Thank you for purchasing TCL mobile phone. Please go through this manual carefully to make the best use of your handset.

Note: TCL reserves the right to change or improve the product's design, specifications, and other descriptions at this manual without prior notice. TCL also reserves the final explanation right for this manual.

1 Safety and precautions

- Please do not touch the antenna of the handset when calling, so as not to affect the sound quality of the call.

- Switch off the phone in the vicinity of chemical plants, gas stations and other explosives.

- Keep the phone clear from children.

- Please use the hands-free device (optional) when driving to ensure safety; unless in contingent situations, pull over the vehicle first and use the handset.

- Switch off the phone when boarding on plane and don't switch on the phone at the flight.

- Be careful when using the mobile phone in the vicinity of devices, such as pacemakers, hearing aids and electro-medical equipment, which may be influenced by the mobile phone.

- No guarantee for the accessories and fitments not produced by the original factory.

- Never attempt to disassemble the phone by unauthorized persons. Contact the authorized supplier at your region when you meet the trouble with your mobile phone.

- Don't recharge the handset without installing battery.

- Charge the phone necessarily under the well-ventilated and environment of good heat sinking, and keep away from inflammable and high explosive articles.

- To avoid demagnetization, keep the handset far away from magnetic substances, such as magnetic discs or credit cards.

- Ensure to keep the handset away from liquid. Take the battery off once soak or erosion happen and contact the supplier.

◆ Avoid using the phone under the environments with temperature too high or too low. Never leave the phone exposed under the direct sunlight or in the environments with high humidity or dusty.

◆ Do not use liquids or damping cloth with strong detergents to clean the handset.

〈Note〉: The user manual is the operating instructions based on the operation mode under simple Chinese, while it is somewhat different under English operation mode.

〈Note〉: This device has been shown to comply with Part 24 of the FCC Rules. Modification of this device without the express consent of the manufacturer will invalidate the user's right to operate this device.

<Warning>: The original factory will not take any responsibility in the case of noncompliance with the above advices or improper use of the handset.
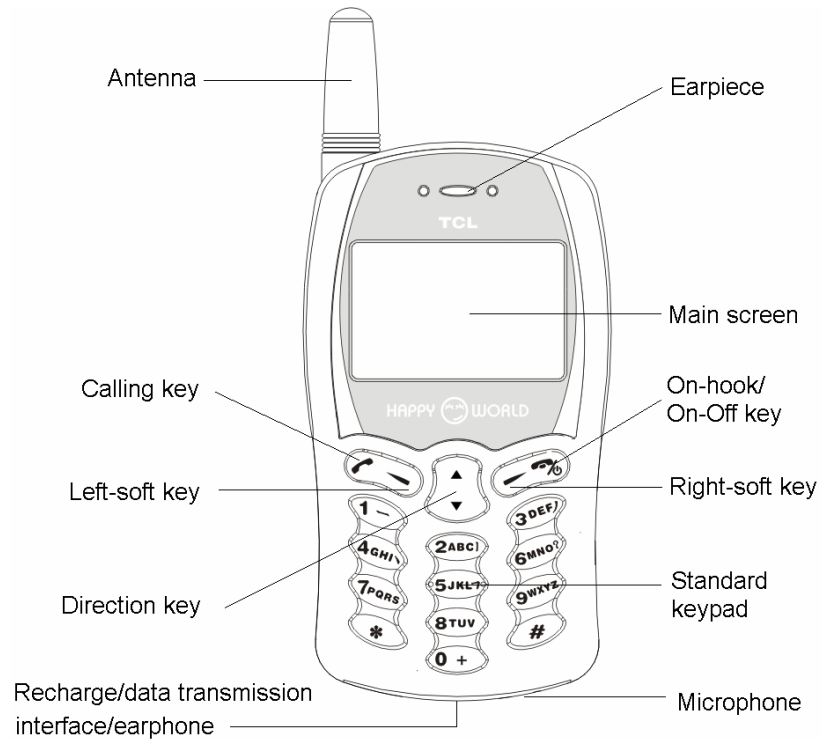
<Attention>: Please send used li-ion batteries to specified locations or return them to our company. Do not dispose of the batteries into wastebins.
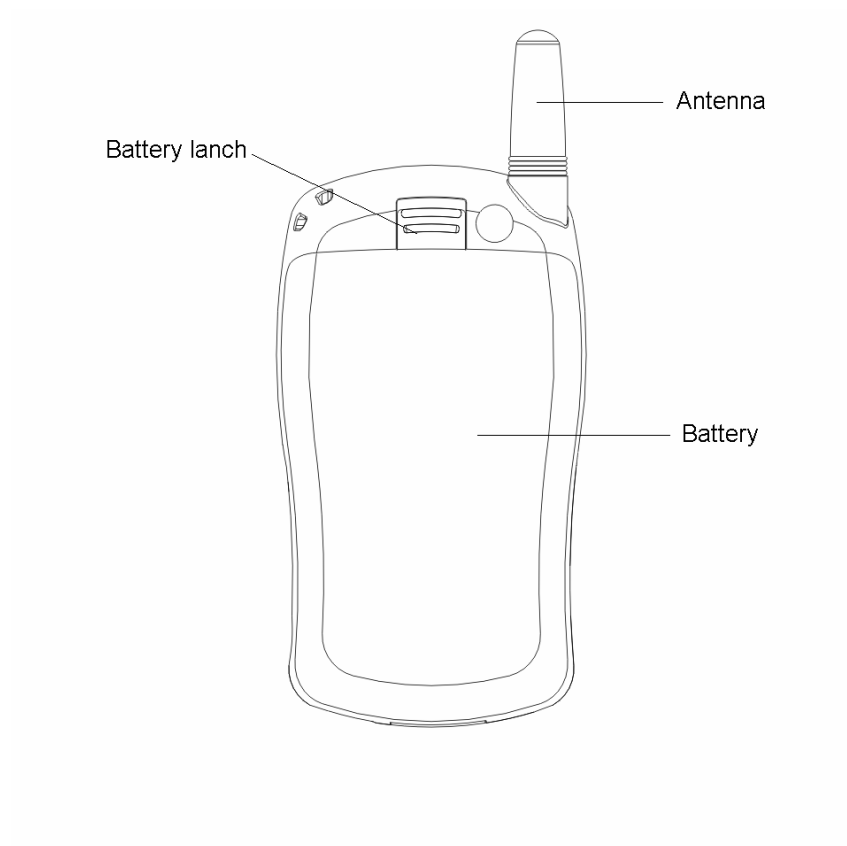
2 Phone Layout

