
3G Wireless router RT9E

User Guide

Dear user

Thank you for purchasing our 3G wireless router (Hereinafter referred to as RT9E) .

Statements:

1. RT9E is a portable, high-speed Internet access equipment which can work independently. It can not only be connected to cable wired broadband network or carriers of the 3G wireless network as an uplink, but also establish WiFi wireless local area network, and make peripheral devices that supports WiFi(such as laptops, Tablet PC, cellphones, digital cameras, Game consoles etc.) can share available network resources. Meanwhile, RT9E can be used as traditional routers or TF memory cards.

Having a RT9E, you can possess a router, a network card and a mobile hard drive at the same time. Tiny but with powerful functions, you will be amazed by it!

2. Pictures are only for reference, the actual product is the standard.

3. This manual describes the basic operation of RT9E. Please refer to the help information on the management webpage to operate management parameter configuration.

4. In certain places, RT9E may make temperature rise after long time work. When this happens, please put it in a ventilated place to dissipate heat.

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1. Chap.1: Product introduction

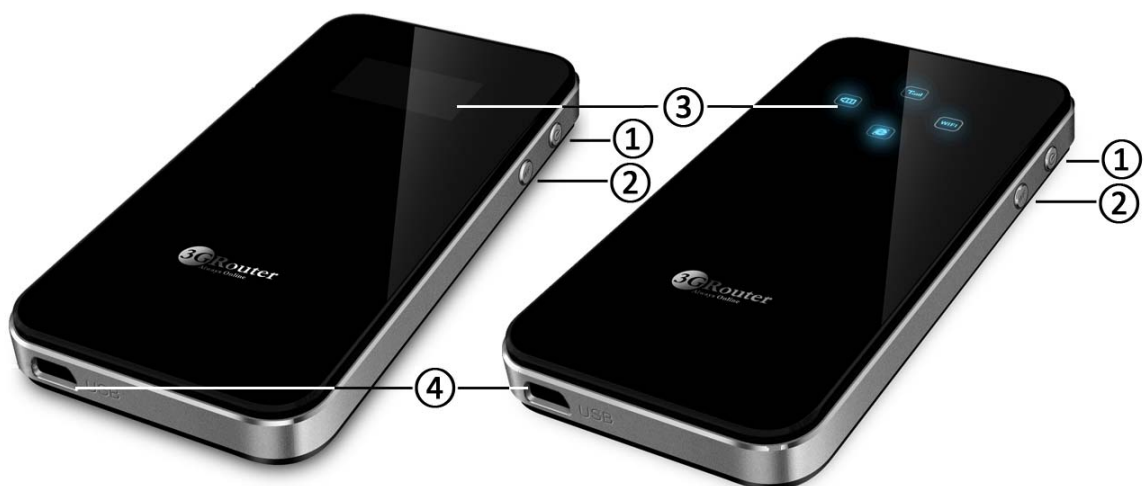
1.Product introduction

✧ Support IEEE802.11 b/g/n protocol, can achieve up to 150Mbps

high-speed wireless LAN transmission.

- ✧ Support TF card storage
- ✧ Support WAN / LAN interfaces, wired or wireless is optional.
- ✧ With built-in 1500 mA lithium battery, super long standby.
- ✧ Mini, elegant and portable.

2. Product appearance



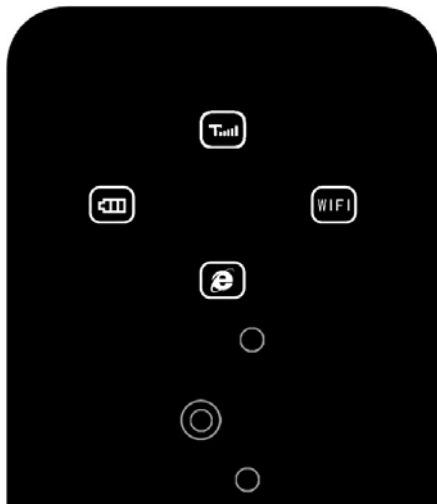
Item	Instruction	Item	Instruction
①	Power Key	③	LED Screen/ LED Indicator
②	WiFi	④	USB Interface





