

# Suprema XPass D2 with Suprema Airfob Access

## Overview

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The Suprema XPass D2 is a Compact External Door reader that supports a large range of token technologies from 26bit Wiegand, HID 37bit and Corporate, MIFARE Classic 32bit and MIFARE DESFire 58bit and 56bit.

This reader also supports the use of Mobile Cards like Smart Cards and Mobile phone applications like the Suprema Airfob ecosystem.

With Net2 not having a Bluetooth and Mobile option, unlike our counterpart Paxton10, Support get numerous questions about this functionality. Such a Reader Integration and Airfob configuration could be a selling point for customers who want to fit more Net2 Products and use the lack of need for physical fobs as an additional selling point.



## Required components

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- Net2 Access Control v4.21 and above
- Net2 Plus Access Control Unit
- Suprema XPass D2 Reader
- Suprema Device Manager App (Android 5.0+ and iOS 10.0+)
- Suprema Airfob (Android 6.0+ and iOS 11.0+)
- Suprema Airfob Portal (via the [Airfob Portal Website](#))

## Weblinks

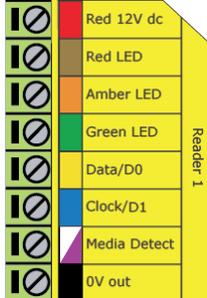
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- [Net2 Access Control Latest Version](#)
- [Suprema Device Manager App \(Google Play\)](#)
- [Suprema Device Manager App \(App Store\)](#)
- [Suprema Airfob \(Google Play\)](#)
- [Suprema Airfob \(App Store\)](#)

## Reader configuration

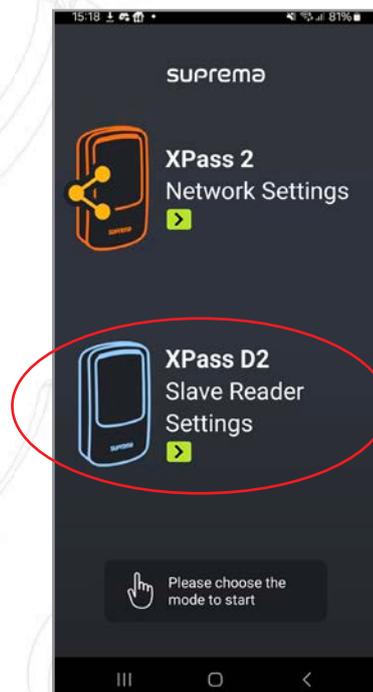
Cut and remove the Plug connector on the end of the cable, strip the relevant cores and wire them into a Net2 ACU Connector Block in the following configuration:

Cable Pinout	ACU terminal
Red	+12V
Orange	Red LED
-	Amber LED
Brown	Green LED
Green	Wiegand D0
White	Wiegand D1
-	NOT USED
Black	0V

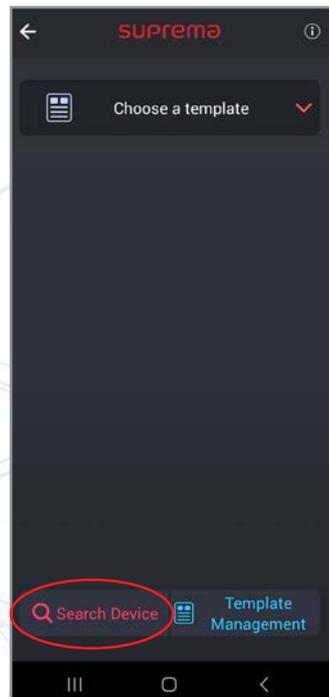


Ensure any unused wires are safely terminated.

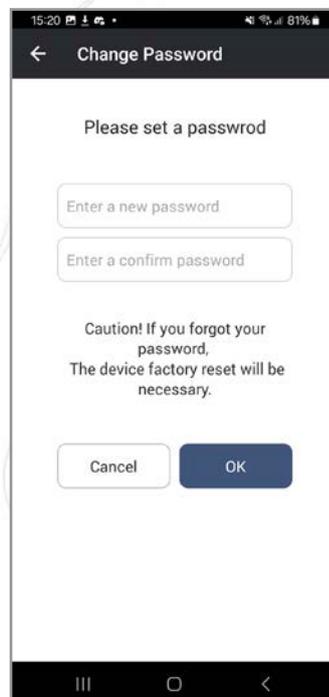
Once wired into the Net2 Plus ACU into a Reader port, download the Suprema Device Manager on the App Store on iOS or the Google Play Store on Android. Open the App and select 'XPass D2 Slave Reader Settings'.



