



**CL7202K Multi-functional Handheld Terminal  
User Manual (V1.0.0)**

**Shenzhen Clou Electrical Technology Co.,Ltd**

RFID Application expert

Welcome to be the user of CLOU.

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Thanks for choosing CLOU's Multi-functional Handheld terminal CL7202K. We believe our device will bring convenience for your work.



## User manual

Thank you for choosing CLOU's multi-functional industrial Handheld Terminal CL7202K. To provide you the high quality experience, this device was designed on the basis of CLOU's high technology and standard. This user manual is to help the users to quickly understand the product's features and how to use it.

- Before using the device, please carefully read the safety precautions and user manual for safe and normal use.
- This description is based on the default parameters.
- Images and screenshots illustrated in the manual may be different from actual product appearance.
- This manual content may be a bit different from products, please visit the latest version at [www.szclou.com.cn](http://www.szclou.com.cn).
- Available features and additional services may vary from different products, software or services providers.
- Manual format and information based on the Android operating system.
- Applications and functions may vary from different national, regional or hardware specifications.
- The sound source, wallpaper and images provided in the terminal are only permitted to be used between CLOU and its owner. Unauthorized use of these resources for commercial or other purposes will be in violation of copyright law. CLOU will assume no responsibility for such copyright infringement behavior caused by user.
- Additional expenses will be generated for sending and receiving messages, uploading and downloading, Auto-Sync or . Please select the appropriate working mode to avoid extra cost.
- Please keep this user manual for future reference.

Before use, please pay attention to the following tips:

**Warning** - may hurt themselves or others.

**Note** - may damage the equipment or other equipment.

**Prompt**- comments use tooltips or other information.

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## 1. Technical Specification

System	
Operating System	Android 4.0.3
Language	Multi-language supportable
CPU	Samsung Exynos4412 Quad Core, Cortex – A9 CPU
Frequency	1.4GHz
Memory Capacity	DDR SDRAM :1GB; ROM:8GB
Extended Memory	Max 32G TF card supportable
LCD Screen	
Size	4"
Type:	480*800 HD LCD
LED	Three-color LED Status
Loudspeaker	Built-in (Volume adjustable)
Keyboard	
Standard Key	Qwerty keyboard
UHF RFID	
Protocol	ISO/IEC18000-6C / EPC C1G2
Frequency	902MHz~928MHz
Antenna	Circular 4dBi
Transmitting Power	0-29.5dBm
Reading Distance	0-7m
Barcode	
Identify mode	Laser Scan
Identify depth	45mm-450mm

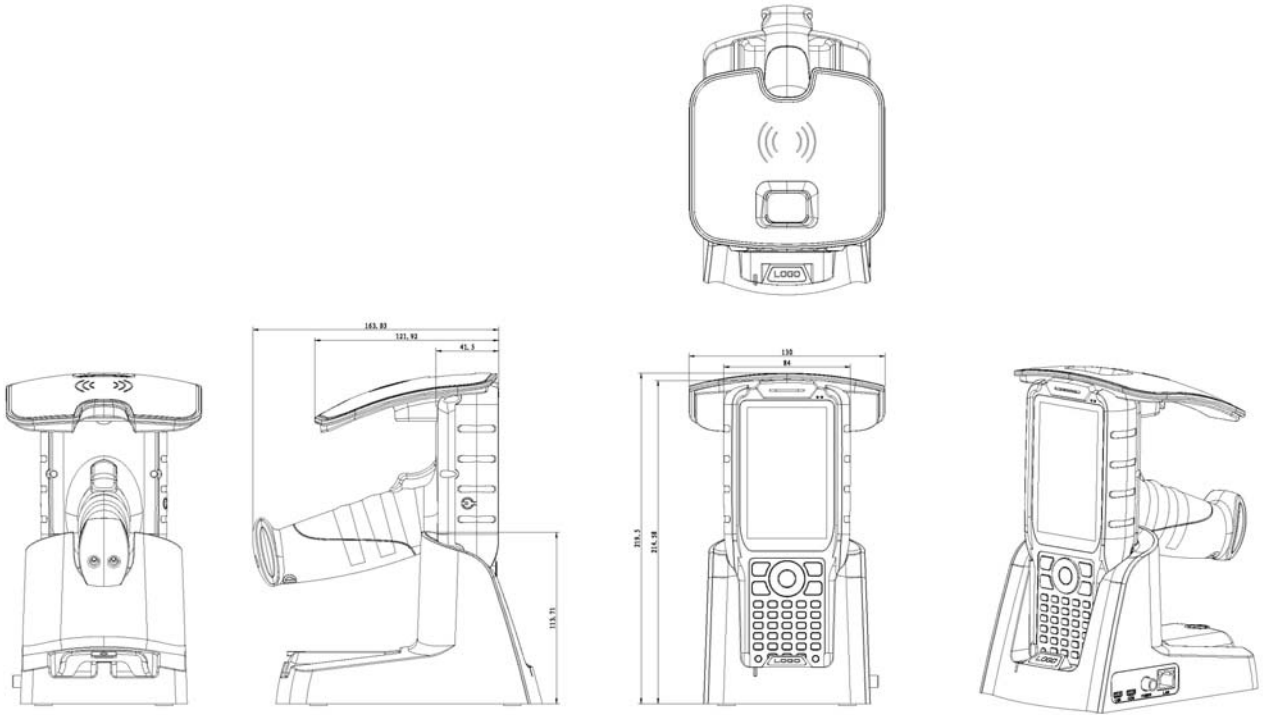
field	
1D type	Code128.EAN-13,EAN-8,Code39,UPC-A,UPC-E,Codaba,China post 25,interteaved 2 of 5,ISBN/ISSN.Code93,etc
2D type	PDF417,QR Code(Model 1/2); DataMatrix(ECC200.ECC000,050; 080.100.140),Aztec,Maxiccode, LPcode, Chinese sensible code ,etc
<b>Image Acquisition</b>	
Camera Pixel	8MP auto-focused
<b>WIFI</b>	
Protocol	IEEE 802.11b/g/n
Distance	100m indoor/300m outdoor
<b>WCDMA</b>	
3G Bands	900/1800/1900/2100 MHz
<b>GPRS/EDGE</b>	
GPRS/EDGE	850/1900 MHz
<b>Interface</b>	
External port	
Extend port	1× SD/MMC card slot,1× SIM card slot
<b>Battery Parameter</b>	
Capacity	Changeable 1X 3.7V 4000mAh li-polymer battery Installed 1X3.7V 3300mAh li-polymer battery
<b>Cradle (optional)</b>	
Function	Charging, data transfer
Interfaces	DC, RS232 , Battery slot
<b>Operational Enviroment</b>	
Working Temperature	-20 - +35°C

