

A094 OSDP Reader Configuration

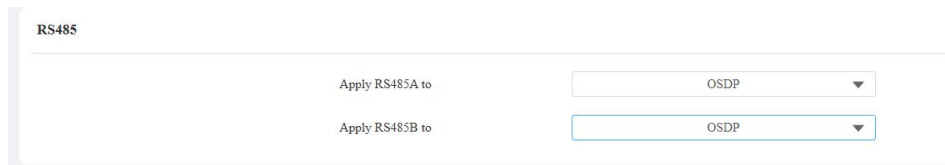
1. Wiring

Wiring OSDP reader to A094.

2. Device Scanning

Path: Device > RS485

a. Set Apply RS485A/B to **OSDP**.



RS485

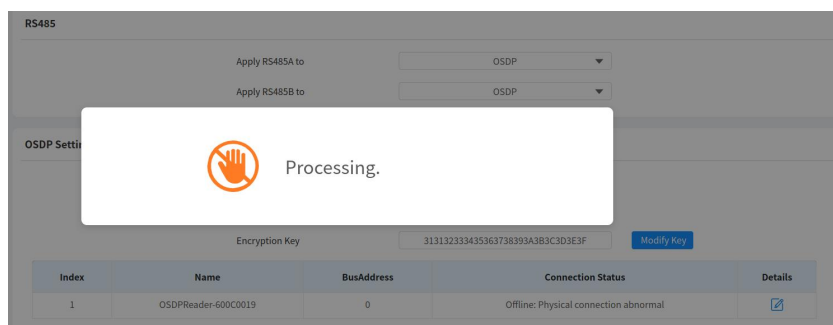
Apply RS485A to OSDP

Apply RS485B to OSDP

b. If the OSDP reader is encrypted, then **enable Encrypted**, and input the **encrypted key**.

c. Click **Scan**. The A094 will detect reader devices under the current bus (ensure devices are powered on and properly connected). A "Processing" prompt will appear—wait approximately **30 seconds** for the scan to complete.

d. The OSDP reader will display in the reader list automatically, and the status will be Online.



RS485

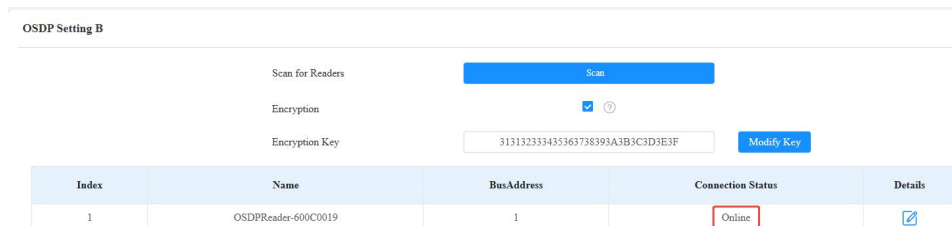
Apply RS485A to OSDP

Apply RS485B to OSDP

OSDP Setting

Encryption Key 313132333435363738393A3B3C3D3E3F Modify Key

Index	Name	BusAddress	Connection Status	Details
1	OSDPReader-600C0019	0	Offline: Physical connection abnormal	



OSDP Setting B

Scan for Readers Scan

Encryption ☒ ⓘ

Encryption Key 313132333435363738393A3B3C3D3E3F Modify Key

Index	Name	BusAddress	Connection Status	Details
1	OSDPReader-600C0019	1	Online	

- e. If user click Scan before set up the encryption, then the Connection status will display Offline, and the error is " EncryptionKey or Encryption Error" .

OSDP Setting B

Scan for Readers


Scan

Encryption

☐ ?

