

# Dahua

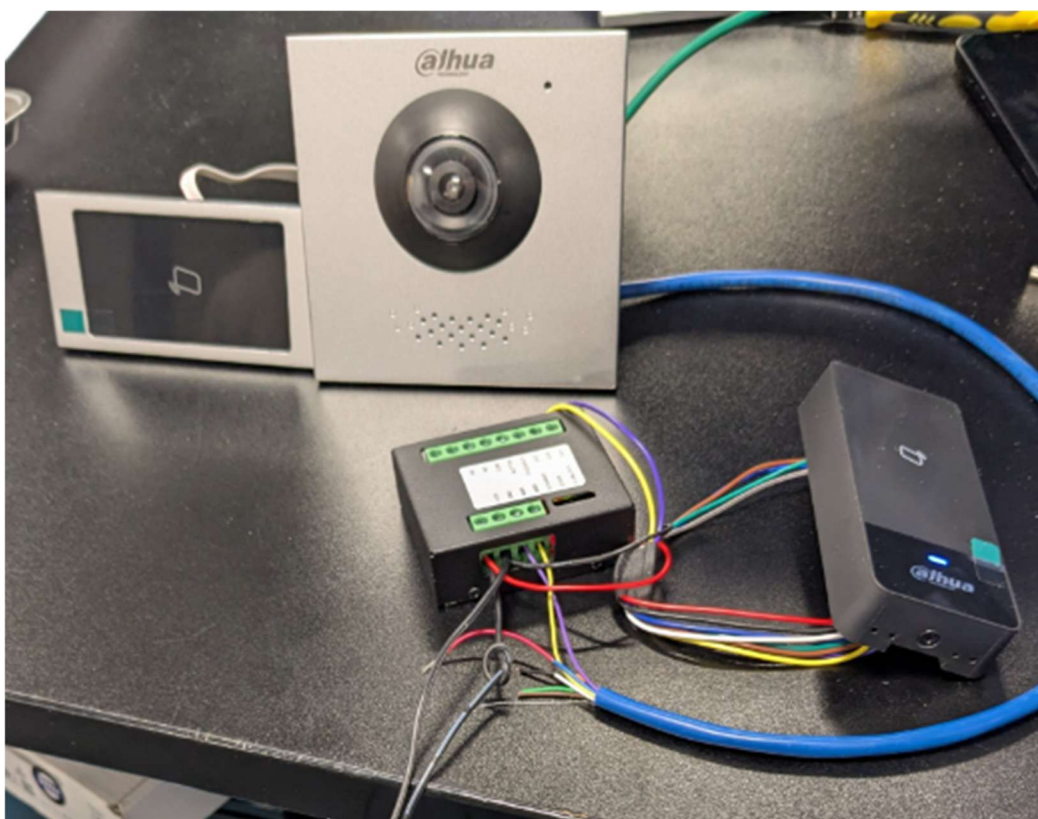
## Dahua modular intercom with RS485 reader



## Setup

How to use the modular VTO with a Dahua RS485 reader.

As an example a gate with a column, placed on the outside is the VTO and on the inside the RS485 reader.