Storage Temperature	-30 - +70°C
Atmospheric Pressure	86kPa ~ 108kPa
Relative Humidity	5%-95% RH no condensing
Protection Grade	IP66
Drop Test	1.3 meter free fall onto concrete
<b>Physical Parameter</b>	
Size	Full set: 220mm*130mm*165mm Main body :190mm*84mm*42mm
Weight	About 700g
<b>Parts</b>	
Cable	USB cable, DC 5V power supply, Cradle
Power Supply	5V/3A adaptor
<b>Support</b>	
Documentation	Demo software and source code; API; Development guide; User manual



## 2. Sketch map

### 2.1 Physical construction



Img 2-1 Structure diagram of CL7202K

Volume of multi-functional handheld terminal CL7202K:

130.0mm\*163.0mm\*219.5mm (accessories excluded)

### 2.2 Weight

About 700g (accessories excluded)

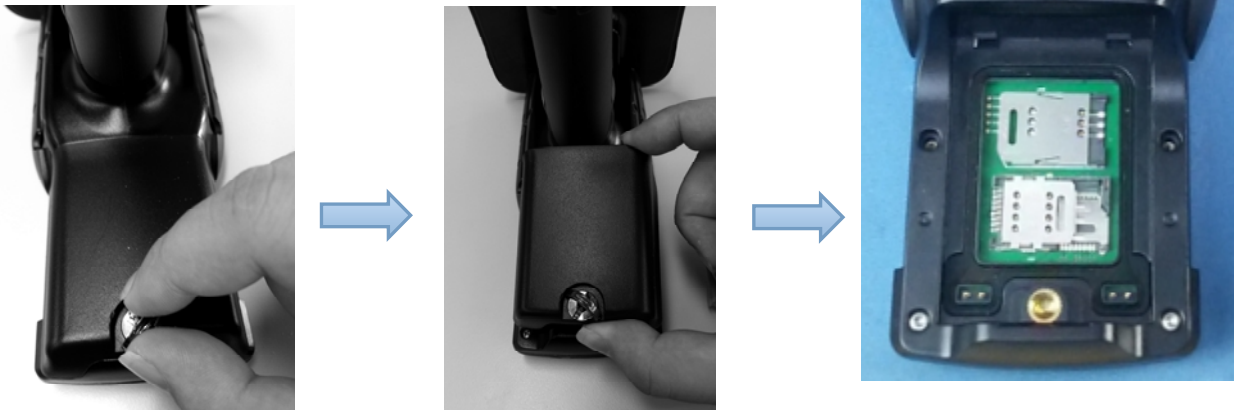
### 3. Installation Instructions

#### 3.1 Install SIM card/ USIM card / battery

When GPRS function is needed, please prepare a SIM card. When UMTS or HSDPA service is needed, please prepare USIM card.

If you want to install SIM/USIM/battery:

- 1 When the terminal is power on, press the power-off button or touch the icon [⏻] on main menu, to ensure the terminal is power off.
- 2 Unscrew the locking screw, take off battery.



2. Open the card slot, insert the SIM card (USIM card) into the slot, keep metal contacts down forward, ensure the card is installed properly, close the card slot.



3. Install the battery.

### 3.2 Battery charging

When using the terminal at first time, please fully recharge the battery with DC adapter or base. Both DC adapter and USB cable can be used for recharging the battery.

**Note:**

Please do use the DC adapter and USB cable in the packages provided by the manufacturer.

Using unidentified adapters or cables may cause battery explosion or damage your device.

**Prompt:**

Low battery status will be displayed on the LCD with warning sounds when the battery is low. Auto power-off will be occurred when the battery is too low. If battery is exhausted, please recharge the terminal for a few minutes before trying to turn on the terminal.

**Using adapter to recharge the handheld.**

1. Insert the adapter into the recharging port as in below picture.



**Note:**

- Improper connection may cause serious damage to the charger.
- Plug the charger into the standard power outlet.

**Prompt:**

1. It's normal that the device will heat up during charging.
2. When battery is fully charged, disconnect the device and power adapter. Remove the adapter from AC power socket.

**To save battery consumption**

If Auto-sync, Bluetooth, or WLAN functions is operating, battery consumption would be faster. For saving battery power, please turn off unnecessary programs. Or adjust brightness and time of the background light, switch to sleep mode through touch [⓪] icon when the device is not used.

**3.3 Install TF card**

TF card is needed if want to store more multi-media files. MicroSD™ or microSDHC™ card can be used to extend the user memory, maximum up to 32GB (It depends on TF card manufacturers and sorts). Please use famous brand TF card as some brand may incompatible.

**Note:**

- Use incompatible card may damage the TF card or or cause the loss of data inside.
- The device solely support memory card only with FAT file construction format. For other types memory card, the device will require card formatting or indicates un-recognized memory card. If you insert TF card with Non-FAT file format, it will indicate unrecognized TF card or require you to erase all content and settings
- Frequent write and delete data will shorten the lifespan of the TF card.
- When the card is inserted in the device, the files display in the folder of “sdcard /external\_sd” under internal memory (moviNAND™).

**Installation steps:**

1. Remove the battery cover.
2. Open SIM card slot first, and open memory card slot, install the TF card then close the cover.
3. Insert the TF card into the slot and lock in place.
4. Put the battery back.



