Step 1: Activate Your Ethernet Tag Manager

For Android devices, install our Android app from Google Play by searching "WirelessTag", follow this direct link, or download the APK file directly. For web access on PC/Mac, go to Web App Login.

Use the 12 digit serial numbers on your Ethernet Tag Manager to create a login. Keep the serial number in a safe place.

In the login screen, click "Create an Account" button.

Fill in the serial number (case insensitive), login email (used to recover password), and choose a password.

Click "Create" button to create an account. Uncheck "Allow creating more accounts..." unless you plan to create multiple logins to access the same Tag Manager.
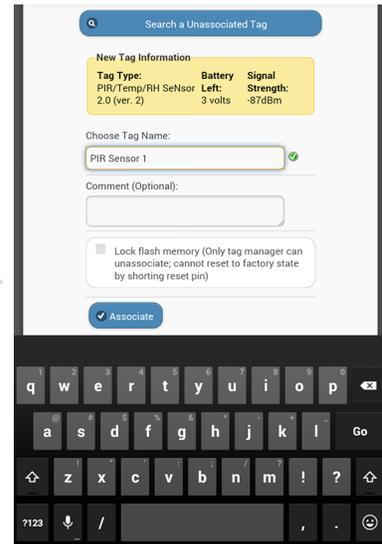
Step 2: Associate New Wireless Sensor Tags

Follow this step to associate each new Tags with the Tag Manager. For water/moisture sensors, please activate by shorting the tip using a metal object (scraping the tip using a coin, for example) or dipping the tip into water. A red light should start flashing on the sensor every few seconds for about 2 minutes, before the sensor goes into sleep again. Search & associate like other tags while the light is flashing.

First time when the app is launched, it may ask for the name to use to identify current device to enable/disable push notification later. Click "OK" and click the "+ Associate" button at the upper left corner.
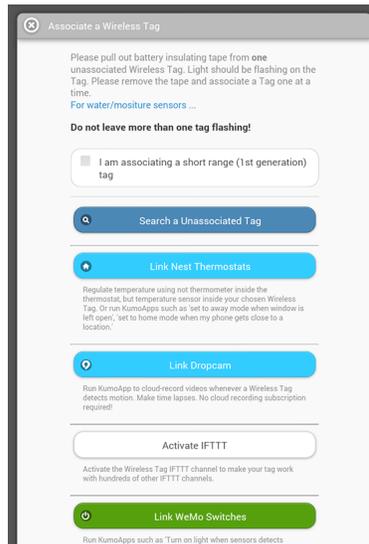
An unassociated tag periodically broadcasts information about itself when powered on. Click the "Search" button to receive this information.
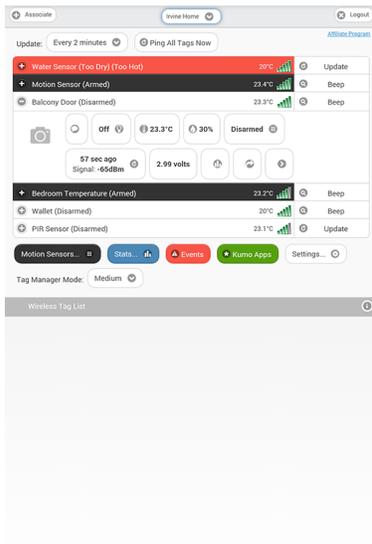

When a new tag is found, its information is displayed. Assign a name and comment (optional) to the tag, then click "Associate".
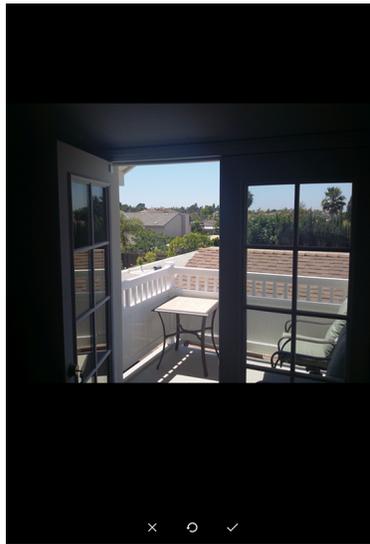
Step 3: Assign Tag Names and Pictures As Needed