The handset has 18 keys, a display screen, a built-in vibrating motor, a recharge jack,and a earphone jack.

The front schematic layout

The back schematic layout

Antenna

Battery lanch

Battery

3.Specification schedule

Specification	Parameters	Remarks
Size	81.2*44.7*16.4mm	
Dimensions	Approx60cm3	
Display	4 rows	
Weight	Approx 65g	
Type of SIM	3V small card	*
Network system	GSM 900/DCS 1800Dual Band	*
Phone book capacity	The SIM capacity based on the type of SIM card; 200 entries for the handset capacity	*
Vibrating motor/Backlight	Yes	
ERF Hi-Fi sound quality	Yes	*
Auto redial	Yes	*
Call divert/Call barring	Support	*
Call waiting/Conference call	Support	*
Received call display	Yes	*
Call metering/Fixed dialing	Yes	*
Calculator	Yes	
Received call guard	Yes	
Game	Yes	
STK	Yes	
		*
Remarks: The function with "*" means it needs the support of network or SIM card.		

For body worn operation this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF

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exposure guidelines.

4.Getting Started

What is SIM?

When registering your mobile phone number, you will have a SIM（Subscriber Identity Module） card provided by the network supplier.

With the SIM card, storing many parameters required for communications, you can use the various functions of the handset, and save personal information, including PIN (Personal Identification Number), phonebook, short message and other extra system services.Use the SIM card carefully, do not distort or press hard to the card. In case of missing, ask the network supplier for solution.

   Note: Do not leave your SIM card within the reach of small children**.**

PIN code

This is the personal identification code for your SIM card. If your phone applies PIN code protection function，the screen will indicate "Enter PIN1 code" when you switch on your phone.

You can acquire the PIN 1 code while obtaining the SIM card from your network supplier. Usually the PIN 1 code is 4 digits.During entry of the PIN 1 code, the screen will display * to substitute the input content.

PIN 2 code

It is a personal identification code required when using specific functions e.g. charging information, etc. submitted by the network.

<Warning>: If the wrong PIN code is entered for three times consecutively, the SIM card will be blocked. Please contact your network supplier immediately for decoding. Trying to decode by yourself may possibly result in the SIM card permanent failure

Charging the battery

■   The handset is powered by a rechargeable battery. A new battery must be fully charged before the first time use. A new battery will reach its nominal capacity

after fully charged and discharged for a few times.

■ In order to use the battery in optimum mode, we recommend you discharge the battery fully once each month by using up the power as to switch off the handset.

■ In course of charging, it is normal to find the battery warm up slightly. The handset can automatically self-protect so as to suit for the temperature.

■ If the warning tone of low battery opened, the handset will give off a warning tone and display "Low battery" on the screen as the battery close to used up. When the power has run out the handset will switch off automatically.

■ Be sure to switch off the handset before unloading the battery, otherwise, the lifespan of the handset will be affected and the data saved inside be lost possibly.

Type of battery	Standby time	Talking time
Li-ion battery	50-150 hours	150-250 minutes

Note: Actual time of usage for the battery varies according to the operation mode and the network base station.

Procedure for battery charging

■ Connect the charger to a main socket, and insert the charging plug into the bottom jack of the handset in the right direction. There is a direction sign on one side of the plug, the side facing upward is the right direction.

■ The handset will start charging after well connected. The symbol of the battery indicator will increase gradually from right to left, which means in charging. The handset can be charged under both on and off status.

■ When fully charged, the course of charging stops automatically, and the battery icon indicates full grid on the screenThen unplug the handset from the cable by pressing the buttons on the both sides of the plug to remove the plug.