### TF card format

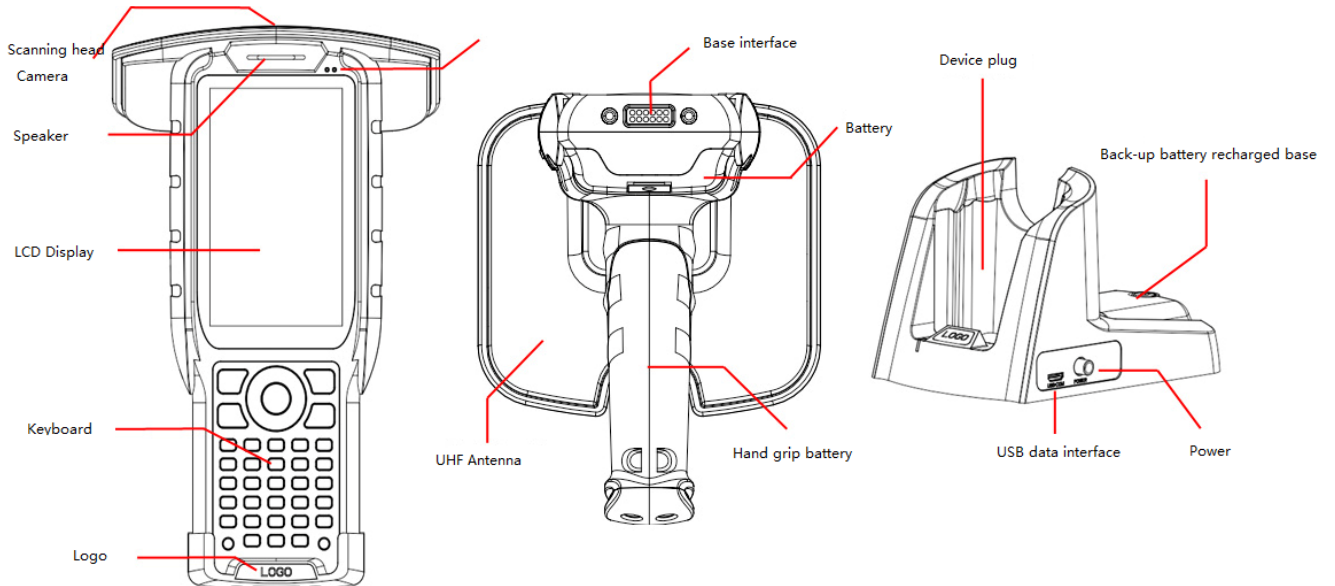
Formatting memory card on PC may cause card incompatibility with the terminal. Please only format the card on the terminal.

Open APP list on main menu, choose Setting→Storage→Uninstall SD card→ Confirm→ format SD card→Delete all.

**Note:** Please backup all data before formatting the SD card. The manufacturer's warranty service does not include data loss due to user operation.






















## 4.Operation Instruction

### Sketch diagram of handheld terminal



### 4.1 Keys introduction

Icon	Meanings
	Menu
	Home
	Backspace
	Delete
	Enter
	Up
	Down
	Left














	Right
	Shift
	function switch key
	Shift to switch Capital/Small letter, fn +A to input ~
	Shift to switch Capital/Small letter, fn +B to input 1
	Shift to switch Capital/Small letter, fn +C to input 2
	Shift to switch Capital/Small letter, fn +D to input 3
	Shift to switch Capital/Small letter, fn +E to input :
	Shift to switch Capital/Small letter , fn +F to input !
	Shift to switch Capital/Small letter, fn +G to input 4
	Shift to switch Capital/Small letter, fn +H to input 5
	Shift to switch Capital/Small letter, fn +I to input 6
	Shift to switch Capital/Small letter, fn +J to input &
	Shift to switch Capital/Small letter, fn +K to input @
	Shift to switch Capital/Small letter, fn +L to input 7
	Shift to switch Capital/Small letter, fn +M to input 8
	Shift to switch Capital/Small letter, fn +N to input 9
	Shift to switch Capital/Small letter, fn +O to input (
	Shift to switch Capital/Small letter, fn +P to input %
	Shift to switch Capital/Small letter, fn +Q to input *
	Shift to switch Capital/Small letter, fn +R to input 0

	Shift to switch Capital/Small letter, fn +S to input #
	Shift to switch Capital/Small letter, fn +T to input )
	Shift to switch Capital/Small letter, fn +U to input +
	Shift to switch Capital/Small letter, fn +V to input -
	Shift to switch Capital/Small letter, fn +W to input /
	Shift to switch Capital/Small letter, fn +X to input ,
	Shift to switch Capital/Small letter, fn +Y to input .
	Shift to switch Capital/Small letter, fn +Z to input ?
	Space key
	Power on/off key
<b>Hand grip</b>	User defined function

#### 4.2 Icons instruction

Icon	Meanings
	No signal
	Signal intensity
	GPRS network connected
	EDGE network connected
	UMTS network connected
	WLAN available
	WLAN connected



	Upload data...
	Download data...
	PC connected
	USB network share started
	WLAN hotspot
	SMS
	Alarm clock
	Activity notifications
	Mobile roaming (out of normal service area)
	Silent mode
	Vibration mode
	Airplane mode
	Battery volume
<b>10:00</b>	Current time

#### 4.3 Power on/off

Power on, press [①]

Power off, press [①], then select **Turn off** → **Yes**

#### Prompt:

- In the area of restriction on wireless devices use, please follow the instructions of all posted warnings and official staff.

- The handheld can be switched to Airplane mode when only use non-network services.

#### 4.4 How to use the touch screen

- Use the touch screen will be your convenience for selecting applications or performing functions. Learn the basic operation of touch screen usage.
- Keep the touch screen away from sharp tools in case any scratches.
- Keep the touch screen away from other electronic devices in case possible failures caused by electrostatic discharge.
- Keep the touch screen away from water or any humid environment in case possible failures.
- In order to use the touch screen better, please remove the protective film.
- Please use your fingertips to touch the screen.

Below actions is for controlling the touch screen:

- **Click:** Touch once, select or start the menu, option or App.



- **Hold:** Press and hold one item last at least 2 seconds.



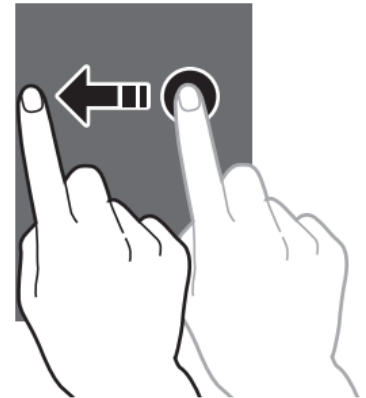
- **Drag:** press one item and drag it to required position.



- **Double click:** click one item twice very quickly.



- **Slide:** Slide up, down, left or right to browse the list or screen.



**Prompt:**

- The device will enter a dormant state if you do not use it for specified long time. Restart the screen by pressing icon [ⓘ].
- Time of backlight adjustment. Open display “Display” setting → background light → select timeout on the control panel.
- Dormancy-time adjustment. Open the power→ solution → set up the user free time.

