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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 Al Admin Portal (request login credentials)

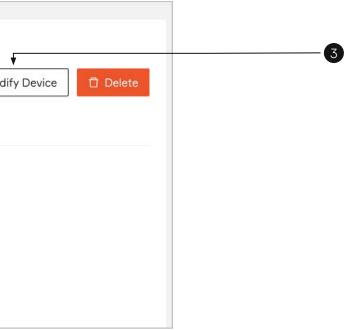


Required from ACS Panel to configure OSDP: Device address = [range 0 - 126] Baud rate = 57600 (example) Enable secure/install mode - for OSDP secure channel ONLY *enabling OSDP will vary with ACS panels Required from Badge Reader to configure OSDP: Device address = [range 0 - 126] Baud rate = 57600 (example)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

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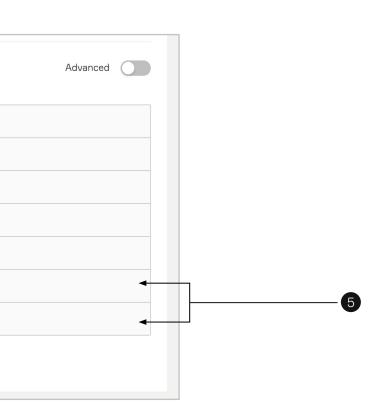
A alcatraz	Configuring OSDP in the	e Alcatraz A	l Admin Por	tal			
	1. Go to Device Management an						
Lul Dashboard	 Click on the Name of the Rock to open the Rock's info page. Click on Modify Device to open up the configurations page. 						
Accounts	o. Click on Houry Device to open up the configurations page.						
Permissions 🗸 🗸							
😥 Device Management 🔨							
Devices (
Sites	Home / Device management - D)evices					
Security Events	Device Management - De						
QR Code	Device Management - De	evices					
Profiles	644be8	Q	Status	~			
E Packages 🗸	Name	Status	State	Site	MAC Address	Device ID	
		Active	online	MS 6th floor	c0:9b:f4:90:05:74	003bef414c9d43e9a55203514ec5574d	
	S MS Lobby	Active	online	MS 1st floor	c0:9b:f4:90:04:51	c582962c39ac46e7b7d26815d3468244	
	Home / Device Management - Device / Device - MS Lab Active Device Information ID: 607eaf09a31e1f59d4c9b0e4 Device ID: c582962c39ac46e7b7d2681 Device status: offine Name: Soffia QA Lab onyx-28 10.5.69.1	MS Lab				Modify Device	Delete
	MAC Address: c0:9b:f4:90:05:74						
	IP Address: 10.5.69.111/23						

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4. Scroll down the page to **Device Configuration**. A alcatraz Expand either of the following to configure. A. Communication with Badge reader B. Communication with ACS Jul Dashboard 🛃 Accounts Permissions Device Configuration 🔯 Device Management 🔨 > Device Mode Devices Sites > LED Control Security Events > ONVIF QR Code > Hold Signal Detection Profiles > ACS Alerts Packages > Communication with Badge reader > Communication with ACS Cancel Submit \rightarrow

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A alcatraz	Rock Communication with Reader				
	1. Select OSDP				
Lul Dashboard	 Enter the Badge Reader's Baud Rate 				
Z Accounts	b. Device Address				
Permissions V	 c. Select Unsecure or Secure OSDP channel mode d. If selecting Secure channel, confirm to proceed with setup 				
🔯 Device Management 🔨					
Devices					
Sites	✓ Communication with Badge reader				
Security Events					
QR Code	Indicate which protocol the badge reader will use to communicate with the Rock.				
Profiles	Disabled				
	Wiegand				
Packages 🗸 🗸	● OSDP ◀				
	Davies Address				
	Baud Rate Device Address				
	9600 V 0 Unsecure mode Secure channel				
	Unsecure mode	Secure mode			
	✓ Communication with Badge reader	✓ Communication with Badge reader			
	Indicate which protocol the badge reader will use to communicate with the Rock.	Indicate which protocol the badge reader will use to communicate with the Rock.			
	Disabled	 Disabled Inabling secure mode will require 			
	Wiegand	Wiegand new key exchange. Are you sure you			
	● OSDP	OSDP want to proceed?			
	Baud Rate Device Address	Revert Confirm Baud Rate Device Address			
	9600 V 0 Unsecure mode Secure channel	9600 V 0 Unsecure mode Secure channel			
	3. Click Submit				

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Rock Communication with ACS

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

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

1. Select OSDP

2. Enter the ACS' a. Baud Rate

b. Device Address

- Z Accounts
- Permissions

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🔯 Device Management 🔿

Devices

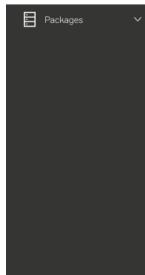
Jul Dashboard

Sites

Security Events

QR Code

Profiles



Indicate which pro	tocol the ACS will us	se to commun	icate with the Rock.				
 Disabled 							
🔘 Wiegand							
● OSDP ◄							
Baud Rate	Dev	vice Address					
9600	~ 0		Unsecure mode	Secure channel	7		

Unsecure mode

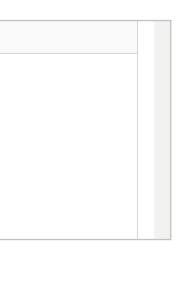
V	Communication with ACS
	Indicate which protocol the ACS will use to communicate with the Rock.
	○ Disabled
	○ Wiegand
	● OSDP
	Baud Rate Device Address
	9600 V 0 Unsecure mode Secure channel

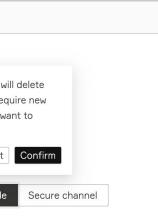
Secure mode

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Communication with AC	CS	
Indicate which protocol		abling secure mode w
Wiegand		s. Re-enabling will rec s. Are you sure you w
• OSDP	pro	ceed?
		Revert
Baud Rate	Device	
9600	~ 0	Unsecure mode

3. Click Submit





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	Dashboard	
Ŀ	Accounts	
\oslash	Permissions	~
ŝ	Device Management	^
	Devices	
	Sites	

Security Events

QR Code

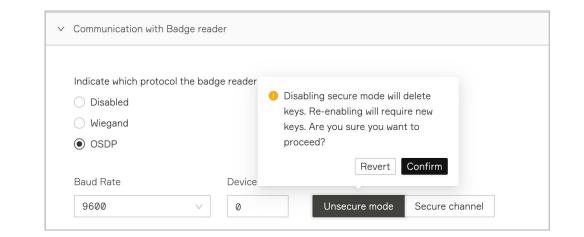
Profiles

Packages



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.

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Indicate which protoco	I the ACS will use t			
O Disabled		 Disabling secure mode will delete keys. Re-enabling will require new 		
🔘 Wiegand		keys. Are you sure you want to		
OSDP		proceed?		
		Revert Confirm		
Baud Rate	Device			

Troubleshooting

Troubleshooting				
OLED		Issue	Action	
Rock <> ACS Panel	Rock <> Badge Reader			
*		No communications between Rock device and ACS Panel or Badge Reader	Check: Address/baud rate for mismatch Address/baud rate is valid Bad connections Devices are powered on	
ဒု		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: • OSDP install mode is enabled on ACS/Badge Reader • OSDP secure channel is supported by ACS/Badge Reader	
* ?	Ř	Rock device is in Install mode, but no communications with the ACS Panel or Badge Reader. *Applicable to OSDPv2 only.	Check: 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-		

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