Note:

- **To ensure safety usage, neither change the parts and fitments of the battery by yourself nor unwrap the battery.**
- **We suggest you use only the battery and the charger supplied with your phone by TCL, so as not to do the damage to your handset.**

# 5. Brief introduction

Communication control keys

The calling key is used to make a call (if a number entered or under the status of phonebook), and also to answer an incoming call. In standby mode, press the key to display the latest call records (all answered, missed and dialed calls, max.30 numbers). Pressing twice in series can dial out a record selected.

The on-hook keyis used to end a call (in calling and conversation status)，or to quit the menu to return the standby mode. Holding down the key for 2 seconds or so can turn on or off the handset.

Direction keys and soft keys

In standby mode, press the Up/Down direction key to access the main menu or browse menu items, and press the left-soft key to access the phonebook directly.In menu operation,the functions of the both soft keys are displayed on the bottom line of the main screen, which related closely to the current state of the mobile phone.。

Numeric keys

Keys from $\boxed{0+}$ to $\boxed{9^{wxyz}}$, $\boxed{*}$,and $\boxed{\#}$ are used to dial numbers and enter passwords, English letters, symbols, Chinese characters（by Stroke or Pinyin entry method）,etc.

They can also be used to select menus.

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For international call, hold down ⟨0 +⟩ key in standby mode to enter symbols of "+".

By holding down ⟨1 -⟩ to ⟨9 wxyz⟩ keys for 2 seconds or over, you can quickly dial out the phone number correspondingly to the shortcut key. (You can define these shortcut keys in the directory editing process)

Displaying pattern of the main screen

There are 8 icons in total on the first line of the screen:

Ψ   Antenna.

ιΙΙΙ   Strength of signal.

0⊓   Keypad lock（This line added）

☒   Alarm clock is enabled.

☎   Voice mailbox（This line added）Icon flashing means message storage is full.

▦   Battery indicator

During the handset's operational process, there are some symbols occurring to help you operate and use the phone, which are:

♤   Ring

⌁   Ring after vibrate.

⊞   Vibrate.

⋉   Mute mode.

ᆱ   To access the phonebook function

✉ There are unread messages or cell broadcasts.

Languages and the Entry methods

The handset provides Chinese and English entry methods. Please refer to the related paragraphs regarding Chinese and English entry methods for specific operations,you can understand in detail the way for different entry methods and conversions between

them.

Receiving prompt modes

With a built-in vibrating motor and a buzzer, the handset can offer the following prompt modes for receiving calls:

    Ring

    Vibrate.

    Ring after vibrate.

    Mute mode.

STK function

The handset supports STK (i.e. SIM ToolKits) function, with the specific menu items co-determined by the SIM card and the network.The function is available when the STK service is provided by the network and your SIM card supports the STK function, and the STK menu will add automatically to the end of the handset's main menu accordingly.

Term description

Domestic call

Please enter an area code and a phone number to be dialed out.

International call

Hold down 0+ key until occurring "+", and enter the country code, the area code and the phone number.

Emergency call

You can enter emergency call 112 for help whether or not there is a SIM card （Subscriber Identification Card)in the phone.

IMEI(International Mobile Equipment Identify)

Switch off the handset and unload the battery, you can see the bar code label with this

code at the back of the handset. The code stored in the handset can be displayed by entering "*# 06 #" in standby mode after the handset is on. No matter which brand of cellular phone worldwide must be printed with this identification code, and the IMEI code for each handset is globally unique without repetition with another.

Enhanced Full Rate Coding （EFR ）

The handset has the " Enhanced full rate coding" function, which needs no presetting, the handset can detect the network system automatically. If this service is provided by your network, the handset can automatically actuate the function to supply you sound quality with high fidelity.

6.Basic operation

Switching on

Holding down the on-hook keycan switch your handset on （or off） .It will automatically search the network if no cryptoguard for the SIM card and the handset.After the handset has been registered in the network, the network's name displays on the screen. And now you can dial out or answer a call.

Your handset remains in the searching status if not finding the network system available.

If the screen displays " Please insert SIM card" after it is on, please switch the phone off by pressing the on-hook key, and check whether your SIM card is properly installed or not yet installed.

If a password or PIN code for the handset is required to enter after it is on, please enter the correct password, and * will be displayed on the screen as the content during the entry. Then press the left-soft key for confirmation. After unlocked, the handset will indicate the name of the registered network and the signal intensity.

Please contact your network supplier if you have not yet known the PIN code.

The handset default password is 1234.

<u>**Switching off**</u>

To turn off the handset, please hold down the on-hook key, the handset is off after the log-off animation is displayed on the screen. Do not attempt to switch off the phone by directly taking out the battery, which may possibly result in memory loss of the SIM card.

<u>**Making a call**</u>

For international call, use "+" to substitute " 00 ", enter a whole numbers, and push the calling key to dial out a call.

The right-soft key is used to delete the last digital of a number, holding it down clears all the entry.After a call established, a connecting prompt tone will be heard from the headpiece.Call meter or call charge will be displayed on the screen (if preset beforehand) after connecting.If a call not established, the likely reasons would be:

◆ "Line busy" means the recipient is busy or the network has no spare line. If the auto- redial function preset, now the handset will redial automatically.

