



Acre Multi-tech Reader with ACTpro – OSDP Protocol

This document describes the process for connecting the acre multi-tech reader to ACTpro, using OSDP. The readers are configured to read the acre supplied LEAF credentials.

1. Reader Detail

The acre multi-tech reader has a built-in auto-detect function, meaning depending on how you wire the reader, it will configure itself accordingly (OSDP / Wiegand), however this guide will focus on connecting as an OSDP reader.

Note – If a reader has been connected as OSDP, then it will lock itself to this format, and a config token will be required to revert to Auto-detect mode.
See chapter 4 for further detail on this.

2. Wiring a Reader - OSDP

The reader is wired in the following way:

Reader	ACTpro 1500e
Red	+12v
Black	0v
Green (RS485-A)	OSDP / NET A
White (RS485-B)	OSDP / NET B

Note – acre multi-tech readers are 12vdc

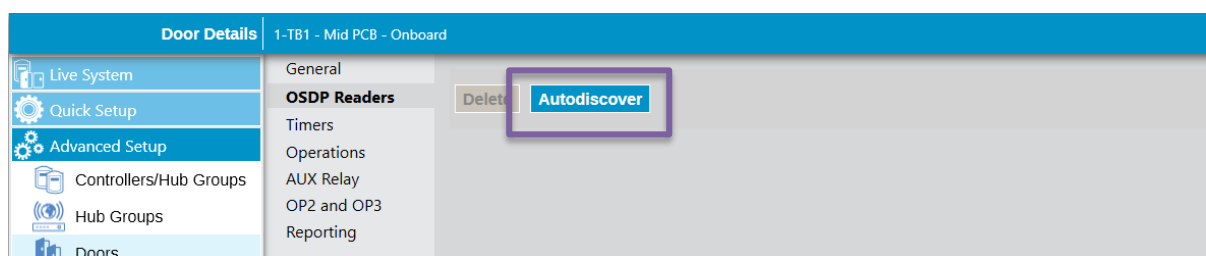
3. Adding an OSDP Reader

For ACTpro to read cards presented to the reader, the OSDP readers need to be discovered by the system.

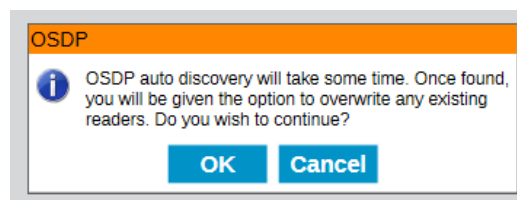
Note - The guide considers the controller has already been configured to accept OSDP readers:

ACT Install > Advanced Setup > Doors > *Door* > OSDP Readers:

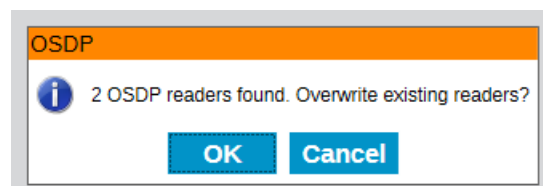
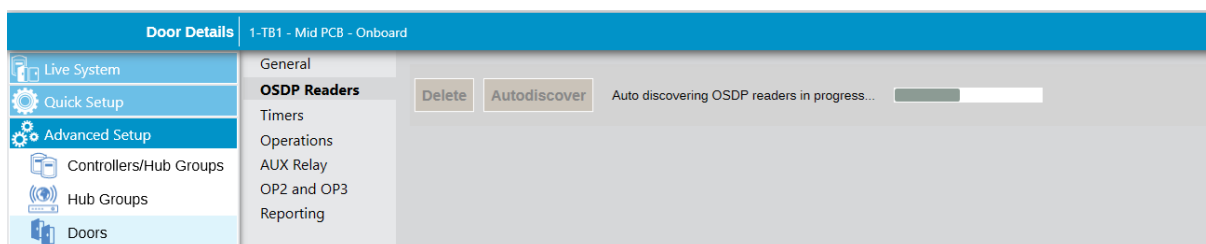
From the OSDP Readers menu select “Autodiscover”:



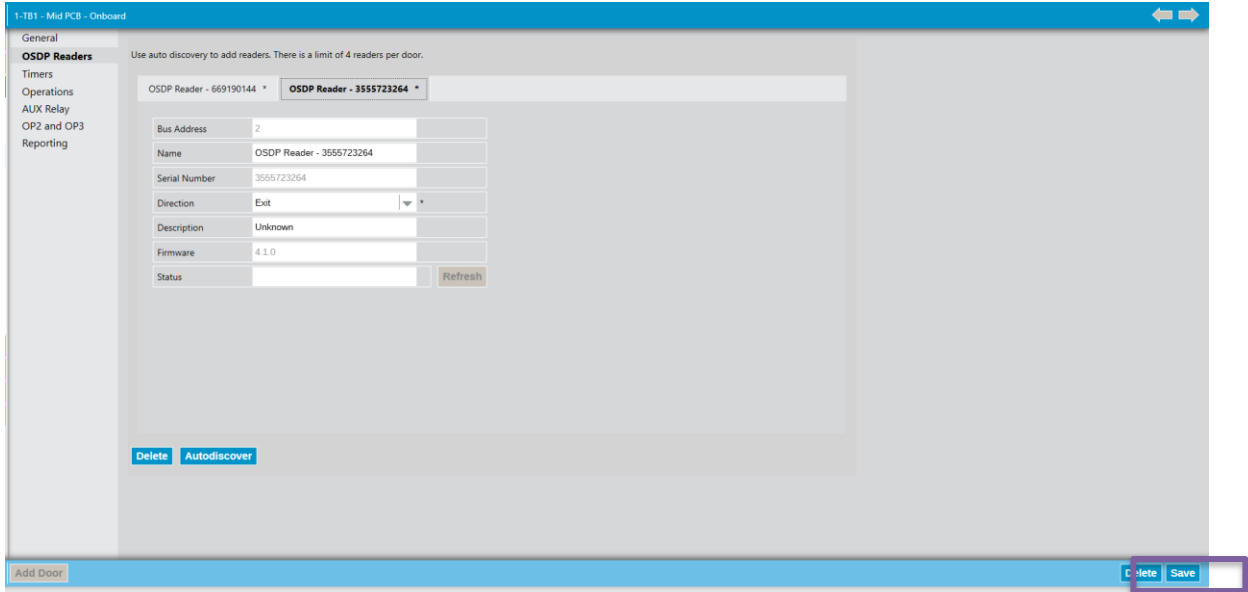
If the readers have been connected correctly, the system will detect up to 4 OSDP readers.



Wait for the progress bar to complete, and confirm if readers have been found:



After acknowledging that readers have been found you can now select the different readers and define whether they are Entry / Exit readers. Once this is defined, select “Save”.



1-TB1 - Mid PCB - Onboard

General

OSDP Readers

Timers

Operations

AUX Relay

OP2 and OP3

Reporting

Use auto discovery to add readers. There is a limit of 4 readers per door.

OSDP Reader - 669190144 * OSDP Reader - 3555723264 *

Bus Address	2
Name	OSDP Reader - 3555723264
Serial Number	3555723264
Direction	Exit
Description	Unknown
Firmware	4.1.0
Status	