You can edit tag names and comments of each Wireless Sensor Tag. Pictures can be associated by using Android or iPhone/iPad app.
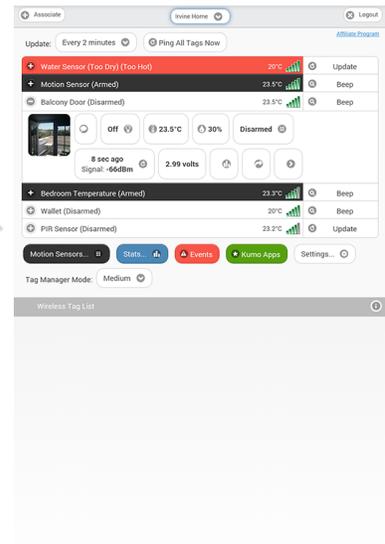
Assign Picture

In the tag list screen, click on the tag you want to edit to open the detail pane and tap on the camera icon.
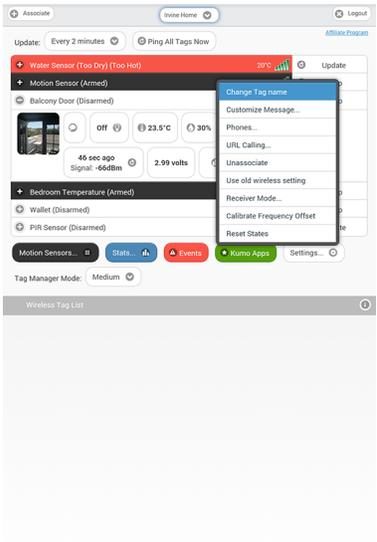

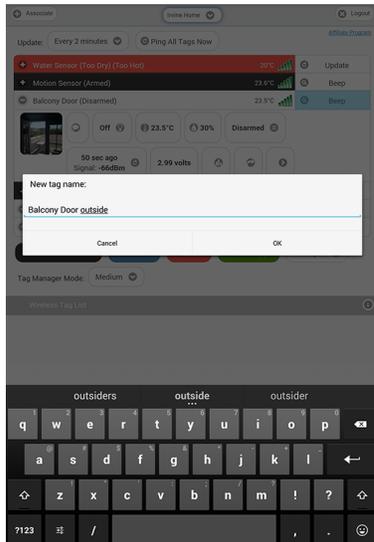Take the picture and use finger to move or scale.

The picture is now assigned to the tag, and will be automatically visible on other devices accessing the same tag list in a few seconds.
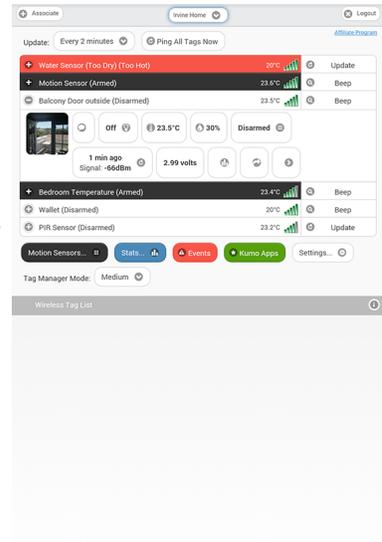
Edit Name

In the tag list screen, click on the tag you want to edit to open the detail pane.

Click "More>" and click "Change Tag name". Enter new tag name and click "OK".

The new name is now assigned to the tag, and is automatically propagated to all other devices accessing the same tag list.
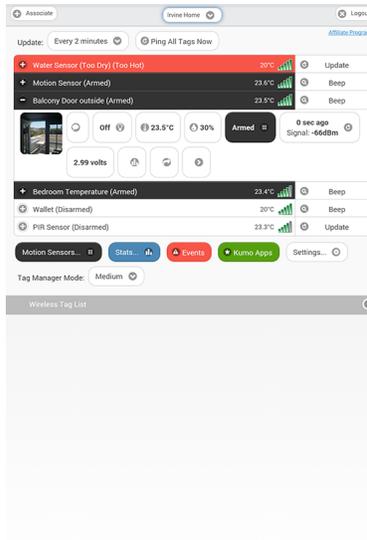
Step 4: Arm/Disarm Motion Sensor, Temperature Monitor, and Enable/Disable Out-of-Range Notification