◆ "Refused" means the call is forbidden, the call barring function preset, for example.

If the number dialed has been stored before, then the name corresponding to the number will show on the screen.

Press the on-hook key or the right-soft key to end a call.

<u>**Answer a call**</u>

When an incoming call available, it will be prompted in the way of ringing, vibrating or backlight, according to the handset's settings.

◆To answer a call, press the calling key

◆ Press the on-hook key to reject answering a call.

If you apply for the service of incoming call number identification, the phone number

of the incoming call will display on the screen. And if the number has already been saved in the phonebook, the name will also be displayed on the screen

The way to end a call is similar to the above one.

Dial with shortcut key

The handset provides 9 shortcut keys. You can customize the phone numbers corresponding to the keys (see **_Phonebook_** for detail information)。 In this case, you can make a quick call as long as holding down ⌐1 -⌐ to ⌐9 wxyz⌐ key in standby mode.

Note: For speed dialing, you have to push down key （1-9） for over 2 seconds. If the shortcut key pressed is not defined in phonebook, then you can not dial out.

View last numbers

The handset can save 30 latest communicating numbers. Pushing down the calling key in standby mode can display the latest numbers.You can press the calling key to directly dial out the number by selecting the number required with the direction keys.

Send DTMF tone

When DTMF tone function has been set, the numeric key you entered from the keypad and ⌐*⌐ and ⌐#⌐ key will be transmitted to the recipient as DTMF tone in a communication. If you do not apply such a function, you can not dial an extension.

Microphone silence function

There is a prompt in the lower right corner of the screen during the communication, pushing the right-soft key to close the microphone, now the screen appears "Call mute".In this situation, the recipient cannot hear you, but you can still hear him (the earpiece is still on), re-press the right-soft key to enable the microphone, press the on-hook key to hang up

<u>Call holding</u>

If you have subscribed to the value-added service of call holding, the following function menu will occur by pressing the left-soft key during a communication.

◆ Volume: To adjust sound volume (This line added)

◆ Hold: To hold an ongoing call, then make another call.

◆ Hang up: To end the current call.

◆ Mute: To shut down the microphone

◆ On/Off DTMF: To preset whether to dial an extension or not

◆ Main menu: To access phonebook and message function index

◆ Conference call: To access conference call from here

If now making another call, the last call will be put on hold and the current call activated. Pressing the UP/Down direction key can switch between the two calls. If the current call is on hold, another function menu can occur by pressing the left-soft key during the call:

◆ Volume: To adjust sound volume

◆ Switch: To put an ongoing call on hold, and activate the call on hold

◆ Hang up: To end the current call.

◆ Mute: To shut down the microphone

◆ On /Off DTMF: To preset whether to dial an extension or not

◆ Main menu: To access phone book and message function index

◆ Conference call: To access conference call from here

Pressing the end key can hang up all calls.

<u>Read a short message quickly</u>

When receiving a new message, the screen displays a list, and you can access the list to read the message.

Missed calls

When you receive an incoming call without answering, the main screen will display a list, you can access the list to view the unanswered call

Cell broadcast

When receiving a cell broadcast, the screen will display a list, and the user can access the list to read the cell broadcast.

Connect to voice mailbox

The handset allows you to forward the incoming call to a voice mailbox, then you will receive information regarding a voice message available. (The number of the voice mailbox center must be preset.)**7. Use the Menu**

7.1 Message function

Short message function is a network service. To transmit and receive short messages, maybe you are required to subscribe to the service from your network supplier in advance.

The handset supports the short message function. A message is sent to the short message center of the network, then to the targeted user (a GSM user) by the network. If the targeted user does not log on or fails to receive the message (full memory), the network will temporally store the message for a period which is codetermined by the settings of the sending user and the service supplier.

The mobile phone supports not only the normal short message service, but the enhanced short message service (EMS), by which the messages with attachments e.g. inserted pictures, ringing, and animations, etc. can be transmitted and received.

If the memory of shot message is not full, a message will be saved directly in the SIM card.

While a flashing icon ⊠ will occur on the top row of the main screen if the memory is full.

When viewing or editing a message, press the direction key to scroll the message pages, hold down the direction key to move the cursor on a character basis.

【Inbox】: You can view the received messages in Inbox.

- ◆ Edit: To access short message edit box
- ◆ Delete: To delete the current messages
- ◆ Forward: To forward the message to another person directly
- ◆ File: To save the received message in the Favorite of your handset.
- ◆ Text reply: To reply to the received message in text
- ◆ Voice reply: To reply to the received message in voice

【Outbox】: You can read the messages stored here.

【Write messages】: You can create a message in this menu.

- ◆ Complete: To handle the well-edited message.
- ◆ Send: To transmit an edited message.You can input the phone number directly, or press the direction key to access the phonebook list to select the number.
- ◆ Save: To save the edited message in the SIM card.
- ◆ File: To save the edited message in the Favorite of your handset.