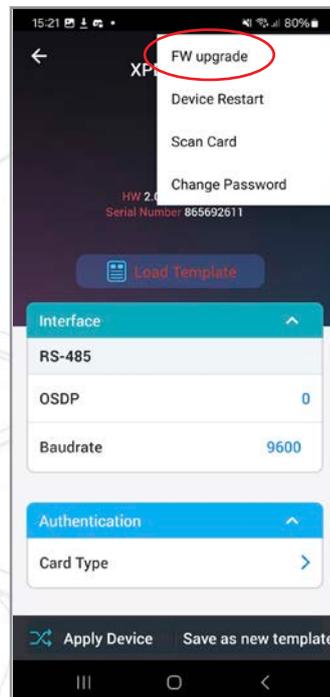
Once in this section, make sure the reader has power, your Bluetooth on your device is enabled and press the 'Search Device' option.



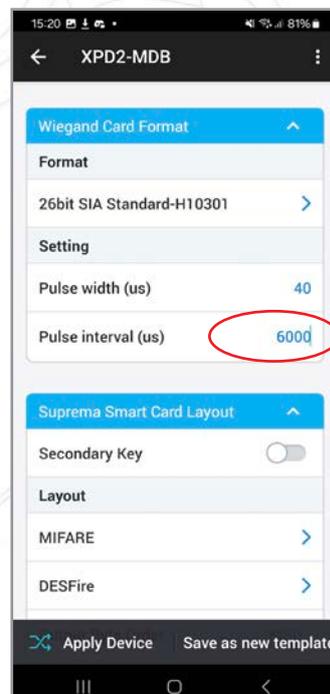
Select the reader that appears, and it will now prompt you to set a password, enter a password that you will use to enter the reader configuration by this app.



Once connected to the reader, if using a new reader, [download the latest firmware](#) for the Suprema reader to your mobile device. Select the three dots icon in the top right and select 'FW Update'. Browse your mobile device for the downloaded folder, unzip it and select the firmware file. This will update the device and reboot it.

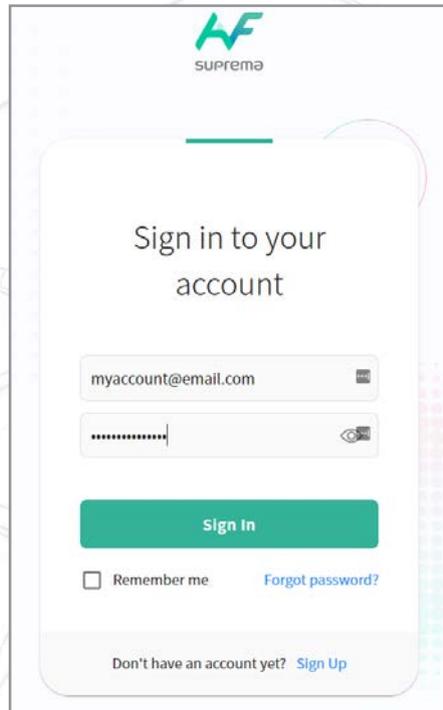


Once Complete, set the Baudrate under the interface option to '9600' and the Wiegand Card format settings to 26bit SIA Standard-H10301 with a Pulse Interval (us) of '6000' and select the apply device option to apply the changes.