3. LED screen instructions



Item	Instruction
1	Signal Strength
2	Connect 3G Network Success
3	WIFI On
4	Connected User Number
5	Quantity of Battery
6	ISP
7	Flow Statistics Information
8	Connect Time Statistics

LED indicator instructions



LED	Status
 Signal	Green light On: 2G signal
	Blue light On: 3G signal
 WiFi	Blue light On: WiFi signal is enabled
	Blue light flashing: connected to WiFi
 IE	Blue light: connected to Internet
 Power	Red light flashing: low battery
	Yellow light flashing: charging
	Green light: connected battery, and the normal working

4. Product parameters

- 1) Networks: CDMA2000/EVDO
- 2) Frequency: 800MHz■ 1900MHz■
- 3) Transmission rate: 3.1Mbps (The theoretical maximum downlink rate), 1.8Mbps (The theoretical maximum uplink rate)
- 4) Battery capacity: 1500mAH
- 5) Charging method: USB charge

5. Packing list

Standard configuration: RT9E wireless router host, battery, USB cable, the user guide.

Optional configuration: RJ45 Converter

Chap.2: How to connect to the network

1. Hardware installation

Open the back cover, install the TF card, SIM card and battery (Install in accordance with demand) as the picture shows.



2.Startup & Shutdown

Long press the power button for 3 seconds, until the screen/power indicator lights up, then the RT9E starts up. As for shutdown, long press the power button until the screen/power indicator is off.