【Favorite】 Used to store user's messages saved in the handset.

Under the root directory, press the calling key to open the directory and access the subfolder list, you can create, save, delete, edit, rename, etc. a file or a folder as required.After accessing the Favorite, by pressing the left-soft key, 4 menus appear:

- ◆ Attribute: To provide type of files, total space, residual space, etc.
- ◆ Delete: To delete the selected files or folders.
- ◆ Rename: Rename a selected file or folder.
- ◆ New folder: To create a new folder under the current directory.

Under the root directory, press the calling key to open the directory and access the subfolder or listed files, you can create, save, delete, edit, rename, etc. a file or a folder as required.

【Message settings】:In this menu, you can preset some parameters of message function.

◆ Message center: To sent a message, you must enter the number of the local short message center in advance, which is provided by the network supplier.

◆ Message lifetime: The valid retention time of a message

◆ Message format: You can select the format of message

【Voice mail】

◆ Get V-mail: To call the voice mailbox to listen to a message left.To call a voice mailbox, you have to preset the number of the voice mailbox center in advance. The number is provided by the network supplier.

◆ Voicemail settings: The setting of the voicemail.

【Info message】: Info message is the information services to all GSM users in a specific locale sent by the network supplier, such as weather forecast, transportation conditions, etc.

◆ Read: To read a cell broadcast in this menu.

◆ Setup : To preset cell broadcast

Language selection: To select a language for cell broadcast display

Preset band: To preset the band of cell broadcast

7.2 Recent calls

With this menu you can understand the latest call situations.

【**All calls**】: To display the call time and durations of the answered and dialed calls, while indicating the incoming time and dates of missed calls.

【**Missed calls**】: To display all receiving time and dates of missed calls.。

Press the calling key to dial out the phone number directly.

【**Received call**】: To display all call time and call durations of the received calls.

【**Dialed calls**】: To display all the phone numbers, call time and call durations of the dialed calls.

【**Call info**】: To display some call information

◆ Call costs

Last call: With this function you can enquire the fee of the last call;

All calls: With this function you can enquire the fee of all calls;

Reset: With this function you can clear the call charging records;

Unit charging: With this function you can enquire and preset the unit of call charges;

Max. charge: With this function you can enquire the top call charge and setup the max. charge.

◆ Call timers

Last call: With this function you can enquire call time of the last call;

All calls: With this function you can enquire call time of the all calls;

Reset: With this function you can clear the call time records;

◆ Clear logs: To delete all the call records;

Note: Call timing/charging is a network function which needs the support of the network supplier.

7.3 Phonebook

The handset provides two kinds of memory: in the SIM card and in the handset.The

storage of the SIM card depends on the type of the SIM card.

Enter a train of numbers in the standby mode and press the left-soft key to save. The interface for name input occurs after the type chosen by the user for the number. If entering nothing, you can press directly the left-soft key to access phonebook list. Select "Complete" and access the phonebook list directly.Now there are merely 2 options in the function menu of phonebook list: Search by name and Edit. After the user finds the corresponding name record, choose Edit, then the new added number will be inserted in the selected name record. If the name record has already contained 3 phone numbers, the prompt "Full record" will occur after the user chooses Edit, and then return phonebook list.

In standby mode，pressing the left-soft key can directly access phonebook, and the handset displays a number list. After a call record selected，hold down the left-soft key, the top number against the record will be dialed out.

In name list, for English records，by pressing the numeric key corresponding to the initial character of the record, you can index the records quickly. For Chinese records，

by pressing the numerical key corresponding to the initial Pinyin letter for the first character of the name, you can index the records quickly.

【View】:

- ◆ View detailed: To view the detailed information of the record The detailed information includes number information, email address and QQ number information. The icon on the left of the first row displays the memory of the record, while on the right displays the storage location of record and the total records in the corresponding memory.

- ◆ Search by name: To search the record matching the name by entering a name

- ◆ Edit: The function is to edit the options contained in a number record.

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- ◆ Delete: To delete the selected options
- ◆ Add new name: To add a new record in phonebook

【Add new name】To add a new record in the phonebook, in which neither the name nor the number can be omitted, otherwise the record can not be saved.

【Settings】

- ■ Saving to: The storage location or mode of the record when presetting Add entry

【Used space】:To view the present service condition of the phonebook, including memory information of phonebook for both the SIM card and the handsetThe indicating formats are " Used space/ Total usable space".

【Speed dial list】: With this function you can view the records saved in the speed dialing list.

7.4 Clock

【Alarm】: A series of settings for handset alarming

- ◆ Set alarm: To preset the alarm.
- ◆ Set auto on/off: To set the handset to switch on or off automatically.
- ◆ List alarms: Used to view all the preset alarms.
- ◆ Clear all: Used to clear all the preset alarm records.

【Set date】: To preset the current date for clock.

【Set time】: To preset the current time of the clock.

【Set zone】: To preset your current time zone. After successfully preset, the clock of the handset will change accordingly for your convenient journey.

【Clock setting】: To set up the display formats for time and data.

