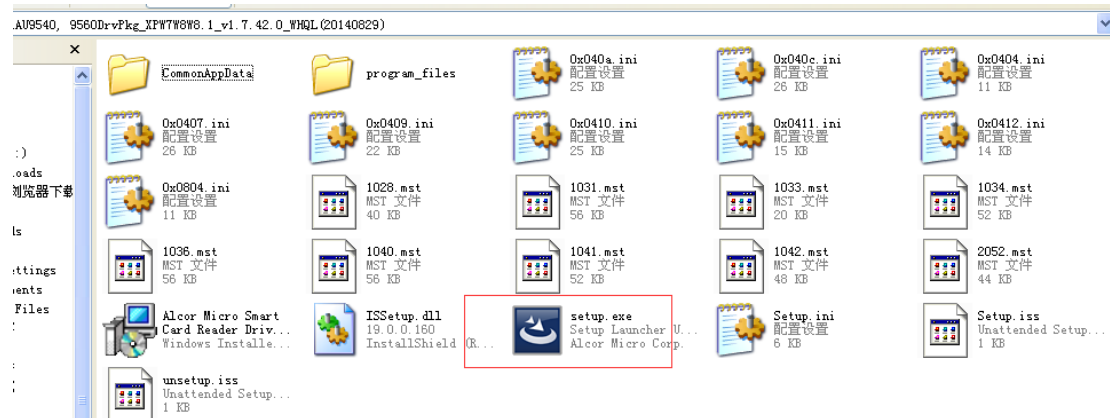
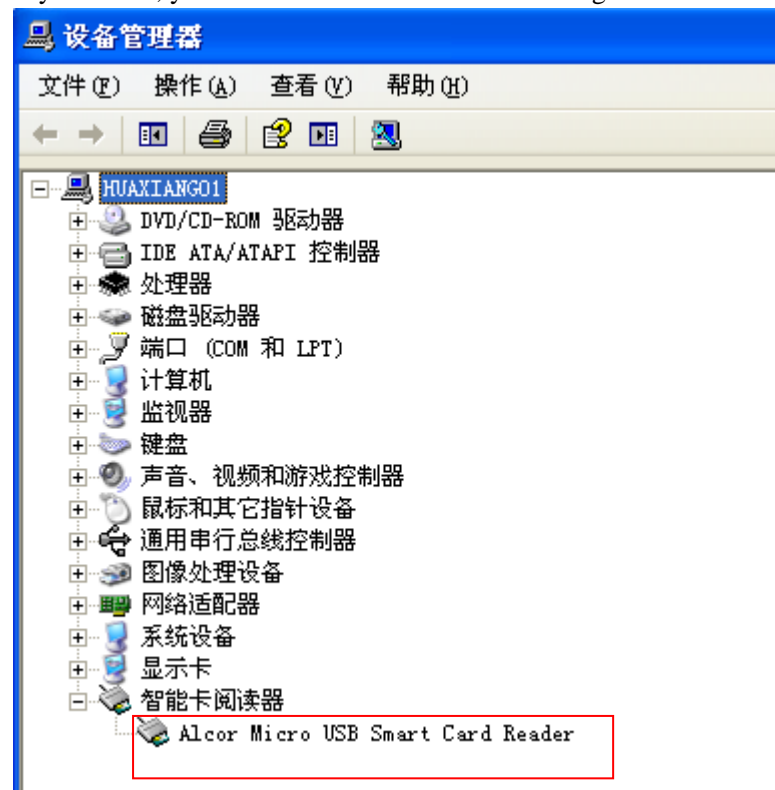


N99 Smart Card Reader Operating Instructions

1、Please Install the driver



If you install, you can see the drive in Device Manager, As shown



2、Please insert the correct chip card, the chip upwards and insert into the reader,as shown



3、 Please open the test software AU9540-GBS_Demo.exe



When you open the test software ,you can see the picture ,as shown.