Encryption Key


Modify Key

Index	Name	BusAddress	Connection Status	Details
1	OSDPReader-600C0019	1	Offline: EncryptionKey or Encryption Error	

3. Real-Time Monitoring

The web interface will display the following details of scanned readers:

- **Device Name:** format is *OSDPReader + Serial number*.
- **Address**
- **Serial Number**
- **Firmware**
- **Status**

Index	Name	BusAddress	Connection Status	Details
1	OSDPReader-600C0019	1	Online	

3S485 >> Detail

Osdp Reader Info

BusAddress

1

Name

OSDPReader-600C0019

Serial Number

60-0C-00-19

Firmware

5.62.0

Status

Support Encryption, Encrypted, Tamper

Refresh

4. Operations

Once the connection status shows "**Online**", you may proceed with:

- Card authentication (swiping/tapping)
- PIN code input

And the operations will be recorded in the **Access log**.

The screenshot shows the 'Access Log' interface. On the left is a sidebar with navigation options: Home Screen, Status, Info, Access Log (selected), Event Log, Network, Access Control, and Directory. The main area is titled 'Status» Access Log'. It features a 'Save Access Log Enabled' checkbox (checked) and a search bar with 'All' selected, 'Start Time' and 'End Time' fields, a 'Name/Code' field, and 'Search' and 'Export' buttons. Below this is a table with columns: Index, User ID, Name, Code, Type, Door ID, Date, Time, Mode, and Status. The table contains three rows of data. At the bottom, there are 'Delete' and 'Delete All' buttons, a 'Prev' button, a page indicator '1/1', a 'Next' button, a page number input '1', and a 'Go' button.

	Index	User ID	Name	Code	Type	Door ID	Date	Time	Mode	Status
<input type="checkbox"/>	1	1	212	DAC5489B	Card	1	2025-04-30	05:53:15	Normal	Success
<input type="checkbox"/>	2	1	212	DAC5489B	Card	1	2025-04-30	02:43:44	Normal	Success
<input type="checkbox"/>	3	--	Visitor	DAC5489B	Card	--	2025-04-30	02:43:24	Normal	Failed

Note: The Door ID means which relay be triggered by this PIN/Card. You can set it under the **User** settings. Door ID 1 indicates the Relay 1 is unlocked.

The screenshot shows two interfaces. The top one is 'RF Card', which has a 'Code' field with 'DAC5489B', 'Obtain' and 'Delete' buttons, and an 'Add' button. The bottom one is 'Access Setting'. It has an 'Allow To Open' section with checkboxes for Relay1 (checked), Relay2, Relay3, and Relay4. Below this are 'Floor No.' (set to 'None') and 'Web Relay' (set to '0'). At the bottom, there are two lists: 'Unselected Schedules' with '1002:Never' and 'Selected Schedules' with '1001:Always'. Navigation arrows are present between these lists.

5. Troubleshooting

a. A094 fail to scan and detected the reader

If the OSDP reader list is empty after click Scan, please check whether the


OSDP reader wiring and make sure it connects to the A094.

OSDP Setting A

Scan for Readers

Encryption ☒

Encryption Key

Index	Name	BusAddress	Connection Status	Details
 No Data				

b. EncryptionKey or Encryption Error


If the encryption configuration is not match with the OSDP reader, please correct the encryption configuration. After you modify the settings and click **Submit**, the A094 will detect the OSDP reader automatically.

OSDP Setting B

Scan for Readers

Encryption ☐

Encryption Key

Index	Name	BusAddress	Connection Status	Details
1	OSDPReader-600C0019	1	Offline: EncryptionKey or Encryption Error	

c. Offline: Physical connection abnormal


Suppose the OSDP reader suddenly disconnects, the A094 will try to reconnect it. If the connection is still unresponsive after 1 minute. Then, please check the wiring cable.

OSDP Setting A

Scan for Readers

Encryption ☒

Encryption Key

Index	Name	BusAddress	Connection Status	Details
1	OSDPReader-600C0019	0	Offline: Physical connection abnormal	

6. Reader Physical Feedback Status

a. Access Granted:

- LED: Green light illuminates for 5 seconds
- Buzzer: Continuous beep

b. Access Denied:

- LED: Red light illuminates for 5 seconds
- Buzzer: Three short beeps (0.5s each with 0.3s intervals)

c. Standby Mode:

- LED: Blue light (default state)
- Buzzer: Silent