

Configure OSDP Secure and Unsecure

Overview

The Rock supports independent communication interfaces for the Badge Reader and the ACS Panel.
It is possible to set one to Wiegand and the other to OSDP, or one to OSDP secure channel and the other to OSDP unsecure channel.

Pre-requirements:

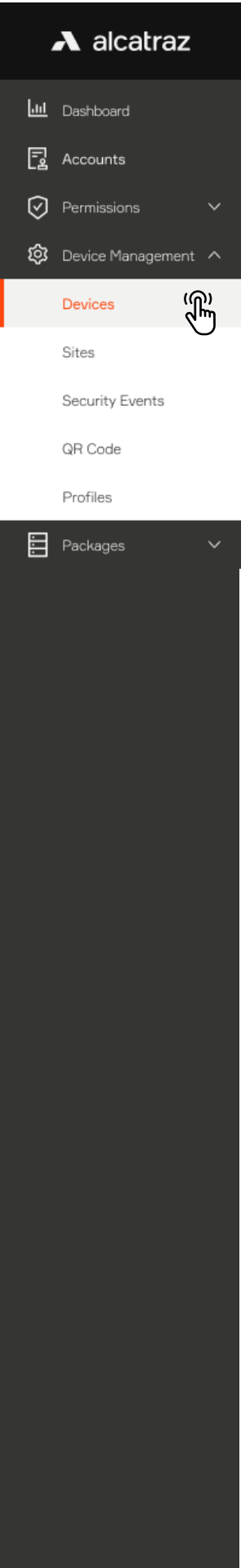
- 1. Rock is installed and powered up (refer to Install Guide)
- 2. Access to the ACS Panel (for OSDP setup between ACS Panel and Rock)
- 3. Access to the Badge Reader (for OSDP setup between Rock and Badge Reader)
- 4. Access to the Alcatraz AI Admin Portal (request login credentials)



Required from ACS Panel to configure OSDP:
Device address = [range 0 - 126]
Baud rate = 57600 (example)
Enable secure/install mode - for OSDP secure channel ONLY
*enabling OSDP will vary with ACS panels

