

# ORBITA C Locking System SDK

V5.6

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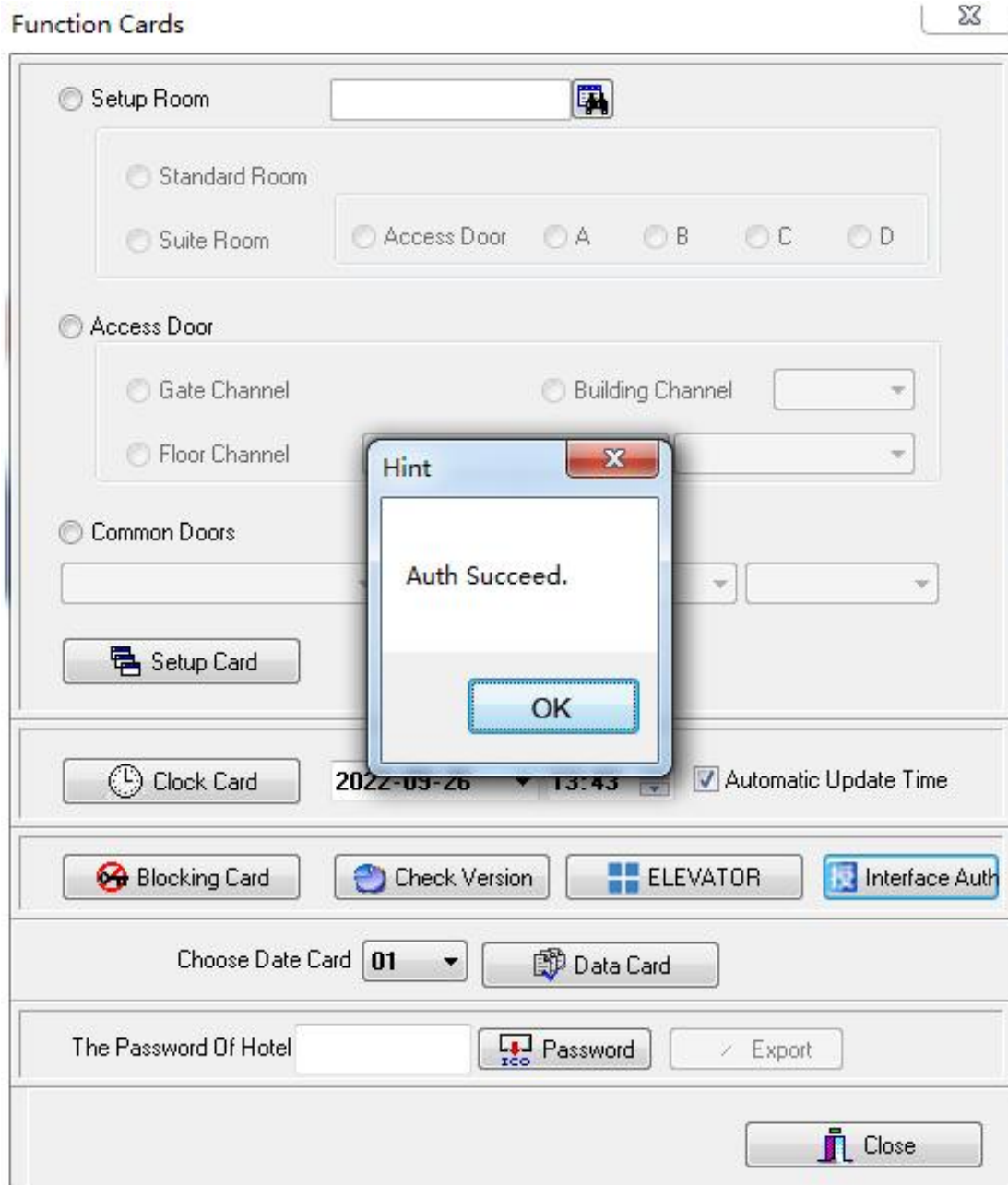
# Orbita interface integratte steps