### Used Products:

VTO4202F-P with FW version V4.511.0000000.1.R.240731

<https://smartsd.com/product/20325146/dahua-dhi-vto4202f-p-s2>

VTO4202F-MR

<https://smartsd.com/product/20325123/dahua-dhi-vto4202f-mr>

DEE1010B-S2

<https://smartsd.com/product/20325165/dahua-dhi-dee1010b-s2>

ASR1200E

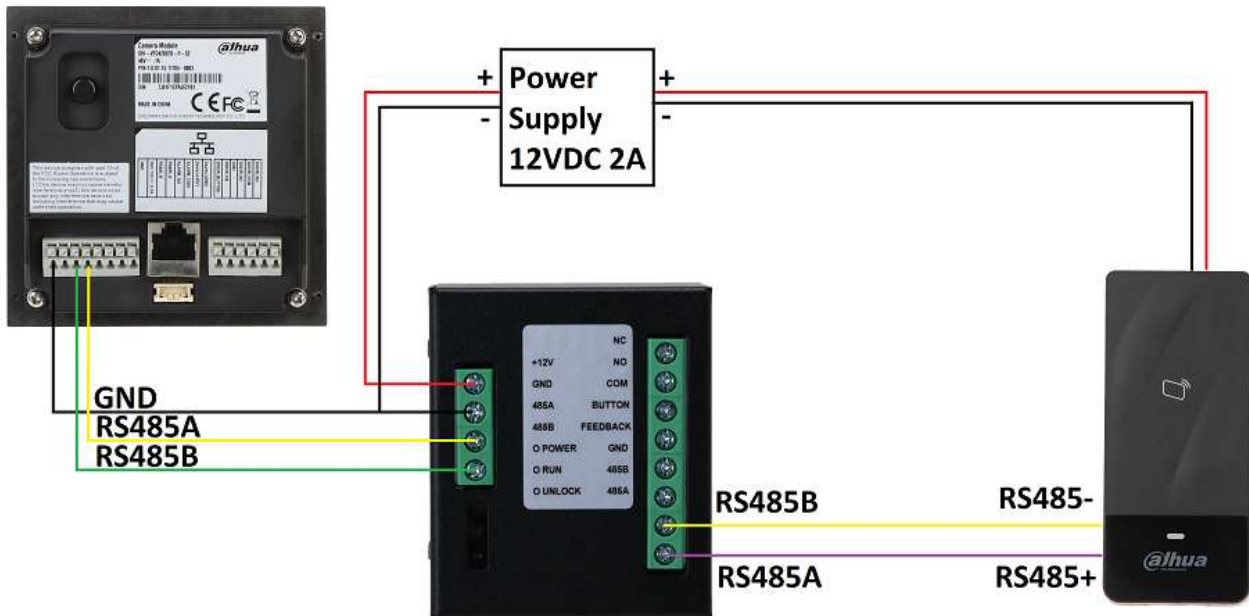
<https://smartsd.com/product/40050529/dahua-dhi-asr1200e>

12V PSU

<https://smartsd.com/product/40009462/sewosy-ads1202>

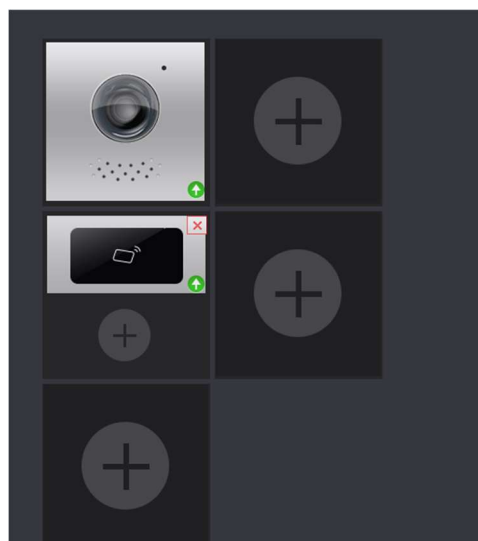
## Installation

### How to wire all the devices.



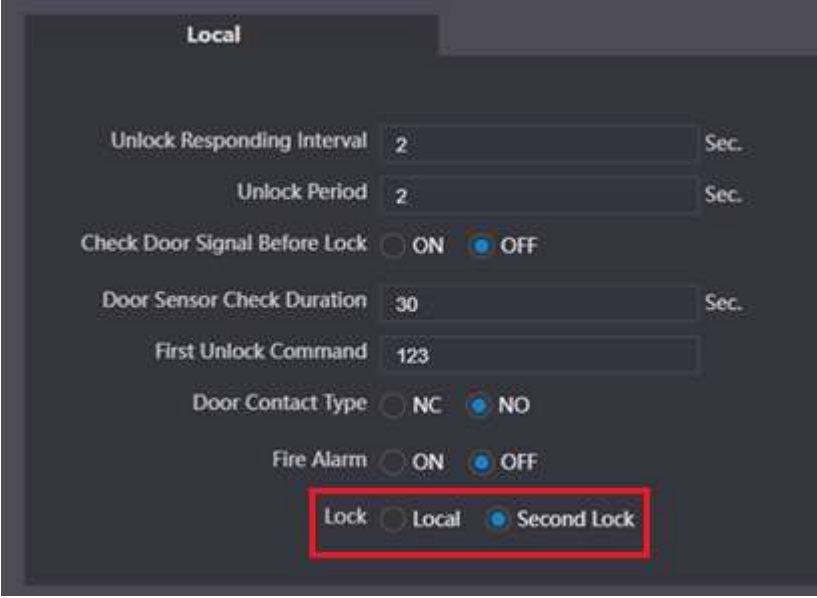
### How to configure.

