

Title:	How to Connect Card Reader to Door Station	Version:	v1.0	Date:	5/19/2017
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How to Connect Card Reader to Door Station

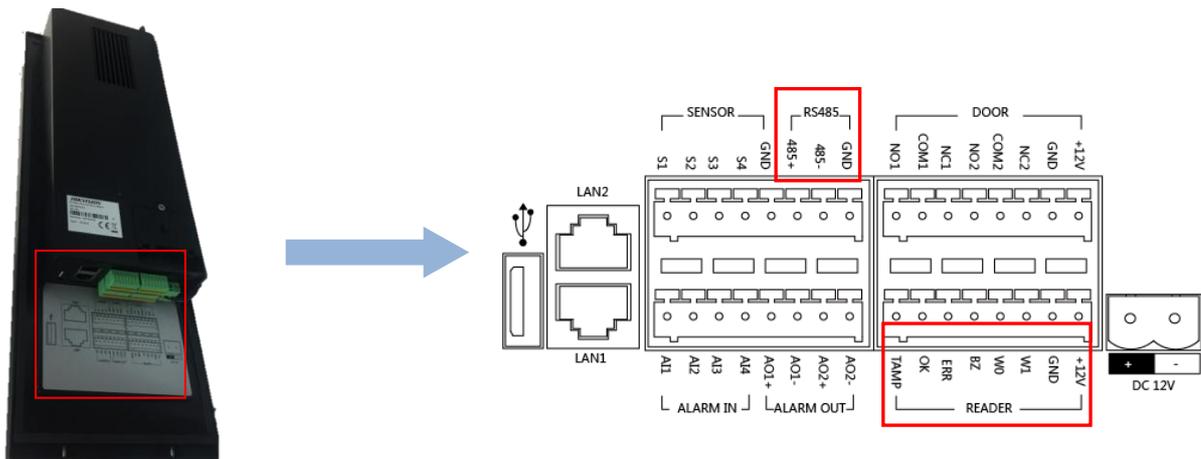
Preparation

Connecting card reader to door station is mainly applied to swiping card to open the door for exiting. Door station in this document means DS-KD8102-V and DS-KD8002-IM, and card reader in this document means DS-K1100M series card readers.

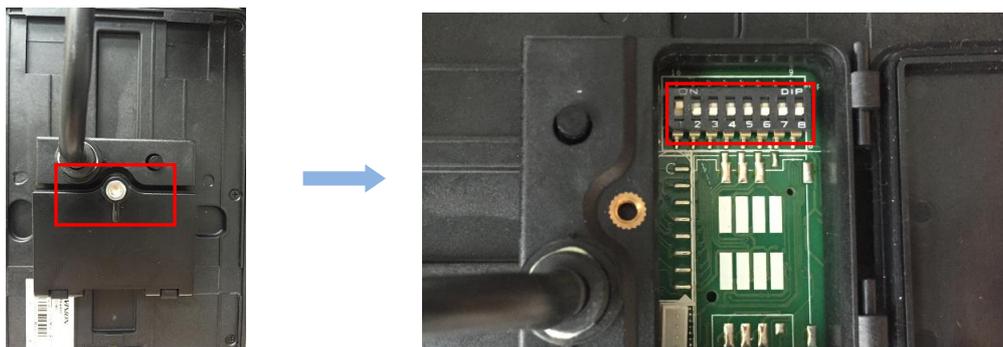
In this document, the door station version is V1.4.20/V1.4.22; the iVMS-4200 client version is V2.6.1.6.

Notice

1. Please cut off power supply before wiring;
2. Please refer to the following pictures of interfaces of door station, RS485 interface and READER interface in the following picture are for card reader, so there are two optional ways of wiring;



3. Please check the rear panel of card reader and unscrew it, you could find DIP switch module; The No. of DIP switch from left to right is 1~8:



Description of DIP Switch:

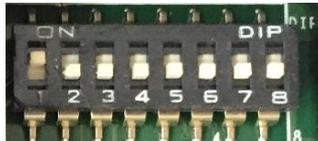
Icon	Description
	Represent 1 in binary mode
	Represent 0 in binary mode

No.	Description	DIP Switch Status
1~4	Address of RS485	1: 1 0: 0
5	Read card No. or file in card(Reserved)	1: read card No; 0: read file in card.
6	Wiegand protocol or RS-485 protocol	1: Wiegand protocol 0: RS-485 protocol.
7	Wiegand Protocol (available when No. 6 is 1)	1: Wiegand protocol of 26-bit; 0: Wiegand protocol of 34-bit.
8	Wiegand Protocol (available when No. 6 is 1)	1: Enable; 0: Disable.