AU9540 Demo AP V1.3.1.0 DLL Version: V1.41

Alcor Micro USB Smart Card Reader 0

Reader Info

VID: PID: Serial Number:

Manufacturer: Product: **Get Reader Info**

Slot

ATR String:

Protocol Type:

Asynchronous Card

APDU

EEPROM Card

AT24C

Synchronous Card

SLE4418/28 AT88SC

SLE4432/42 InPhone

AT45D041 SLE6636

AT88SC102

VID:9562 Year:2013 Month:01 Day:21 Ver:0115

4\ click the “Get Reader Info” to get the informations „you can see the VID and PID , The original password:’FFFF”,as shown

AU9540 Demo AP V1.3.1.0 DLL Version: V1.41

Alcor Micro USB Smart Card Reader 0

Reader Info

VID: PID: Serial Number:

Manufacturer: Product: **Get Reader Info**

Slot

ATR String:

Protocol Type:

Asynchronous Card

APDU

EEPROM Card

AT24C

Synchronous Card

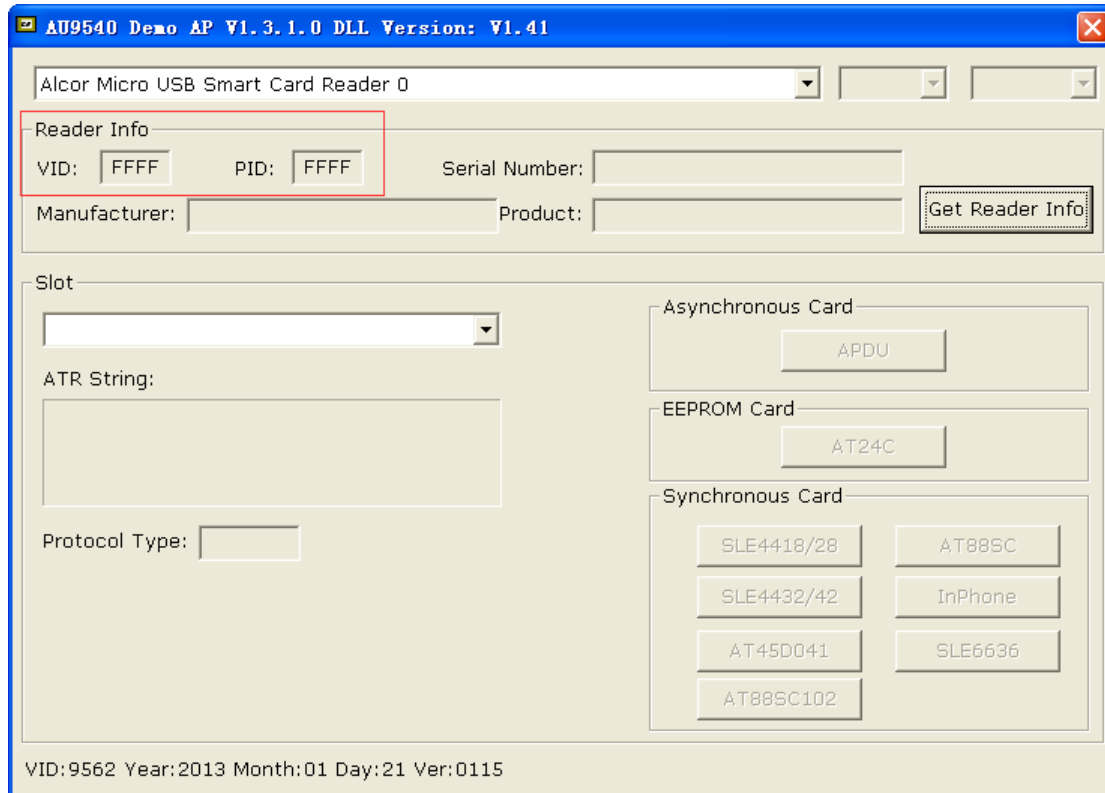
SLE4418/28 AT88SC

SLE4432/42 InPhone

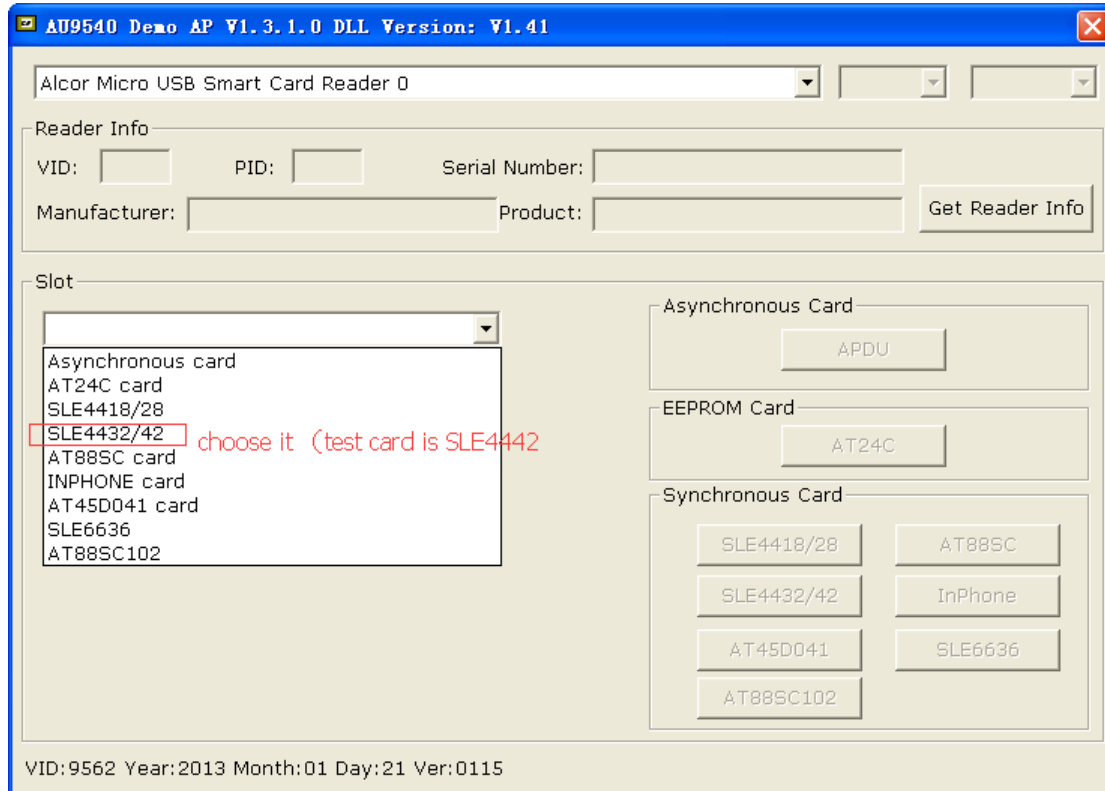
AT45D041 SLE6636

AT88SC102

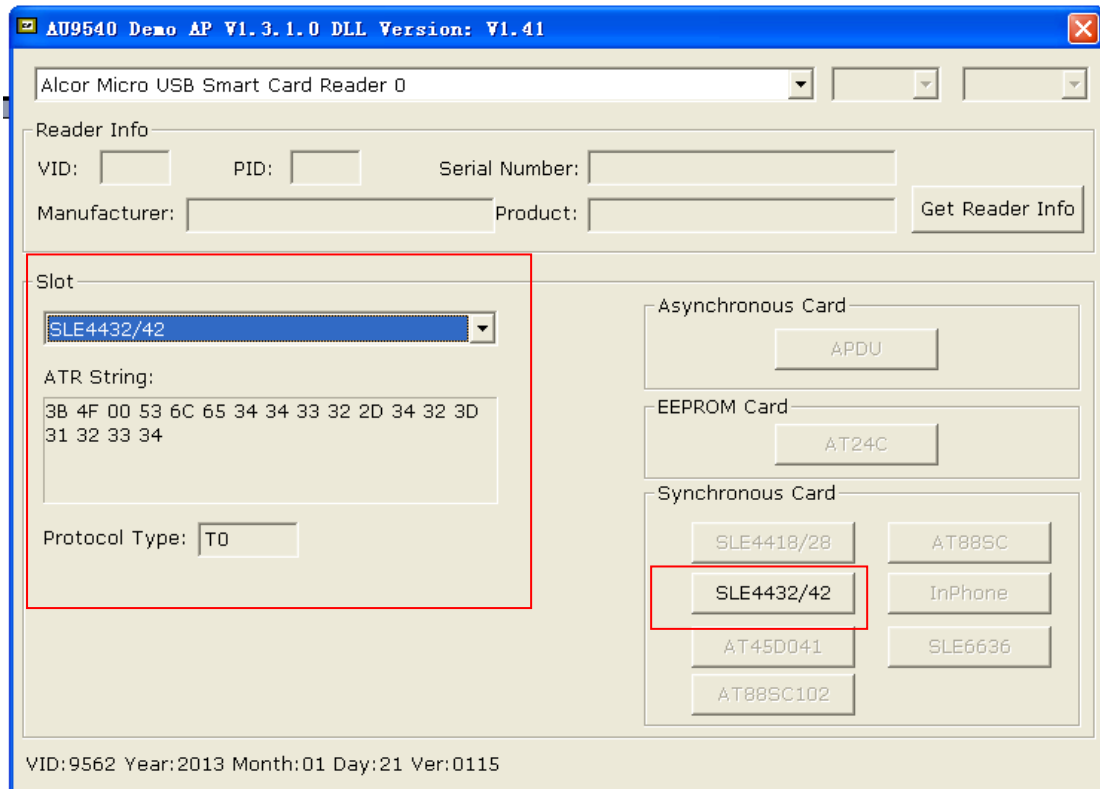
VID:9562 Year:2013 Month:01 Day:21 Ver:0115



