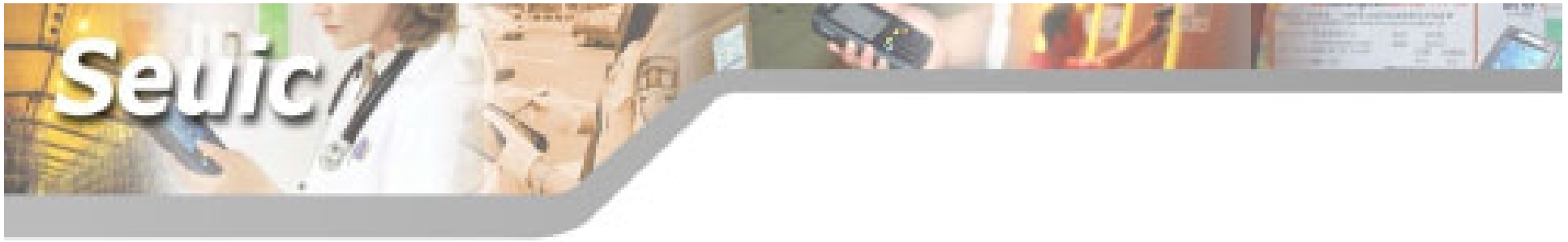

AUTOID6

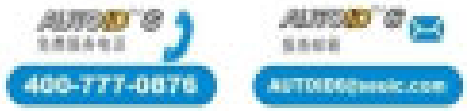
# USER GUIDE

# Catalogue

- Basic function
  - Appearance introduction
  - Input method
  - Charging mode
  - Use of application center
- Data collection
  - Barcode scanning (1D、2D)
  - RFID（HF、UHF）
- Wireless communication
  - WIFI
  - IR
  - Bluetooth




# Basic function



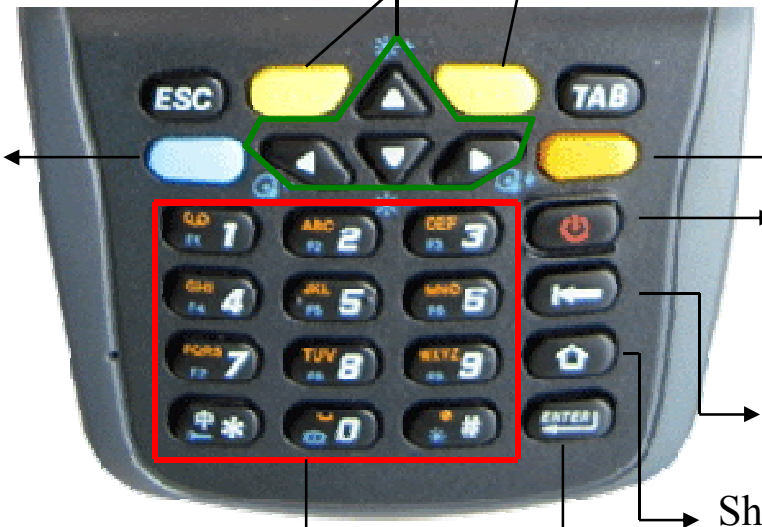
# Hard keyboard introduction

Direction keys

**With the blue function key to adjust the volume and screen brightness**

Scan keys

Side keys, using as scan key and three keys to restart PDA




Blue function key

Orange function key

On/off key

Press and hold the key for 2s

Delete key

Shift key , using for change case

Enter

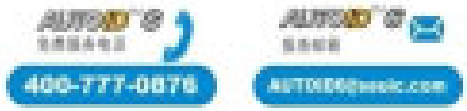
Number、 letter complex keys

With the blue key to set Fn function

Point

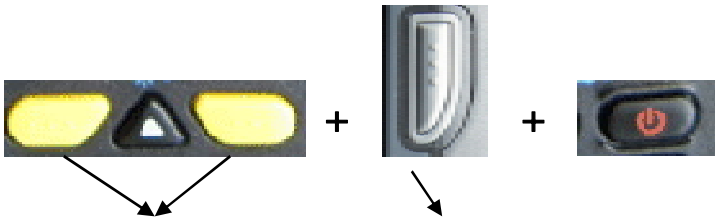
0/space

With orange key can use as symbol key



# Hard keyboard introduction

1.Restart :data in RAM is lost, but the install won't be lost




Press the three keys together and then release. You can restart the machine.

2. Recover the device to default setting:all the programs and data will be cleared except the data on user's memory space.

Refer to the guidebook of default setting for details.