**4.5 Lock, unlock touch screen and key.**

Lock the touch screen and keys to prevent accidental operation handheld. Press [ⓘ] to lock and unlock it, press [ⓘ] trun on the screen then slide the screen to one side by fingers.

**Learn to know the main menu step by step**

Main menu will show up when handheld under android system, the handheld's status and browse Apps can be checked. There are several panels on the main menu, slide left or right to choose one desktop panel.

### **Adding items to the system desktop**

The installed applications or tools can be added to the desktop by pressing 2 seconds of the corresponding icon in the program list; the system will automatically go to the desktop, and then drag it to the location required.

Support additive items as below:

- Widgets: Add the widgets to the system desktop.
- Shortcuts: Add items 'shortcuts, such as App, bookmark and contacts.
- Folders: Create a new folder or add folders for contacts.

### **Move items on the main menu**

1. Press and hold the item
2. Then drag it to the required place.

### **Delete items on the main menu**

1. Press and hold the item you want to delete, the delete icon will show on the top of the system desktop.
2. Drag the item to the trash.
3. Loose the item when it turns to red.

## **4.6 Access Applications**

### **Access the apps on the handheld.**

1. Choose the app then enter into the app list on the main menu.
2. Slide to left or right to choose other app interface.
3. Choose the application.

**Prompt:** Press and hold the app icon to add the shortcut. Move the icon on the system desktop to required place.

4. Press backspace key return to last interface; press home key return to system desktop.

**Prompt:** When rotating device for some functions, the device interface will automatically rotate. If it's not needed, then close it by: set up → display → Auto Rotate Screen.

### Access the recently-used application

1. Press the home key to open a list of the most recently accessed applications.
2. Select the application to access.

## 4.7 Customized handheld

Customized handheld based on personal preferences.

### Set up current time and date

1. Open the application list on main menu, and then select set up → date and time
2. Set up the time and date and change other items.

### Adjust the ringtone volume

Setting → sounds setting can adjust the volume of ringtone

### Switch to silent mode

Set up → sounds → silent mode setting can select turn off or silent.

### Select the wallpaper of system desktop

1. Press the menu key under the system desktop → wallpaper
2. Choose the picture type.
3. Choose and set up wallpaper

### Adjust the brightness of the screen

1. Open the application list on the main menu, and select Setting → display → brightness. Drag the slider to adjust the brightness level.
2. Then confirm.

**Note:** Different brightness level of the display will affect the consumption speed of the handheld battery.

### **Set up the screen lock**

Start screen lock function to lock the touch screen. Unlock code will be required whenever you turn on or unlock the touch screen.

**Prompt:** If you forget the unlock code, you need return the handheld to CLOU service center to reset, this operation may cause data loss, please keep your code safe.

### **Set unlock pattern**

1 Open the application list on the main menu, then select the Setting - > Security > > Screen Lock - > pattern.

2 Pay attention to the screen tips and sample design and select the next step two times.

3 Slide your finger and connect at least 4 points, draw a pattern.

4 Choose to continue next step.

5 Draw again the pattern to confirm.

6 Select 'confirm'.

### **Set the unlock PIN code**

1 Open the application list on the main menu, then select the Setting - > Security > > Screen Lock - > PIN code.

2 Enter a new PIN code (number) and choose to continue.

3 Enter the PIN code again and choose to confirm.

### **Set unlock password**

1 Open the application list on the main menu, and then select the Setting - > Security > > Screen Lock - > Password.





2 Set a new password (letter number) and choose to continue.

3 Enter the password again and choose confirm.

#### 4.8 Input Text

- 1 Input the text on the virtual keyboard or hand written on the screen.
- 2 Some languages text are not available, please change the language to which is supported.
- 3 Input method can be installed according to personal input habit.

#### Copy and paste text

- 1 Text can be used in other applications by copy and paste functions.
- 2 Place the cursor on the text needed copy.
- 3 Choose  . Choose the word or required text.
- 4 Drag  or  select the required text.
- 5 Press 'copy' to copy, or choose to clip the text to the clipboard.
- 6 In another application, place the cursor on wherever required.
- 7 Choose  to paste text from the clipboard into the text field.

## 5. Function Application

### 5.1 Alarm clock

Learn to how to set and control alarm clock

#### Set a new alarm clock

- 1 Open the application list on main menu, then select the clock.
- 2 Choose to set the alarm clock
- 3 Choose to add alarm clock.
4. Modify alarm clocks' properties.
- 5 Choose confirm.

#### Stop the alarm clock

When the alarm clock ring

Stop alarm clock, click cancel.

For repeating after the specified time, click pause and ring again

#### Delete the alarm clock

- 1 Open the application list on the main menu, then select the clock→ set the alarm clock.
- 2 Select an alarm clock that needs to be removed.
- 3 Delete alarm clock.

### 5.2 Caculator

Learn how to perform mathematical calculations on the handheld.

#### Calculation

Open the application list on main menu, and select the calculator.

Using the corresponding keys showed on the calculator to do basic arithmetic operations.

### 5.3 Internet

Learn how to access your interested web page and add it to your bookmarks.

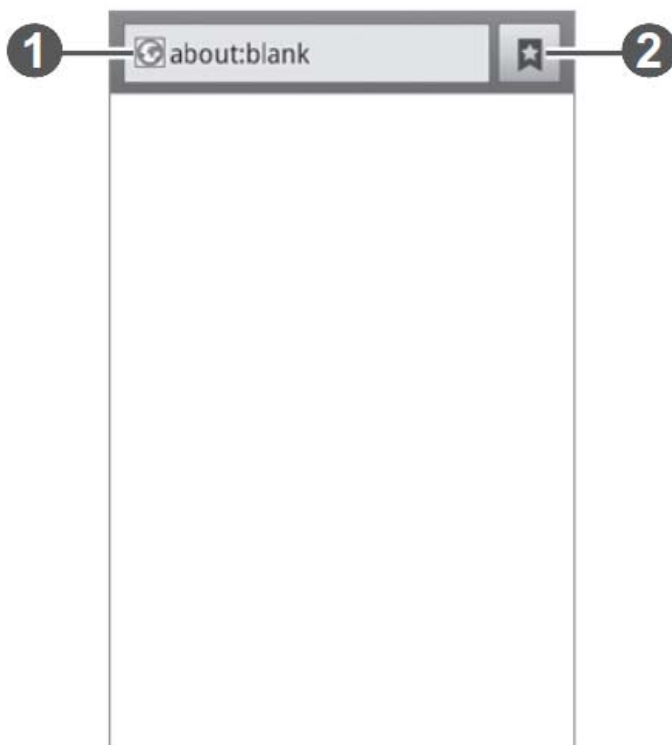


- Related cost generated for network access or media download. Contact service provider for more information.
- Available icons may vary depending on the area or service provider.

