Remote Monitoring Systems

iot-portal
The Internet-of-Things Portal

Adding or Changing a Tag or Keypad Code: Priory Access Controllers

Keypad Codes and Tags can be remotely changed via the Portal, Live Screen or App on any Priory Access Controller. You can get to the Live Screen with a Live Screen QR Code Sticker, via the Portal or App or via an email link sent to an Admin.

via Email Link/Portal

When a user's [email address] is added to the portal and the email type is set to ['Full Access'], an email is sent to the user with a Link to the Live Screen. This link is permanent until a new one is requested.

Using the App

The iot-portal App gives access to any device that contains the User's ['Full Access'] [email address] or ['Admin'] [phone number]:

The IoT-Portal App lists all of the devices you have control over or that allow you View Screen access.
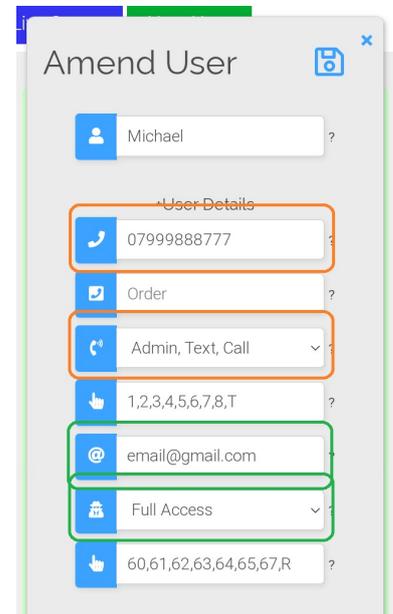
Devices in Green: Your phone number is an Admin number or your email address is 'Full Access' type. Device online.

Devices in Red: These devices are offline. Any IoT device not seen by the portal for 10 minutes will appear offline.

Devices in Blue: These devices are SIM Free (with a standard mobile phone SIM) and have not been seen by the portal for 10 minutes.

Devices in Gold: These are View Screen only devices for which you only have View Screen access. If you would like to remove your number from the device (and consequently your app) contact the device admin or contact support@iot-portal.com
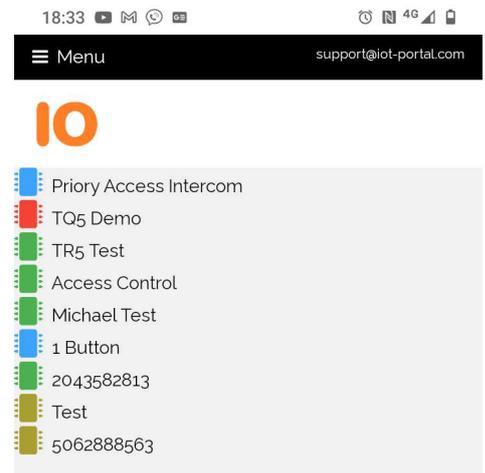
Live Screen

The Live Screen will show the last Tag scanned by a reader. If this is a new tag, it will display as 'Unknown'. The Tag ID code can be clicked on to bring up the 'New User' dialogue normally found on the 'Users' page. From here the users name and access level can be specified and the tag can be saved to the system.
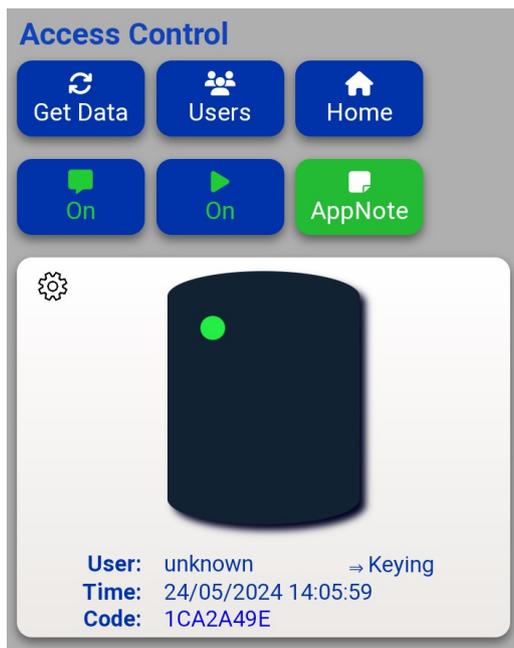
Live Screen showing 'unknown' tag
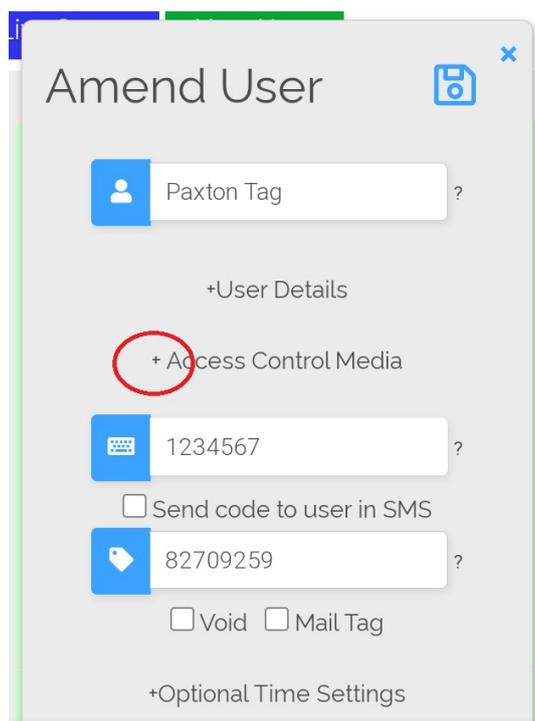
**Clicking the 'unknown' Tag Code brings up the 'New/Amend User' Dialogue
(the + symbol, circled in red, hides and unhides each section!)**