3.Search network, establish WIFI connection

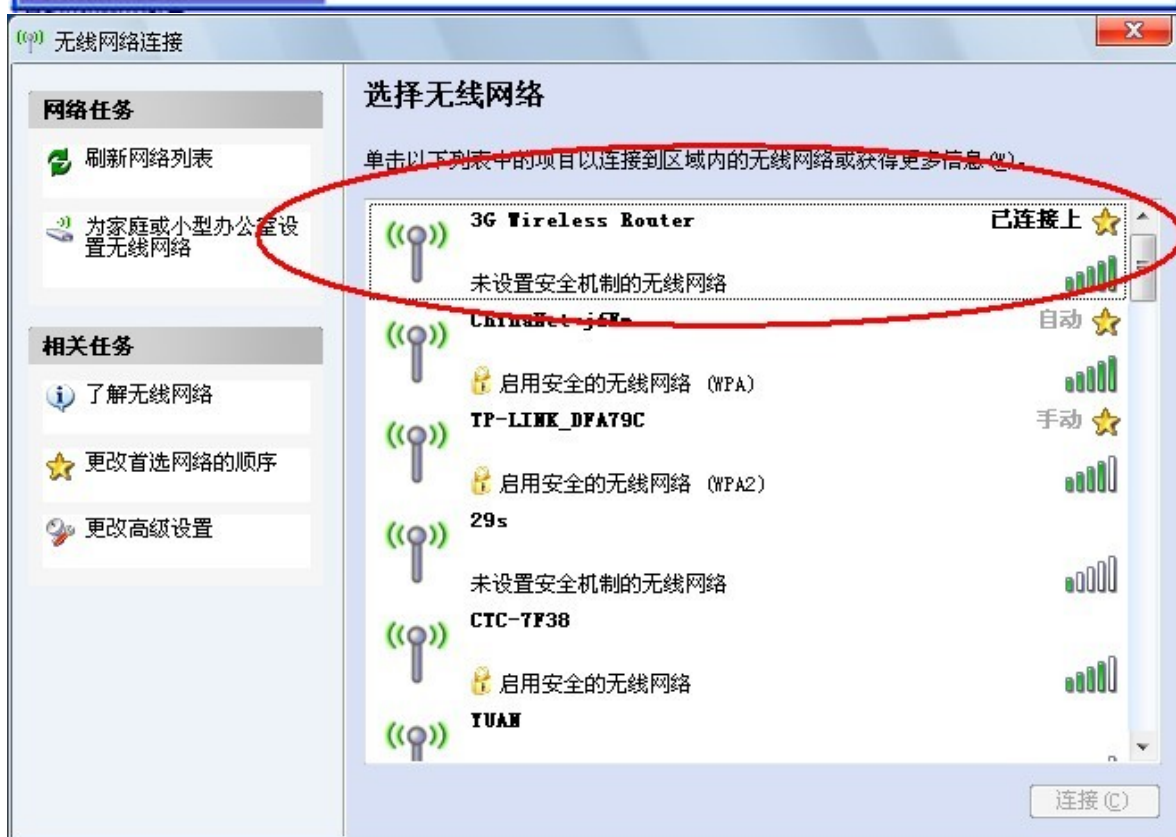
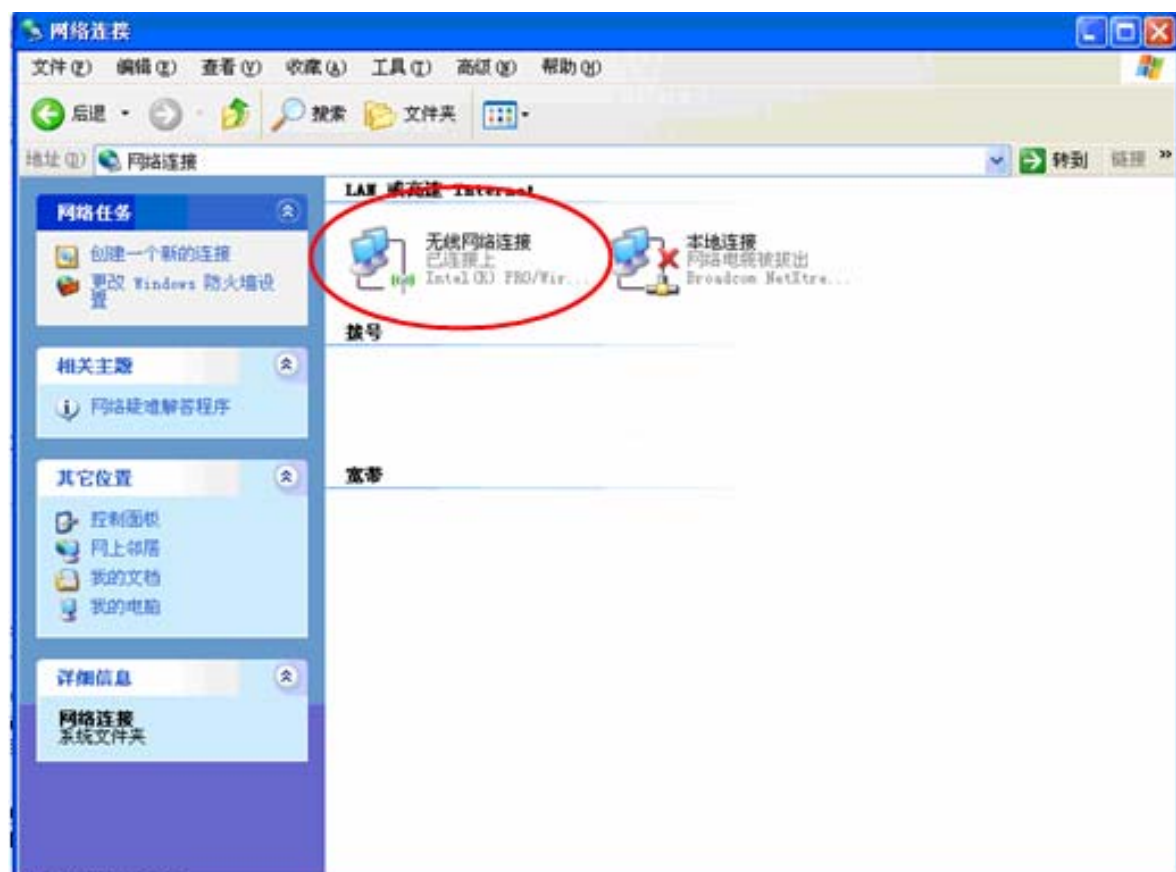
Directions: Before establish WiFi connection, you must ensure that the

computer is equipped with wireless card .Otherwise, you need to use the wireless network card to connect RT9E.