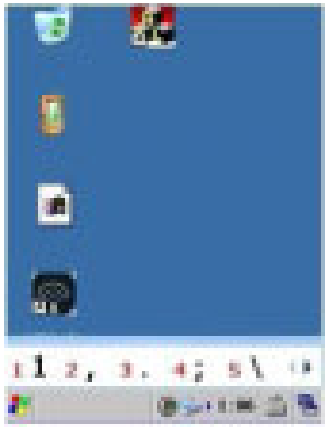
# Hard keyboard introduction

## 3、Use of orange key

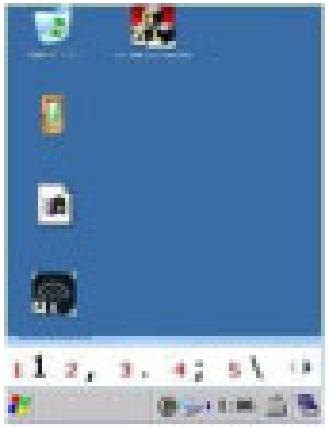
The key is  an input method switch key, press the orange function key, enter the text input

Before pressing the orange key

After pressing the key



After pressing 1 key



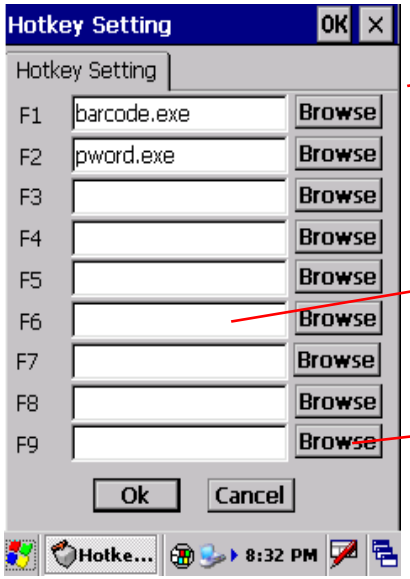
After pressing 2 key

# Hard keyboard

## 3、Blue function key usage

The key function is Fn, press blue key and then press 1,run F1.
Use the arrow keys with the left and right key to adjust the volume up and down keys to adjust the screen

Fn setting : Click into Set-System, click 


Pressing F1 will execute barcode

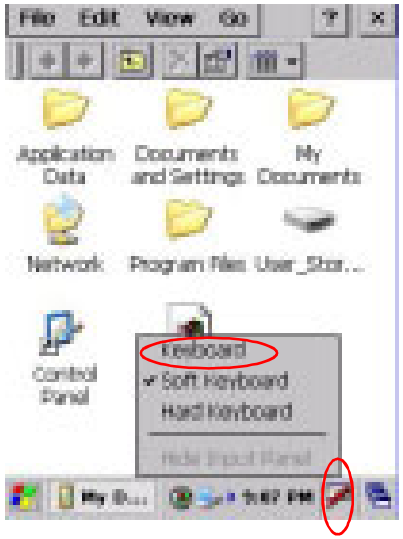
Blank means no hotkey

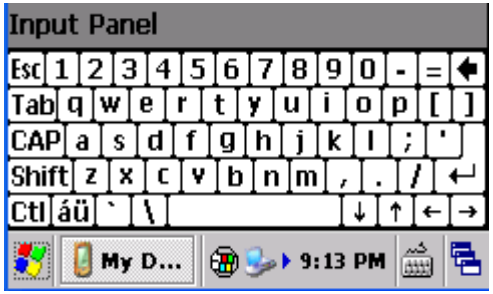
Scanning can set the hotkey

# Input

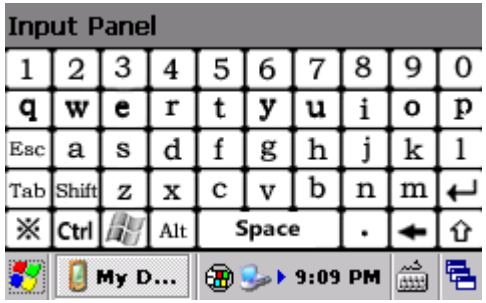
## 1、Input

There are three input methods,such as keyboard\soft keyboard\hard keyboard



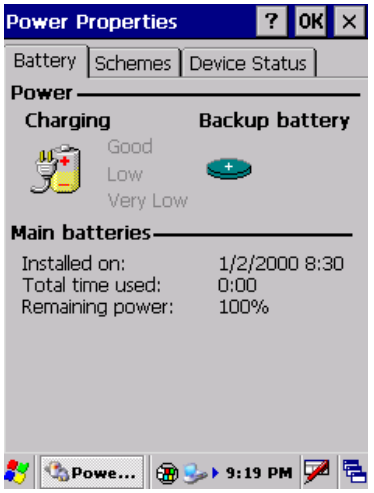

keyboard




Soft keyboard

# Battery indicator and charging

## 1、Indicator




Full

Not full, double click the icon to display the power

Low power

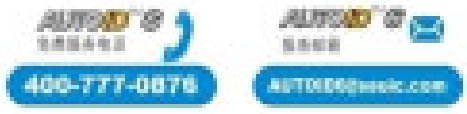
Charging

## 2、Charging methods

End plug charging charging time： 2-3h

Base charging charging time： 2-3h

Portable charger charging time： 4-5h



## 3、Cradle introduction

When the PDA is being charged, PDA's red light means charging, green light means full.