### Browse the website

1 Open the application list on the main menu, then select the Internet to enter the specified homepage. If you want to access a specific page, select the URL input field, enter the web address (URL), and go to view forward.






2 Use the following keys to browse the web:



Number	Function
①	Input the website address to browse
②	Open the list of stored bookmarks, website visited frequently and recent browsing history

You can use below functions when you browse website:


- Zoom, Press and hold the screen with two fingers separately (fold fingers will zoom out display).
- Open a new window, press [≡] → new window.

- Check the current launch window, press  →window. You can open more than one page, and you can switch among them.
- Reload the page, press  →Refresh.
- Go to the next history page, press  →Forward.
- Add bookmarks for the current web page, press  → more →Add
- Custom browser settings, press  → more →Settings




## 5.4 Message

Learn how to edit and send SMS or MMS, and check or manage messages sent and received.

### Send SMS

1. Select Message icon on the main interface.
2. Choose 
3. Add recipient (Enter the phone number manually, using a semicolon or commas between multiple numbers).
4. Choose click to edit the message, then edit the text.
5. Click send to send message.

### Send MMS

1. Select message icon on the main interface.
2. Choose 
3. Add recipient (Enter the phone number manually, using a semicolon or commas between multiple numbers).
4. Press  →add topic, then edit the message topic.
5. Choose click to enter the information, then edit the text.
6. Select  and add the article. You can select the file from the file list or make new photo, video or audio.
7. Click send to send the message.

### Check SMS or MMS.

1 Select message under the system desktop, just like using a messenger, messages will grouped into a message dialog according to contacts.

2 Select contacts.

3 As for multimedia information, select a message to view the details.

## 5.5 Camera

Learn how to take and check photos. The max resolution of the photo is 3264\*2448 (8 mega pixels).

Photo shooting

1 Open the application list on main interface, and then select the camera to open the camera.

2 Put the lens aim at the object and make necessary adjustments.

3 Click the focus location on the preview screen. Focus frame will be moved to the location of the click and turn green after focus the object.

4 Choose to take photos. Photos will be automatically saved.


- Select the icon image viewer can check photos after taking photos.
- To see more photos, just slide to left or right.
- Zoom in or out, put two fingers on the screen, then separate fingers (closed fingers will zoom out the photo), or double-click on the screen.
- Send photos to others, choose to share.
- Delete photos, select delete.

## Calendar

Learn how to create and manage daily, weekly, monthly events, and set alarm clock for big event to remind yourself.

### Create event

Open the application list on the main interface, then choose calendar.

Choose click to create new event or press  → create

Edit the detail information according to request.

Select save.

### Check event

Modify the view of calendar:

1 Open the application list on the main interface, and then select the calendar.



2 Select a view mode on the top of the calendar.

View a specific date:

1 Open the application list on the main interface, and then select the calendar.

2 Select dates on the calendar. In view of the month, the date of the event is marked with a small block symbol.

Personal information:

Manually input the date to skip to a specific date page, press  → go to, by selecting + or - enter the date, then select the settings. If you want to choose the date of today, press  →today.

3 Select the event to see the details .

## 5.6 HF/UHF RFID Reading

EPC code on the label can be scan unlimited times and can be stopped, emptied and modified. Supportable frequency range is 902-928MHz. Click the UHF icon on main menu, as shown (see image 5.3), enter the UHF tag reading interface (see image 5.4), Can read tags separately,( see image 5.5).



Image 5.3

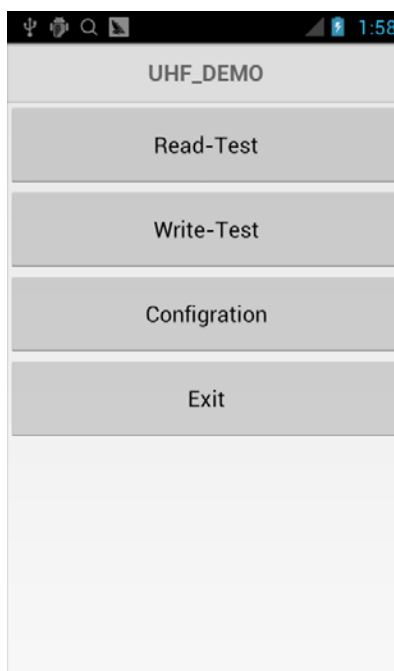


Image 5.4

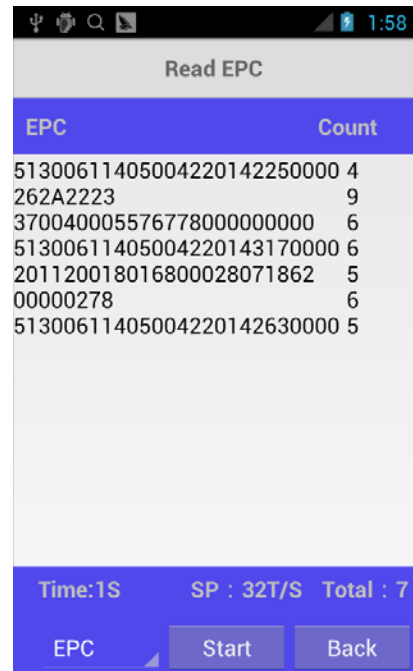


Image 5.5

Its functions also include writing tags and setting up UHF parameters which mainly set the power and frequency.

### 5.7 Barcode scan

Image 5.6 shows the interface of barcode scan option. Click Decode on the interface to scan the barcode.

There are 1D and 2D barcode available.



