



# Presto

## QR-code ready Device ID's

Every device is an instance of a device type (type of thing), identified with a globally unique device ID. The only requirement of a device ID is that it is globally unique; however, there are certain formats of device ID's which will be immediately recognized by the Presence app's QR-code scanner and therefore be easier to prototype and deploy to users.

One of these recognizable device IDs is a type that contains a globally unique identifier  $\${MAC\_ADDRESS}$ , combined with a unique prefix  $\${YOUR\_PREFIX}$ .

$\${YOUR\_PREFIX}-\${PRODUCT\_ID}$

The prefix is what maps this device to a specific *device type*, so we know what it is. So the trick is to make Presto recognize the prefix, and map it to your specific device type.

From the <http://presto.peoplepowerco.com> console, open your *Types of Things* and either create "Add a New Type" or edit an existing one in your account.



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Question? We're here. [support@peoplepowerco.com](mailto:support@peoplepowerco.com)

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While configuring your Type of Thing, there is a block for unique device type prefixes which reads something like this:

**If your product is QR-code friendly and you'd like to use a unique prefix at the front of your device ID's to map them to this device type in Presto, declare your unique prefix here. For example, if your unique prefix is 'HEY1-' then your device ID's should take on the format 'HEY1-<mac\_address\_here>'. You can map multiple prefixes to this device type with a comma, for example: 'PF0-,PF1-,PF2-'.**

Type in your unique prefix, make sure the switch is “ON”, and save your changes. It is recommended that prefixes have both a unique set of letters and numbers. Typically, numbers at the end of a prefix can be used to identify a unique manufacturer of your products. For example:

PS0-<mac address here>  
PS1-<mac address here>

The “PS0-” and “PS1-” prefixes may identify products manufactured at two different factories.

Don't forget to include the hyphen (-) in the prefix definition. And make sure your device ID's correctly communicate with Presto in software using the full prefix + mac address identifier. The device ID is always case sensitive, and can't contain the character '/'.

## Generate your QR-code

This unique device ID can be easily read into a mobile app if it's in the format of a QR code, and the Virtuoso mobile app framework (including Presence) supports this easy method of adding new devices. Your QR code could be as simple as this:

**PS0-012345ABCDEF**



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People Power designed a QR code that can contain both a device ID for easy device registration, as well as a full URL that is readable by any regular QR code reader app. This URL could, for example, point the user in the right direction to download the app if they don't already have the app for the product in their hands.

To make the QR code useful both inside and outside a mobile app, we make the device ID a parameter appended to a URL that will redirect the mobile app to the appropriate app store or product web page. For example:

<http://youraddress.com/downloadapp/?s=PS0-012345ABCDEF>

This URL can be transformed into a QR code using any standard QR-code generation tool. There are plenty of online tools to generate QR codes (just search!) and there's also a Linux command line tool called [QRencode](#) among others.



Important Tip: the shorter the contents of the QR code, the smaller the QR code is physically going to be, and the easier it will be to read by a mobile phone. We recommend a minimum of 1x1" square for best results, but encourage QR codes to be sized as large as possible to become a focal point of the out-of-box experience, and be picked up by smartphone cameras of all types.