



Handset RFID Demo instructions

Version 1.0

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1 operating environment:

Handset RFID program is running in wince5.0 or 6.0 or above, and handset must install [.NETCompactFramework](#)

2 install, set, run:

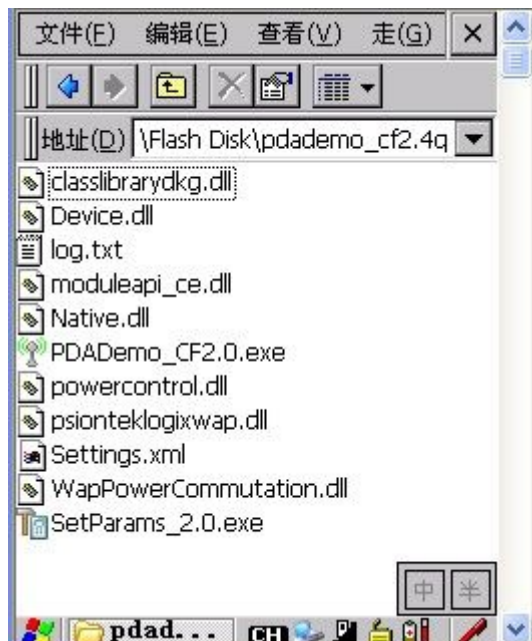
2.1 install

PDAdemo folder include all need files, open ActiveSync software first. where handset had connected to PC, it would auto show the window as follow:



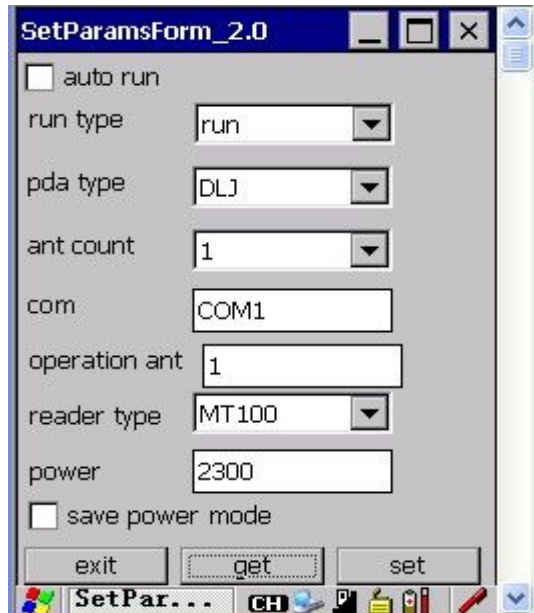
Copy the PDAdemo to the path you want.

Open the folder, you would see files as follow.



2.2 set

Double click SetParams_2.0.exe,click the “get” button, would get.



Run type: run, debug, update

PDA type: the new type that is not list, please let pda type empty.

Antenna count: show the rfid antenna ports.

Com: serial port number

Operation antenna: show the one which connected

reader type: MT100, MT_ONEANT,M6_A7_FOURANTS

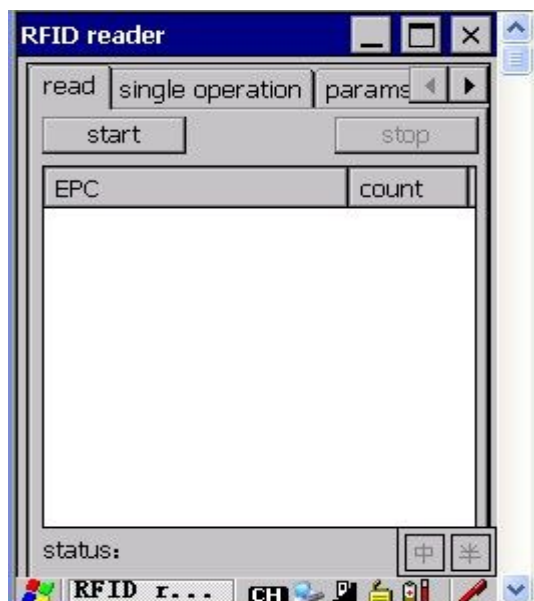
power: power value

please click “set” button if you change value, then exit.

2.3 run

Double click PDAdemo_CFXX.exe, will start program.