Method 1: RS485 Wiring

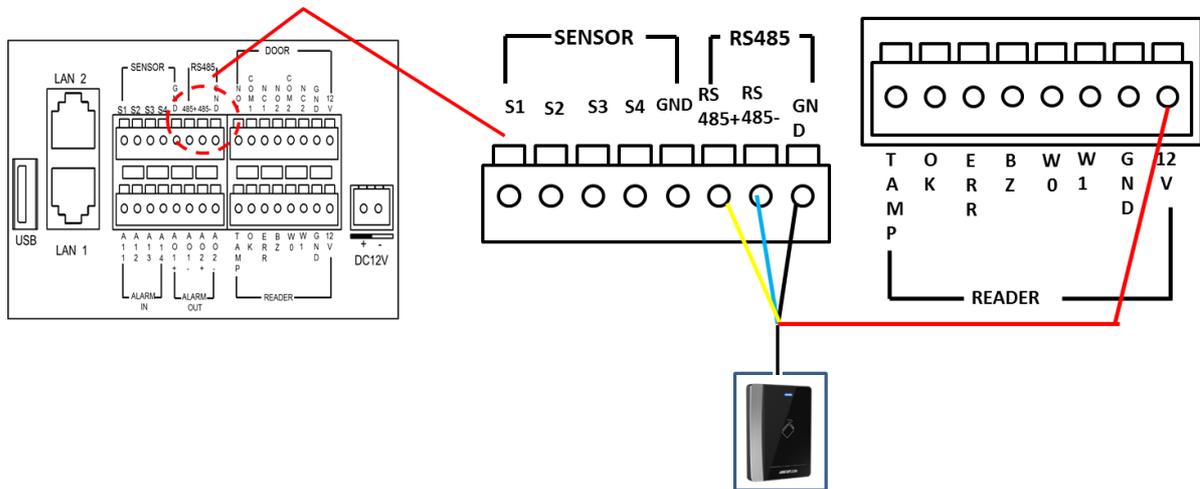
Step 1:

Please set the DIP switch firstly before connecting the card reader, the binary value of the card reader is 1000 0000, please set as the following picture;



Step 2:

Please connect card reader to door station as following picture:

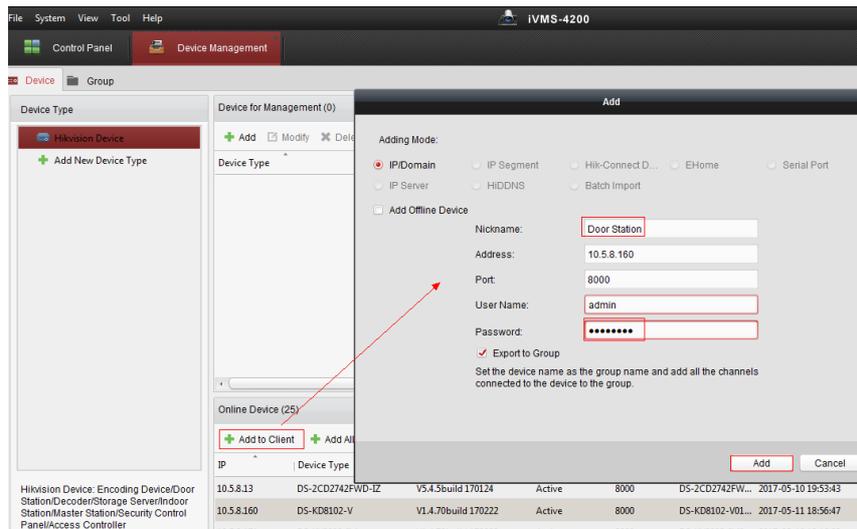


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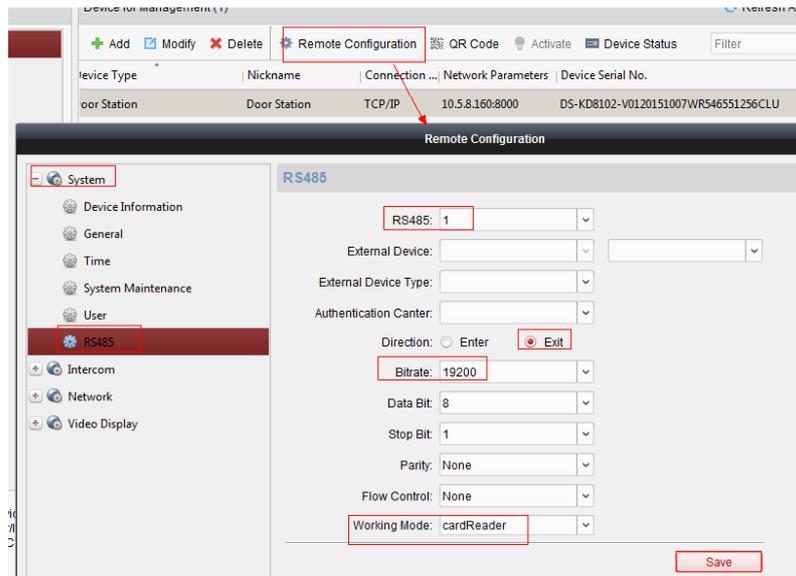
Step 3:

Supply power to door station, and add door station to iVMS-4200 client or Batch Configuration Tool;



Step 4:

Enter **Remote Configuration** interface, find **System** → **RS485**, configure as picture;



Step 5:

Issue card on door station or iVMS-4200 client, and test whether card reader works or not;

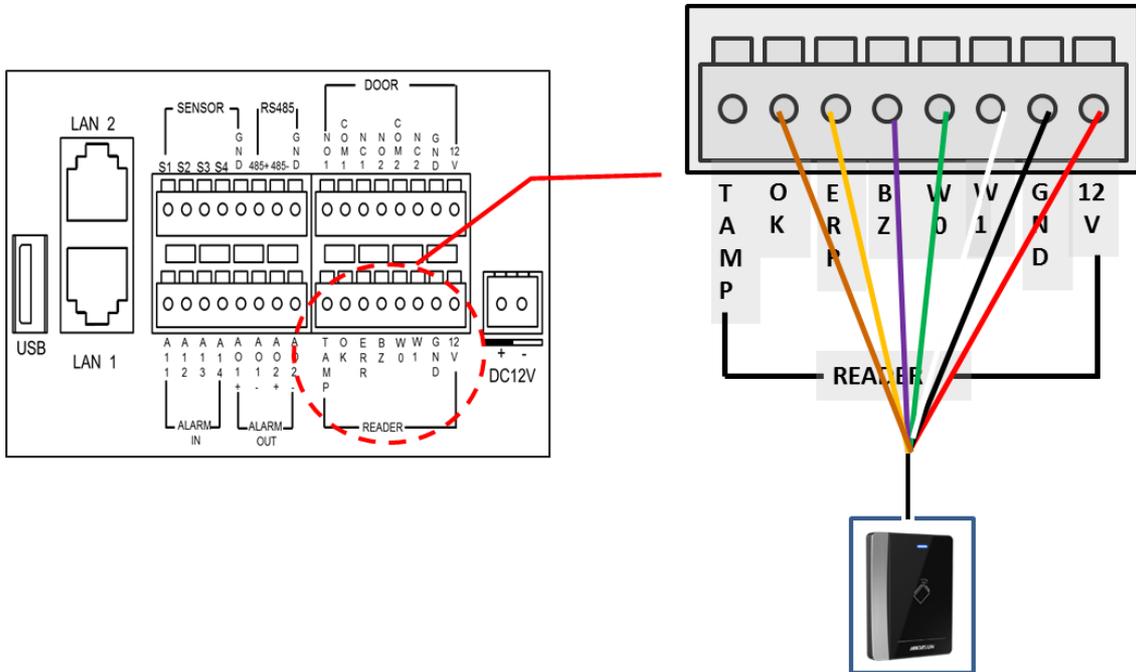
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Method 2: Wiegand Wiring

Step 1:

Please connect card reader to door station as following picture;



Step 2:

Supply power to door station and issue card on door station or iVMS-4200 client, and test whether card reader works or not;

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