First wire all the components and connect the card reader to the VTO with the provided cable. Then turn on the power supply. Initialize the VTO with the config tool and add the card reader to the setup. Like shown in the picture.



Dahua Intercom / Dahua Access

Set the local relay lock option to second lock, so both the VTO and the RS485 reader will trigger the same lock.



**Local**

Unlock Responding Interval: 2 Sec.

Unlock Period: 2 Sec.

Check Door Signal Before Lock: ☐ ON ☒ OFF

Door Sensor Check Duration: 30 Sec.

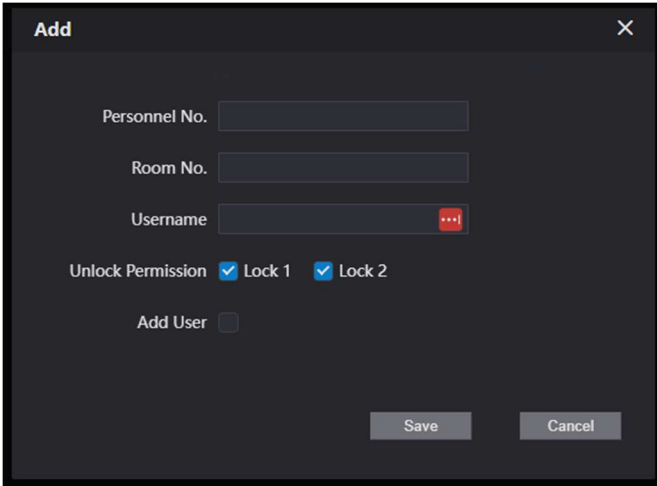
First Unlock Command: 123

Door Contact Type: ☐ NC ☒ NO

Fire Alarm: ☐ ON ☒ OFF

**Lock** ☐ Local ☒ Second Lock

When adding an user to the system you'll need to also set the unlock permission to Lock2.



**Add**

Personnel No.

Room No.

Username

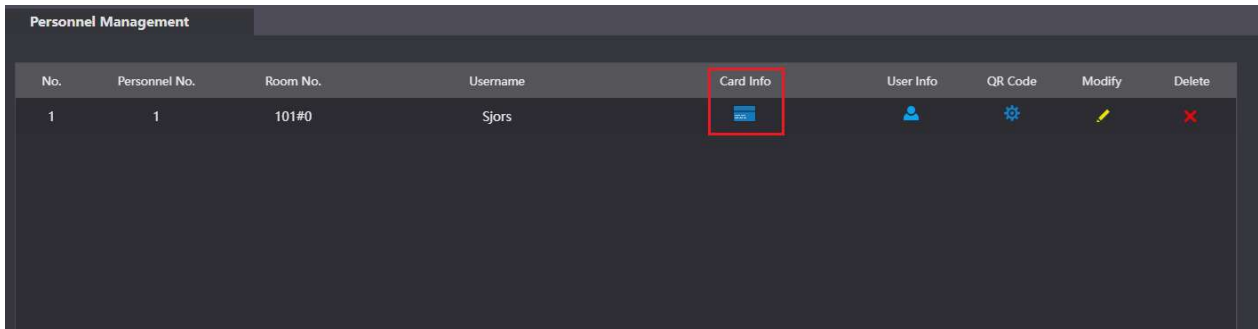
Unlock Permission ☒ Lock 1 ☒ Lock 2

Add User ☐

Save Cancel

**Dahua Intercom / Dahua Access**

To add a tag/card to the system. Go to household setting then personnel management.  
 Add a new personnel member by clicking on add. Fill in the mandatory fields and press save. After saving the new personnel, click on the card image shown under card info.



Press on the issue card button. Present the card to the (VTO) reader or the RS485 reader.  
 Press confirm issuing the card and fill in a name for the card.  
 Press save again and now the card is active for use.