If set right, show as follow:

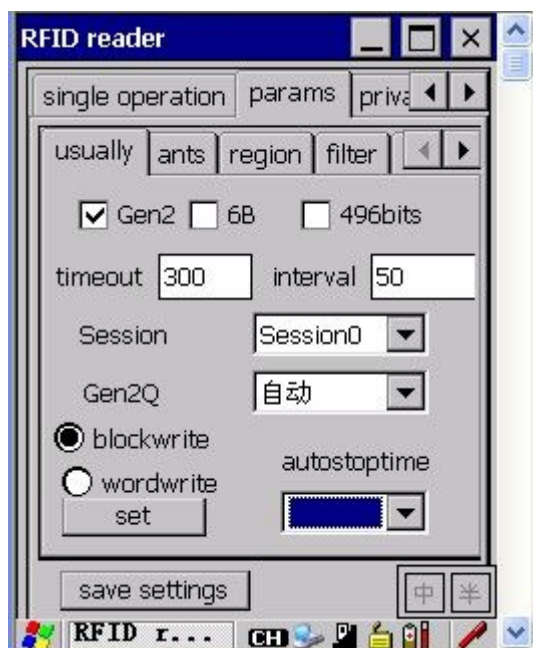


Picture 2

You could read,write,lock or initialize tag operation on this window. As example, you would set an antenna to operate first where want to read a tag EPC ID.you could choose one antenna according to the connected antennas. As ANT1,ANT2, ANT3, ANT4. then set the EPC bank, start address:2, block count:6, click “ read” button to finish. Then you would see read data show in the box. It would show status on tab “status”. The write operation is like read. Set antenna,bank,start address and block,then click “write”. Lock operation, as example, to lock EPC bank as temporary. Select bank as EPC bank,lock type as temporary type. Then click “lockbank” to finish. All the operations will select an antenna before you to operate to a tag. And if you lock a tag, you would set the access password first, the way is that: start address:2,block number 2, input 8 hexadecimal numbers(not all 0) as password, click “write” button to finish setting password. You cloud unlock a tag after it is locked temporary.

5 reader params

Select tab “params”, window as follow picture 3



Picture 3

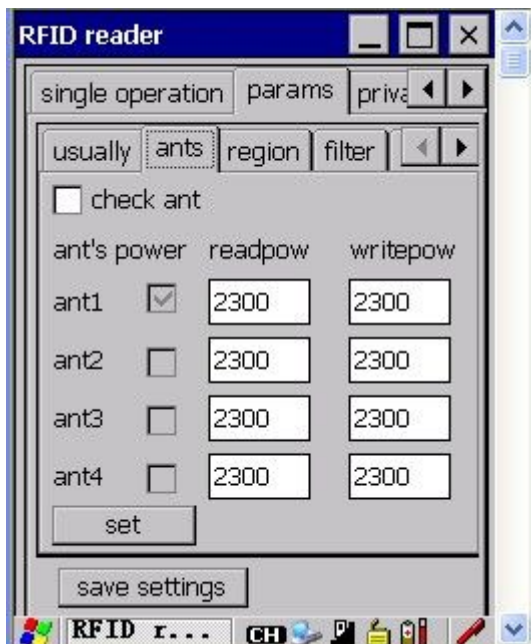
The tab “params” have children tabs,as “usually”, ”antennas”, ”region”, ”filter”, ”system” and so on.

5.1 usually

In this tab as picture 3.you could select protocol, gen2 or 6B protocol. Timeout and interval are be milliseconds. Session’s value is session0, session1, session2, or session3, Gen2Q is dynamic or static value, then you could select block write or word write, click “set” button to finish. if you want to save the setting please click save settings.

5.2 antenna parmas

Select tab “antennas”, window as follow picture 4

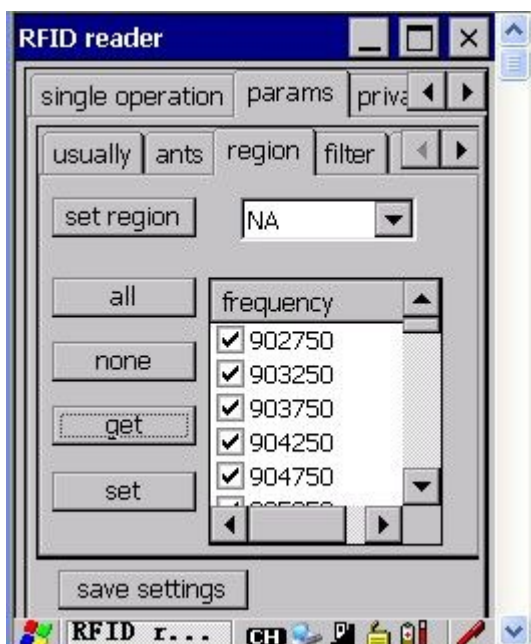


Picture 4

In the antenna parmas, you could set each antenna's read power and write power according to different rfid reader. M6e is between 500 to 3000, m5ec or mt100 is between 1000 to 2300, click "set" to finish setting power, if you want to save the setting please click save settings.

