



How to connect card reader to villa door station

(KV9503-WBE1&DS-K1109DKFB-QR as example)

Title:	How to connect card reader to villa door station	Version:	V2.3.13	Date:	19/3/2025
Product:	KV9503-WBE1&DS-K1109DKFB-QR			Page:	1 of 4

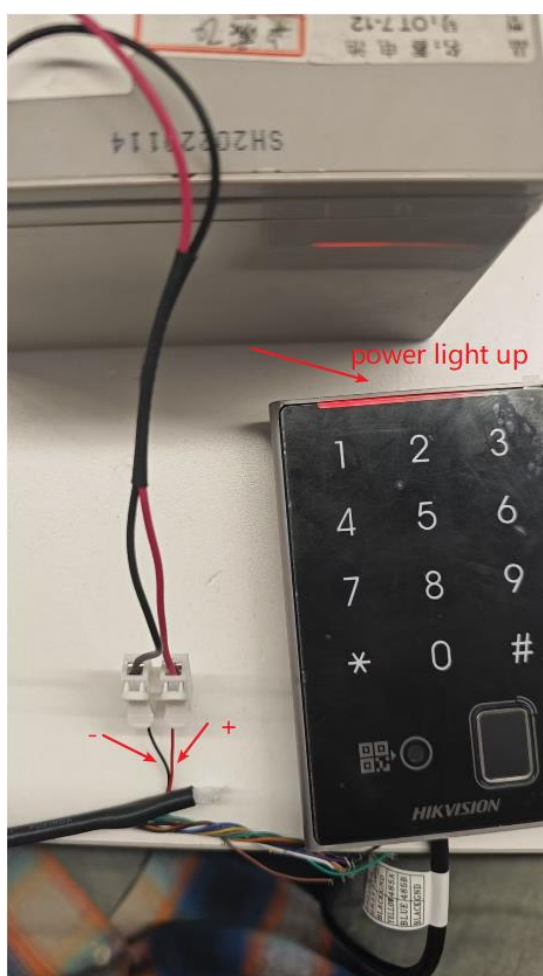
Preparation

1. The KV9503 Plug in the LAN cable to power the network via POE.
2. The K1109 needs to supply 12V and 0.5A current individually via cable

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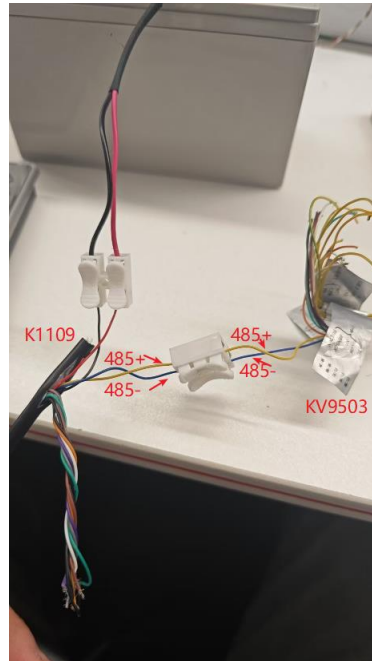
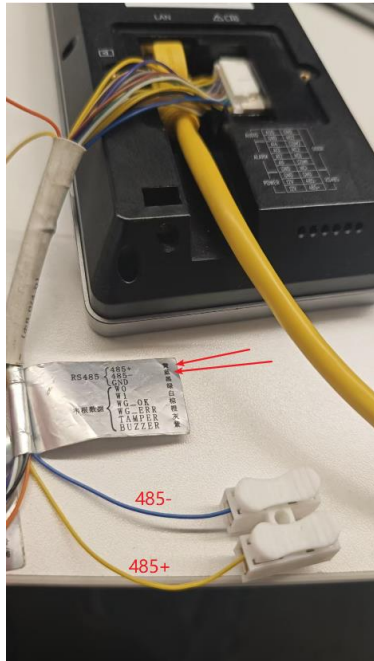
1. Card reader power-up configuration

- 1) Wiring the card reader power supply and checking the status of the card reader.



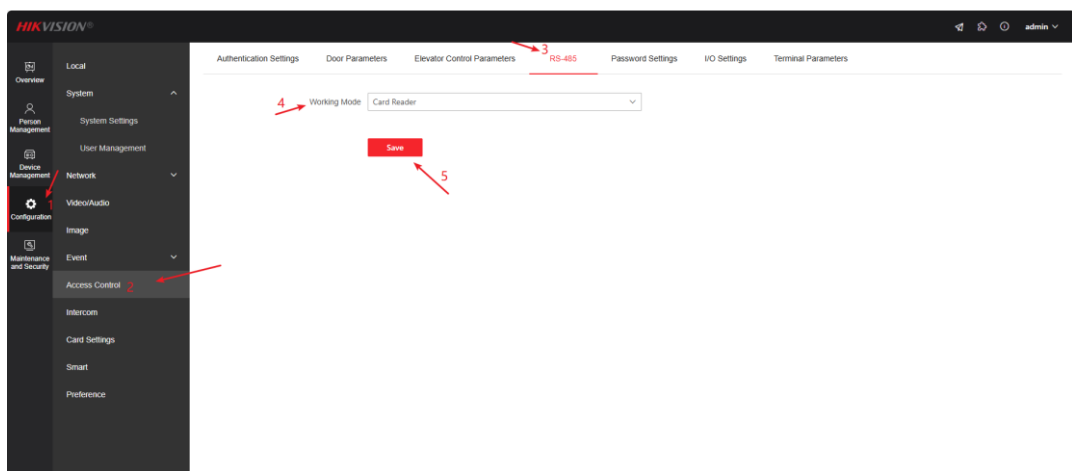
2. The card reader and the door station are connected via 485.