Computer (WIN XP) as an example:

- 1) Select Start -> Settings -> Control Panel -> Network Connections -> Wireless Network Connection.
- 2) Click view of the available wireless network, then it will display a list of wireless network.
- 3) Choose the wireless network connection that consistent with the SSID (or modified SSID) of RT9E.If the password has been set already, please enter the password according to the prompt.
- 4) Wait for a moment, wireless network icons will show on the The lower right corner of the computer screen and the router will display the number of connected users.Then,the wireless network connects,people can share the network.

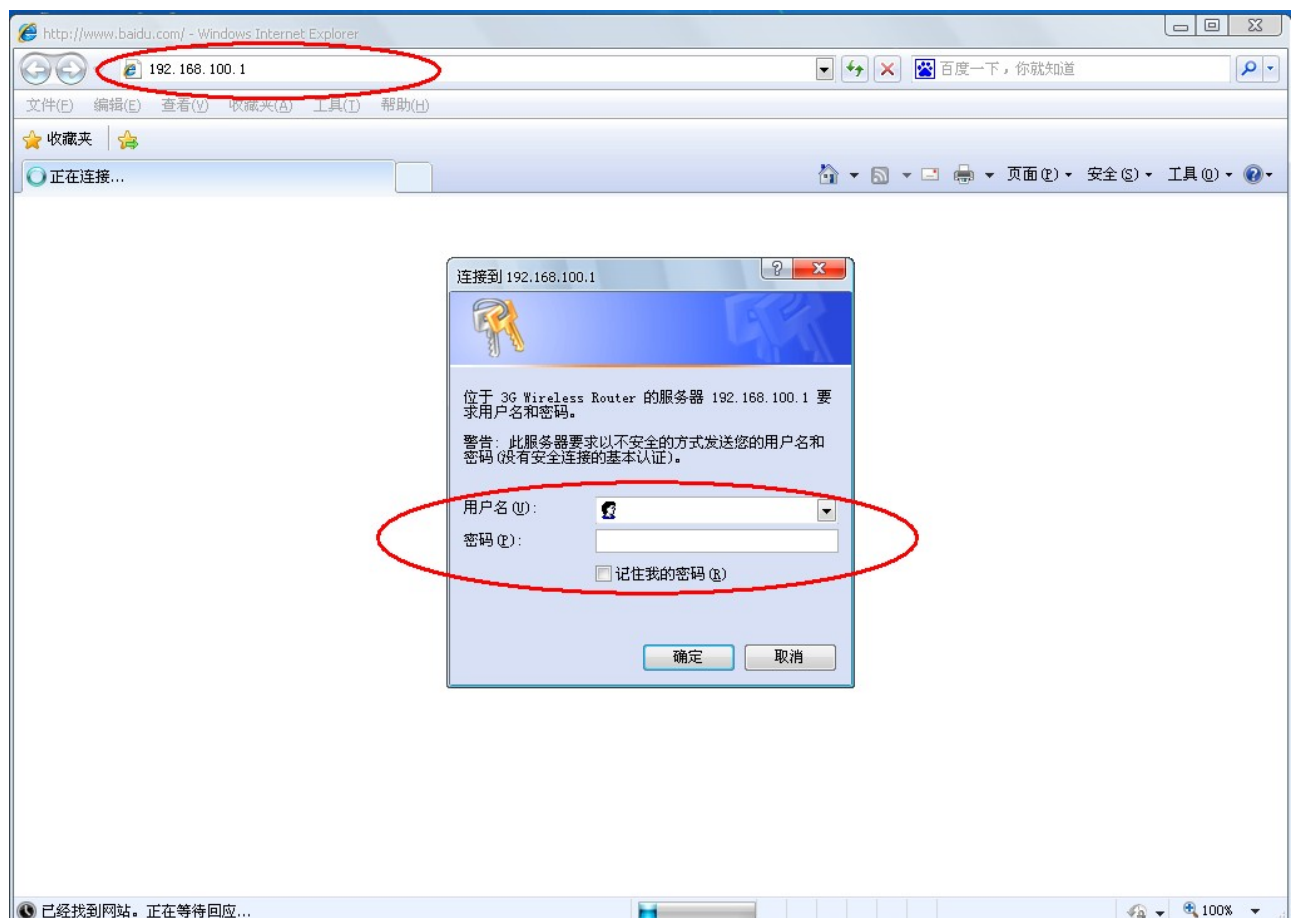
As shown below:



