

How to configure a Paxton10 reader

Overview

Having a reader makes it possible to monitor and restrict access and control of a door or a device. Readers are most commonly used on doors as a method of access control, but with Paxton10 it is possible to control access of turning on/off equipment and machinery, setting or disarming intruder alarms, and much more.

Each Paxton10 controller can connect 2 readers, these readers can then be assigned to any controllable device on the Paxton10 system.

Mapping a reader

Once a Paxton10 controller is bound and its Door component is mapped to an Access point, the reader(s) connected to the controller will automatically be discovered and map to the same Access point.

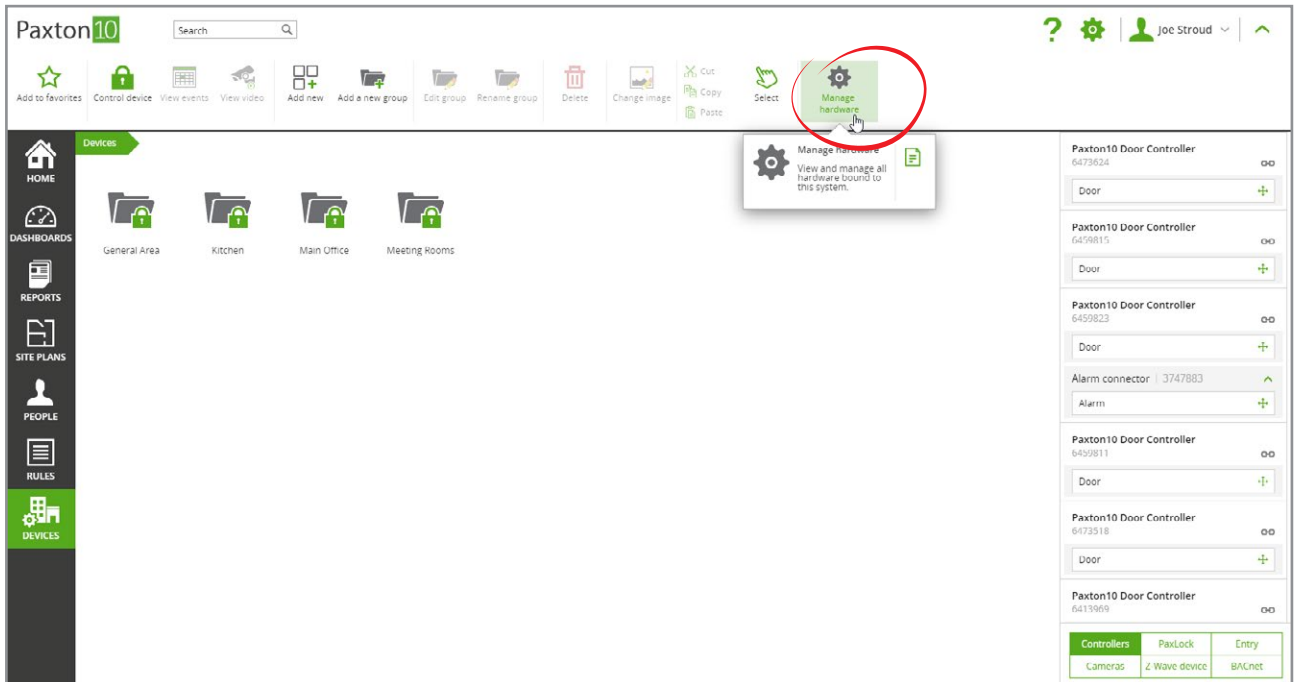
The screenshot shows the Paxton10 web interface. At the top, there is a search bar and user information for 'joe Stroud'. Below the search bar is a navigation menu with icons for 'Add to favorites', 'View events', 'View video', 'Add new', 'Delete', 'Change image', 'Control device', and 'Manage hardware'. The main content area is titled 'Devices > Kitcher > Door 1'. It features a 'Door 1' label with 'Door', 'Save', and 'Close' buttons. Below this are tabs for 'Configuration', 'Permissions', 'Group membership', and 'Installation'. The 'Installation' tab is active, displaying a table of device settings for 'Door Connector (3804536)'. The table has columns for the device name, status, and a 'Manage hardware' button. The settings are as follows:

Device Name	Status	Manage hardware
Door Connector (3804536)	Online	Manage hardware
Exit	Active	
Contact	Active	
PSU fail	Active	
Lock Output	Fail closed lock	
Relay 1	Alarm	
Relay 2	Lock	
Reader (4269399)	Offline	Manage hardware
Reader (3507353)	Online	Manage hardware

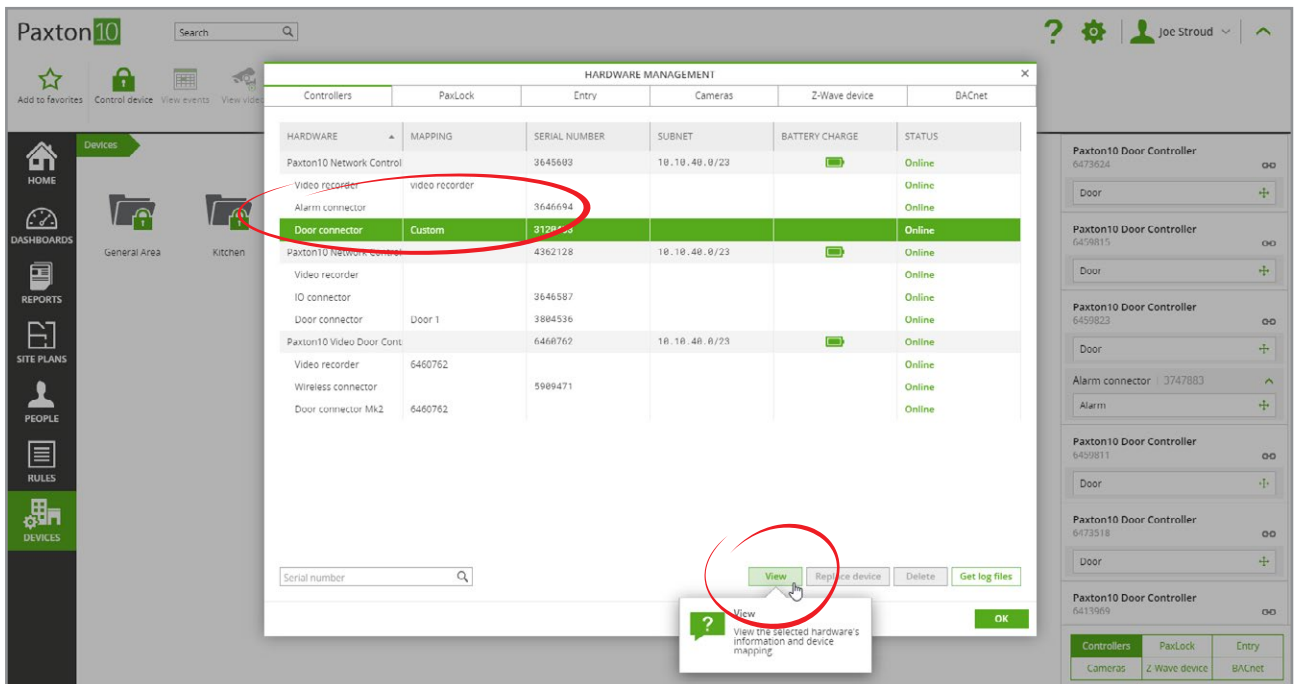
To bind and map a Paxton10 controller, follow the instructions in AN0004-US – How to add a Paxton10 controller <paxton.info/6104>

Sometimes the reader may need to be mapped to a different device e.g. to set an intruder alarm. To map the reader to a different device, complete the following:

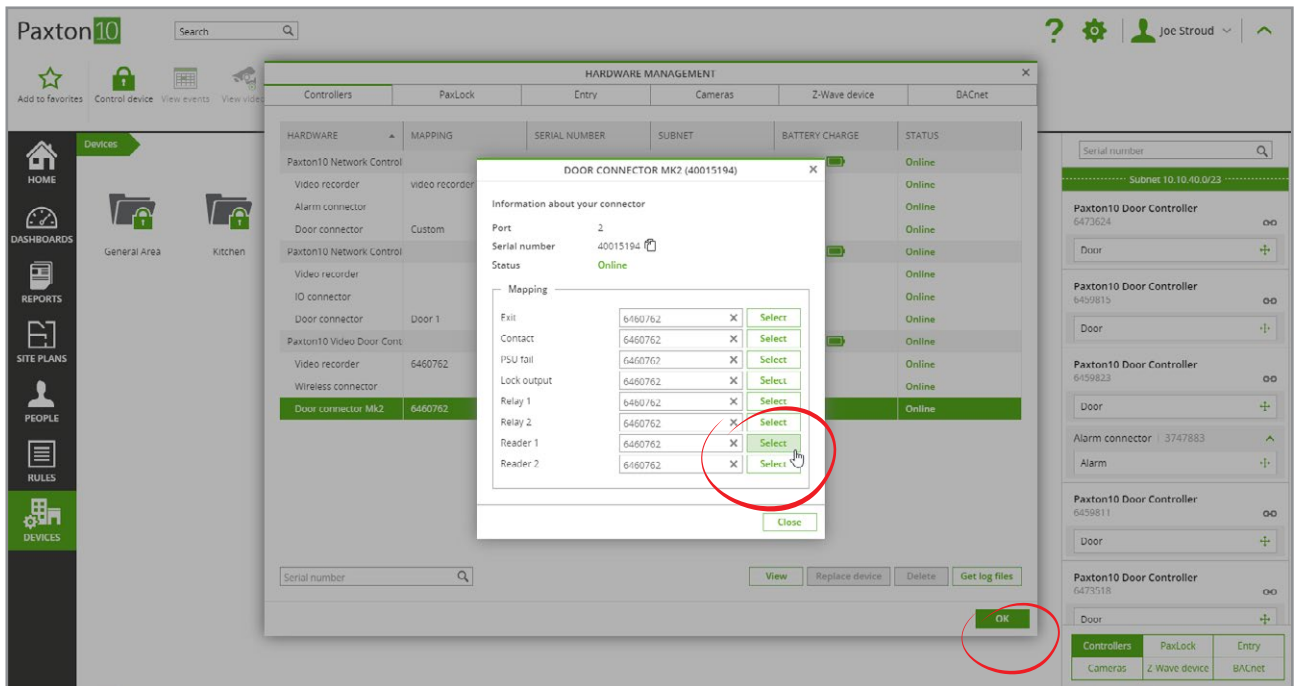
1. Ensure the Paxton10 controller is bound to the system (it must either be mapped to a device, or the 'link' icon in the Device Panel should be made green by clicking on it)
2. Click 'Manage hardware'



3. Select the 'Door' component for the controller which has with the reader attached, then click 'View'



4. Click 'Select' next to the reader, and select the device to map the reader to before clicking 'OK'



The reader will now be mapped to the device. Navigate to the mapped device to further configure how the reader behaves.

Reader configuration

Reader configuration is available in the Device, under the **Readers** section in **Configuration**.

- **'Sound on'** – When selected, the reader will provide audible feedback for valid and invalid access.
- **'LED on'** – When selected, the reader will show a white light at all times to help people locate the reader in low light conditions.
- **'Always allow valid users to exit / turn off'** – When selected, any person that has permission at some point in the day to use the door or device will be able to exit through the door or turn off the device at any time of the day.

Reader operating mode

Where a Paxton10 keypad is installed, additional reader operating modes are available. The reader operating mode determines what a user must provide to the reader for their identity to be confirmed: a token, a PIN, a code, or a combination of the above.

More information on using a keypad with Paxton10 can be found in AN0042-US - Using Keypads with Paxton10. paxton.info/6098

Bluetooth® settings

All Paxton10 readers contain Bluetooth compatibility. This allows all readers to be used with hands free credentials (Paxton10 hands free keyfob), as well as with Smartphones and Smart Watches (using 'Smart credentials').

