

Title:	DS-K1T501 connect to K2604 through RS485	Version:	v1.0	Date:	10/31/2018
Product:	DS-K1T501			Page:	1 of 5

DS-K1T501 work as RS485 card reader

Device Info:

DS-K1T501SF firmware version: V1.1.0_build180202

DS-K2604 firmware version: V2.0.4_build180913

Step1: Set dip switch for K1T501SF(instruction available on User manual)

Appendix B DIP Switch Introduction

The DIP switch diagram is as follows:

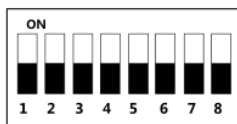


Table 7-2 Description of DIP Switch

Icon	Description
<input checked="" type="checkbox"/>	Represent 1 in binary mode
<input type="checkbox"/>	Represent 0 in binary mode

For example, binary value of the following status is: 0000 1100.



Table 7-3 Description of DIP Switch

No.	Description	DIP Switch Status
1 ~ 4	Address of RS-485	2: Security Module 0: Card Reader
5	RS-485 Direction under the Terminal Mode	1: Upstream; 0: Down Stream
6	Working Method	1: Card Reader; 0: Terminal.
7	Wiegand Protocol (available when No. 6 is 1)	1: Wiegand protocol of 26-bit; 0: Wiegand protocol of 34-bit.
8	Matched Resistance (available for RS-485 protocol)	1: Enable; 0: Disable.

For example, if K1T501SF use as RS485 reader 1(control K2604 lock1 entrance), follow front picture Set dip switch 1 (RS485 address), 5 (RS485 up stream) and 6 (Device work as card reader) as ON status.



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Step2: Set RS485 parameters and modify work mode. First picture is default setting, we need modify to same as second picture.

The screenshot displays the Hikvision iVMS-4200 software interface. The top navigation bar includes 'File', 'System', 'View', 'Tool', and 'Help'. Below this, there are tabs for 'Control Panel', 'Access Control', 'Status Monitor', 'Device Management', and 'Alarm Event'. The main area shows a list of devices for management, with columns for 'Device Type', 'Nickname', 'Connectio...', 'Network Paramet...', 'Device Serial No.', 'Security', 'Net Status', and 'Firmw'. The 'Modify' button is highlighted in red. A red arrow points from this button to the 'RS-485 Settings' section of the configuration window. The 'RS-485 Settings' section is also highlighted in red and contains the following parameters: Serial Port: 1, Baud Rate: 600, Data Bit: 7Bit, Stop Bit: 1Bit, Parity: None, Communication Mode: Half Duplex, Working Mode: Console, and Connection Mode: Connect Card Reader. A 'Save' button is located at the bottom of the window.

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Modify

Serial Port: 1

Baud Rate: 19200

Data Bit: 8Bit

Stop Bit: 1Bit

Parity: None

Communication Mode: Half Duplex

Working Mode: Console

Connection Mode: Connect Client

Save

Step3: Add card and person info and sync to K2604 access controller.

File System View Tool Help

Control Panel Access Control Status Monitor Event Management Device

+ Add Modify Delete Apply All Apply Changes

Permission Na...	Template	Person	Door	Details	Status
123	Whole Week ...	Morgen	test_K2604,Do...	Details	Applied

Edit Permission

Permission Name: 123

Template: Whole Week Template Add Template

Person

Search...

hq

Selected Personnel(1)

Search...

Person Name	Organization
Morgen	hq/1

Access Control Point/Device

Search...

2604

- 1_2602
- 2_2602
- K2604
 - test_K2604
 - Door2_K2604

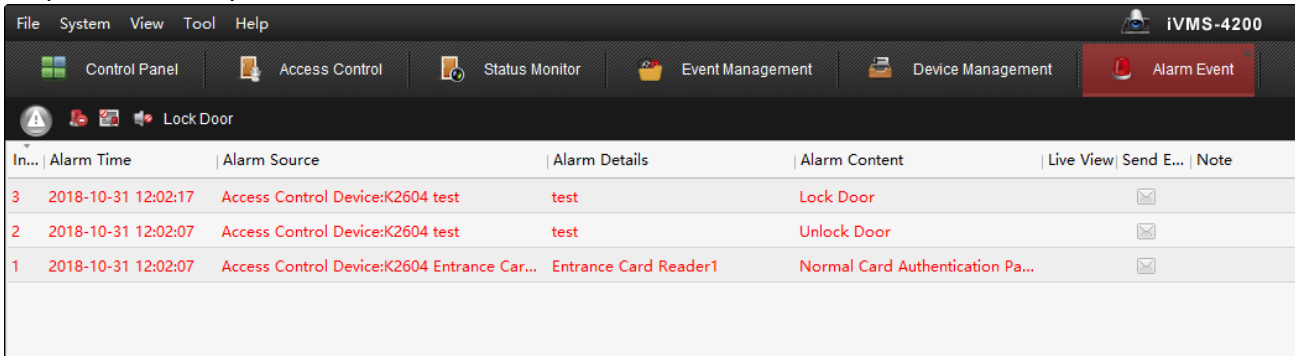
Selected Door/Device(4)

Search...

Access Control Point/Device Name	Door Group
test_K2604	K2604
Door2_K2604	K2604
Door3_K2604	K2604
Door4_K2604	K2604

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Step4: Test. Verify card on K1T501SF and check event from ivms-4200 software



The screenshot shows the ivms-4200 software interface. The top menu bar includes 'File', 'System', 'View', 'Tool', and 'Help'. Below the menu is a toolbar with icons for 'Control Panel', 'Access Control', 'Status Monitor', 'Event Management', 'Device Management', and 'Alarm Event'. A 'Lock Door' button is also visible. The main area displays a table of alarm events.

In...	Alarm Time	Alarm Source	Alarm Details	Alarm Content	Live View	Send E...	Note
3	2018-10-31 12:02:17	Access Control Device:K2604 test	test	Lock Door			
2	2018-10-31 12:02:07	Access Control Device:K2604 test	test	Unlock Door			
1	2018-10-31 12:02:07	Access Control Device:K2604 Entrance Car...	Entrance Card Reader1	Normal Card Authentication Pa...			



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