

AU9540/9560 Smart Card Reader Installation Guide for MAC OS X

Requirements:

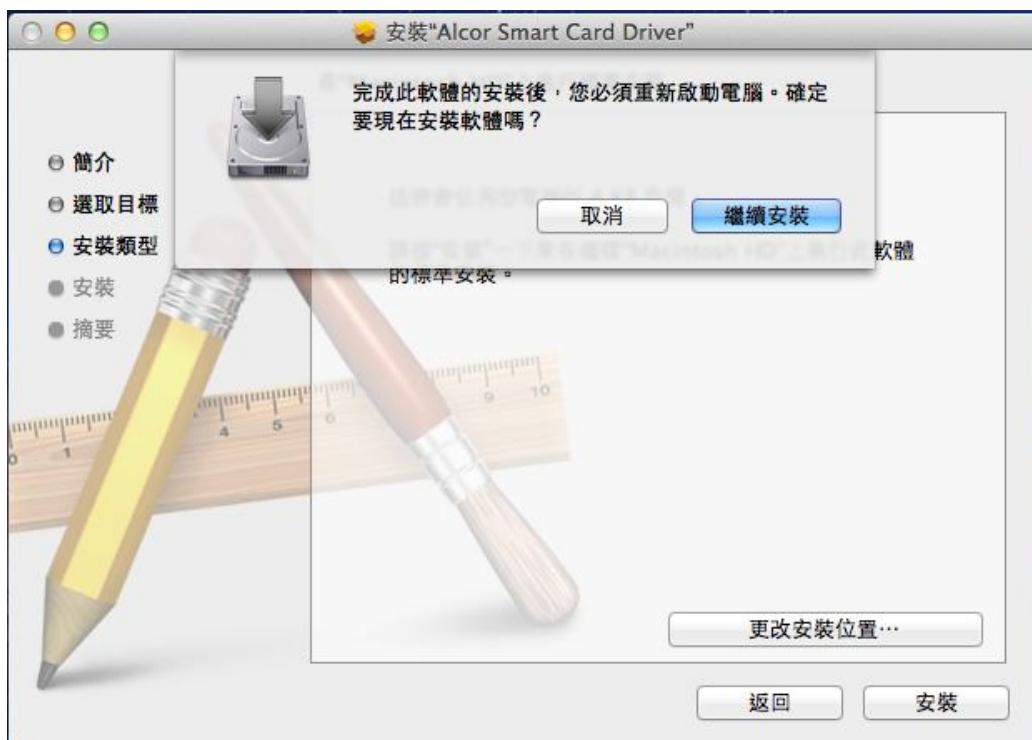
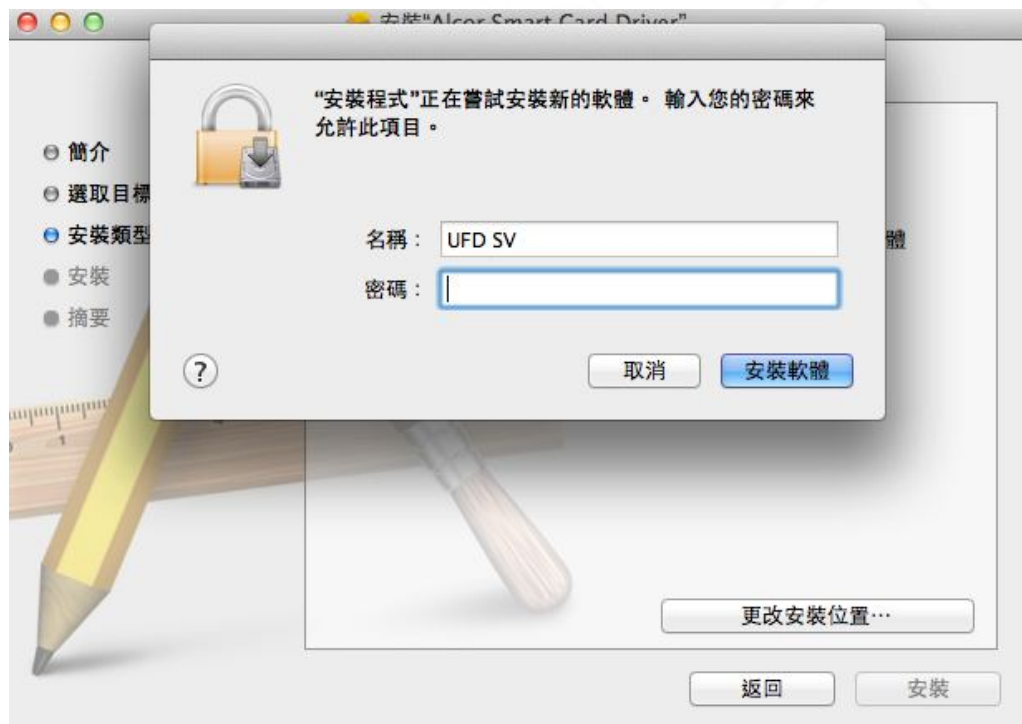
- 1 Support ISO7816 T0, T1 protocol
- Support MAC OS X 10.7 or above

