A094 OSDP Reader Configuration
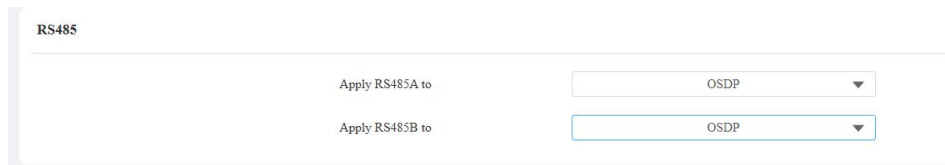
1. Wiring

Wiring OSDP reader to A094.

2. Device Scanning

Path: Device > RS485

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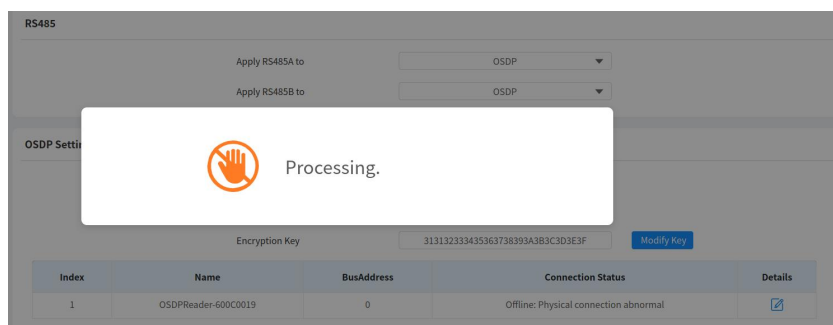

b. If the OSDP reader is encrypted, then **enable Encrypted**, and input the **encrypted key**.

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.

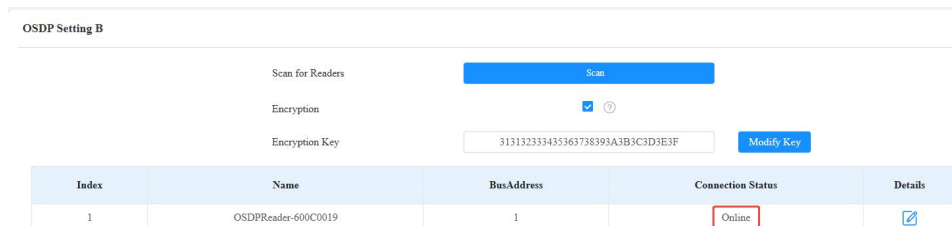d. The OSDP reader will display in the reader list automatically, and the status will be Online.

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		☐ ⑦		
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	✎

RS485 » Detail

Osdp Reader Info

BusAddress	1
Name	OSDPReader-600C0019
Serial Number	60-0C-00-19
Firmware	5.62.0
Status	Suport 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**.

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.

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.

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.

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.

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