5.3 region frequency

Select tab “region”, window as follow picture 5



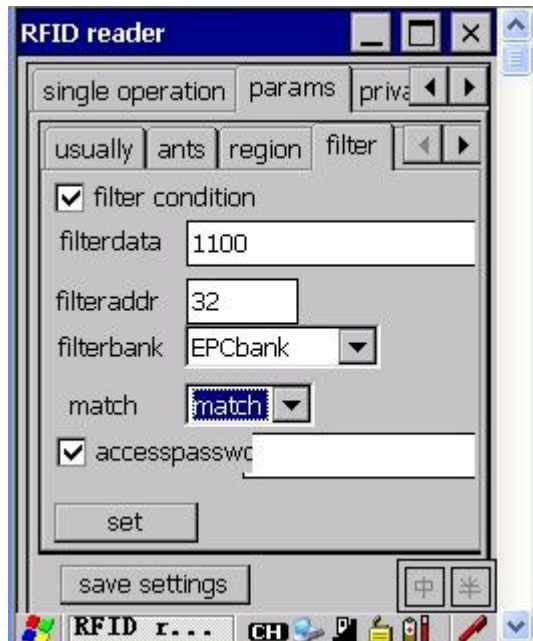
Picture 5

In region, you set region first. As example, NA, click “set region”, then you could click “get”

to get frequency of NA region list in the list box. You could select the frequency which you want to set. Click “set” after you select, if you want to save the setting please click save settings.

5.4 filter params

Select tab “filter”, window as follow picture 6



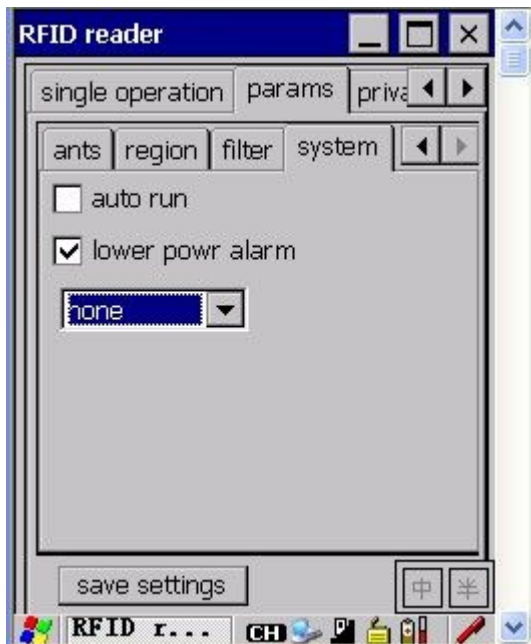
Picture 6

Sometime you want to the special tags, now you could filter the tags with conditions. In the filter params, you could set filter condition and access password. For example,you filter the tags with EPC bank start with 0xF, then you input filter addr:32, filter bank: EPCbank, the filter data that is binary data with “1111”, match: match.

If the access bank is locked, you must be provide password if you want to write it. Default, the password is 0x00000000, you set password with 8 hexadecimal character not all zero. select the checkbox, then click “set” to finish it.

5.5 system params

Select tab “system”, window as follow picture 7

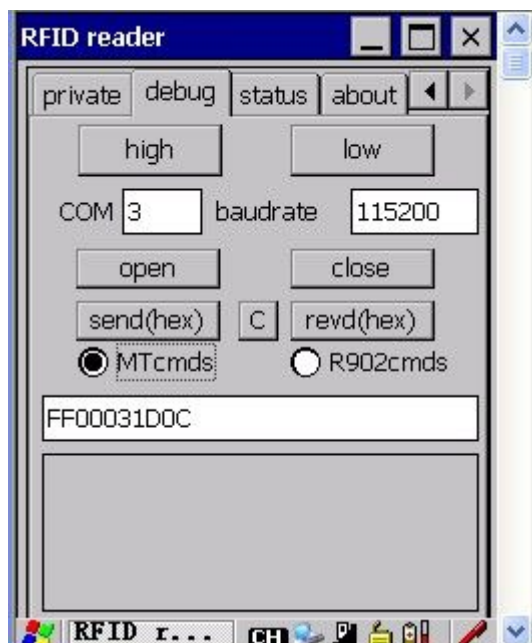


Picture 7

In the system params, could select whether auto run on starting up. Could select whether auto run and low power alarm. The functions is set according to particular case.