Motion sensor, temperature monitoring, and out-of-range notification are turned off until they are needed to conserve battery. Follow the steps below to turn them on/off as needed.
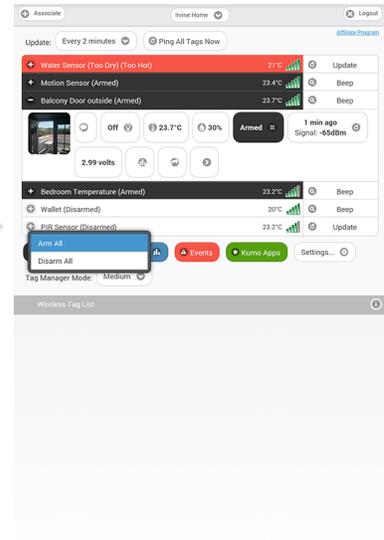
Motion Sensor
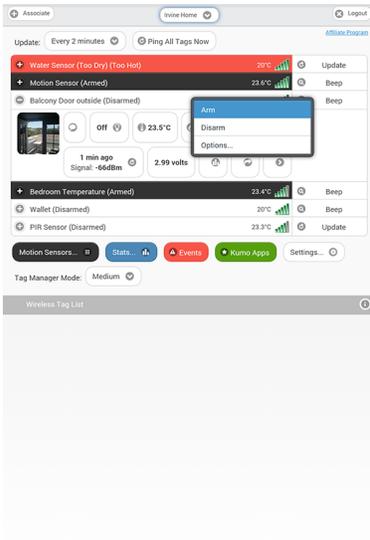
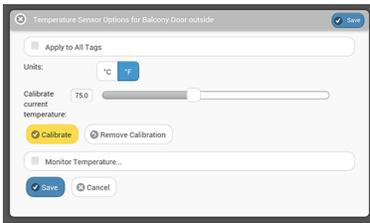Click the tag of interest on the list screen to open the detail pane, and click the keypad button.

When motion sensor is armed, the tag on the list will have a black background.

Instead of arming/disarming motion sensor for each tag individually, you can also click "Arm All" or "Disarm All" to arm/disarm all motion sensor tags.
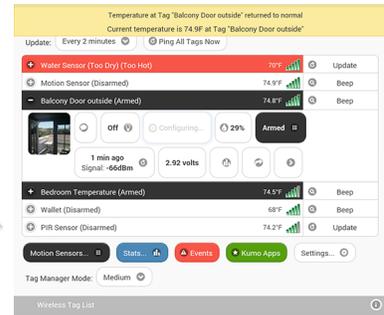
Temperature Monitoring

Click on the temperature button to open the Temperature Sensor Options screen. Choose the unit (°C vs. °F) here to update temperature display across the app.
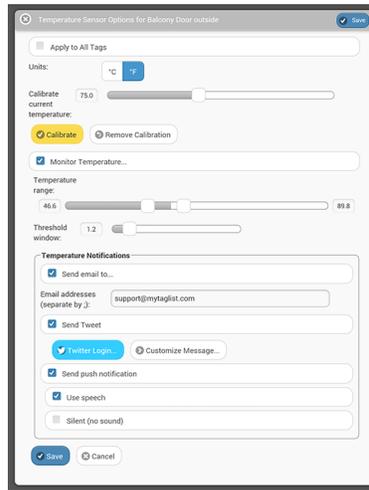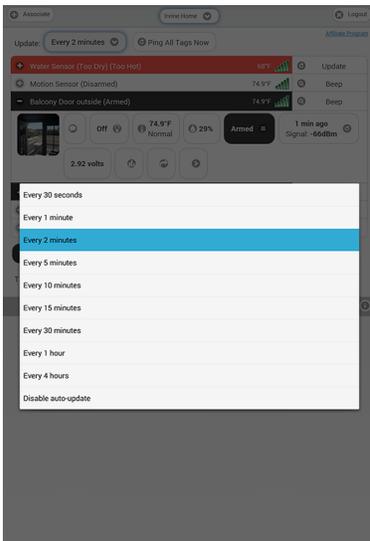

Turn on "Monitor Temperature", define normal temperature range, choose notification settings you want, and click "Save".
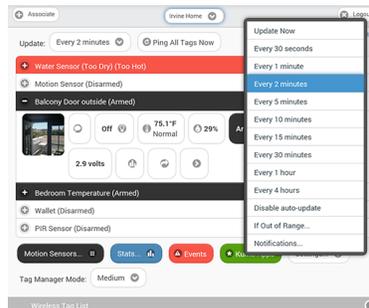

The tag will notify you when the temperature exceeds upper or lower limits, or returned within normal range.
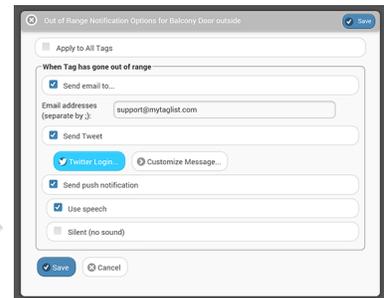
Out-of-Range Notification

At the top of tag list screen, choose any of the Update: "Every ..." options. Longer interval results in longer battery life but longer the out-of-range notification delay, and vice versa.