Chap.3: Management platform and simple settings

1. Login router management platform

- 1) After Searching devices and connecting to network as indicated in Chapter 2, follow the Prompts on the back cover of RT9E, enter 192.168.100.1 in the browser address bar, and then get into the management platform.。
- 2) Management platform default address: 192.168.100.1
- 3) Management platform default user name: admin
- 4) Management platform default password: admin



2. How to modify SSID name

Factory default SSID name: 3G Wireless Router。 Modify the name as follows:

- 1) Open RT9E management platform site 192.168.100.1, enter the management page.
- 2) Go to "Wireless Settings" -> " Basic " -> "Network Name(SSID)", and enter the a new SSID name. (Support 64-bit character, does not support Chinese)
- 3) Click "OK" after setup is completed. The device will restart automatically , you need to re-search devices and connect to your new-set SSID.

As shown below:

语言/language: English
Software Version 1.0.0
📶

Cur Status

- ▶ Status
- ▶ Statistic

WAN Set

- ▶ WAN Set
- ▶ Network Traffic

LAN Set

- ▶ LAN Set

Wireless

- ▶ Basic
- ▶ Statistics

Net Security

- ▶ Net Security

Sys Service

- ▶ Administration
- ▶ Upload Firmware
- ▶ Settings Management

Basic Wireless Settings

You could configure the minimum number of Wireless settings for communication, such as Network Name (SSID) and Channel. The Access Point can be set simply with only the minimum setting items.

Wireless Network		
Radio On/Off	RADIO OFF	
WiFi On/Off	WiFi OFF	
Network Mode	11b/g/n mixed mode ▼	
Network Name(SSID)	3G Wireless Router Hidden <input type="checkbox"/> Isolated <input type="checkbox"/>	
Multiple SSID1	<input type="text"/> Hidden <input type="checkbox"/> Isolated <input type="checkbox"/>	
Multiple SSID2	<input type="text"/> Hidden <input type="checkbox"/> Isolated <input type="checkbox"/>	
Multiple SSID3	<input type="text"/> Hidden <input type="checkbox"/> Isolated <input type="checkbox"/>	
Multiple SSID4	<input type="text"/> Hidden <input type="checkbox"/> Isolated <input type="checkbox"/>	
Multiple SSID5	<input type="text"/> Hidden <input type="checkbox"/> Isolated <input type="checkbox"/>	

3. How to modify the wireless access code

To facilitate your use ,RT9E sets the security password 00000000. If you need to change the code, please set as follows:

- 1) Open the management platform site 192.168.100.1, enter the management page
- 2) Click "Net security" ;
- 3) Click security model drop-down menu, select the password type (recommend WPA-PSK、WPA2-PSK or WPAWPA2-PSK);
- 4) Enter your password
- 5) Click OK to save, you need to enter the set password if you want to

re-connect to the router.