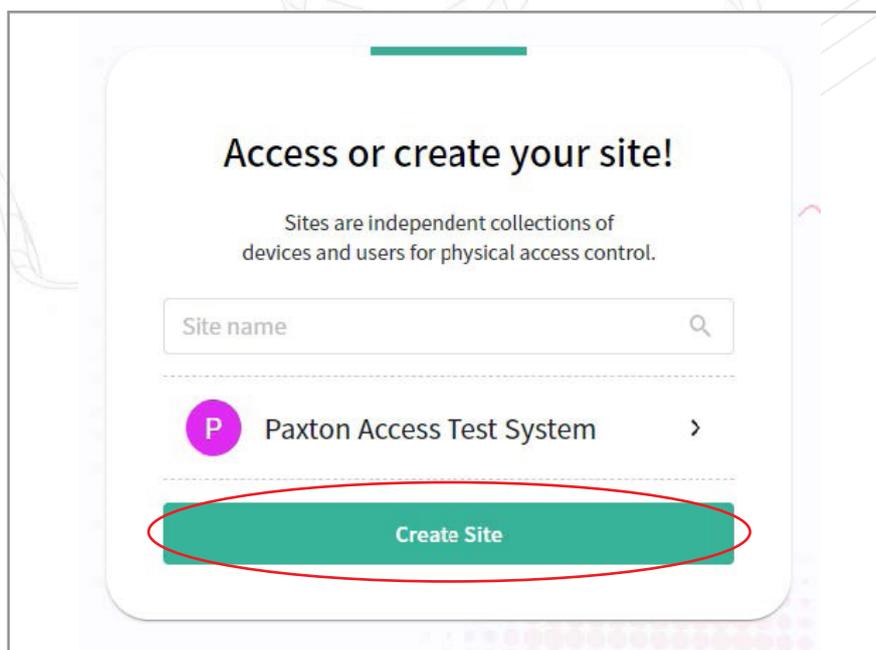
## Airfob portal

Browse to the Airfob Portal [Web portal](#) and select the option to 'Sign up' and complete the relevant steps to register.



The screenshot shows the sign-in page for the Airfob Portal. At the top, there is a logo with the letters 'HF' in green and 'suprema' in black below it. The main heading is 'Sign in to your account'. Below this, there are two input fields: the first contains the email address 'myaccount@email.com' and the second contains a masked password '.....'. A green 'Sign in' button is positioned below the password field. Underneath the button, there is a checkbox labeled 'Remember me' and a blue link 'Forgot password?'. At the bottom of the form, there is a link 'Don't have an account yet? Sign Up'.

When prompted, select the option of 'Create Site' and create a site. This will take you to the main portal homepage.



The screenshot shows the 'Access or create your site!' page. The heading is 'Access or create your site!'. Below the heading, there is a sub-heading: 'Sites are independent collections of devices and users for physical access control.' There is a search bar labeled 'Site name' with a magnifying glass icon. Below the search bar, there is a list item for 'Paxton Access Test System' with a purple circle containing the letter 'P' and a right-pointing chevron. At the bottom of the page, there is a green 'Create Site' button, which is circled in red.

When in Users, select the 'Add New User' option in the top right and provide them an ID, Name, Title, Department or an image and select the option of 'Add Card'. Enter a Unique Card ID you wish to use and input the email address you want to receive the credential to and select 'Issue'.