6 debug

Select tab “debug”, window as follow picture 8

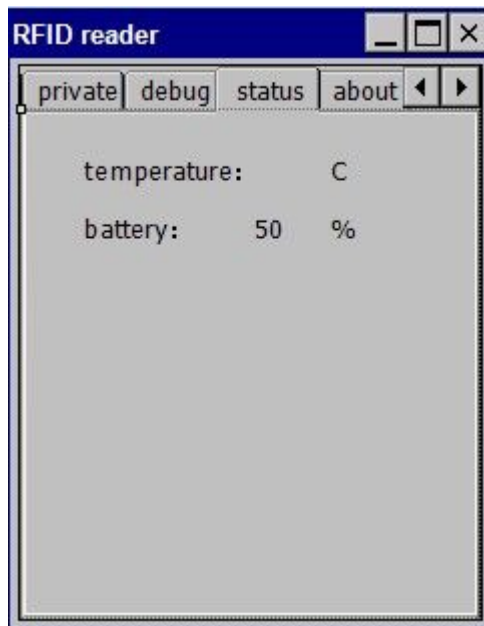


Picture 8

This function is only used for debug rfid reader.

7 status

Select tab “status”, window as follow picture 9

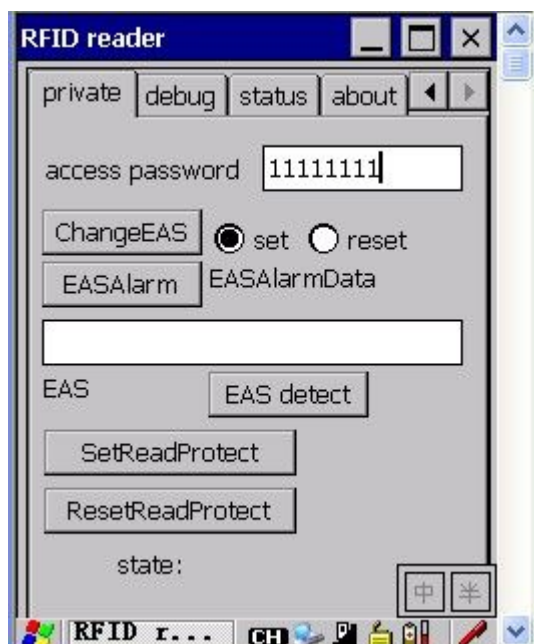


Picture 9

This window show rfid reader's temperature and battery.

8 private command

Select tab “private”, window as follow picture 10



Picutre 10

You would input access password before you ChangeEAS or EAS detect. Of course,you must set

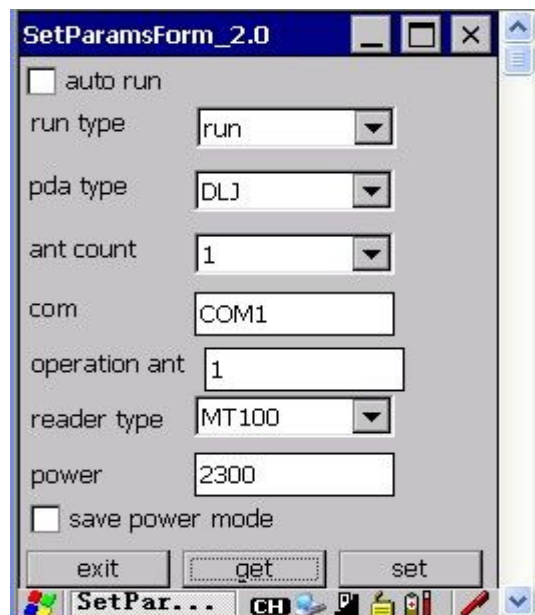
access password first.

9 appendix

Set params instructions

set params

as follow:



Use SetParamsForm to set start RFID reader params.

Run type, usually select run, if you want to update the reader firmware select update, and you select debug to debug command for reader in the debug tab. Pda type have some type, DLJ (COM1), FZYH_BC(COM2), KM(COM2), RDTM, FZYH_BL(COM3), JST(COM4).

If the type is new ,let this empty. Antenna count according to the ports of reader. For example, have only a antenna port, then you select 1. serial port number according to the pda. Operation antenna set the antenna to operation in single tag. The antenna is must be connected. Reader type ,select the right type you know. Power:, reader is mt100 or m5ec that power is between 1000 to 2300,could't over it. Unit is centi-dBm. If you want the reader be save power mode ,click it. Click "set" to finish it. Click the "exit" to exit the program.