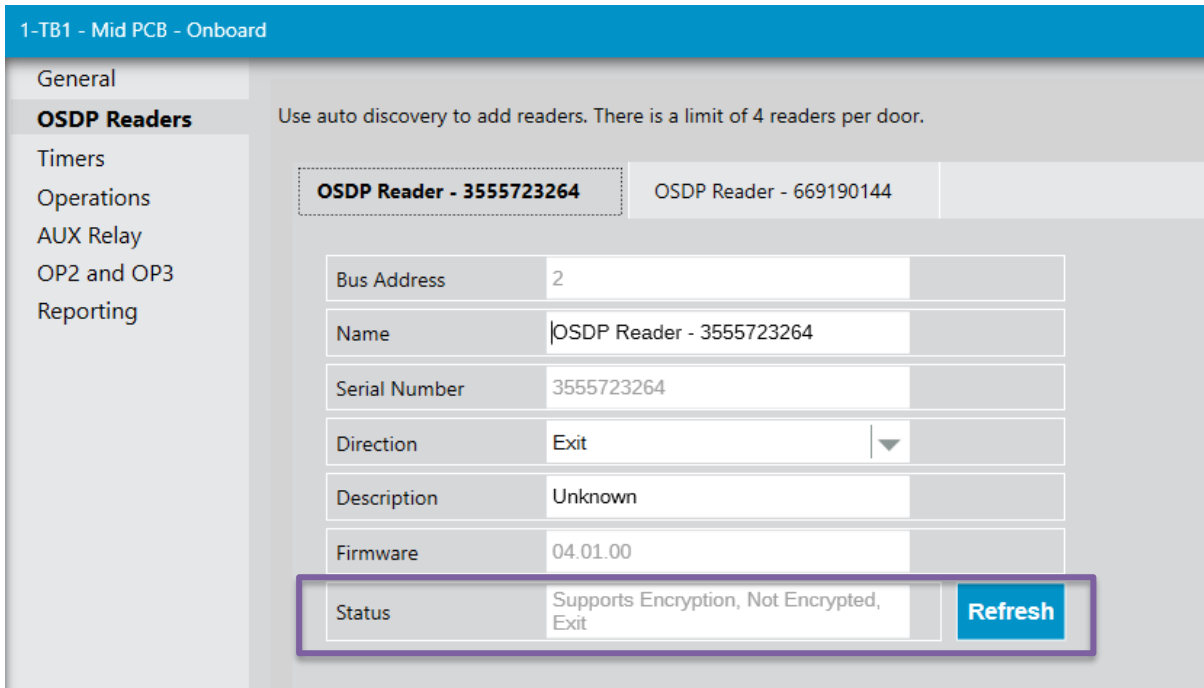
Refresh

Delete Autodiscover

Add Door

Delete Save

If the status field is blank, selecting “Refresh” should poll the reader and provide some information about the reader.



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OSDP Reader - 3555723264 OSDP Reader - 669190144

Bus Address	2
Name	OSDP Reader - 3555723264
Serial Number	3555723264
Direction	Exit
Description	Unknown
Firmware	04.01.00
Status	Supports Encryption, Not Encrypted, Exit

Refresh



Presenting a card to any of the online readers, you should now see some corresponding events.

Live System							Add Controller	Add Door	Autodiscover	View Options
Live System	TB1 - Mid PCB Controller	Time	Event	Location	Details	Card Number				
Quick Setup	TB1 - Mid PCB - Onboard	28-01-2025 14:53:50	Exit Granted	TB1 - Mid PCB - Onboard	Test Card	10101				
Advanced Setup		28-01-2025 14:53:43	Access Granted	TB1 - Mid PCB - Onboard	Test Card	10101				
		28-01-2025 14:52:19	Reader Online	TB1 - Mid PCB - Onboard	OSDP Reader - 669190144					
		28-01-2025 14:52:19	Reader Online	TB1 - Mid PCB - Onboard	OSDP Reader - 3555723264					

Acre multi-tech readers can also be added to ACTpro secured by OSDP encryption, further detail on how to enable OSDP encryption can be found in the ACTpro help guides.

Live System							Add Controller	Add Door	Autodiscover	View Options
Live System	TB1 - Mid PCB Controller	Time	Event	Location	Details	Card Number				
Quick Setup	TB1 - Mid PCB - Onboard	28-01-2025 15:22:21	OSDP reader encrypted	TB1 - Mid PCB - Onboard	OSDP Reader - 669190144					
		28-01-2025 15:22:21	OSDP reader encrypted	TB1 - Mid PCB - Onboard	OSDP Reader - 3555723264					

NOTE - The following LEAF credentials from the acre portfolio have been compatibility tested with the acre multi-tech readers and ACTpro:

Credential Part Number	Description
50D4-AS	LEAF, EV2 4K ISO Card
50D8-AS	LEAF, EV2 8K ISO Card
50H4-AS	LEAF, EV2 8K ISO Card w/ Mag Stripe
50H8-AS	LEAF, EV2 Dual Frequency Prox + 4K ISO Card
51H8-AS	LEAF, EV2 Dual Frequency Prox + 8K ISO Card
60H8-AS	LEAF, EV2 8K Keyfob
50L4-AS	LEAF, EV3 4K ISO Card
50L8-AS	LEAF, EV3 8K ISO Card



4. Re-enable OSDP Auto-detect

If the reader has previously been connected as an OSDP reader, it will be fixed to OSDP mode, and needs to be “reset” before being usable as a Wiegand reader:

To re-enable Wiegand functionality (OSDP Auto-detect mode), you will need to enter the token via the Configure Mobile App:

Within the Configure App, navigate to:

- Profiles & Cards → Connect to reader → Download
use Token: **c-ejsQmSnJ**

- Apply to reader

Apps are available here:

Android:

https://play.google.com/store/apps/details?id=com.wavelynx.configure&pcampaignid=web_share

Apple: <https://apps.apple.com/gb/app/configure/id6645735994>

SUPPORT INFORMATION



If you have any questions, please contact our Global Technical Services team.
Contact details can be found on our website.