Image 5.6

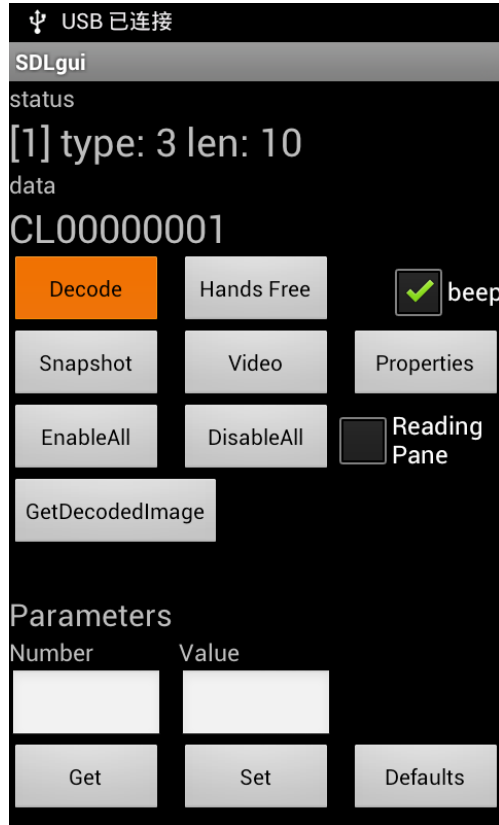


Image 5.7

## 6.Communication function

Network service requires data connection. Contact service provider to select the best data plan.

### 6.1 GPRS

Insert the SIM card provided by the operator into the card slot, convenient mobile network function is available after restart.

Users can send and receive data and browse the website via mobile networks.

About the mobile network settings, refer to section 6.5.

About the application of the browser, refer to Section 4.3

### 6.2 Wi-Fi

Learn how to use the handheld's Wi-Fi function to start and connect to the IEEE802.11b/g/n standard wireless LAN (WLAN). It can be connected to the Internet access point or other network devices available for wireless hotspot.

#### Start Wi-Fi function

Open the application list on the main interface, and then select Settings →Wi-Fi→ on.

**Note:** Running Wi-Fi background will consume battery power. If you want to save battery power, only start Wi-Fi when you need to use.

#### Search and connect Wi-Fi

1. Open the application list on the main interface, then choose to settings →Wi-Fi.

The handheld will automatically search the available Wi-Fi.

2. Select network under Wi-Fi network.

3. Enter network's passwords (if necessary).

4. Select connection.

#### Add Wi-Fi manually

1. Open the application list on the main interface, then select the setting →wireless and network→ Wi-Fi set → add Wi-Fi network.

2. Enter the network SSID and select the security type.
3. Set the security settings according to the selected security type.
4. Select save.

### Starting location services

Location services must be started to receive location information and search the map.

1 Open the application list on the main interface, then select settings →location services.

2 Adjust the following settings to start the location services:

Option	Function
Use the GPS satellite	Set up to use GPS satellite to find the location
Use the sensor	The sensor is used to enhance the walking position when the GPS signal is blocked. The estimated values of the sensor may vary between the actual positions.

### PC connection

Learn how to use the computer data cable to connect the terminal via the USB connector

#### Connect as mass storage devices

The handheld can be connected to the computer and access the file directory as a removable disk. The handheld, can be used as a TF card reader for accessing the TF card file directory when inserted.

1. If you want to transfer files with TF card, please insert the TF Card in the handheld.
2. Use the computer data line connects the multifunctional socket of handheld with the computer.
3. Select the connect USB store after connected (must NOT select the debug mode be in the developer option).
4. Choose YES to confirm (if necessary).
5. Open the folder to view the file.
6. Copy files from the computer to TF card.
- 7 Select disconnect the storage with the computer after the completion.

#### Note:



For disconnecting the computer with handheld, please click the USB device icon on the windows taskbar, and then click options to remove large capacity storage devices safely. Then remove computer data cable from the computer. Otherwise, it may cause the data loss or damage the TF card.

## 7. Settings

### 7.1 Access setting menu

1. Open the application list on the main interface, and then select setting.
2. Select setting types, and then choose the option.

### 7.2 Wi-Fi setting

Turn on or off Wi-Fi function

Click or drag the off button to open the WI-FI directly. In the same way to turn off WI-FI (at this moment the button is displayed as on).

Click on the left half part of the WI-FI settings, there are hot spots which can be searched and has been connected before, click the connected hot spot then select forget to disconnect the hot spot. Select the new hot spot and enter the password to connect.

In order to hide the SSID's hot spot, there is 'add network' button. You can enter the SSID and password manually to connect the hot spot.

See Chapter 6.3 Wi-Fi

### 7.3 Traffic conditions

Here shows the traffic conditions of the handheld records via WI-FI or GPRS

### 7.4 Wireless and network- More

- Airplane mode: Disable all wireless functions of the phone. Can only use non network services.
- VPN settings: set and connect to a virtual private network (VPN).
- Network sharing and portable hotspot:
  - USB shared network: start the USB network sharing function, share mobile network of the handheld with computer through the USB. The handheld will be used as the computer's wireless modem after connection.
  - Portable Wi-Fi hotspot: turn on and off the portable Wi-Fi hotspot.

- Configure the Wi-Fi hotspot: enter the SSID, encryption, and password of the hot spots.
- Help: Please check the details information of above items.
- Wi-FiDirect: Use Wi-Fi Direct function can connect two devices without access point.
- Wireless network
  - Data traffic available: set this option allows to use group exchange data network of network services .
  - Data roaming: set handheld connect to other networks when roaming or local network is not available.
  - Access point name: set access point name (APN).
  - Only use 2G network: select this option will save power volume but will affect the network speed
  - Network operators: search for available networks and select roaming networks.

## 7.5 Sounds

Modify handheld different sound settings.

- Volume: Adjust all volume of ringtones, music and video, system voice and notification ringtones.
- Silent mode: Start silent mode can close the media sound and all sound except alarm prompt tone.
- The default notification: selection activities prompt tones, such as the receipt of new information.
- Touch tone: Set handheld voice when select the application or options on the touch screen .
- Lock screen prompts tone: Set handheld voice when lock or unlock the touch screen.

## 7.6 Display

Modify the display settings

- Brightness: Set the brightness of the display.
- Wallpaper: Select the desktop wallpaper.
- Automatic screen rotating: Set automatic rotating or not when rotate the handheld.
- Sleep mode: Setting the length of waiting time of the handheld before turn off the background light of the display.

- Font size: Set the font size of the system.

### 7.7 Storage

Display the occupancy of the storage space currently used by the handheld

### 7.8 Battery

To check the condition of battery.

### 7.9 Application

Modify settings to manage installed applications.

- Downloaded: The access handheld has been installed the application list to view the application information.
- SD card: view the application installed in the SD card.
- Running: view the available memory as well as the memory used by the handheld.
- All: All the applications installed

### 7.10 Account and SYNC

Modify the setting of Auto-Sync function or manage the account need to be synchronized.