Click on the refresh button under each individual tag allows you to set different update interval for each tag.


Choose "Notifications..." to enable/disable out-of-range/back-in-range notification. You may check "Apply to All Tags" to enable/disable this for all tags.

Event History:
## All past events, or only specific kind, or only from specific tag

The red "Events" button on the bottom of the screen opens "Event History". All types of events (such as open/close/moved, too hot/cold, too wet/dry, out of range/back in range, water detected) from all tags associated with selected tag manager will be shown in chronological order. The newest events are displayed on top, while older and older events are dynamically downloaded from the cloud as you scroll down.
Events are collected 24/7 as long as the Tag Manager is connected to the Internet, so you can always review what happened while you were away.
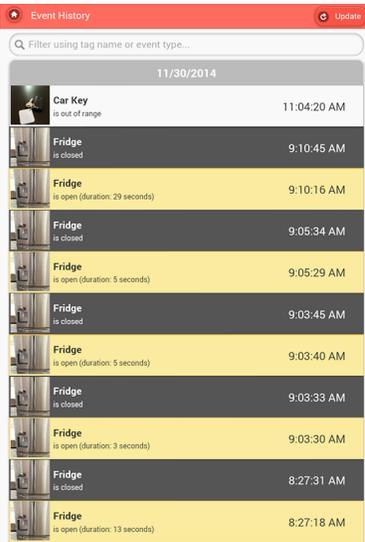
Tap on the red "Events" button to open the "Event History" screen. Tap on the home button on the top left corner to go back to the tag list screen.
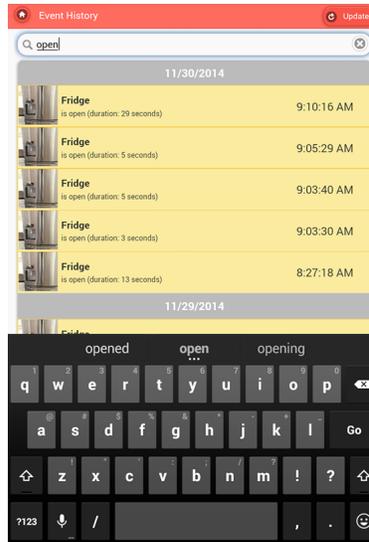
If you want to view only a specific kind of events, start typing the event name in the search box, such as "opened".
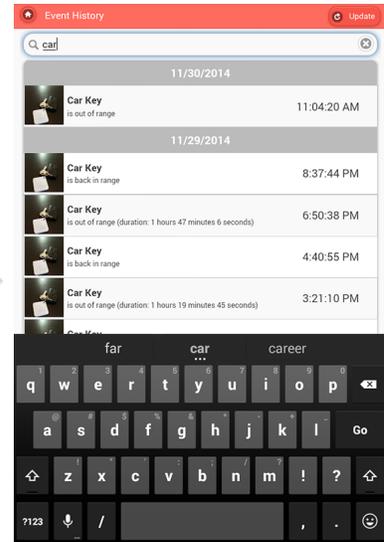
If you want to view all events from a specific tag, start typing the name of tag in the search box, such as "Car Key".

IFTTT: IF This Then That.
The easiest way to link tags with other things on the Internet.

IFTTT is a free Web/iOS/Android app that connects all kinds of Internet-enabled products (such as sprinklers, lights and thermostats) and services (such as Gmail, iOS/Android device location, and more) referred to as "Channels". Wireless Sensor Tags is an officially supported IFTTT Channel.