When the battery is being charged in cradle compartment, the middle light will turn the red to green light.

Attention:

1.The three light-emitting diodes in cradle from left to right are power entry、 charging indicator、 USB data connection indicator.

2.When the battery will charge fully, the charging LED will turn out for a short time.

RS232

USB1.1

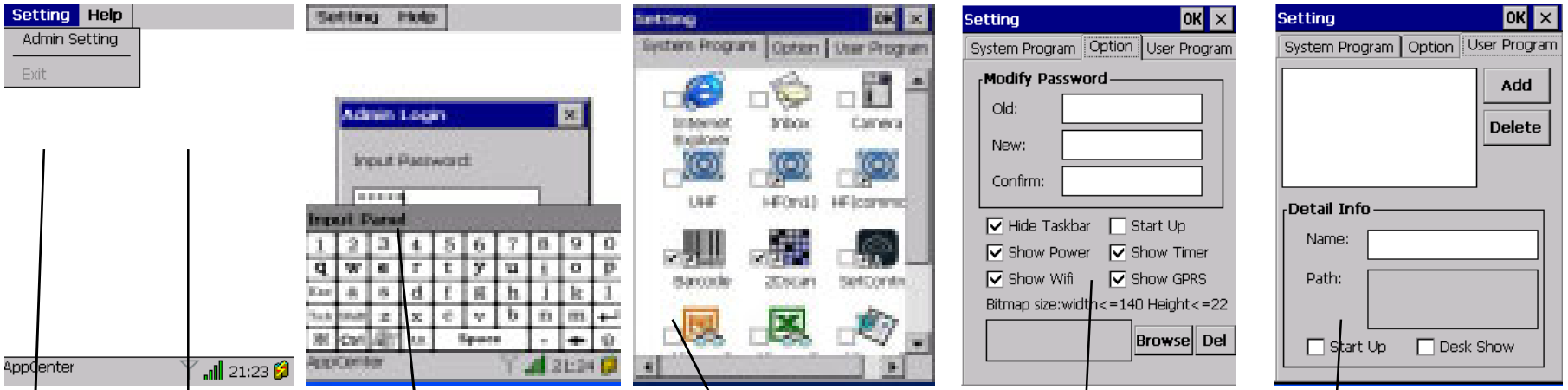
Both PDA and battery charging

Optional BT function

# AppCenter

Open the AppCenter ( path: Start-Programs- AppCenter )

You can set the AppCenter. Default password is " seuic "



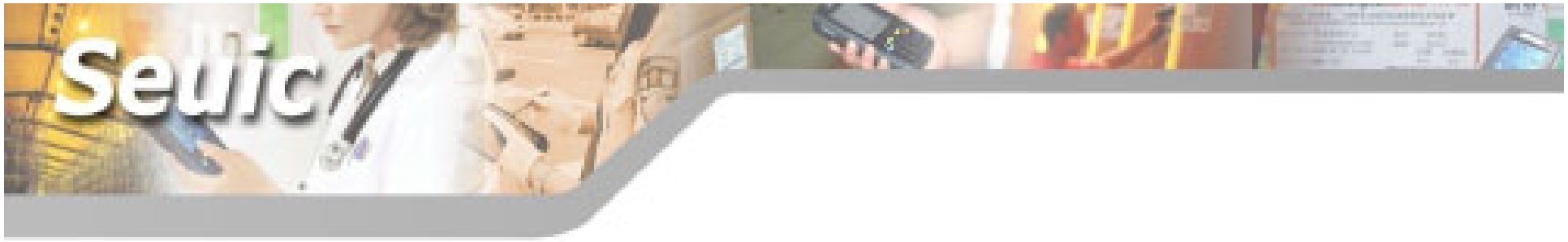

Enter into management setting

Display the opened software

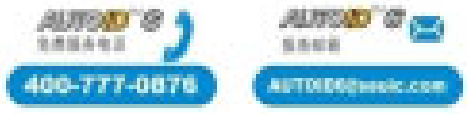
Enter the password → Software authority management