- 1) The card reader and the door station wiring

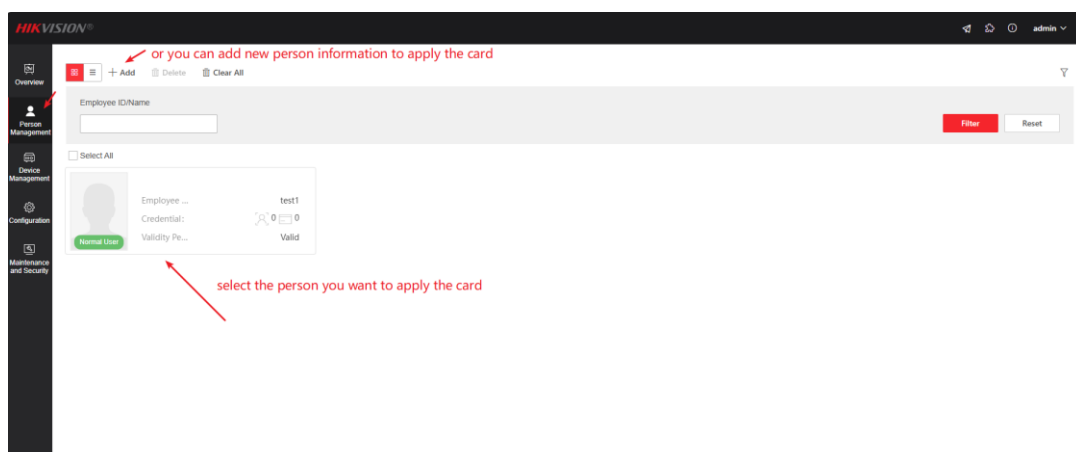


2) Configuration of the web side of the gateway

1) Web page RS-485 select 【Card reader】



2) Select the person's card number you want to add or create a new one



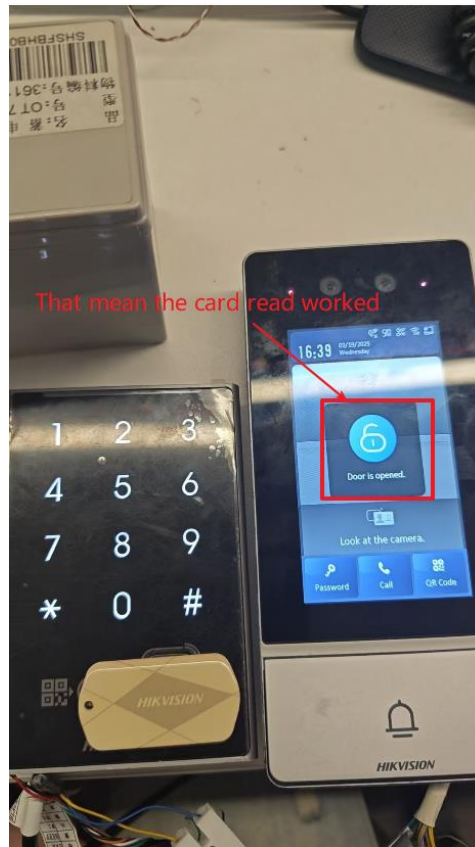
3) Personnel card numbers are issued through card reader

The screenshot shows the Hikvision web interface for a device named 'test1'. The left sidebar contains navigation options: Overview, Person Management, Device Management, Configuration, and Maintenance and Security. The main area is titled 'Certificate Configuration'. It includes fields for Room No., Person Type (Normal User), Long-Term Effective User (toggle), Validity Period (2025-03-19 00:00:00 to 2025-03-19 23:59:59), and Administrator (toggle). Below these is the 'Certificate Configuration' section. It has a 'Face' field with a note 'No larger than 200 KB, JPG, JPEG, PNG allowed.' and a '+ Add from Device' button. The 'Card' section has a note 'Up to 5 cards can be supported.' and a '+ Add Card' button. A red arrow points to the '+ Add Card' button with the text 'click here'. A modal window is open for adding a card. It has a radio button for 'Present card on the device, or enter card No.' and a 'Card No.' field containing '1102870718', which is circled in red. A red arrow points to the 'Read' button with the text 'click here to read the card that you want to add, if your card read is connected normally with the door station via 485 cable, it will show the card number when you put your card on card reader'. The modal also has a 'Property' field set to 'Normal Card' and 'OK' and 'Cancel' buttons.

4) Click **Save** after successful issued

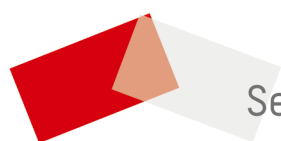
The screenshot shows the same Hikvision web interface as before, but now the 'Card' field in the 'Certificate Configuration' section is highlighted with a red circle. A red arrow points to the 'Save' button with the text 'click here to save it'. Another red arrow points to the 'Card' field with the text 'that means the registration done'. The modal window is no longer open. The 'Card' field now shows 'Normal Card 1102870718'.

3. Verify that the card privileges issued by the reader are working properly



Note:

1. The card reader registered with KV door station does not need to be dialed, because KV9503 has only one 485 and can only be connected to one card reader
2. Keep the power off as much as possible when operating the wiring.



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