As shown below:

The screenshot displays the 'Wireless Security/Encryption Settings' page. The left sidebar contains navigation links: Cur Status (Status, Statistic), WAN Set (WAN Set, Network Traffic), LAN Set (LAN Set), Wireless (Basic, Statistics), Net Security (Net Security), and Sys Service (Administration, Upload Firmware, Settings Management). The main content area is titled 'Wireless Security/Encryption Settings' and includes a subtitle: 'Setup the wireless security and encryption to prevent from unauthorized access and monitoring.' The settings are organized into sections: 'Select SSID' (SSID choice: 3G Wireless Router), '3G Wireless Router' (Security Mode: WPA2-PSK), 'WPA' (WPA Algorithms: TKIP, AES, TKIPAES; Pass Phrase: 00000000; Key Renewal Interval: 3600 seconds), and 'Access Policy' (Policy: Disable). Red circles highlight the 'Security Mode' and 'Pass Phrase' fields.

4. Restore factory settings

- 1) Make sure the equipment is on
 - 2) Long press WiFi button until "restore factory settings" -> "restore factory settings successfully" displays on the screen.(RT9E with srceen)
- Long press WiFi button until Signal,WiFi,IE indicators turn off. (RT9E with indicator)

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- 3) Equipment restarts, reset completed.

Chap.4: additional functions

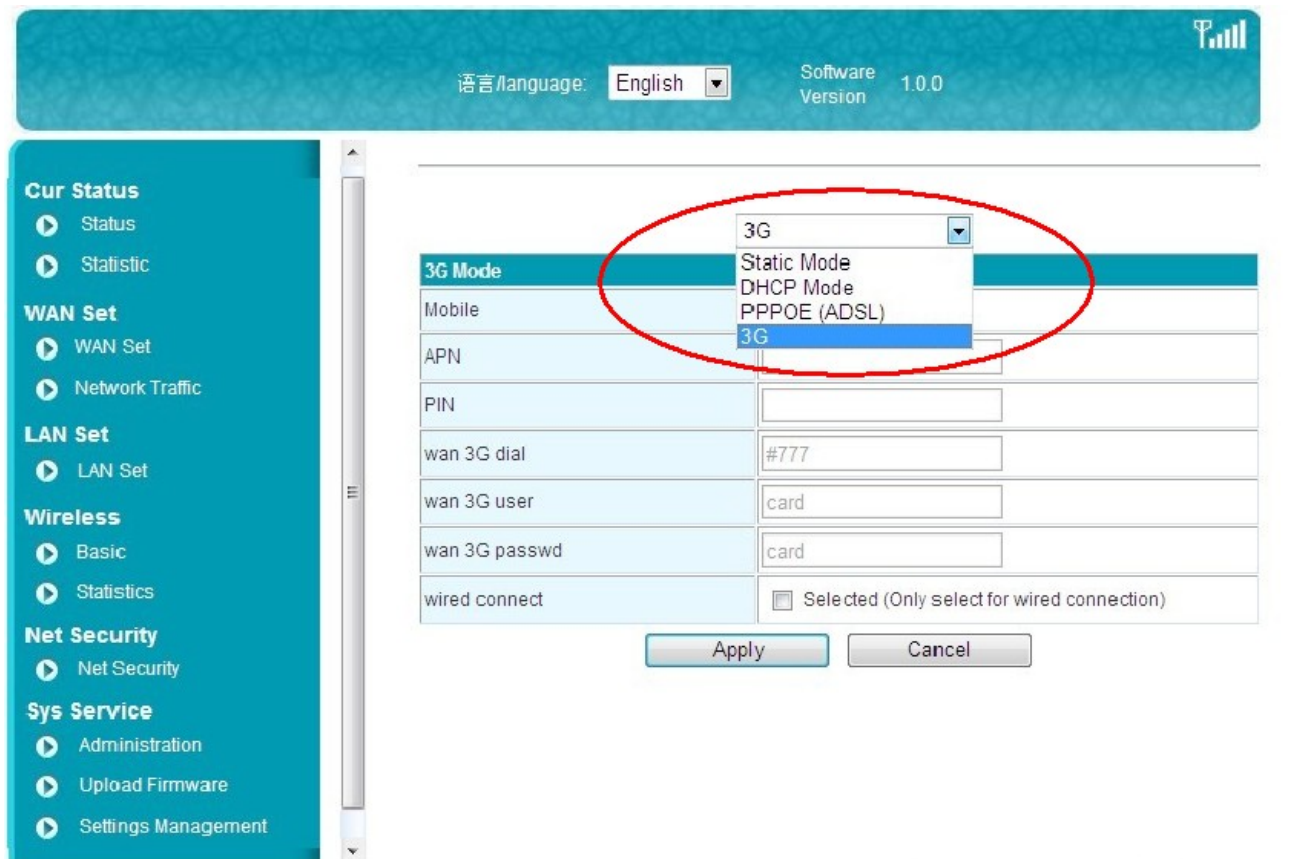
1. Network card functions (Surf the internet with RT9E if the computer does not have a wireless card.)