Modify the password

Set boot from the start

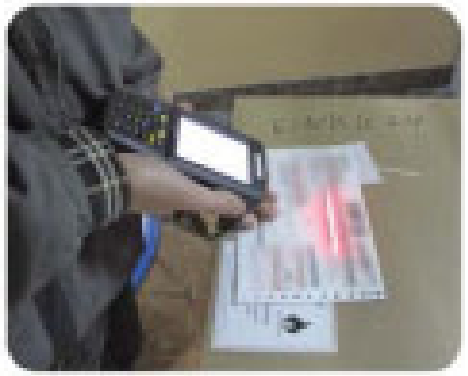



# Data capture



## 1D scanner parameters

- TYPE： MOTO（symbol）-SE955
- Optical Resolution: 0.004in（4mil）
- Scan Rate: 92scans/second to 116scans/second
- Scan Distance: 2cm to 100cm
- Rotation Angle: 5in±35°（100%UPC）
- Tilt Angle： 5in±65°（100%UPC）
- Skew Tolerance: ±50°（100%UPC）
- Ambient Light: Natural light:10,000ft. Candles(107,640Lux)
  Artificial light:450ft.candles(4,844Lux)
- Scan Angle: 47°±3°(standard)
- Laser Power: 1.7MW±0.2MW(standard)
- Support：
  UPC-A，UPC-E，UPC-E1，EAN-8，EAN-13，Booklan
  EAN，Code-128，UCC/EAN-128，MSI，ISBT 128，
  Code 39， Trioptic Code 39，Code 93，Code 11，
  Codabar， ITF-14，RSS-14。



# 1D Scanner

Settings


Click this will close the 1D scanner

Hide the 1D scanner

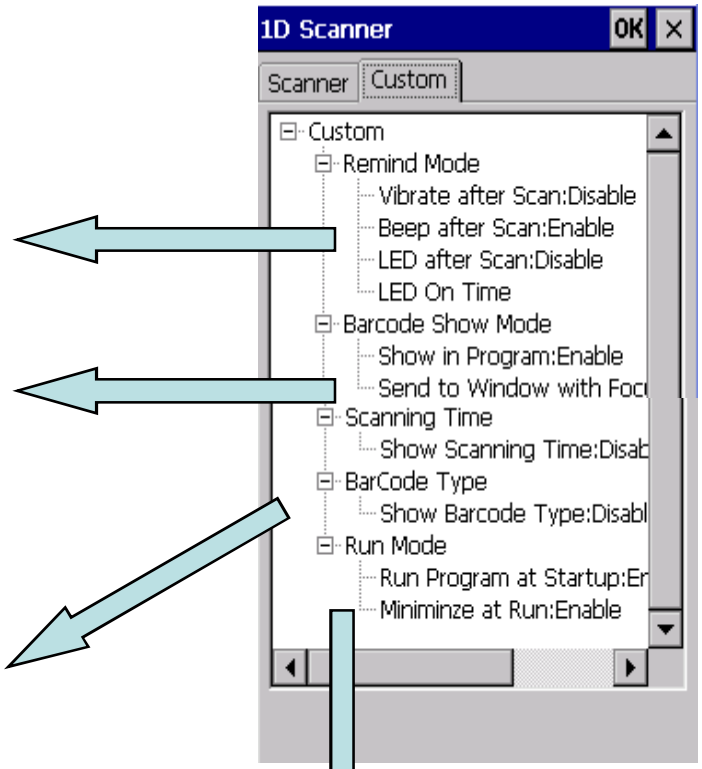
# 1D Scanner

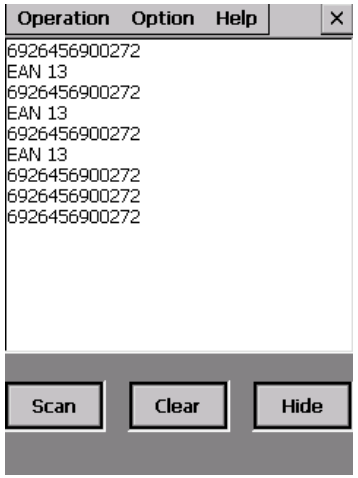
Setting barcode type
Suggest not modify

# 1D Scanner

Set remind mode

Set barcode show mode




Set run program at startup

# 2D Scanner

Enter into “AppCenter”,click 


Start the 2D scanner

# 2D Scanner

Clean the barcode information in the screen

Image capture function can capture black and white pictures

Recover to default settings

Save the modified settings
Attention: each time modify Parameters, click saving

Hide the 2D software


Exit

# 2D Scanner

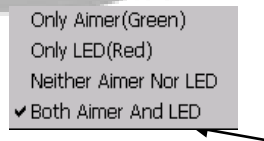
Set automatic and auto scan delay


Set the time interval


If you want to output the code to txt or excel, you need to choose Clipboard or Simulate Key