**User Info**

ID \* 101

Name Paxton Test

Title Test User

Department Test Department

**Mobile Access Card**

Card ID 3456789

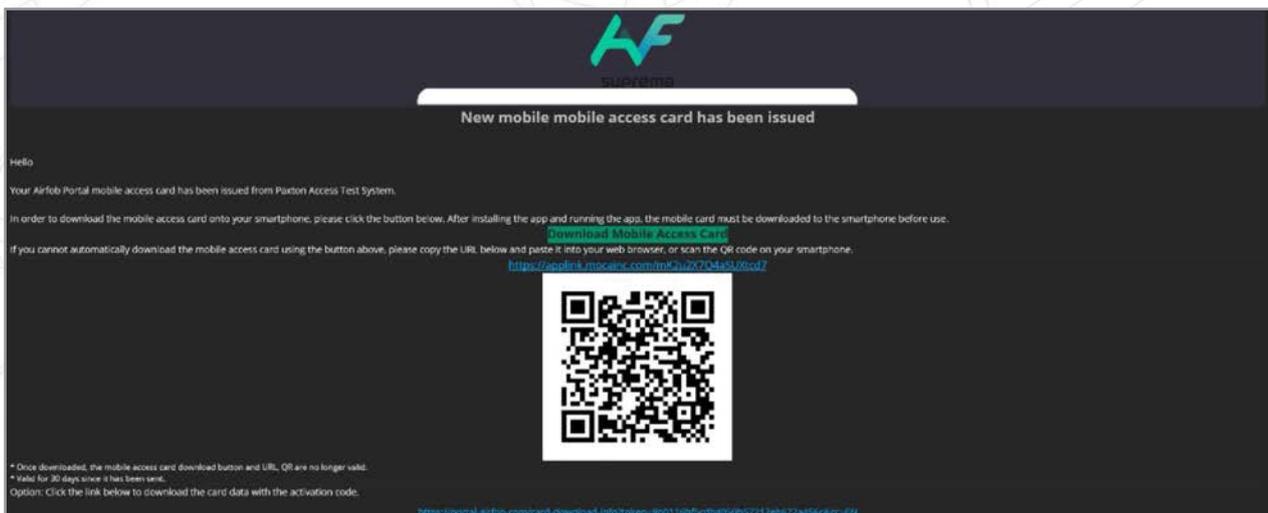
Receive Method  Email

Email myaccount@email.com

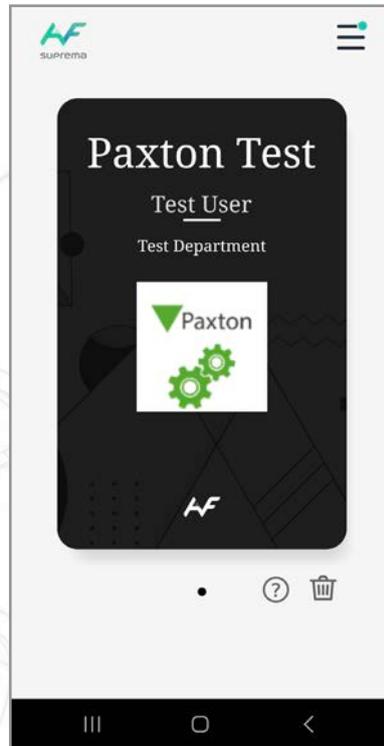
**Issue**

## Airfob app

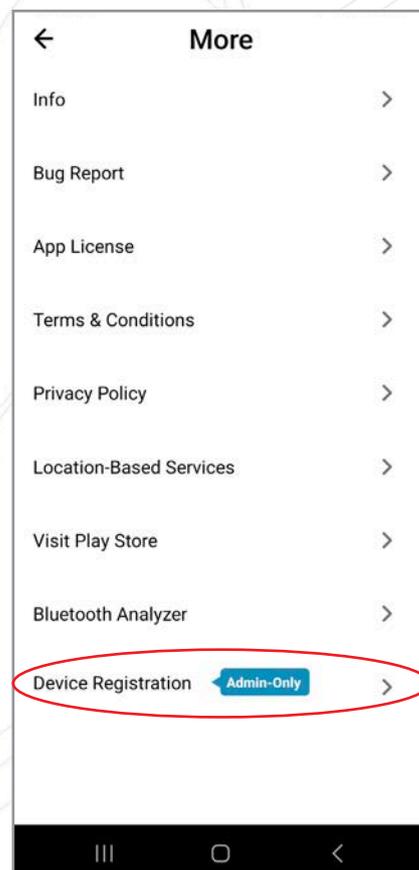
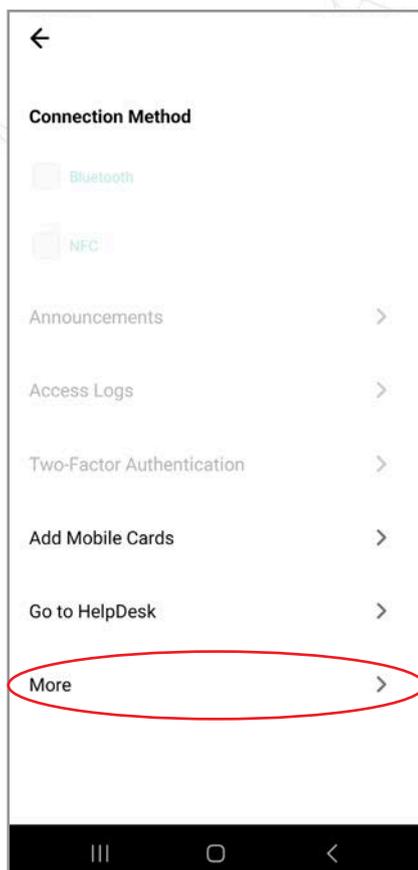
Locate the received email and download the app on your mobile device. Select the link to download the app or use your camera to read the QR Code. Once downloaded, select the link at the bottom of the email.