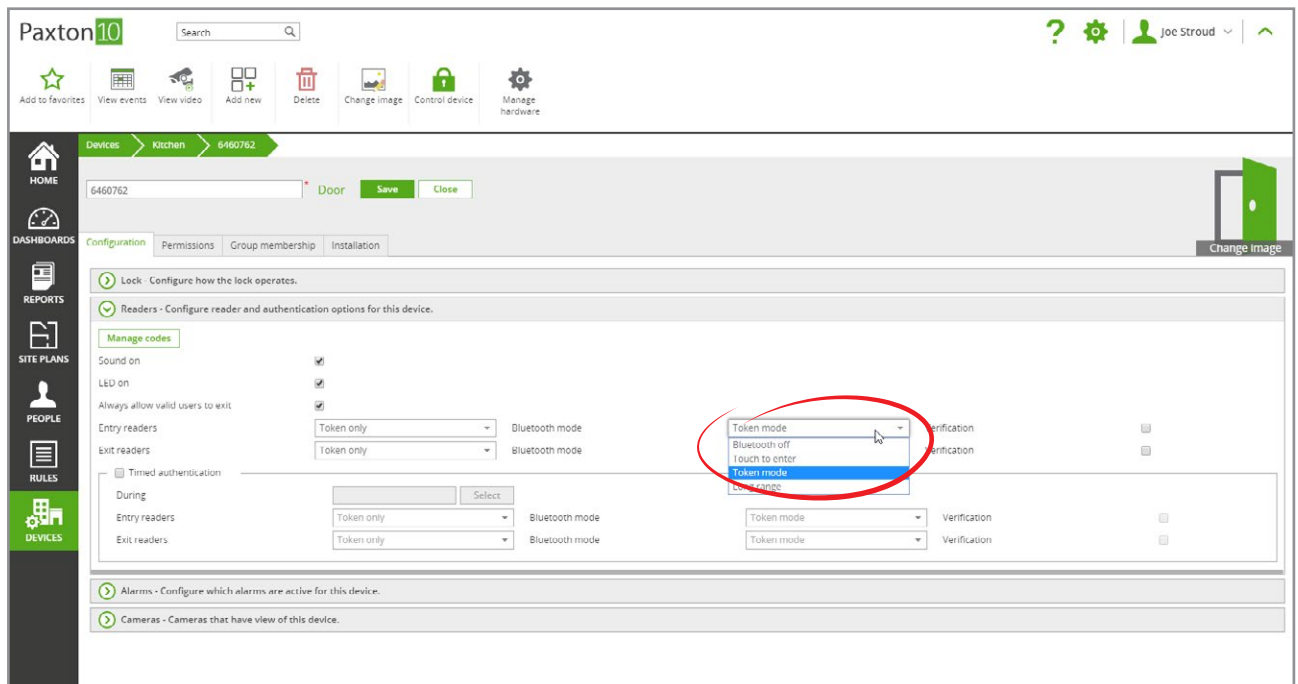
Bluetooth® mode

The Bluetooth mode of a reader determines the Mapping range that Bluetooth credentials can be read from and how they are used.

To change the Bluetooth mode, go to the **Readers** section in the **Configuration** tab in the device, and select the drop-down menu beside **Bluetooth mode**:

- **'Short range'** - The Smart credential or hands-free keyfob will be read when placed in close proximity to the reader.
- **'Touch to enter'** – Touch the reader to initiate Bluetooth communication with your Hands Free Keyfob or Smart credential.

- **'Long range'** - The reader will detect the Hands Free Keyfob or Smart credential at a longer range, for example, while you're in your vehicle (up to 10m for a Smart credential and 15m for the Hands Free Keyfob).
- **'Bluetooth off'** - The Smart credential will not read at all. The Hands Free Keyfob will be read when placed in close proximity to the reader.



Smart device verification

Selecting **'Verification'** will require someone using a Smart credential to unlock their device prior to the credential being accepted. If a screen lock is not setup on the device, access will be denied.

This helps to validate the user against the credential, ensuring an intruder can't access the building using a stolen device.

Timed authentication

You may require different methods of verification depending on the time of day. For example, to require **'Verification'** when outside of working hours. Timed authentication allows you to do this.

1. Tick the **'Timed authentication'** option
2. Click **'Select'** and choose the time profile required for different operation
3. Configure the reader operating mode, Bluetooth mode, and Verification settings to apply during the selected time profile

Devices > Kitchen > 6460762

6460762 Door Save Close

Configuration Permissions Group membership Installation

Lock - Configure how the lock operates.

Readers - Configure reader and authentication options for this device.

Manage codes

Sound on

LED on

Always allow valid users to exit

Entry readers	Token only	Bluetooth mode	Token mode	Verification	<input type="checkbox"/>
Exit readers	Token only	Bluetooth mode	Token mode	Verification	<input type="checkbox"/>
<input checked="" type="checkbox"/> Timed authentication					
During	Working hours	Select			
Entry readers	Token only	Bluetooth mode	Token mode	Verification	<input type="checkbox"/>
Exit readers	Token only	Bluetooth mode	Token mode	Verification	<input type="checkbox"/>

Alarms - Configure which alarms are active for this device.

Cameras - Cameras that have view of this device.