The IF app
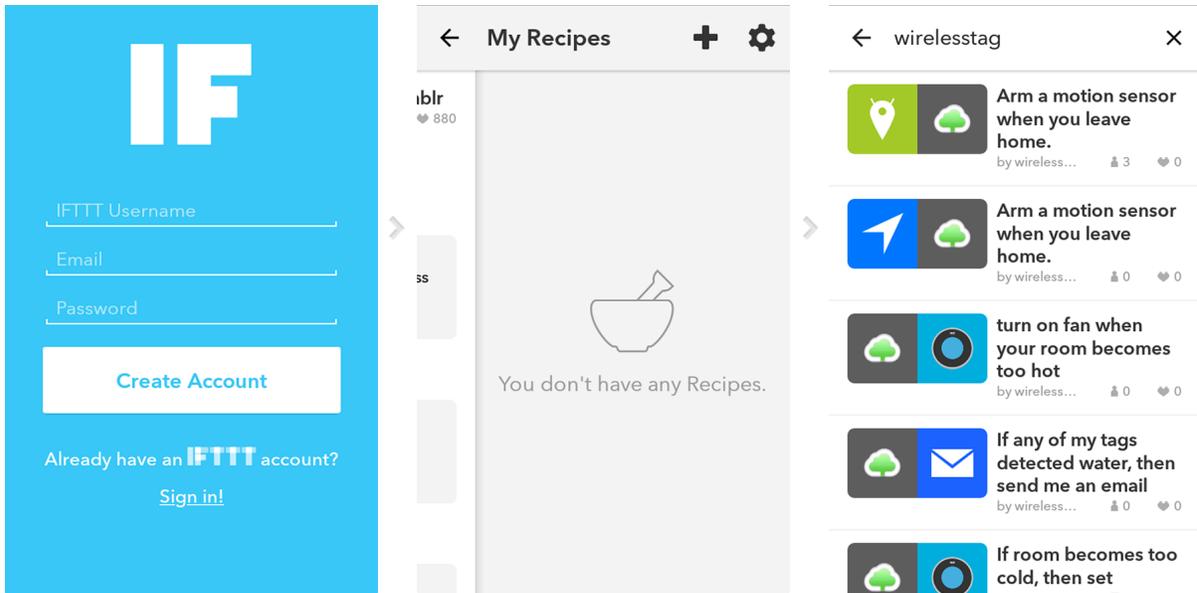
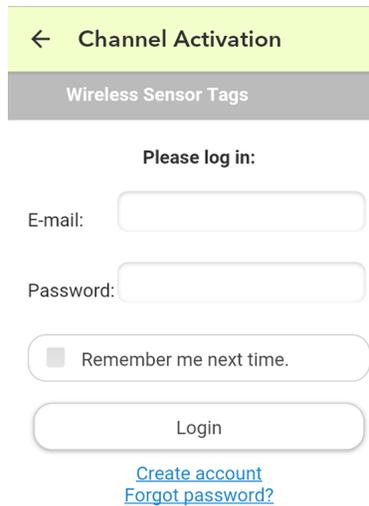Install and run the **IF by IFTTT app** from Google Play and create an IFTTT account.

After you login, click the "bowl" icon to open "My Recipes", and click "+" to install a recipe.

Click the search icon on the upper right corner and type "wirelesstag" to view a list of ready-to-use recipes made for Wireless Sensor Tags.

The WirelessTag channel

You must activate the Wireless Tag
Channel before you can use it in
Recipes.

Continue
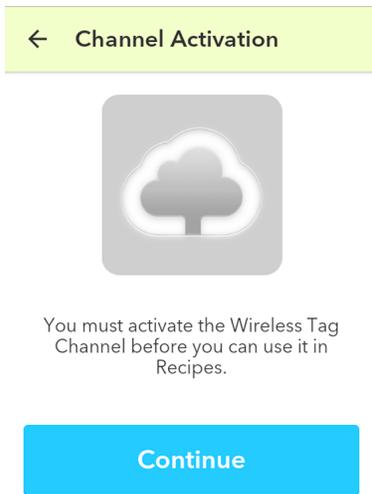
When you try to install one of
these recipes for the first time,
you will need to activate the
Wireless Tag IFTTT Channel.

Wireless Sensor Tags

Please log in:

E-mail:

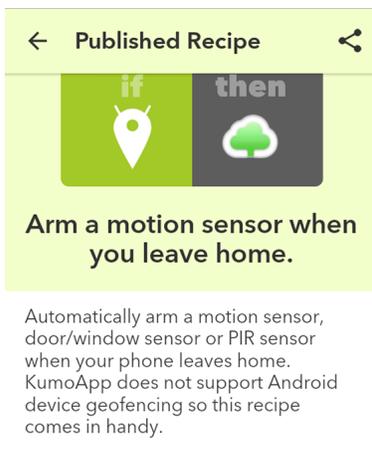Password:

☐ Remember me next time.