# 2D Scanner

1、Set scaner light general select Both aimer And LED

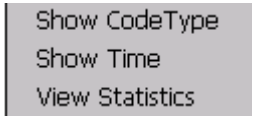


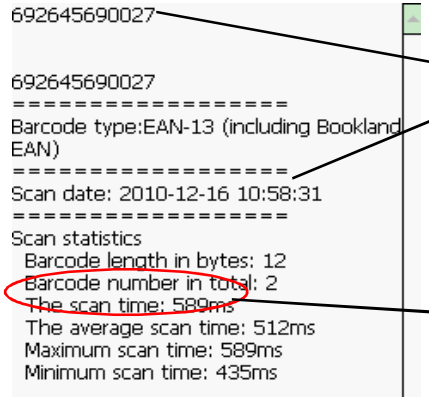

2、If code is white, background is black. Please select Enable Colour Reverse

3、Scan mode： general " standard ".

4、Set the scan prompt

5、Display code information




Cancel all display information

Select all display information

Reset Statisitcs can clear it



6、Barcode type open or close

7、Barcode configuration recovery

8、Hide the 2D software

# RFID—HF module parameters

## HF (Mstar):

- Read and write tag: support ISO15693、ISO14443A/B（Without encryption protocol)、ISO18000-3 protocol
- Read and write frequency: 13.56MHz
- Read and write distance: 0-6cm (write distance slightly less than read)

## HF (M1):

- Read and write tag： ISO14443A(encryption protocol)（Mifare one S50,S70 and other compatible tag）
- Read and write frequency： 13.56MHz
- Read and write distance: 0-6cm (write distance slightly less than read)

# RFID—HF ( Mstar usage)

**Top back space is read and write area**

1、Enter into AppCenter then

click 


2、Click " Connect" then display " Connect success ".

3、Click " R/W Test " then display " R/W Test OK ".

# RFID—HF ( Mstar usage)

4、Click " Tag Read " enter into read and write operation

# RFID—HF ( Mstar usage)

5、Click " Read " can read tag number、protocol type、 read times, as the right figure

6、Click " READBLOCK " can read data in the tag

7、Click " WRITEBLOCK " can write data in the tag

Attention: this is just a demo software

# RFID—HF ( M1 usage)

**Top back space is read and write area**

1、Enter into " AppCenter ", click start the software

2、Clicking “ReadID” can read tag number

3、Select “Section” and “Block” ， click “ReadCardData”

4、Clicking “WriteCardData” can write data in the tag


**Attention:Not every section nor block can read and write,for example section 0 and block 0 can only read**

# RFID—UHF(common) module parameter

- Read and write tag： support ISO18000-6C、EPC CLASS1G2 protocol
- Read and write frequency： 902-928MHz
- Transmit power: 20-26dBm (adjustable)
- Read and write distance :0-150cm (write distance slightly less than read)
- Multiple tag read: support

Read and write optimum position:45°

# RFID—UHF(common) module

1、Enter into “ AppCenter” , click 


2、Click " Start_List" can read tag number、read times, as the right figure

3、Click "Stop_List", then click “Read Card” can read the data in tag

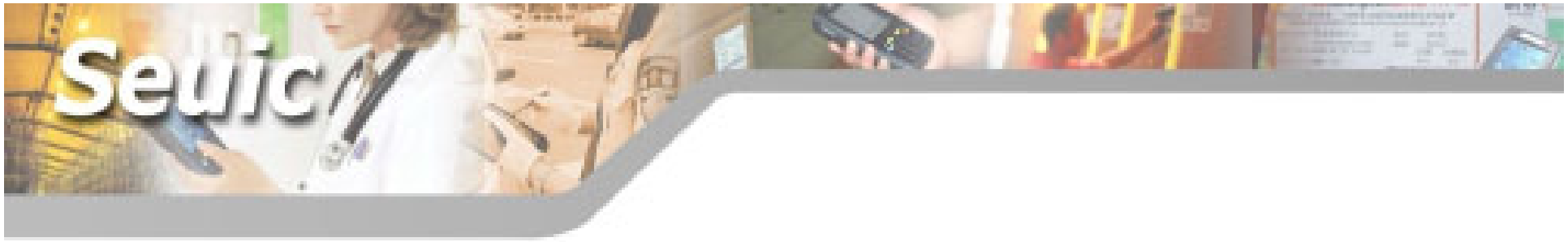
4、Click "WriteCard " can write data in tag


**Power setting:**
**20-26dBm**

**Address setting:**
**00 RESERVED**
**01 EPC**
**10 TID**
**11 USER**

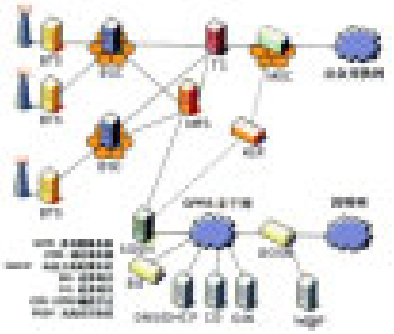
**Reading many tags，select the option**

Attention :This is just a demo software.




