" button and you can see that there are searches, delete contacts, contact displays, import/export, accounts, settings and shared visible contacts.

5.7 Browser

The phone supports wireless local area network (WIFI), WAP services and SIM card networks. Before using the web service, you should ensure that you successfully apply for a SIM card network, You can search the web for what you need.

5.8 Multimedia

● **Music**

Music player automatically scans the music SD card can support.

- Artists: Music files in SD card, arranged by the performers, such as click "Eason" into songs this singer sang, click on the selected songs can be played.
- Album: Music files in SD card, arranged according to album, put the music files on the same album together, click on an album, you can list all the songs on the album, click on the selected songs can be played.
- Songs: Music files in SD card, arranged by song name, click on song name to play.
- Play lists: You can add a play list; add the specified music files to the new play list.

● **FM Radio**

In this mode, you can perform the following operations:

- Channel list: Edit the channel name and frequency in the list.
- Search: Scan channels automatically.

● **Videos**

Here you can watch videos recorded on your mobile phone or Leica.

● **Gallery**

Gallery contains many picture folders and video folders. You can manage the following operations:

5.9 SOS

You can set some information about SOS here, such as sending SOS SMS and number, you can set up to 5 SOS numbers, there is an SOS button on the back of the phone, long press the SOS button to open the SOS function, SOS will cycle 5 rounds of dialing. It will end after 5 rounds

5.10 File Manager

File manager can manage MP3, video, audio, e-books folder and so on.

Videos - video folder

Photos - Photos folder

Picture - Pictures folder

My Music - Music folder

Ebook - E-book folder

Note: To prevent any inconvenience to you, please do not arbitrarily delete the folder and the java and other resources. To facilitate the use of some of your folders are hidden folders.

FCC Statement

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance 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.

SAR Information Statement

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. 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 and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted 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. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power

output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 0.794W/Kg and when worn on the body, as described in this user guide, is 1.025W/Kg(Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). The maximum scaled SAR in hotspot mode is 1.327W/Kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RFexposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on

FCC ID: [2AVV9-T-20](#) Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. * In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 15mm 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.