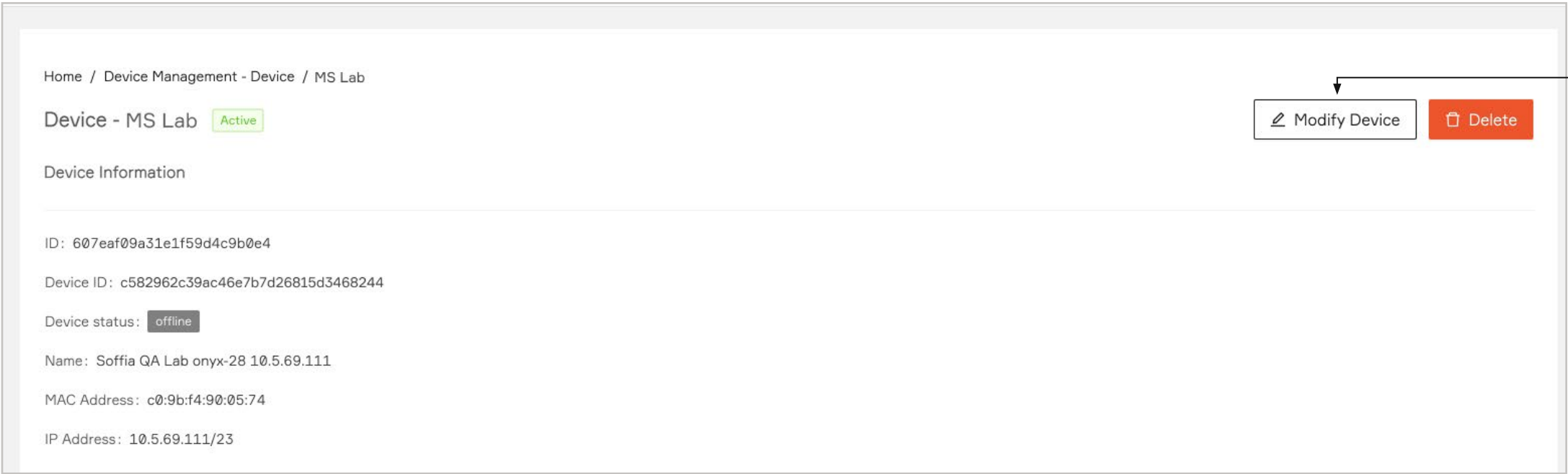
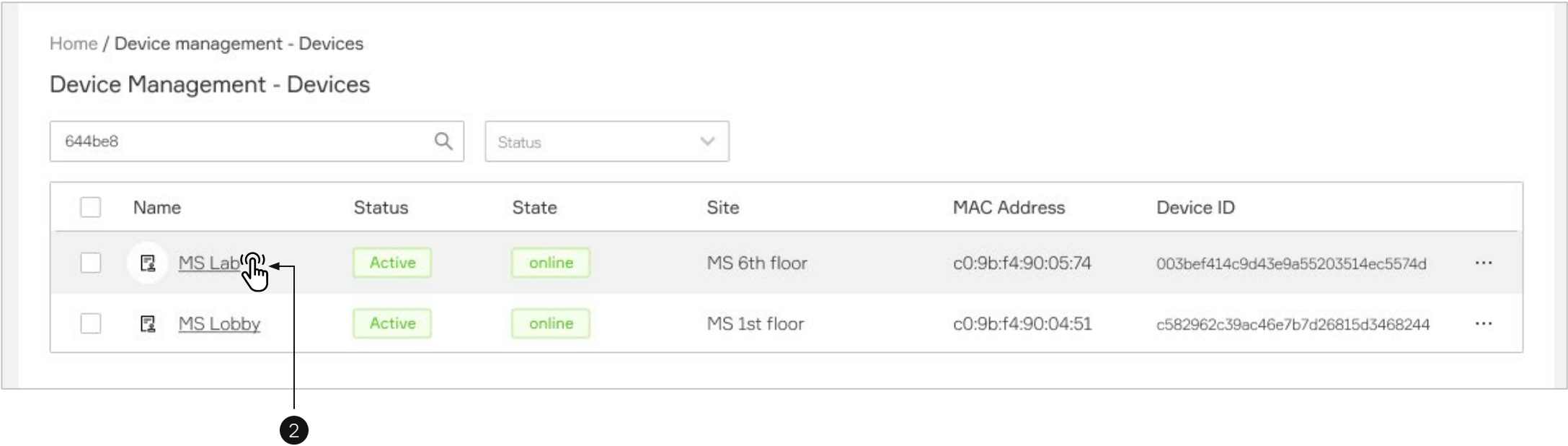
Required from Badge Reader to configure OSDP:
Device address = [range 0 - 126]
Baud rate = 57600 (example)
Enable secure/install mode - for OSDP secure channel ONLY
*enabling OSDP will vary with Badge Readers








Configuring OSDP in the Alcatraz AI Admin Portal


- 1. Go to **Device Management** and select **Devices**.
- 2. Click on the Name of the Rock to open the Rock's info page.
- 3. Click on **Modify Device** to open up the configurations page.






 Dashboard

 Accounts

 Permissions

 Device Management


Devices

Sites

Security Events

QR Code

Profiles

 Packages

4. Scroll down the page to **Device Configuration**.
5. Expand either of the following to configure.

A. Communication with Badge reader

B. Communication with ACS

Device Configuration

Advanced ☐

> Device Mode

> LED Control

> ONVIF

> Hold Signal Detection

> ACS Alerts

> Communication with Badge reader

> Communication with ACS

Cancel

Submit →

5



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Dashboard

Accounts

Permissions

Device Management

Devices

Sites

Security Events

QR Code

Profiles

Packages

Rock Communication with Reader

- 1. Select **OSDP**
- 2. Enter the Badge Reader's
 - a. Baud Rate
 - b. Device Address
 - c. Select **Unsecure** or **Secure** OSDP channel mode
 - d. If selecting Secure channel, confirm to proceed with setup

Communication with Badge reader

Indicate which protocol the badge reader will use to communicate with the Rock.

