

ORBITA C Locking System SDK

V5.6

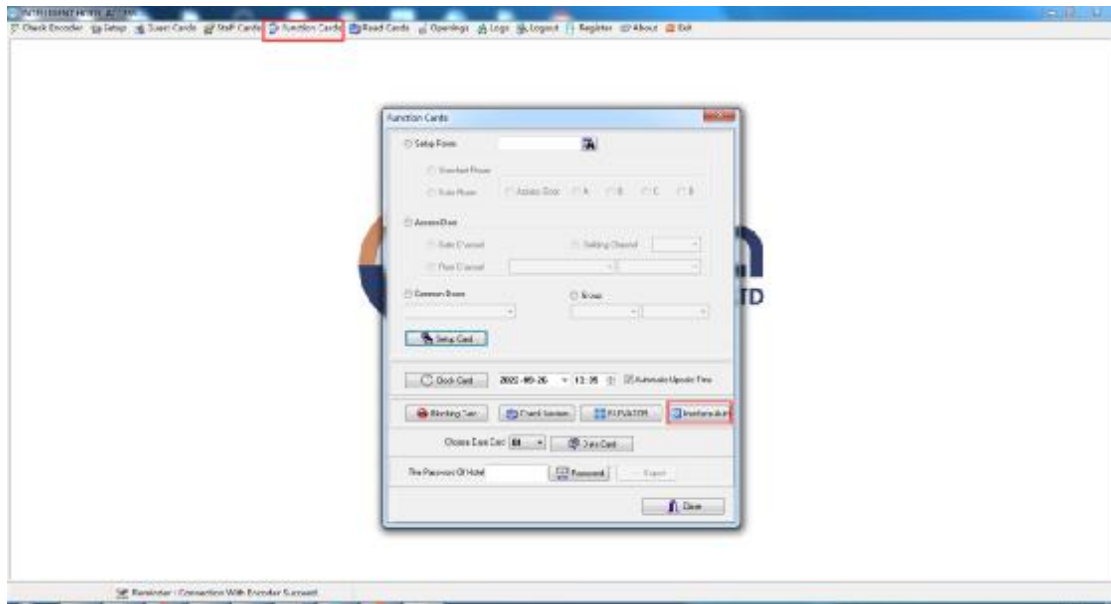
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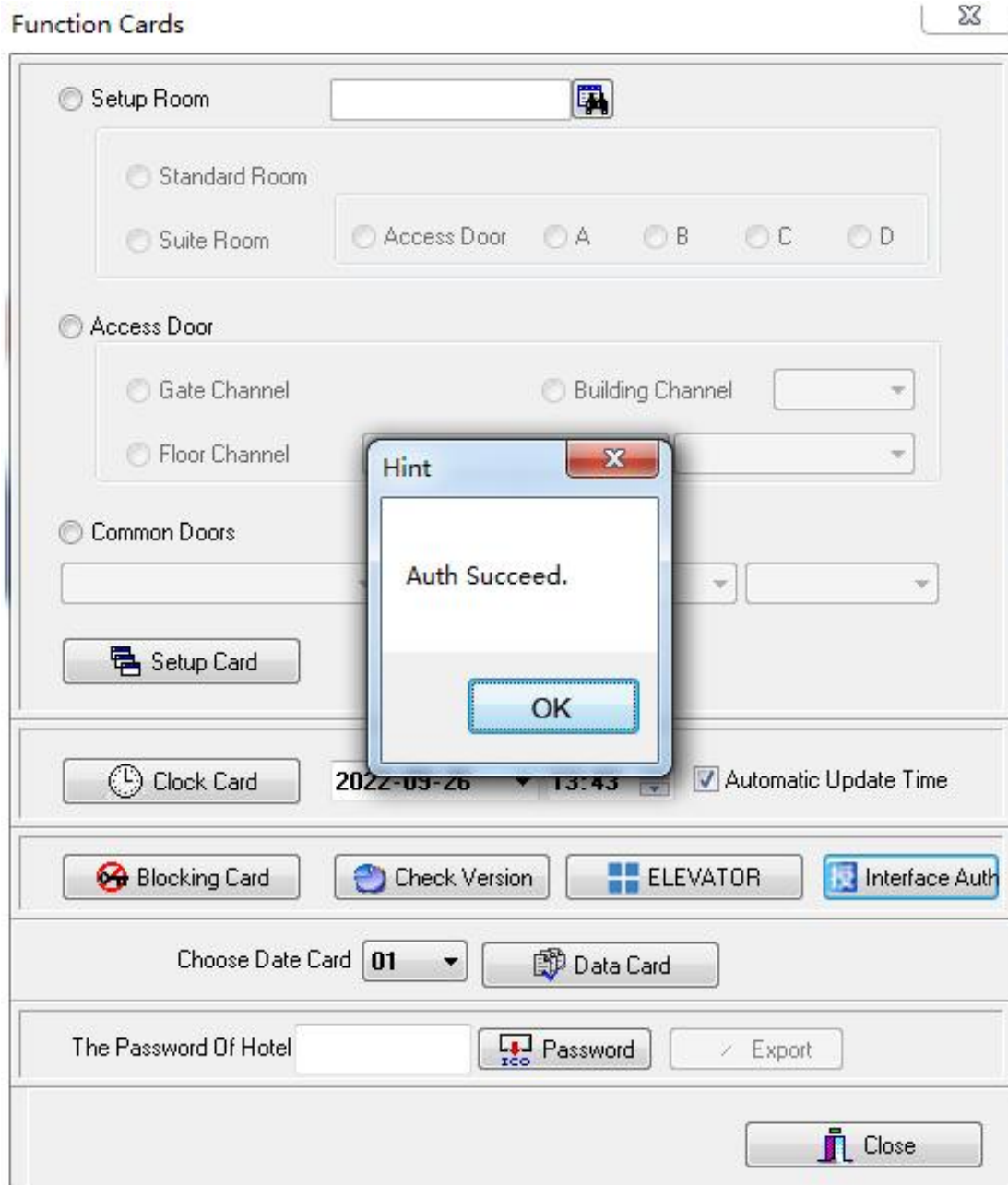
Orbita interface integratte steps