# Wireless communication

# Wireless technical parameters



## WLAN--------WiFi

- standard: IEEE802.11b/g
- Data rate : 802.11b 11Mbps
  802.11g 54Mbps
- Frequency range: 2.4/2.5GHz
- safety: WEP、TKIP、LEAP、PEAP、EAP-TLS、WPA、WPA2、AES

## WPAN--------Bluetooth V2.0+EDR

- Data rate: 2Mbps
- frequency: 2.4GHz
- standard: IEEE802.15.1

# WiFi

1、Open hardware:  Enter into “Wireless Manager”, if display “Disable”, means hardware is open.If display “Enable”, click it to open the hardware.

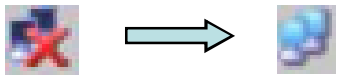

Attention:  You don’t need to do the operation next time you start the PDA.

2、Set IP address: If you need to set fixed IP,enter into “Control Panel” , click “Network and Dial-up connections”, click “WIFI”.

Attention: You don’t need to do the operation next time you start the PDA.

3、Connect a network: Double click the red circle, click “Wireless information” .

Double click the network you want to Connect, and set the net parameters

Connect a network ok

4、Wi-Fi Manager： click red circle icon

,start the Wifi manager


Display the current state and parameters

WIFI icon means:

- No WiFi module。
- WIFI module disable
- No AP single around
- There is single around,but not connection
- PDA has connected with AP

5、Ping test: click“ping”， click “Start” will do the Ping operation.

The more data lost,the worse performance

Attention: Some gateway and AP can’t allow to ping operation.

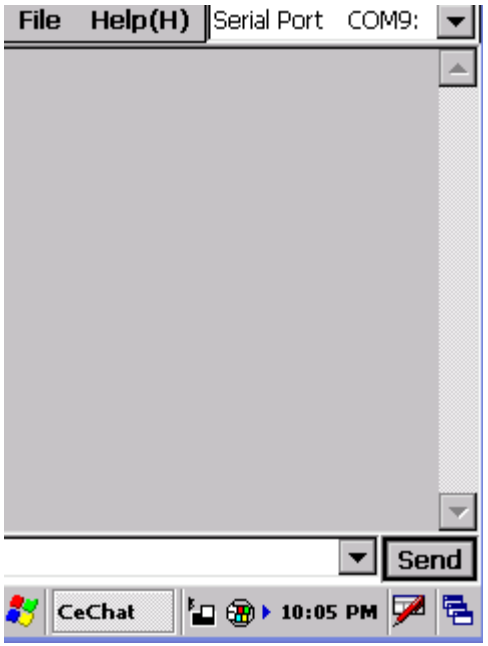
6、WIFI Config： Set Power Save/Roam Trigger/Roam Delta/Roam Period


Power Save:Set power save mode,the more power saving,the worse performance

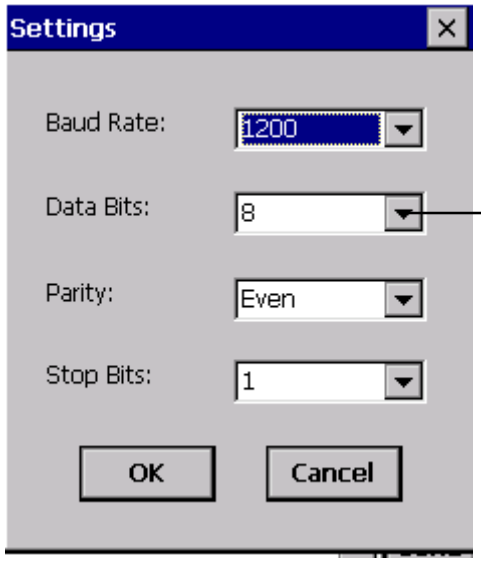
Roam Trigger:Setting roaming switching values

# Infrared(power not control in old version)

1、Click“ -“Run”， input “ cechat”， click OK




2、Serial Port select COM9,click “file” -“settings”, set the communication protocol. The Baud Rate:1200 or2400.The port communication protocolmust the same as the IR device settings.As the below figure