Steps:

1. Connect Alcor Micro Smart Card Reader
2. Double-click "AlcorSCR_MAC.pkg" and follow the instructions of the wizard.



3. Enter the Root Password, and follow the instructions of the wizard.





How to check if a smart card stack works or not?

1. Plug the reader onto a computer's USB port,
2. Open a Terminal window and enter the following command to manually running pcscd.
 - 1) sudo pcscd -f
 - 2) Enter the Root Password.
 - 3) pcsctest
3. pcsctest displays the list of connected readers
4. Enter the number of the reader you want to test (in our case, only '1' is allowed).
5. Put a card on the reader, and check that everything is running as expected.

```
UFDs-MacBook-Air:~ UFD$ pcscd
```

```
MUSCLE PC/SC Lite Test Program
```

```
Testing SCardEstablishContext : Command successful.
```

```
Testing SCardGetStatusChange
```

```
Please insert a working reader : Command successful.
```

```
Testing SCardListReaders : Command successful.
```

```
Reader 01: Alcor Micro AU9540 00 00
```

```
Enter the reader number : 1
```

```
Waiting for card insertion
```

```
: Command successful.
```

```
Testing SCardConnect
```

```
: Command successful.
```

```
Testing SCardStatus
```

```
: Command successful.
```

```
Current Reader Name
```

```
: Alcor Micro AU9540 00 00
```

```
Current Reader State
```

```
: 0x34
```

```
Current Reader Protocol
```

```
: 0x1
```

```
Current Reader ATR Size
```

```
: 24 (0x18)
```

```
Current Reader ATR Value
```

```
: 3B EF 00 FF 81 31 86 45 49 42 4D 20 4D 46 43
```

```
34 30 30 30 30 38 33 31 43
```

```
Testing SCardDisconnect : Command successful.
```

```
Testing SCardReleaseContext : Command successful.
```

```
Testing SCardEstablishContext : Command successful.
```

```
Testing SCardGetStatusChange
```

```
Please insert a working reader : Command successful.
```

```
Testing SCardListReaders
```

```
: Command successful.
```

```
Reader 01: Alcor Micro AU9540 00 00
```

```
Enter the reader number
```

```
: █
```


No reader connected

```
$ pcsctest
```

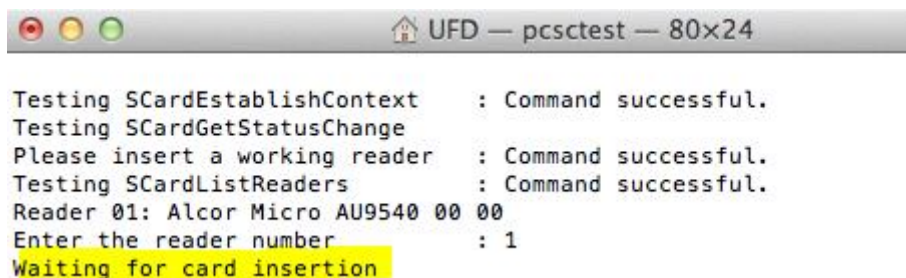
```
MUSCLE PC/SC Lite Test Program
```

```
Testing SCardEstablishContext : Service not available.
```

On Mac OS X the PC/SC service (in fact the `pcscd` daemon) is started by the security process at boot and when a USB smart card reader is connected.

So if no reader is connected you get the error: "Service not available" because `pcscd` is not yet running.

No smart card inserted



```
Testing SCardEstablishContext : Command successful.
Testing SCardGetStatusChange
Please insert a working reader : Command successful.
Testing SCardListReaders : Command successful.
Reader 01: Alcor Micro AU9540 00 00
Enter the reader number : 1
Waiting for card insertion
```

The program is then waiting for a card insertion.

If you have a card inserted and you do not get the ATR or an error then you have a problem.

If you insert a card and get the error **"Card is unpowered"** then you may have inserted the card the wrong way (or your card is dead).