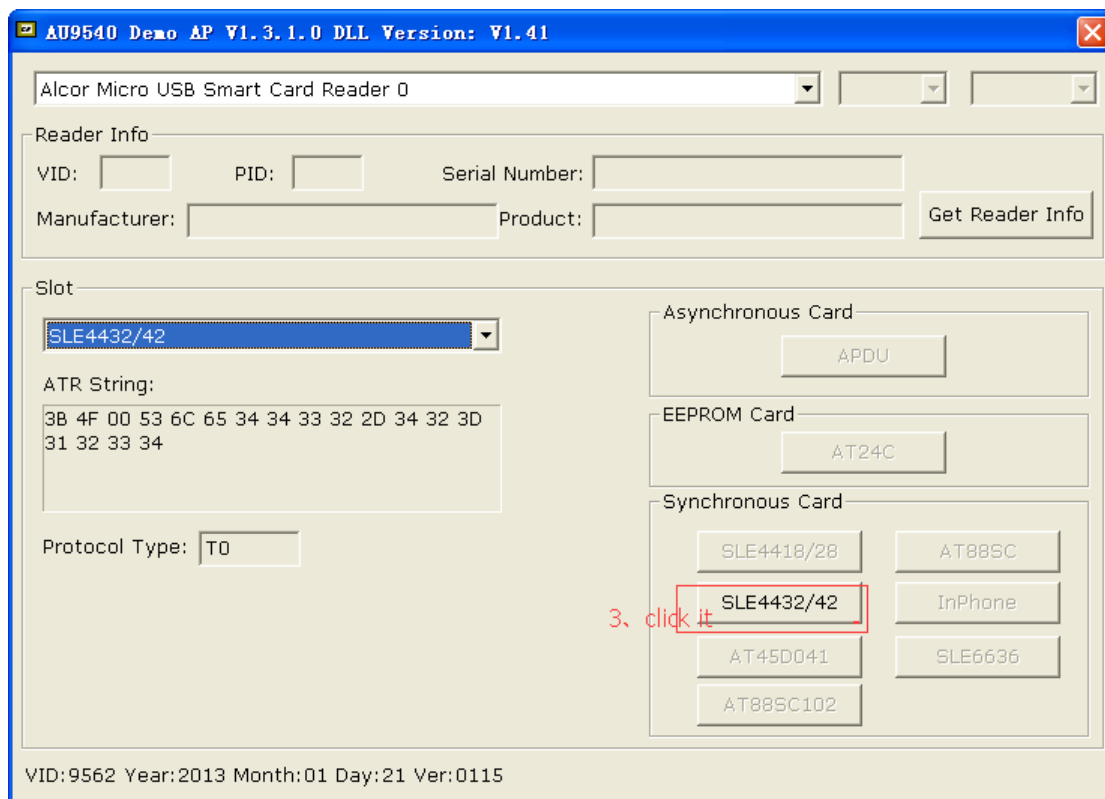
5) please choose the chip card from the Slot. (the test card is SLE4442 chip card which we provided)



When you choose the right chip card, you can see the information of ATR String and Protocol type, The corresponding button will start, as shown



6\Click the SLE4432/42 into the User interface



You can see the pictures

Synchronous Card Control (SLE4432/42)