## 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.

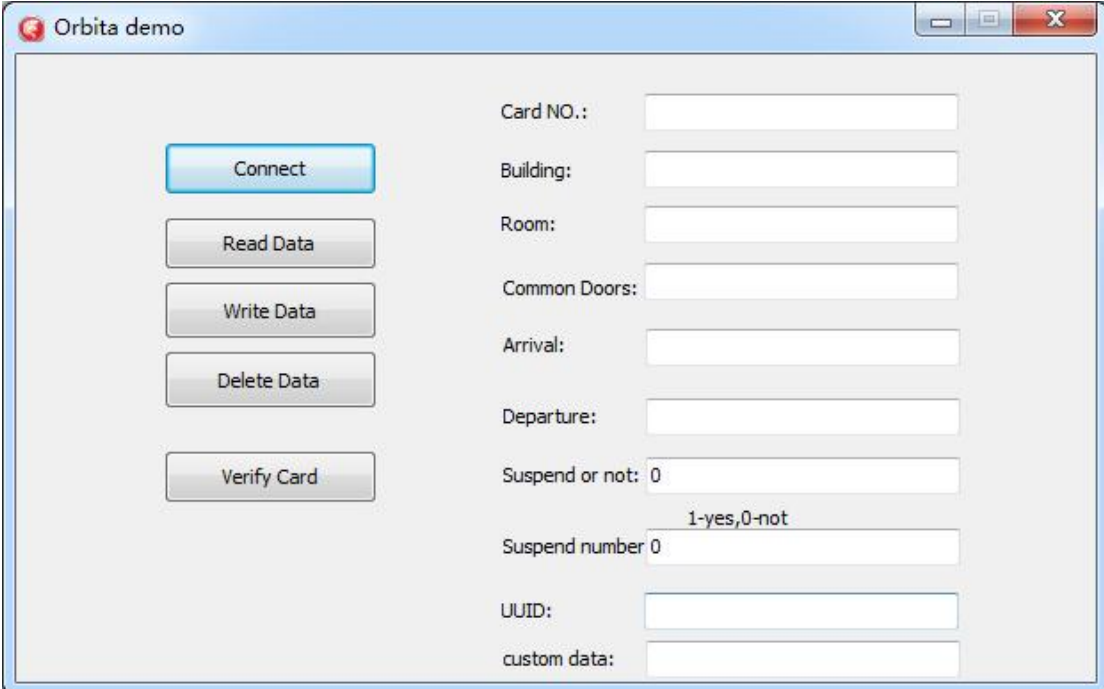
## Error coders list

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

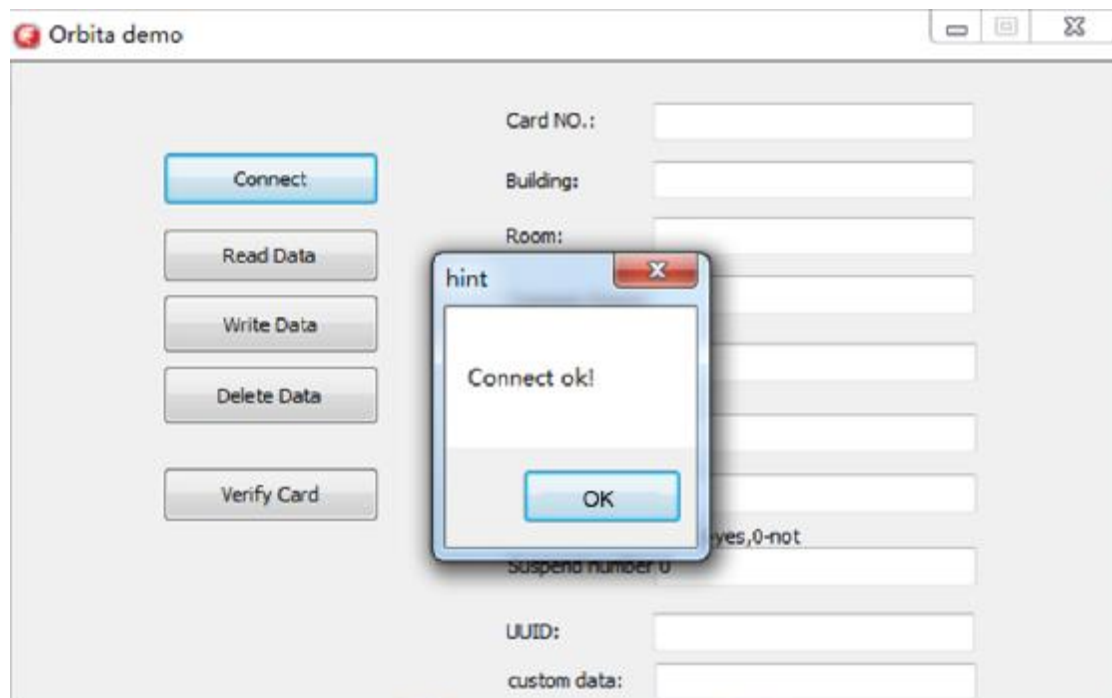
## Interface demo (test)