Set parameters as you need

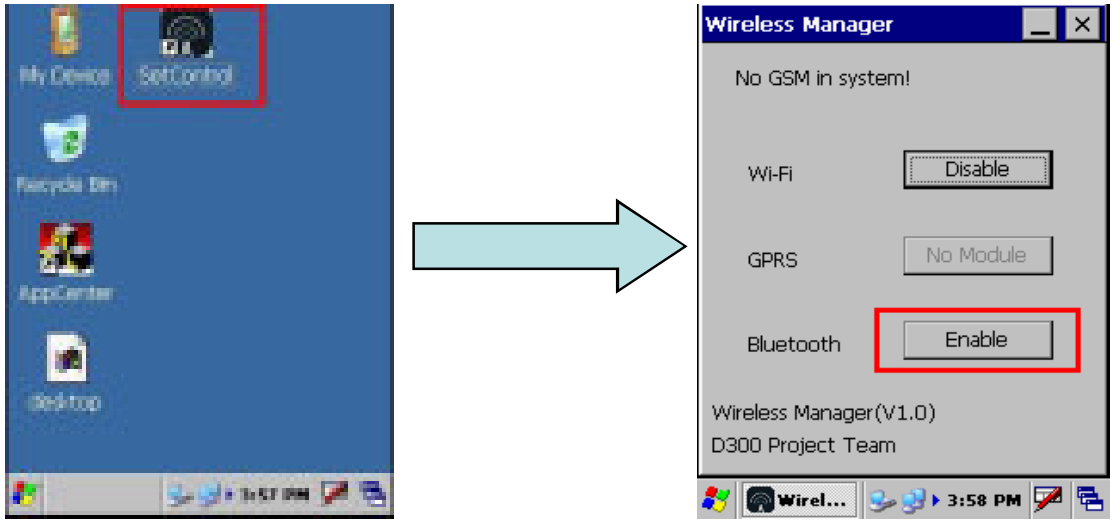

# Infrared(power control in new version)

**The latest infrared machine is controlled by power in receiving data. So we need two infrared machines to test infrared communication ,which need users to write a demo programe.**

The development method of infrared is as follows
on():open the power control
off():close the power control
SetRecvState():set infrared to receive
SetSendState():set infrared to send

# Bluetooth function

1、Open hardware：Enter into “Wireless Manager”， if display Disable”, means hardware is open.If display “Enable”, click it to open the hardware.




Attention：You don’t need to do the operation next time you start the PDA.

# Bluetooth function

2、Enter into Windows file, start the PrintUI software, just as the right Figure. Attention: just start one PrintUI

# Bluetooth function

3、Connect other bluetooth device

Click “Inquiry”, other bluetooth devices around will display in the text box.Select one bluetooth device,click OK

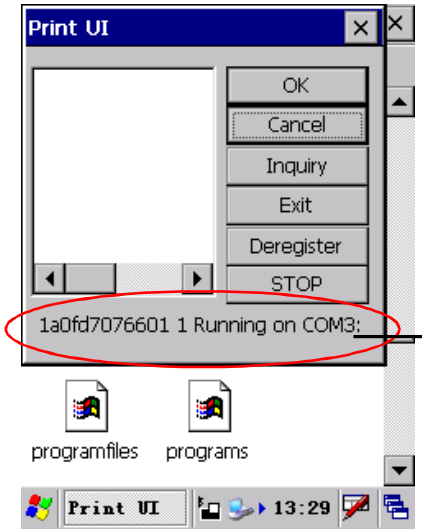
Attention:The inquiry is over when the top left corner appears "Print UI",and during inquirying,don't do other operations.


Inquirying

# Bluetooth function

4、Connect bluetooth device

You need to input the Select Channel number




Connect successful

# Bluetooth function

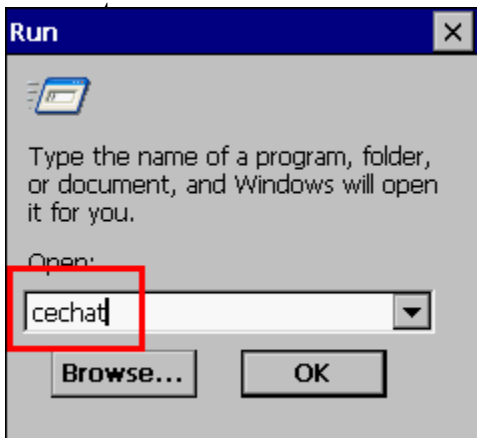
5、send and receive data:

You can send and receive data by using cechat.