Initialize
PIN Number: FF FF FF
Verify
Change

Command	Addr	Data	ReplyLen
Read Main Memory	0	0	FF
Update Main Memory	0	0	0
Read Protection Memory	0	0	4
Write Protection Memory	0	0	0

===== SLE4442 Only =====

Read Security Memory	0	0	4
Update Security Memory	1	0	0
Compare Verification Data	0	0	0

Card Response:

Main-Memory-Operation
Address : 0x0 Length : 0x0 (length<=0xFF-address)
Data : string

Write MM
Read MM
Write Protect
Clear

8\Please click the initialize,you can see the card response, as shown

Synchronous Card Control (SLE4432/42)

Initialize 4, click it PIN Number:

Command	Addr	Data	ReplyLen
<input type="button" value="Read Main Memory"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="FF"/>
<input type="button" value="Update Main Memory"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="button" value="Read Protection Memory"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
<input type="button" value="Write Protection Memory"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

===== SLE4442 Only =====

<input type="button" value="Read Security Memory"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
<input type="button" value="Update Security Memory"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="button" value="Compare Verification Data"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Card Response:

Initialize Card successfully!
 ATR : 3B 4F 00 53 6C 65 34 34 33 32 2D 34 32 3D 31 32 33 34
 The protocol is : T0

Main-Memory-Operation

Address : 0x Length : 0x (length<=0xFF-address)

Data : string

Then ,we need to Load the password into the card,if the password is Wrong,the card don't be readed.as shown

Synchronous Card Control (SLE4432/42)

Initialize PIN Number: Verify Change

Command	Addr	Data	ReplyLen
Read Main Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="FF"/>
Update Main Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Read Protection Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Write Protection Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

===== SLE4442 Only =====

Read Security Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Update Security Memory	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Compare Verification Data	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Card Response:

PIN Number verified successfully!

Main-Memory-Operation

Address : 0x Length : 0x (length<=0xFF-address)

Data : string

Write MM Read MM Write Protect Clear

When it is successfully, we can read the informations from the cards,as shown

Synchronous Card Control (SLE4432/42)

Initialize PIN Number: Verify Change

Command	Addr	Data	ReplyLen
Read Main Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="FF"/>
Update Main Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Read Protection Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Write Protection Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
===== SLE4442 Only =====			
Read Security Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Update Security Memory	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Compare Verification Data	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Card Response:

```

0000: 31 32 33 34 35 36 37 38 FF FF FF FF FF FF FF FF
0010: FF FF FF FF FF D2 76 00 00 04 00 FF FF FF FF FF
0020: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0030: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0040: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
  
```

Main-Memory-Operation

Address : 0x Length : 0x (length <= 0xFF-address)

Data : string

Write MM Read MM Write Protect Clear

Now, we write the data into the card. Please choose the address and length and data string, as shown.

Synchronous Card Control (SLE4432/42)

Initialize PIN Number: Verify Change

Command	Addr	Data	ReplyLen
Read Main Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="FF"/>
Update Main Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Read Protection Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Write Protection Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

===== SLE4442 Only =====

Read Security Memory	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="4"/>
Update Security Memory	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Compare Verification Data	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Card Response:

Write Main Memory Operation Successfully!

Main-Memory-Operation

Address : Length : (length<=0xFF-address)

Data : string

Write MM Read MM Write Protect Clear

We write the data from “00” Address and “09” Length,Data String “123456789”.when we write successfully,we can see the pictures.

Then,we can read it to Verify written correctly or no!as shown

Synchronous Card Control (SLE4432/42)

Initialize PIN Number: Verify Change

Command	Addr	Data	ReplyLen
Read Main Memory	0	0	FF
Update Main Memory	0	0	0
Read Protection Memory	0	0	4
Write Protection Memory	0	0	0

===== SLE4442 Only =====

Read Security Memory	0	0	4
Update Security Memory	1	0	0
Compare Verification Data	0	0	0

Card Response:

```

0000: 31 32 33 34 35 36 37 38 39 FF FF FF FF FF FF FF FF
0010: FF FF FF FF FF D2 76 00 00 04 00 FF FF FF FF FF
0020: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0030: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0040: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
  
```

Main-Memory-Operation

Address : 0x Length : 0x (length<=0xFF-address)

Data : string

Write MM Read MM Write Protect Clear

Othe Data to test it!

[illegible]

[illegible]