Warning：

1. **Please be sure to confirm whether the auto-on function of the handset is shut down before approaching a special area (in a flight, for example), where use of a handset is prohibited, in case an improper accident occurs.**

2. **Due to no button cell for this type, after removing the battery, the settings of data and time of the handset may change somewhat. Please re-preset after switching the handset on.**

7.5 Audio profiles

【Set profile】: You can preset different profile mode per you requirement.

Usually the following modes are provided for the handset ex works:

- ◆ <u>Normal </u>: The setup mode allows you to preset various functions per your penchant.

- ◆ <u>Meeting </u>: vibrate only for alerting, no ring

- ◆ <u>Outdoor</u>: Ring after vibrate.

- ◆ <u>Car</u>: Ring only for alerting

- ◆ <u>Silent</u>: No ring and no vibration

【Edit profile】

To edit User mode:

Normal : The setup mode allows you to preset various functions per your penchant.

- ◆ Ringing volume: To adjust the ringing level or shut the ringing down.

- ◆ Earpiece volume: To preset the sound volume of Earpiece.

- ◆ Vibrator: To actuate or shut down the vibrating mode

- ◆ Keypad tone: To enable or shut down the touch tone.

- ◆ Battery low warn tone: To set the warning tone on or off.
- ◆ DTMF tones is Dual Tone Multi-frequency. When DTMF tone function has been set, the numerical key and ⬚ and ⬚ key entered from the key Pad will be transmitted to the recipient as DTMF tone in a communication. If the function not actuated, the functions such as to dial an extension number cannot be realized. Click the menu to turn on or off DTMF.
- ◆ Message alert: If On is set for the function, the handset will give off alert tone when receiving a message.
- ◆ Any key answer: This function allows you to answer a call by pressing any key (excluded the on-hook key, the right-soft key, etc).

【Ringing tone】: With this menu you can choose the preferred ring tone.

7.6 Settings

【Phone settings】: In this menu, you can preset the options of the handset, i.e. the language, menu style, main screen, keypad lamp, etc.

- ◆ Language select: You have free choice of the language type to be displayed in your handset.
- ◆ Menu style: There are two kinds of different menu styles for your choice.
- ◆ TCL LOGO: On/off the indication of the handset's LOGO.
- ◆ Backlight level: You can adjust the brilliance of the backlight lamp as you like.
- ◆ Screen contrast: You can adjust the white-black contrast of the screen as you like.
- ◆ Keypad light: To turn the keypad lamp on or off.

- ◆ Keyboard Autokey: To preset the auto keypad lock. If set On, the keypad can be locked automatically when no operation for 30 seconds in the standby interface.
- ◆ Own number: To preset the number of your handset, which depends on the SIM card.

【Call settings】:

- ◆ Show call number: You can herein enquire the status of number display (This function needs network's support)
- ◆ Minute minder: This function can preset prompt or not per minute in calling.

When you turn on the function, the handset will give off buzzer warning tones during calling to help you control the call duration. Generally speaking, during a call, the first booming prompt is at the 50th second, the second in a minute, or at 1 minute and 50 seconds, and a booming prompt every other minute, afterwards.

- ◆ Auto redial: The function can set the auto re-dial on or off.

【Network settings】

Divert calls:

Call divert is a network service. You have to subscribe to the service from your network supplier to use the following functions. It can transfer a receiving call which meets condition to another phone number you specified.

The following three steps are needed to actuate it:

1. Select adverting types:

＊Divert all calls;

＊ Divert when busy;

＊ Divert when no answer;

＊ Divert when not found;

＊ Cancel all.

2. Divert status

＊On

＊Off

＊Status

3. Select diverting modes:

＊All services（including voice, data, fax, short messages, etc. ）;

＊Voice calls;

＊Data ;

＊Fax;

＊Messages

＊All except msgs

4. Divert to:

Enter the numbers to which you intend to divert.

◆ Call waiting: The function can set Call waiting on or off. To realize possibly Call holding and Conference call, the function must be activated in advance, however, its actual implementation needs the support of the network.

◆ Select network:

Set preferred network: You can select the preferred network to register by yourself.

Add new network: If no network you required in the priority networks, you can define the required network here. Refer to the local network settings for exact arrangement.

Automatic: The handset will search the alive network automatically after this

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menu being selected.

Manual: You can set the type of network by yourself.

【Security settings】:To access this menu, entering the password of phone lock is needed, which defaulted as" 1234".

◆ SIM password: To turn on or off the SIM card lock.

◆ Handset lock:Phone lock is a password with 4 -12 digits, defaulted as " 1234 " ex works.

On: This menu actuates the phone lock function.

Off: This menu shuts down the phone lock function.

Change code: You can change the defaulted password " 1234 "into a 4-12-digit character for your remembering easily.

If the phone lock setting is On, the handset will show you "Phone locked" when switched on. To unlock, you can enter you phone lock password per the prompt, and confirm by pressing the left-soft key to unlock.

Auto keypad lock: In security settings, you can preset the auto keypad lock. If set On, the keypad can be locked automatically when no operation for 30 seconds in the standby interface.

◆ Handset call barring

Call barring function can restrict the calls which meet some conditions.