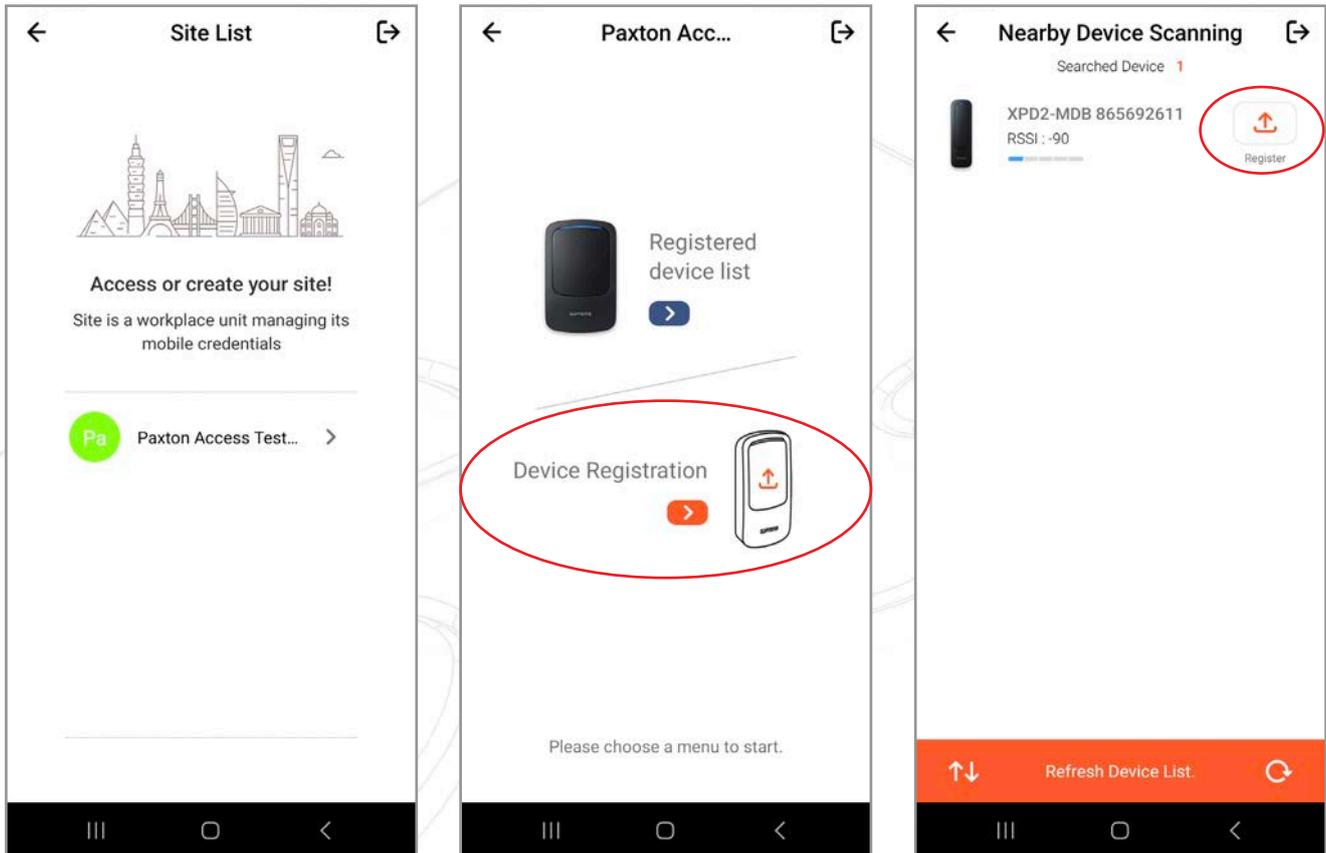
Following the instructions on this link and using the email and activation code in the Airfob App will now show a valid token on your system.



To now register the reader to your Airfob Portal, select the 'Burger' menu on the top right of the page where your card is displayed. This will then take you to a page called 'Connection Method'. You will need to select 'More'. On the next page select 'Device Registration'.



This will then ask you to login to your Airfob Portal, once you login select your site and then then select 'Device Registration'. At this point it will detect the Reader and select the 'Register' icon next to it.



## Net2 access control

On Net2 Access Control after bringing a door online, go into the door and set up the reader settings to the following:

- Reader Type – Wiegand Reader
- Keypad Type – None
- Token Data Format – Wiegand 26 Bit
- Reader Operating Mode – Token Only



At this point, go to 'New User', enter in the users details and then in the token number box, enter the card ID that was set up in the Airfob Portal earlier and select the 'Add User'. This will add a user with this token number and a valid credential will now be granted access.

**Add user**

Please select the type of token which you wish to issue

Token type: Default [New type]

First name: Paxton [Get picture]

Middle name: [Capture Picture]

Surname: Test

Department: (none) [v]

Access level: All hours, all doors [v]

Telephone: [v]

Fax: [v]

Valid from: 19/06/2024 [v]

Expires end: 19/06/2024 [v]

Address 1: [v]

Address 2: [v]

Town: [v]

County: [v]

Post code: [v]

Home telephone: [v]

Home Fax: [v]

Mobile: [v]

Card template: [v]

Email: [v]

Position: [v]

Start date: [v]

Car registration: [v]

Notes: [v]

Personnel number: [v]

PIN: [v] [Auto PIN]

Token number: 3456789

Token type: Unspecified [v] [Add Biometric]

When I click 'Add user' reload the token type default values

When I click 'Add user' retain the previous record values

[Close] [Add user]

The LED's will display as the following when the option of 'Display reader LED's in OEM style (not nano's) is ticked in the Net2 Configuration Utility:

LED colour	Description
Red	Ready to read
Green	Access granted
Blue & yellow flashing	Access denied



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