### 1. Open the obt.exe



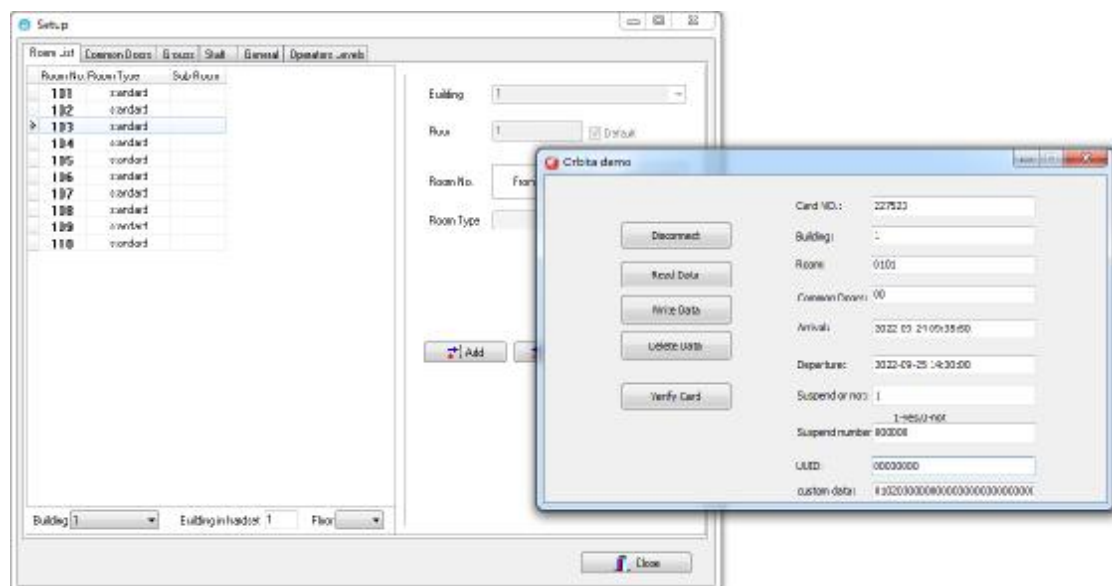
The screenshot shows a Windows application window titled "Orbita demo". The interface is divided into two main sections. On the left, there is a vertical stack of five buttons: "Connect" (highlighted in blue), "Read Data", "Write Data", "Delete Data", and "Verify Card". On the right, there is a form 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 "Suspend number" field has a small text label "0" below it.

