



Whisker.IO Solution

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# Quick Start Guide

*Patent Pending*



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## 1 Provisioning a new gateway using the Whisker.IO Android mobile app

### Before You Start

A Whisker.IO gateway and one or more SensorBlocks™ can be used to monitor and control environmental conditions, equipment, assets and more at any location thanks to exceptionally long range and long battery life. Installing a new Whisker.IO system is fast and easy and requires no special skills, experience or equipment. The steps are:

1. Add a new gateway using the mobile application by pressing '+' on the "Locations" screen
2. Enter a unique name for the gateway.
3. Scan the provisioning card for the serial number and security key
4. Hit save.

This quick start guide will show you how to bring up (provision) a new Ethernet commercial gateway and how add new Whisker.IO devices to that gateway. Provisioning is accomplished using our Whisker.IO mobile app, which is currently available for Android. An iOS version will be coming soon.

Before you begin the process of provisioning the gateway, you need to make sure it is properly installed. A one page instruction sheet is shipped with each gateway giving instructions on installation and operation of the gateway.

### What You Will Need

1. GW-900-CM1 Ethernet commercial gateway
2. Android mobile device (Android 4.0 or later) running Whisker.IO Mobile App
3. Provisioning card (ships with gateway)

### Step 1: Locate Provisioning Card

Every Whisker.IO™ gateway is shipped with a provisioning card that contains all of the information needed to provision a new gateway.

**Notice:** KEEP THIS CARD SECRET! It contains the security key needed to access the gateway. This key must remain secret to ensure security.



## Step 2: Open Mobile Application

Click on the Whisker.IO mobile application logo to launch the application. If this is the first time the application is loaded, a configuration screen will show allowing you to enter your name and email address.

With the initial one-time configuration complete, the opening screen will display. This screen lists all of the gateways you have access to. The list can be filtered by typing in the search field.

*Note: The Android mobile device must run Android 4.0 or later, must have a camera, and should optionally have GPS location services if geo-tagging of data is desirable. If location services are available, the GPS location will be recorded when a new gateway and when new devices are installed; this assumes that the gateway and devices are installed using the mobile app at the physical location where they will be permanently installed.*

## Step 3: Click '+' to add a new gateway

Click on the '+' icon to add a new gateway. This will load the 'Add New Location' screen.

## Step 4: Enter a **name** for the gateway/location

The name must be unique and can only contain letters and numbers.

*Note: The location will automatically update from your mobile device, assuming you are in the same location as the gateway. If GPS position data is not available, the location will read 0,0.*



### Step 5: Press 'Scan Serial' button to obtain serial number from provisioning card.

Focus your mobile device's camera on the Serial Number QR code. The mobile app will automatically find and retrieve the QR code. Once the code has been retrieved from the card, it will automatically enter it in the Serial Number field.

Alternatively, you can manually enter the serial number in the field using the mobile device's keyboard. You must enter the serial number exactly as shown, with capitalization if any.

Using the QR code method is more accurate and preferred if possible.

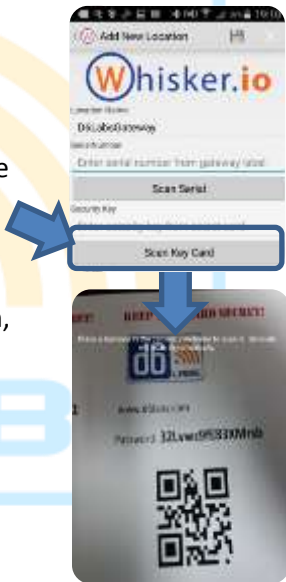


### Step 6: Press 'Scan Key Card' to obtain security key(password) from provisioning card

Focus your mobile device's camera on the Password QR code. Once the mobile device scans the QR code, it automatically fills in the Security Key field.

Alternatively, you can manually enter the serial number in the field using the mobile device's keyboard. You must enter the serial number exactly as shown, with capitalization if any.

Using the QR code method is more accurate and preferred if possible.



### Step 7: Click save icon

If you decide not to add the gateway for some reason, you can cancel by pressing the white X in the top right corner of the mobile app.

If you want to finish provisioning the gateway, click the save icon (floppy disk). Once the provisioning is complete, the app will return you to the Locations screen and you will see the new gateway. You can now interact with the gateway by clicking on the gateway.

If you are ready to add new devices to the gateway, click on it and follow the



instructions in the next section.

## 2 Provisioning a new Whisker.IO device on an existing gateway

### Before You Start

When a new SensorBlock™ or Whisker.IO enabled OEM device is installed, it must be provisioned to the gateway so that it can start sending its data through the gateway. Using the mobile app, this is a very easy process. Every single Whisker.IO device ships with a serial number label that contains a QR code used for provisioning. Additionally, battery powered devices must be put into provisioning mode by either swiping a magnet over the serial number label or by replacing the batteries to cycle power.

The steps for provisioning a new device are:

1. Add a new device by clicking '+' on the "Devices" screen for the appropriate gateway
2. Scan the serial number of the device from the serial number label on the device
3. Give it a unique name and hit save.

It takes only a few seconds and once complete, it will never have to be done again unless the device is moved to a new gateway.

### What You Will Need

1. Whisker.IO Enabled Device
2. Provisioned gateway
3. Android mobile device (Android 4.0 or later) running Whisker.IO Mobile App

### Step 1: Click on gateway in Locations screen

Select the gateway you want to add a device to.

Once you have selected your gateway, the Devices screen will show. This screen lists all devices connected to the gateway you selected. In the example to the right, the list is empty.



## Step 2: Click '+' to add a new device

Click the '+' icon at the top of the mobile app to add a new device. This will bring up the "Add New Device" screen, which is similar to the "Add New Gateway" screen though simpler.



## Step 3: Click 'Scan Label' button

Whisker.IO Devices are uniquely identified by their serial number, which is clearly displayed on the device. In this example, the SensorBlock™ displays the label on the side of the device.

Once you click on 'Scan Label' the app will use the mobile device's camera to take a picture of the QR code on the serial number label.

When the QR code has been scanned, it will return you to the "Add New Device" screen with the Serial Number Field filled in.

## Step 4: Enter a unique name

The name must be unique for each device on the gateway. Devices on different gateways can have the same names.





## Step 5: Click the save icon to provision

You can click the X icon at the top of the app at any time to cancel the process of adding a new device. Changes will be lost and the gateway will not be changed.

To complete the process of adding a new device, click the save icon (floppy disc) located at the top of the mobile app. When you click that icon, the provisioning wizard is shown to guide you through the process.

Put the device into provisioning mode either by removing and replacing the batteries or by swiping a magnet over the serial number label as follows:



When the device is in provisioning mode, its status LED will blink. Click 'Ok' for Step 1 of the wizard. If the LED does not start blinking, something might be wrong with the device. In that case, consult support for more information.

The wizard will then ask you to verify that the LED is blinking. Click 'Yes' to confirm. The mobile app will then contact the gateway and add the device. When it is complete, the wizard will display the "Success" screen. Click 'Ok' to complete the process.

You are done; the device is now provisioned to the selected gateway and will start reporting its sensor readings to the cloud and responding to action requests from the cloud.