Disabled

Wiegand

OSDP

Baud Rate

9600

Device Address

0

Unsecure mode

Secure channel

1

Unsecure mode

Communication with Badge reader

Indicate which protocol the badge reader will use to communicate with the Rock.

Disabled

Wiegand

OSDP

Baud Rate

9600

Device Address

0

Unsecure mode

Secure channel

Secure mode

Communication with Badge reader

Indicate which protocol the badge reader will use to communicate with the Rock.

Disabled

Wiegand

OSDP

Baud Rate

9600

Device Address

0

Unsecure mode

Secure channel

Enabling secure mode will require new key exchange.Are you sure you want to proceed?

Revert

Confirm

- 3. Click **Submit**

Ver. 1.01

5

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Dashboard

Accounts

Permissions

Device Management

Devices

Sites

Security Events

QR Code

Profiles

Packages

Rock Communication with ACS

1. Select OSDP
2. Enter the ACS'

a. Baud Rate

b. Device Address

c. Select **Unsecure** or **Secure** OSDP channel mode

d. If selecting Secure channel, confirm to proceed with setup

Communication with ACS

Indicate which protocol the ACS will use to communicate with the Rock.

Disabled

Wiegand

OSDP

Baud Rate

9600

Device Address

0

Unsecure mode

Secure channel

Unsecure mode

Communication with ACS

Indicate which protocol the ACS will use to communicate with the Rock.

Disabled

Wiegand

OSDP

Baud Rate

9600

Device Address

0

Unsecure mode

Secure channel

Secure mode

Communication with ACS

Indicate which protocol the ACS will use t

Disabled

Wiegand

OSDP

Baud Rate

9600

Device

0

Unsecure mode

Secure channel

Disabling secure mode will delete keys. Re-enabling will require new keys. Are you sure you want to proceed?

Revert

Confirm

3. Click **Submit**

Ver. 1.01

6

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Dashboard

Accounts

Permissions

Device Management

Devices

Sites

Security Events

QR Code

Profiles

Packages

Changing from Secure to Unsecure Channel

OSDP requires the exchange of encryption keys. To change from secure channel to unsecure channel, the keys will be deleted. Confirm to continue when changing to Unsecure mode.

Communication with Badge reader

Indicate which protocol the badge reader

Disabled

Wiegand

OSDP

Baud Rate

9600

Device

0

Revert

Confirm

Unsecure mode

Secure channel

Communication with ACS

Indicate which protocol the ACS will use t

Disabled

Wiegand

OSDP

Baud Rate

9600

Device

0

Revert







Confirm

Unsecure mode

Secure channel



Troubleshooting

Troubleshooting			
OLED		Issue	Action
Rock ↔ ACS Panel	Rock ↔ Badge Reader		
		No communications between Rock device and ACS Panel or Badge Reader	Check: <ul style="list-style-type: none">■ Address/baud rate for mismatch■ Address/baud rate is valid■ Bad connections■ Devices are powered on
		Rock device is in Install mode, but secure link has not been established with the ACS Panel or Badge Reader *Applicable to OSDPv2 only.	Check: <ul style="list-style-type: none">■ OSDP install mode is enabled on ACS/Badge Reader■ OSDP secure channel is supported by ACS/Badge Reader
		Rock device is in Install mode, but no communications with the ACS Panel or Badge Reader. *Applicable to OSDPv2 only.	Check: <ul style="list-style-type: none">■ Address/baud rate for mismatch■ Address/baud rate is valid■ Bad connections■ Devices are powered on■ OSDP install mode is enabled on ACS/Badge Reader■ OSDP secure channel is supported by ACS/Badge Reader

Wiring Details

Rock ↔ Reader (OSDP)		
Reader Type	Rock Green Wire	Rock White Wire
HID (Legacy)	GPIO1 (Red/Green)	GPIO2 (Tan)
HID Signo	485-A (White)	485-B (Green)
Farpoint OSDP	Green	White
WaveLynx OSDP	RS 485A (Green)	RS 485B (White)

Rock ↔ Panel (OSDP)		
Panel Type	Rock Green Wire	Rock White Wire
Mercury	CLK/D1	DAT/D0
iStar IUltra	D+	D-
AMAG SR	Rx+	Rx-