First: Interface authorization

1. Open Orbita lock system;



2. Pop up a dialog box;



3.Authorization succeed, close the lock system;

Second: Invoke function

1、Connect encoder.

```
__int16 __stdcall dv_connect(__int16 beep);
```

Parameters

beep: [in] Value is 1, Encoder buzzer beep.

Return

Succeed then return 0.

2、Switch off encoder

`__int16 __stdcall dv_disconnect();`

Return

Succeed then return 0.

3、Read data

`__int16 __stdcall dv_read_card(unsigned char* cardno,
unsigned char* building, unsigned char* room,
unsigned char* commdoors, unsigned char* arrival,
unsigned char* departure,
unsigned char* cardID,
unsigned char* data11);`

Parameters

cardno: [out] Card number returned, 6 characters.

building: [out] Building number, 2 characters.

room: [out] Room number returned, 4 characters.

commdoors: [out] Common doors return, Range is 00-FF.
control 8 areas. (8 bit binary.)

arrival: [out] Return check-in time, Format: yyyy-MM-dd hh:mm:ss. 19 characters.

departure: [out] Return check-out time, Same format with "arrival".

cardID: [out] Return UUID, 8 characters.

data11: [out] Returns 11 sector 0 block information, 32 characters.

Return

Succeed then return 0.

4、Write data

`__int16 __stdcall dv_write_card(unsigned char* building,
unsigned char* room, unsigned char* commdoors,
unsigned char* arrival, unsigned char* departure,
unsigned char* suspendnum, __int16 mode,`

```
unsigned char* data11,  
unsigned char* cardID);
```

Parameters

building: [in] Building number, 2 characters.

room: [in] Room number, 4 characters.

commdoors: [in] Common doors, Range is 00-FF. Control 8 areas. (8 bit binary.)

arrival: [in] check-in time, Format: yyyy-MM-dd hh:mm:ss. 19 characters.

departure: [in] check-out time, Same format with "arrival".

suspendnum: [in] suspend, 6 characters.

mode: [in] Type, 1 to report the loss; 0 to not report the loss. .

data11: [in] Custom message, 32 characters.

cardID: [out] Returns UUID, 8 characters.

Return

Succeed then return 0.

5、Delete data

```
__int16 __stdcall dv_delete_card(unsigned char* room);
```

Parameters

room: [out] type is the guest card, then return room number.

Return

Succeed then return 0.