- The background data: select this setting to use Auto-Sync function. Auto-Sync will run in the background, will not open the application and synchronize data.
- Auto-Sync: Setting handheld automatically sync contacts, calendars and e-mail data.

### 7.11 Location service

- Location service of Google: To find the approximate location of you via Wi-Fi or mobile data.
- The location and Google search: Allow Google to use your location information to improve search results and other services.

### 7.12 Security

- Screen lock: Set the unlock code. If you have set the security code, the option is changed to change

the screen lock.

- No: Cancel the screen lock.
- Slide: Unlock screen by simply sliding the screen.
- Pattern: Set the unlock pattern to unlock the screen.
- PIN Code: Set PIN code (digital) unlock screen.
- Password: Set the password (letter and number) to unlock the screen.
- Owner information: Type text to display on the lock screen.
- Set SIM card lock:
  - Lock SIM card: Start or cancel the PIN lock function; this function requires PIN to use the handheld.
  - Set the PIN code for the SIM card: change the PIN code for accessing the SIM or USIM card data.
- Password visible: In order to ensure the safety, the handheld will display the password as ● by default.  
Can set up the password visible when enter password on the handheld.
- Unknown sources: Select this option to download applications from any sources. If do not select this option, applications can only be downloaded from Android Market.
- Trusted credentials: Use certificates and documents to ensure the safety of all applications.

### 7.13 Language and Input

Modify the setting of text input

#### Select Language

Select the language of all menu and applications

#### Select Input methods

Select the default type of keyboard for text input.

### 7.14 Backup and reset

Backup handheld settings and APP data, as well as restore factory settings.

### 7.15 Date& Time

Access and modify the following settings to control the display the date and time:

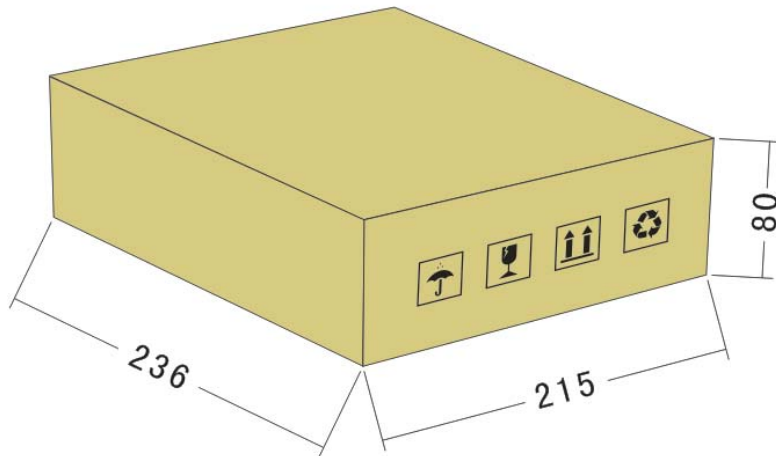
- Automatic date and time: automatically update the time when across time zone.
- Automatic time zone: automatically update the time zone when across time zone
- Set date: manually set the current date.
- Select time zone: set the local time zone.
- Set time: manually set the current time.
- Use 24-Hour format: set as 24-Hour to display time.
- Select date format: select date format.

### **7.16 About phone**

Access to the handheld information and check the handheld state.

## 8. Packing accessories, transportation and storage

### 8.1 Package



Carton box size: 236mm \* 215mm \* 80mm (Length x width x height)

### 8.2 Accessories

In order to facilitate the storage and transportation in near future, the packing box and the packing material should be kept properly after unpack.

Besides of the device in the box, accessories equipped with the reader are also included in, please check the product packing list to confirm whether the product and accessories are complete, if any discrepancies or damage, please contact with the after-sale service in time.

The specific list of accessories as shown in table 6-1

NO.	Name	Material Code	Qty	Unit	Remark
1	Handheld terminal		1	set	Included
2	Battery		1	pcs	Included
3	Charger		1	unit	Included
4	Cradle		1	unit	Included
5	Cable		1	pcs	Included
6	Warranty card		1	pcs	Included
7	Certificate of approval		1	pcs	Included
8	CD		1	pcs	Included

Table 6-1 Package list

### 8.3 Storage environment

CL7202K handheld terminal should be stored in below conditions:

- ☆ Environment temperature:  $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- ☆ Relative humidity: 5% RH~95%RH
- ☆ Please take battery out for separate storage if not use for long time.



## 9. Trouble shooting

**If the touch screen is not perfectly contacted, please try the following tips:**

- Take off any protective film of the touch screen. The protective film can prevent the identification of input, it is not recommended to be used for touch screen.
- Please make sure your fingers are dry and clean when you click on the touch screen.
- Restart to remove any temporary software error.
- Make sure that the software has been updated to the latest version.

**Send out a prompt tone and the battery icon flashes.**

Battery power is low. Can be used again only after charge or replace the battery.

**Abnormal battery charging or shutdown**

May be caused by dirty battery electrode. Please clean the metal contact with a clean soft cloth and then try to recharge the battery.

If the battery can no longer be fully charged, please properly deal with the old battery and replace it with a new battery (please refer to the local law and properly handle the battery according to the instruction).

**Terminal become hot**

When using large power consumption app or use the app for a long time on the terminal, the terminal will be hot, which is normal situation, will not affect the terminal's service life or performance.

**Error message when starting a camera**

Sufficient storage space and battery power are required to support the camera working. If receive an error message when starting a camera, try the following tips:

- Charge batteries or replace new batteries.
- Save files to a computer or delete to free up storage space.
- Restart to free memory space.

**Can't find another Bluetooth device.**

Make sure the Bluetooth wireless function is on.

- Make sure that the device need to connect has started Bluetooth wireless function (if necessary).
- Make sure that the distance between the terminal and the other Bluetooth device is within the maximum Bluetooth range (10m).

#### **Terminal and computer are not connected successfully**

- Make sure that the data line and terminal is compatible.
- Make sure that the appropriate driver is installed on the computer, and the driver has been updated.

#### **Safety Caution**

To ensure physical safety or protect your terminal from damage, please read all the following information before use.

#### **Warning:**

**To prevent electric shock, fire and explosion**

**Do not use damaged power cable plug or loose power outlet**

**Do not use wet hand to touch the power cord or pull off the charger by pulling the wire.**

**Do not bend or damage the power cord**

**Avoid charger or battery short circuit**

**Do not use any charger without manufacturer's approval.**

**Please do not use terminal in Thunderstorm Weather**

**Do not use a battery which has been damaged or leaking.**

**Carefully handle and dispose of batteries and chargers**

- Do not throw the battery or the terminal into the fire.
- Do not put the battery or the terminal inside or the upper of heating equipment (such as a microwave oven, oven or heat sink). Battery overheating may explode.
- Do not squeeze or puncture the battery. External high voltage for the battery may cause internal short circuit and overheating.

