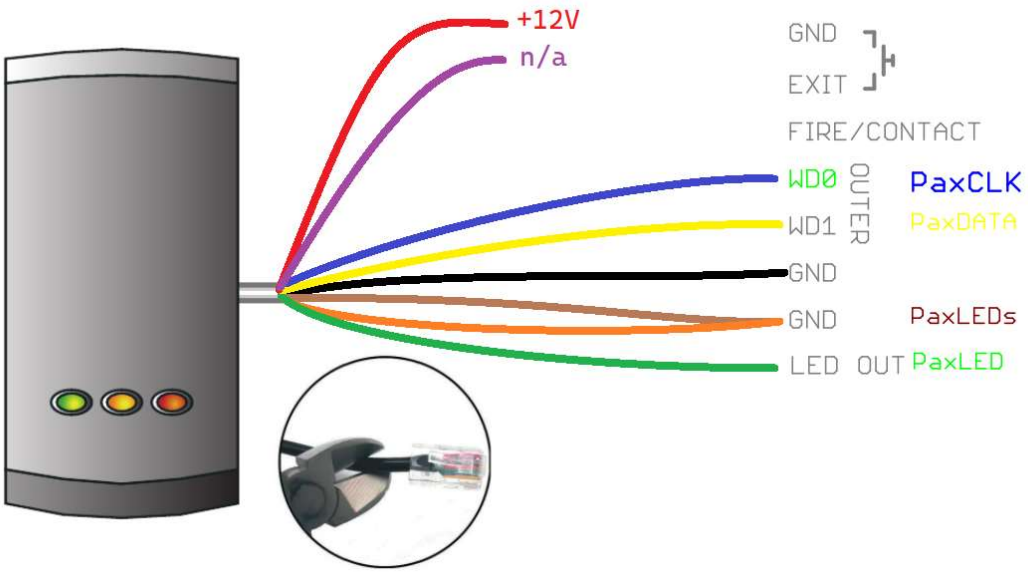
Interfacing a Paxton Net2 Reader

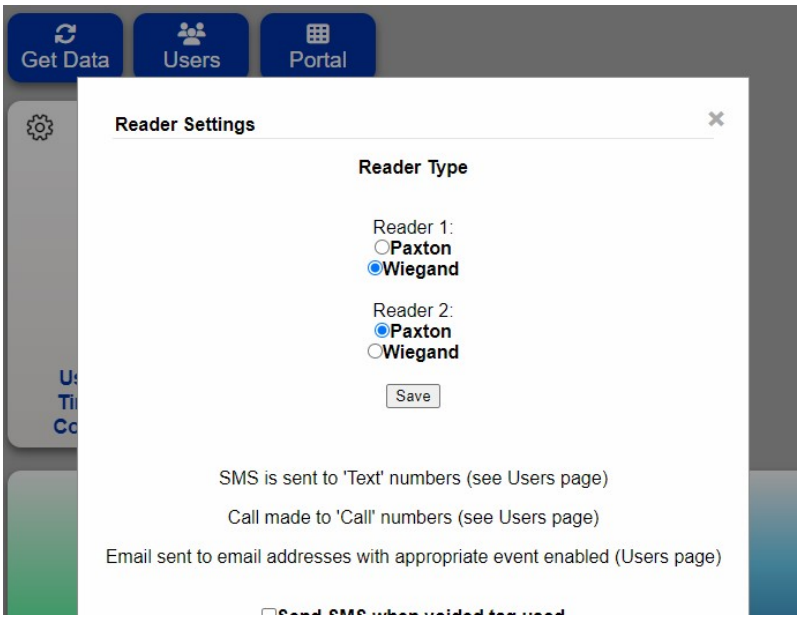
Almost any Wiegand 26/34bit reader can be used with the KX controller. It is also possible to use a Paxton 125kHz reader such as the P50 model. However, there are some caveats when using these readers.

- Paxton tags are 125kHz so cannot be read using a mobile phone
- Paxton readers have Wiegand output for EM4100 tags
- Paxton readers use a clock and data output arrangement for their own tags
- You must specify which type of tag you will use with reader



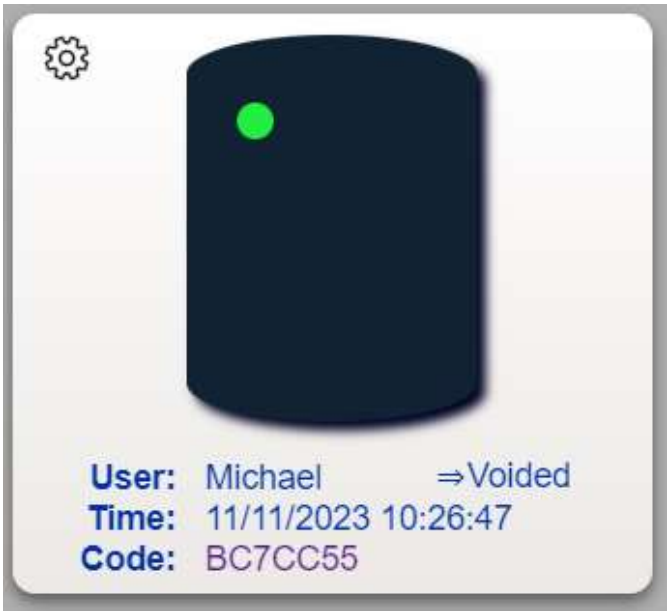
The Paxton reader should be wired as above. This will fix the amber and red LEDs on the reader to the on state with the green LED illuminating on access. To behave more like the Paxton Net2 controller it is possible to wire the brown/amber wires to the green LED OUT terminal and wire the green LED to the GND terminal. The LED out terminal will then require inverting in the reader settings (firmware KXX_v8.01R025 or later).

To use Net2 tags you must tell the controller a Paxton reader has been connected. To do this, go to the 'Live Screen' for the controller and click on the gear wheel or reader. Select the appropriate reader settings as shown below:



Acquiring a Tag ID without a phone/Desktop Reader

To program a user without using the NFC reader on a phone or a desktop reader, you should scan the tag in a normal door reader and observe the tag code appear on the 'Live Screen' reader display.



A crude method would be to copy and paste the code by the 'Code:' field into the user's details. However, it is also possible to bring up the user or a new tag window by clicking on the code. This allows a system administrator to add this tag or amend it within the controller's memory.

Please note, Paxton tags are encoded by the controller and will not be the same as displayed on a Net2 system. To convert a database of tags to the KXX controller, please request support from support@iot-portal.com