Remote Monitoring Systems

When a code or a new tag is added, the keypad display on the Live Screen turns to orange to indicate data is being sent to the remote device. If it is dark red, this indicated the remote device is offline.

Once the data is transferred, the display turns green – you should refresh the page to observe new colours.

The users button can also be pressed on the Live Screen to bring up all of the users in the device.
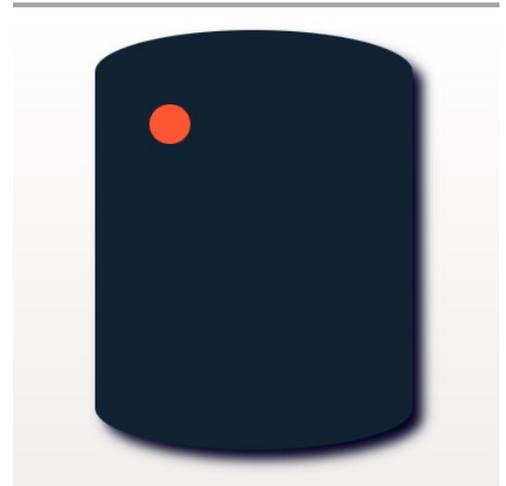
Orange indicates data is being transferred

Scanning Tags with a Smart Phone

Both Android and iPhones are able to scan MiFare tag codes and similar into the portal. To do this, go to Live Screen > Users > New User. This brings up the New User dialogue. Open the Access Control Media section and click the 'Tag' icon (shown in orange above) to read the code. The method for reading the codes varies between iPhone and Android as discussed below.

Android

The easiest hardware to use with the portal is a **NFC equipped** Android smart-phone. The latest release of Chrome (Feb-2022) features Web NFC which allows the phone to read tags and cards directly. With an Android phone it is possible to press the read buttons on the portal and then present a card/tag to the phone. The phone will then read and fill in the relevant textbox when a tag is presented… i.e. **button first, then present the tag**.
Furthermore, on an Android you can continuously search tags without repeatedly clicking the read buttons.
Note, you must have the latest release of Chrome on your Android phone (v89+)

Remote Monitoring Systems

iot-portal
The Internet-of-Things Portal

iPhone

There is currently no implementation of Web NFC on either Chrome or Safari. It is likely a later release of Chrome will implement Web NFC on iOS. There are no plans to implement Web NFC in Safari as of Feb-2022.

As a work-around on iPhones, the tag unique ID is stored in a cookie when presented to the iPhone. Therefore, in order to read a tag with an iPhone, the tag should be presented to the phone and the popup link should be opened. The code will then be available to the portal when a read tag button is pressed… i.e. **present tag first, then press the read buttons**.
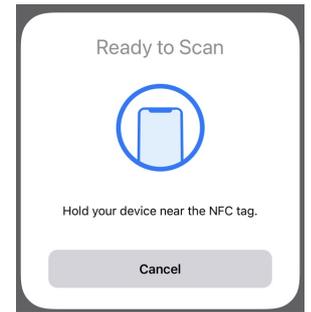
There is a hardware fault on the iPhone X that inhibits these phones from performing unsolicited NFC reads. In order to use one of these affected phones, you should read the tags using a third party NFC reader app first, such as NFC Tools.

Security

Ensure only admin users have a 'Full Access' email address and/or 'Admin' phone number in the device's Users page.

Threats to Existing Installations and Recommended Testing

Not applicable.