**Protect terminal, battery and charger from damage.**

- Avoid exposing terminal and the battery to extremely cold or hot temperatures.
- Extremely temperature can cause terminal distortion, reduce the terminal's charge capacity and shorten the lifespan of the terminal and battery.
- Prevent the battery from touching the metal object, otherwise it may cause the battery positive and negative pole connection, cause battery temporarily or permanently damage.

**Note: Please comply all safety warnings and regulations when using the terminal in the restricted area.**

**Please turn off the terminal where terminal is prohibited**

Comply all regulations when using the terminal in the restricted area.

**Please do not use the terminal near other electronic devices**

Most electronic devices use radio frequency signals, and your terminal may interfere with other electronic devices.

**Please do not use the terminal near the hospital or the medical equipment that may be affected by the radio frequency.**

If you use any medical equipment, please contact your device manufacturer to make sure your terminal can be used safely in the radio frequency.

**Turn Off the terminal in an environment that is likely to explode.**

- Turn off the terminal rather than removing the battery in an environment that is likely to explode.
- Operate the terminal always in accordance with the regulations, instructions and signs in an environment that is likely to explode.
- Do not use the terminal in the gas station (maintenance station) or near flammable materials, chemical and explosive area.
- Do not store or carry flammable liquids, gases or explosive materials in the case of a terminal, terminal parts or accessories.

**Keep and use terminal properly****Keep terminal dry**

- Moisture and various liquids may damage the terminal parts or electronic circuits.
- When the terminal is wet, please remove the battery, do not turn on the terminal. Dry it with a towel and take it to the service center.

**Do not using flash light when approaching the eyes of people or animals**

Using flash light close to eyes (if any) may cause vision loss or damage to the eye.

**Make sure that the battery and charger reach the maximum lifespan.**

- The battery cannot be charged continuously more than a week, over charging may shorten the battery life.
- The battery need to be recharged if the battery is placed in a long period of time without a gradual discharge.
- When the charger is unused, it needs to be disconnected.

## 10. After-sale

### Letter to Customers

Since our aim is to continuously improve our products for better user experience, we may modify the product characteristics, composition and design of circuits without given notifications. Thus the real product may be not in accordance with this manual. Generally, we will provide timely amendments to this manual. If it's not provided timely, please consult our service department.

Shenzhen Clou Electrical Technology Co., Ltd.

Tel of Sales Dept: 0755-36901166-3302

Fax: 0755-26719679

Tel of Customer Service Dept: 0755-36901057

Fax: 0755-26719679



### 科陆电子 Guarantee card of Shenzhen Electrical Technology Co.,Ltd

Product Name		Model No.	
Product Code		Level	
Description of troubles			
User's name		Postcode	
Contact person		Contact no.	

Address of factory: Block 3 of CLOU Electronics Industrial Park, Baolong Industrial City, Longgang District, Shenzhen, Guangdong, China (Interchange of Baolong road and Qingfeng Road)

Post code: 518057

Customer service centre: 8009990986

**Warranty Description:** In order to offer users better service, our company provide warranty card with each device, please keep it to enjoy the service.

1, Products can replace free under conditions within one month after sale, in the precondition of normal operation without repairing.

2, Free maintenance won't be given under the following circumstance:

- ① The damage of the terminal caused by high voltage of the power grid.
- ② The damage caused by misuse or operated improperly.
- ③ The damage caused by excessive vibration when user delivering.

3, The software of this product can be upgraded freely, users can be training in our company for free.

4, Will be charge appropriately if the user don't have a warranty card.

5, Users will need to fill out the warranty card for repair service, and sent back to CLOU.

# CE 0700

## DECLARATION OF CONFORMITY

Hereby, Shenzhen Clou IOT Technologies Co.,Ltd. declares that this Multifunctional Handheld product in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity can be found an Website: <http://www.clouiotech.com/>

### Testing standards:

EN 60950-1:2006 + A11:2009 + A1:2010+A12:2011+A2:2013
EN 50566:2013/AC:2014 EN 62209-2:2010 EN 62479:2010
ETSI EN 301 489-01 V1.9.2(2011-09) ETSI EN 301 489-03 V1.6.1(2013-08) ETSI EN 301 489-07 V1.3.1(2005-11) ETSI EN 301 489-17 V2.2.1 (2012-09) ETSI EN 301 489-24 V1.5.1(2010-10)
ETSI EN 300 328 V1.9.1 (2015-02)
EN 302 208-1 V2.1.1: 2015-02 EN 302 208-2 V2.1.1: 2015-02
ETSI EN 301 511 V9.0.2 (2003-03)
EN 302 208-1 V2.1.1: 2015-02 EN 302 208-2 V2.1.1: 2015-02
ETSI EN 301 908-1 V6.2.1 (2013-04) ETSI EN 301 908-2 V6.2.1 (2013-10)

**Manufacture's Name:** Shenzhen Clou IOT Technologies Co.,Ltd.

**Model number:** CL7202K

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 1cm 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.

This Tablet pc product(Contains the auxiliary equipment:Adapter) in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. All essential radio test suites have been carried out.

1. CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO
2. The product shall only be connected to a USB interface of version USB 2.0
3. Adapter shall be installed near the equipment and shall be easily accessible.
4. The plug considered as disconnect device of adapter
5. The device complies with RF specifications when the device used at 0mm form your body

**FCC Statement:**

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

**FCC Warning:** 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 Statement**

This Product 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 Extremity SAR limit of USA (FCC) is 4.0 W / kg averaged over Ten gram of tissue. Device CL7202K (FCC ID: 2AKAGCLOUIOTCL7202K) has been tested against this SAR limit. SAR information on this can be viewed on-line at <http://www.fcc.gov/oet/ea/fccid/>. Please use the device FCC ID number for search. This device was tested for typical operations 0mm from the Extremity. The Max Extremity SAR :1.849 W/kg To maintain compliance with FCC RF exposure requirements, 0mm separation distance should . maintained to the user's bodies





customer service number

**800 999 0986**



SHENZHEN CLOU ELECTRONICS CO., LTD.