Bar incoming: To preset the function to enable or forbid all receiving calls.

Bar outgoing: To preset the function to enable or forbid all or some outgoing calls.

◇ Bar all: With the function to restrict all outgoing calls.

◇ Bar prefixes: With the function to restrict the listed outgoing calls.

In the preset field, the phone numbers stored are the ones you intend to restrict outgoing, which are a few of the top digits beginning from the first one. When successfully preset, the numbers beginning with the bits

of the digits can not be dialed out.

◇ Off: With the function to cancel the restriction of all outgoing calls.

- ◆ Network call restriction:

  To use the following functions, you have to apply for this service from your network supplier.

  The following 3 steps are needed to preset call restriction:

  1 .Select the scope of call restriction:

  - ■ Only local and home calls;
  - ■ Bar foreign calls;
  - ■ Bar outgoing calls;
  - ■ Bar incoming if abroad;
  - ■ Bar incoming calls;
  - ■ Clear all;

  2. Limited service catalogs

  - ■ All services（including voice call ,data, fax, short messages, etc. ）;
  - ■ Voice call;
  - ■ Data:
  - ■ Fax
  - ■ Messages
  - ■ All except msgs

  3. Select on/off function and confirm by pressing the left-soft key to remind you of entering the network password （ provided by the network supplier）

- ◆ Fixed dialing:

  If this function preset(needs to enter PIN 2 code）, you can only outgo calls against the numbers stored in the fixed dialing list, while the regular phonebook will   no

longer be valid.

【Reset factory settings 】: To restore some settings of the handset to the status exworks

7.7 Tools

<u>Calculator</u>

The calculator in the handset can carry out continuous mixing four fundamental rubes with simple, practical and convenient operations.

* key: Used to enter or switch the symbols of operation by pressing the key in succession, including pl, sub, times, div, etc.

＃key: Press the keys in series to enter or switch the operation symbols, including 4 arithmetic operators: decimal, sign of percentage，and right and left brackets.

Press the left-soft key to view a arithmetic result and the right-soft key to clear a character. Hold down the right-soft key to clear a row of character.

Note：Merely a row is displayed in one page of Calculator. If not wholly observed, please hold down the direction key to scan the entire mathematical formula.

<u>Incoming call guard:</u>

The receiving call guard in the handset, the humanized design for you, are used to restrict the receiving call of a/a group of phone number (s), and indicate the receiving call available in the course of receiving; after a streak, a missed call prompt will occur on the screen, and the record is saved in the unanswered call menu of the records of call.It lets you restrict receiving calls with liberty and convenience.

◆ Preset numbers: To add, view, edit, delete, delete all number(s), etc. You can restrict a group of numbers. For example, if you have restrict " 139" and when all the receiving calls of the numbers initiated with " 139 "are available, the network will have correspondingly the voice prompt and unable to connect;

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after a streak, the record will be saved in the missed call menu of records of call. You can also restrict a number. For example, " 07522611622 ", when the receiving call of the number is available, the network will have correspondingly the voice prompt and unable to connect and the handset will indicate the receiving call available; after a streak, the record will be saved in the missed call records.

◆ Status: To enquire the alive status of the receiving call guard.

◆ On:To actuate the receiving call guard function.

◆ Off: To shut down the receiving call guard function.

7.8 Games

The handset provides two classical games: Russian and brick, as well as graceful music accompanying the games process, you can enjoy at ease the delight brought by the games.

Choose a game with the up/down key in the main menu, then press the left-soft key to confirm, and a menu option appears, which helps you select a game, set game's environment, fulfil different operations, etc.

Russian

Use key 4,6,8 to shift a block leftward, rightward and downward separately, key1 or 3 to convert into the block you want. Press the left-soft key to start or halt a game, and the On-hook key or the right-soft key to quit the game.

◆ New game: To start playing a game.

◆ Resume: To re-play from where interrupted last time.

◆ Setup: To preset game's level, mode, etc.

■ Mode: To preset game's mode. There are 9 modes available for you selection.

- Level: To preset game's level. There are 9 levels available for your selection, at different speed with different level.
- Topscore: The best score for the game is recorded here for your inquiry.
- Instruction: This option Instruction you the way to play the game. The correlative description can be viewed here, and press the right-soft key to quit.

<u>Bricks</u>

Use key 4 and 6 to shift the bat leftward and rightward separately, and press keys 1 to throw the ball.Push the left-soft key to start or halt the game, and the On-hook key or the right-soft key to quit the game.

- New game: To start playing a game.
- Resume: To re-play from where interrupted last time.
- Topscore: The best score for the game is recorded here for your inquiry.
- instruction: This option instruction you the way to play the game. The correlative description can be viewed here, and press the right-soft key to quit.

<u>Setting</u>

The general settings are used for all the games in the handset.

- Sound: To set a game's sound on or off.
- Light: To set the game's backlight. Be able to set it on or off.

Note：In the game menu,“ Resume game ”menu appears only when the game history exists.