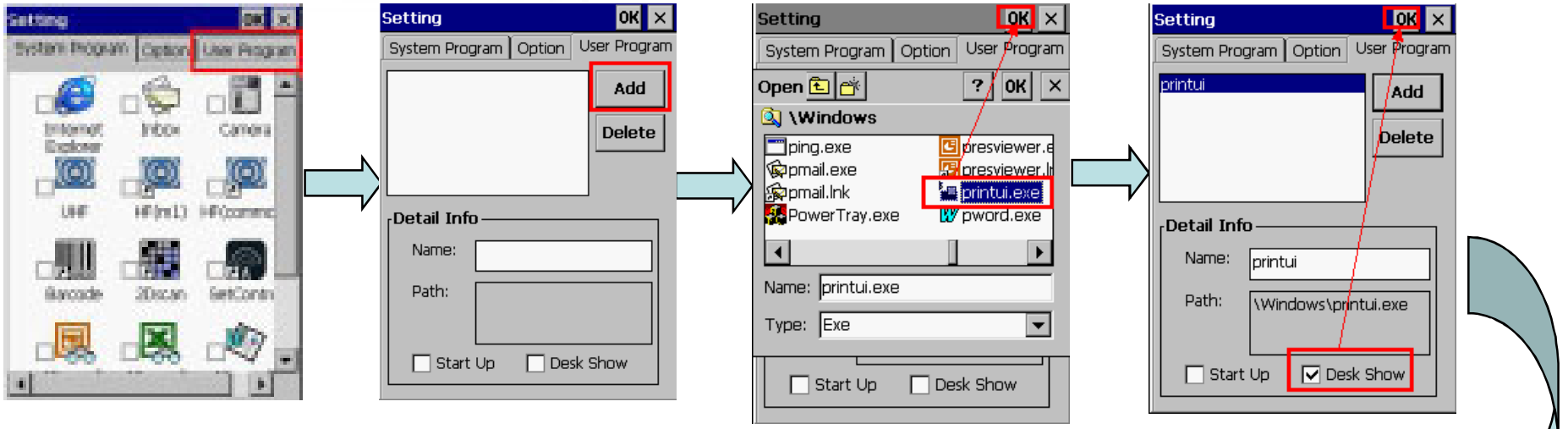
You should copy the cechat software into PDA,then start cechat.Serial Port select COM3.Then you can send and receive data.

Or:by below pathway:

Start-run input”cechat”,then




# Start Bluetooth in AppCenter

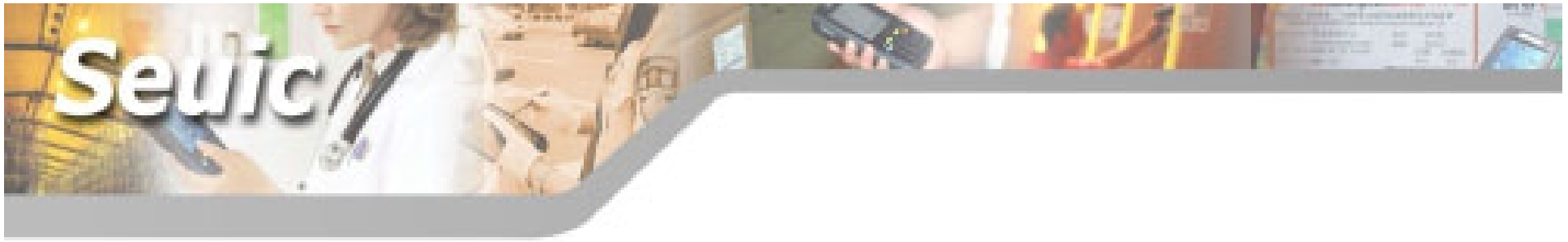



1.Enter into application management, choose the third party program management.

2.Click “add” button.

3.Look for “printui”in windows files, click ok.

4.Choose “show on the desk”, click ok.



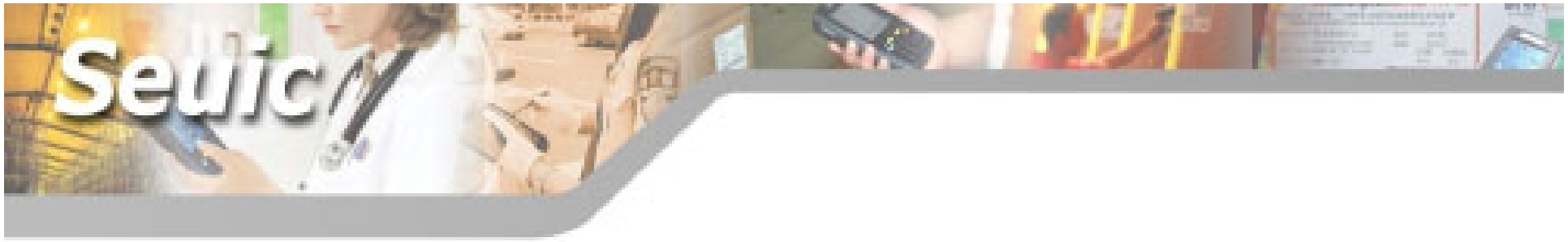

**FCC Radiation Exposure Statement:**

**This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.**
**This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.**

**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.**

**This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:**

**(1) This device may not cause harmful interference, and**
**(2) this device must accept any interference received, including interference that may cause undesired operation.**




# *Thank you!*

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**URL: www.seuic.com**
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