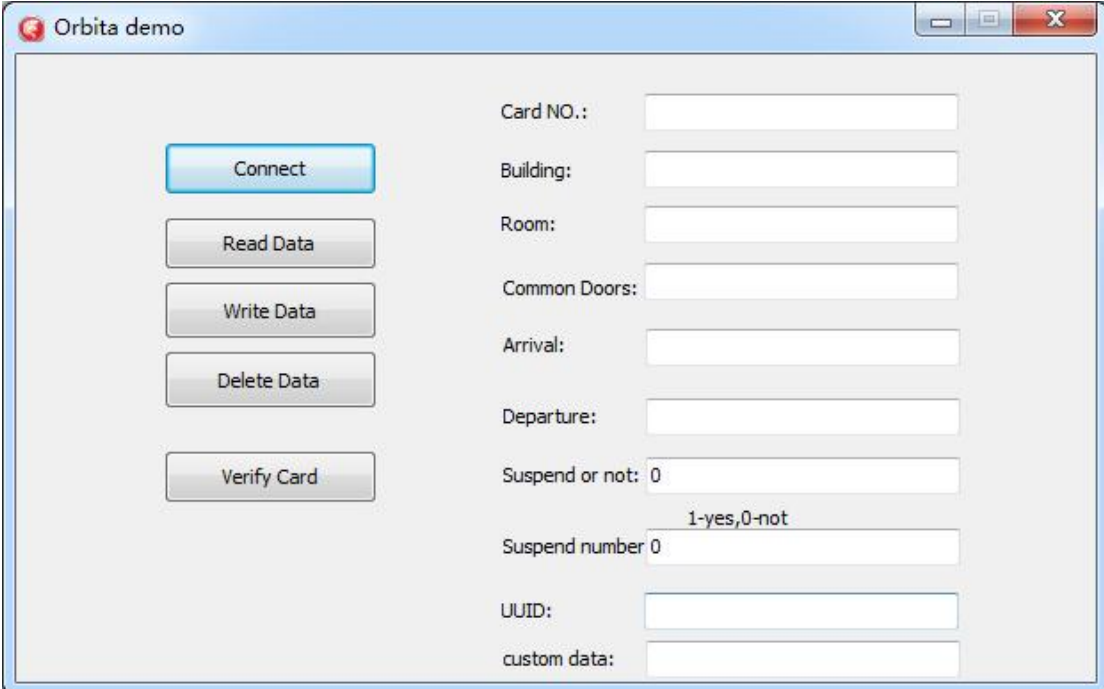
Error coders list

Value	Description
-1	Interface error
-2	Connect encoder failed
-3	Register encoder failed
-4	Buzzer mute
-5	Not supported card type
-6	Wrong card password
-7	Wrong supplier password
-8	Wrong card type
-9	Wrong authorization code
-10	Find card request failed
-11	Find card failed

- 12 Load card password failed
- 13 Read device information failed
- 14 Read card failed
- 15 Write card failed
- 16 Reauthorization required

Interface demo (test)