- 1) Connect the mini USB interface of data cable to RT9E when the device is off (SIM card is necessary);
- 2) Connect the standard USB interface to the computer.;
- 3) After connection, computer identify devices, and guide to install the card driver.
- 4) After installation, click the connect button and the network connects.

2. How to share a wired network

- 1) Turn on the device and connect to the network
- 2) Open the management platform site 192.168.100.1, enter the management page
- 3) Click "WAN settings", change the 3G mode into DHCP mode or PPPoE (ADSL), then click "OK";

As shown below:



- 4) Connect the RJ45 converter into RT9E
- 5) Plug the wired network crystal head into the RJ45 converter;
- 6) Press the power button to turn on the device.
- 7) Search and connect to the Wifi network, then the network can be shared.

3. How to use the storage function?

- 1) Plug the TF card into RT9E
- 2) Connect RT9E to computer with data cable;
- 3) Click "my computer", you can see "mobile disk" that you can click to store anything.

Chap.5: Notes

1. Charging Precautions

- ✧ In order to ensure the normal use of the battery, and extend the life of the battery, shutdown the device and remove the battery if there is no need to use it for a long time.
- ✧ If the battery hasn't been used for a long time, please charge before use.
- ✧ You must use the original battery, the use of the battery of other manufacturers or agents may affect the use or even lead to dangerous. It will Violate the RT9E warranty terms and some relevant national provisions on the communication terminal products .In that case our company won't bear any losses。

2. Environmental matters

- ✧ Do not use RT9E on the relatively sealed environment .After being used for long time the device may become heat as the ambient temperature increases due to the confined space is not conducive to dissipate heat .Please place the device in ventilated area.
- ✧ In order to ensure smooth access to the Internet, it is recommended that place RT9E in areas with stronger signal, such as the windows, etc.。

Chap.6: After-sales service guide and the Warranty Cards

1. Warranty description

According to some relevant provisions, we provide warranty services. If the product damages or can't work under normal use, we promise to provide you warranty services if you present your purchase invoice and the warranty certificate. Host, cable, charger is under one-year warranty , the battery warranty period is half a year, since the date of purchase .

2. Cases do not included in Warranty Services

- 1) Products that out of guarantee period;
- 2) Without purchase invoice or the warranty certificate;
- 3) Sales records, warranty, or maintenance records and is not actual, or altered;
- 4) Damaged caused by any use, repair or maintenance that contrary to the User Guide Manual.
- 5) Damage caused by unauthorized disassembly
- 6) Damage caused by water, damp or mouldy.
- 7) Fault damage caused by the force majeure
- 8) Fault damage caused by other non-product design, non-technology, non-manufacturing, or non-quality issues .

3. The Warranty Cards

The Warranty Cards				
Purchase records	Name	Tele	Add	Post code
	Product name	Product model	Product No.	Purchase date
Maintenance records	Date	Fault conditions	Site	Approach

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.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

SAR Information Statement

SAR compliance for body-worn operations is restricted to belt-clips, holsters, or similar accessories that have no metallic component in the assembly and which provide at least 1cm separation between the device including its antenna and the body of user. End-users must be informed of the body-worn accessory operating requirements for satisfying RF exposure compliance. The highest reported SAR values for body-worn accessory use conditions are **0.826 W/Kg**, respectively.