## 8.Operation instructions for English entrying method

The handset is used for English. Not only can the menu interface display in English, but messages can be edited in English as well.With English entry method, you can write, edit Phonebook and Notepad, etc. in English. The handset provides the following entry

modes. In editor interface, ⌀# key is used to enter punctuations. Press the left-soft key to access editing option menu. Clearing a character by pressing once the right-soft key, holding down the right-soft key can clear a row. Hold down ⌀* key to switch the entry method.

Smart English Entry Method

T9 Smart English Entry Method has smart associating function, the more letters you enter, the more complete words you get. Use ⌀0+ key to switch capitalization. For example: pressing in series ⌀2ABC, ⌀3DEF, ⌀7PQRS, ⌀8TUV key will enter " best ". Press the calling key to search if the displayed word is not the one you want to enter.

ABC Entry Method

Compared to T9 English Entry Method, the difference of ABC Entry Method is with no associating function, you can press keys in succession time and again to enter letters required. Enter a corresponding letter with each touch. For example: Press ⌀2ABC key to enter 'A', press ⌀3DEF key for 'D', and press ⌀2ABC key in succession to select 'A', 'B' or 'C' In the Entry Method, Use ⌀0+ key to switch capitalization, and other keys to enter letters.

Numerical Entry Method

In the entry method, press numerical keys to enter corresponding digits.

Symbol Entry Method

In the entry method, each numeric key representing different symbol will display in the screen of the handset, press the numerical key to select the homologous symbol. Press Up/Down direction key to scroll pages.

Appendix I Common fault diagnosis

Trouble	Possible reason
Can not be switched on	1. Need to charge the battery? 2. Battery is located correctly?
Battery can not be charged	1.Check if the charger is connected with the phone correctly? 2. The battery is usable? The battery performance will degrade due to several years' use. 3. The battery is over-discharged. The handset will come into the slow charging mode after connected to the charger, this moment the handset has no display. The handset can normally be charged hours later depending on the degree of discharging.
Network lost	1. The signal is too weak，There may be some radio interference all round. View whether the signal strength meter on the screen fails to show vertical lines. 2. The SIM card is located correctly, poorly contact or damaged? (If damaged, please ask your network supplier for replacement.)
Can not call out	1. Registered in the network? Check whether the screen displays the name of your network supplier? 2. Call barring is enabled? 3. Calling prohibited due to call charges not paid? 4. You have activated the function of fixed dialing numbers? 5. You have enabled the "Restrict my phone number", and was rejected by the network?

Can not call in	1. Registered in the network? 2. Receiving call prohibited due to call charges not paid? 3. Call diverting is enabled? 4. Bar receiving call in call barring is enabled?
Fail to preset functions	No support by the network supplier or need to register, please contact your network supplier.
PIN locked	Enter the PUK code supplied together with the SIM card to unlock.
PIN2 locked	Enter the PUK2 code supplied together with the SIM card to unlock.
Call meters inactive	No transferring metering pulses, please contact your network supplier.
SIM error	1. The SIM card is dirty, clean it. 2. Re-mount the SIM card. 3. The SIM damaged for replacement

Appendix II Abbreviations and explanations

CUG	Closed user group
GSM	Global system of mobile communication
GPRS	General pocket radio service
SMS	Short message service
CB	Cell broadcast
FDN	Fixed dialing numbers
SIM	Subscriber identity module

PIN   Personal identity number. Supplied together with SIM card.
                    Used to unlock the SIM card.

PIN2   Personal identity number 1. Supplied by the operator. Used as
                    special function in protected FDN which is supported by SIM

PUK   Supplied together with SIM card. It is used to unlock the SIM
                    card if you enter the wrong PIN code three times and SIM card
                    is locked. You can also use it to modify PIN code.

PUK2   Personal unlock code 2, supplied together with a specific SIM
                    card, and used to modify or enable a PIN 2 code

IMEI   International mobile equipment identity, consists of 15 numbers.
                    One mobile phone has only one IMEI.。

MCC   Mobile country code，for example：China（mainland）is 460.。

MNC   mobile network code，for example：China Mobile is 00，China
                    Unicom is 01.

Call waiting   A service supplied by the network，which allows you to receive
                    another receiving call without interrupting the present call，but
                    it is different from multiparty calls. You can only talk to one
                    party while another party is held at the same time.

Call divert   A service supplied by the Network, which allows you to divert
                    a receiving call to a specified number in difference
                    circumstances. Normally divided into Divert all calls, If busy, If
                    no answer and If no reachable.

Divert all calls   All receiving calls will be diverted by the network
                    unconditionally.

If busy   Divert your receiving calls while you are already on line.

If no answer   The network will divert your receiving call if you haven't
                    answered it in a specific duration when the handset rings or

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	vibrates.
If no reachable	The network will divert your receiving call when the network fails to find you handset （switched off or out of the service area） .
Roaming	It means the handset not used in the area of its local registered network. It includes international and domestic roaming. In this manual it refers to international roaming only.
STK	The full name is SIM ToolKit, a new service of GSM. It can provide you with smart information functions, such as stock information, traffic information, weather forecast, etc. The provided functions of STK depend on your network supplier. The service needs support of both the SIM card and the network.