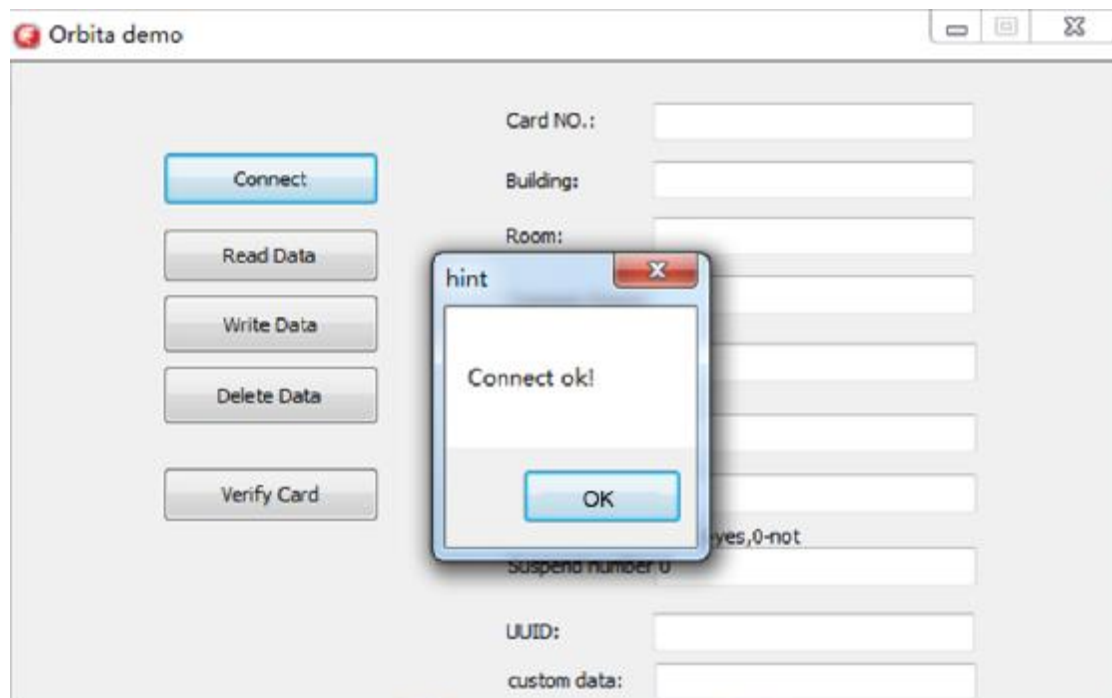
1. Open the obt.exe



The screenshot shows a Windows-style application window titled "Orbita demo". The interface is divided into two main sections. On the left, there is a vertical stack of five buttons: "Connect" (highlighted in blue), "Read Data", "Write Data", "Delete Data", and "Verify Card". On the right, there is a form with several input fields and labels. The fields are: "Card NO.:", "Building:", "Room:", "Common Doors:", "Arrival:", "Departure:", "Suspend or not: 0", "Suspend number 0", "UUID:", and "custom data:". The "Suspend or not" field has a small text label "1-yes,0-not" below it. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

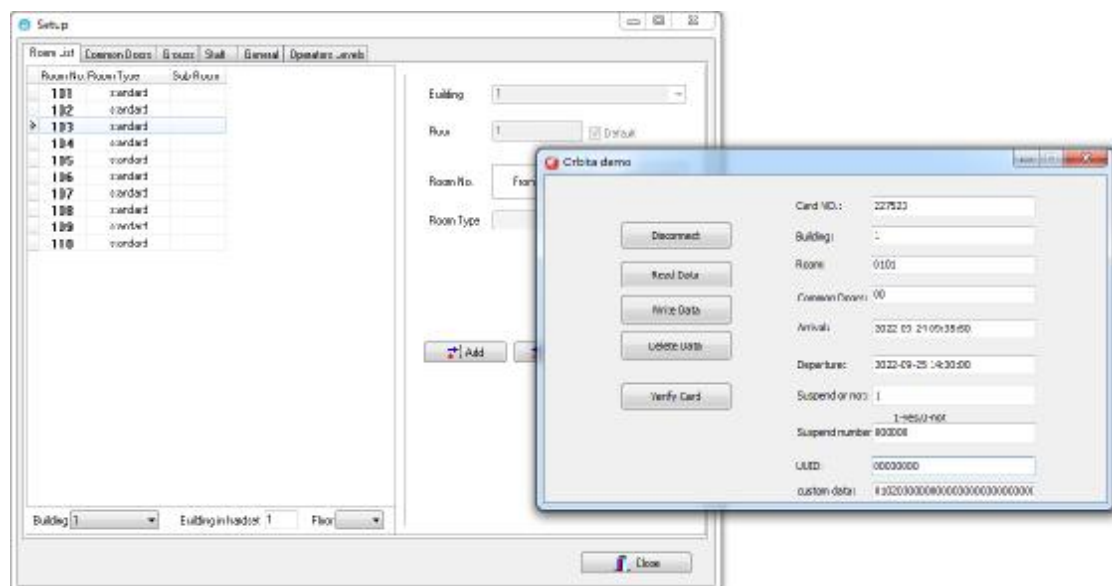
Field Label	Value
Card NO.:	
Building:	
Room:	
Common Doors:	
Arrival:	
Departure:	
Suspend or not:	0
1-yes,0-not	
Suspend number	0
UUID:	
custom data:	

2. Click the "Connect" button



3. Write card demo

a. Input the corresponding content



b. Put the guest card on the encoder, click "Write data"

5.Delete card demo

PS:When write data, the card content will be covered

Put the card on encoder, click “Delete data”