## 2. Click the "Connect" button

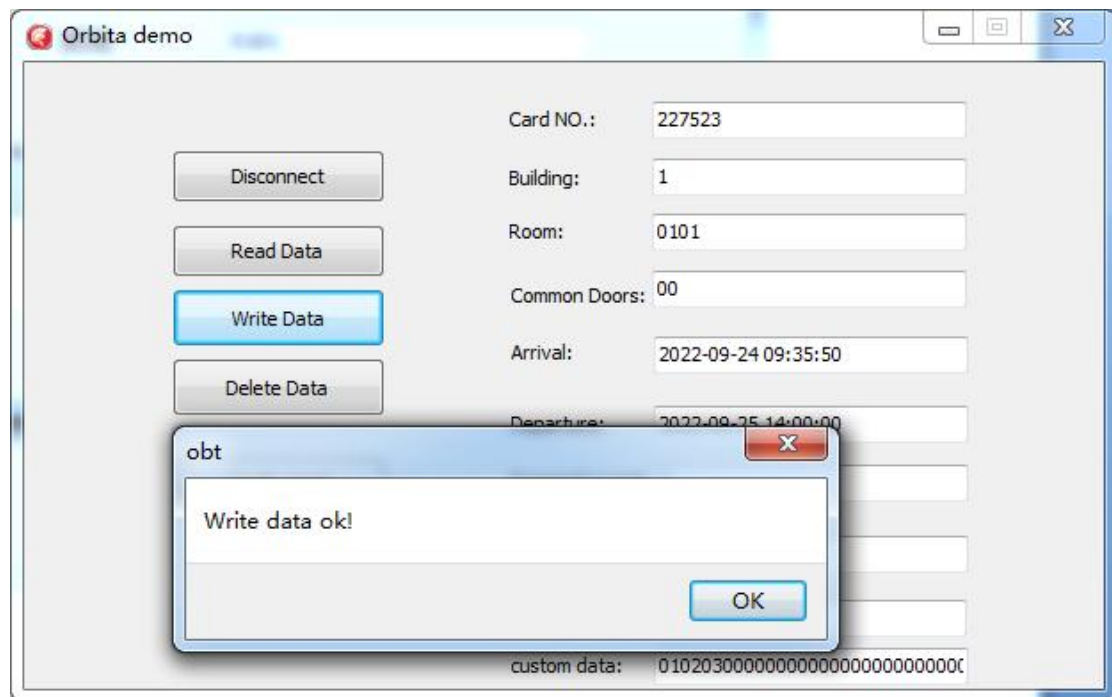


## 3. Write card demo

### a. Input the corresponding content

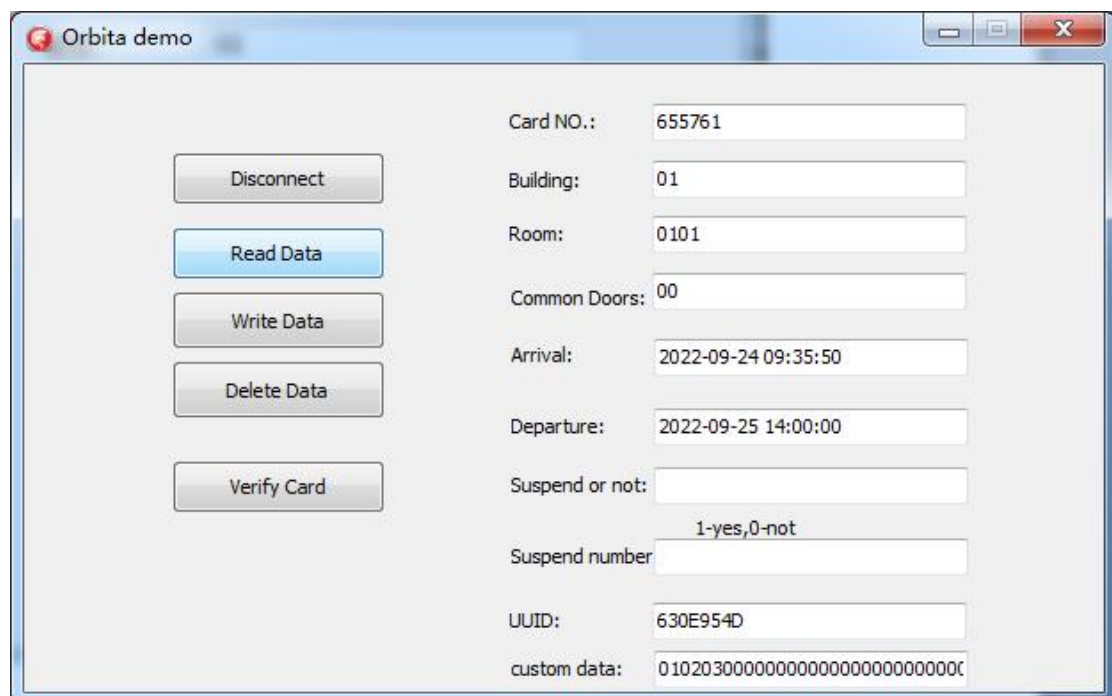


### b. Put the guest card on the encoder, click "Write data"



#### 4.Read card demo

Put the card on encoder, click “Read data”





## 5.Delete card demo

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

Put the card on encoder, click “Delete data”