Login

Create account
Forgot password?

The app will redirect you to our
website, where you need to login
with your Wireless Sensor Tag
account you created in **Step 1**.

Grant API Access to IFTTT?

Grant access to IFTTT
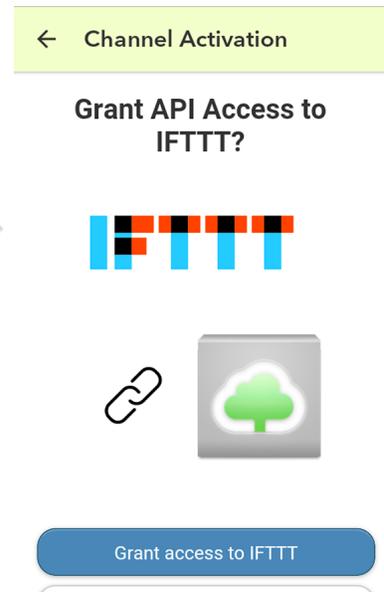
Our website will ask if you want to
grant API access to IFTTT. By
doing so you allow IFTTT to read
your tag events and perform
actions on your tags without
giving IFTTT your password, so
that you can revoke this access
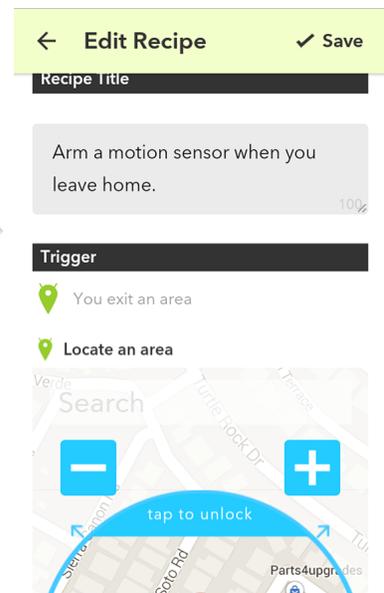anytime from **Settings->Account**.

Using a Recipe

if then

Arm a motion sensor when you leave home.

Automatically arm a motion sensor,
door/window sensor or PIR sensor
when your phone leaves home.
KumoApp does not support Android
device geofencing so this recipe
comes in handy.

☁ Motion sensor

Please select ▼

If the Wireless Tag IFTTT Channel
is activated (you only have to do
this once) you can configure and
install published recipes, or create
your own using any of our **10+
triggers and actions**.

blr
♥ 880

if then

Arm a motion sensor when you
leave home.

you

you

you
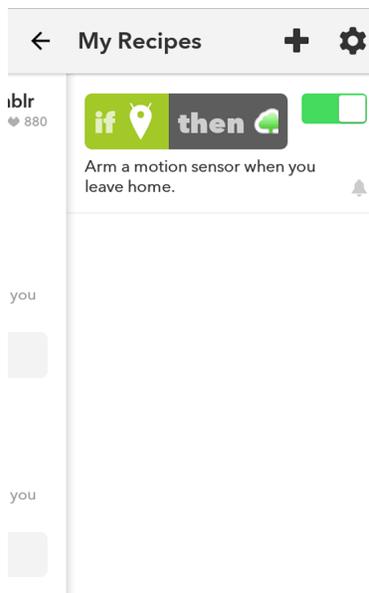
The list of your installed recipes
will be shown under "My Recipes"
where you can enable and disable
each one, or tap on it to edit.

Recipe Title

Arm a motion sensor when you
leave home.
100%

Trigger

📍 You exit an area

📍 Locate an area

Verde
Search
Turtle Rock Dr

tap to unlock

Soto Rd
Parts4upgrades

For this recipe "Arm a motion
sensor when you leave home",
editing screen allows you to pick
the region on Google Maps. When
your Android device leaves this
region, the specified motion
sensor will be armed.

Motion Sensor Options:
Sensitivity, Responsiveness, Notification Settings and Scheduling

Tune the sensitivity and responsiveness of the motion sensor to suit your application. In motion detection mode, choose to remember moved state indefinitely or reset to armed state after a while. In door/gate mode, choose the threshold angle (23 degree is recommended for automatic garage doors, 2~5 degree for regular doors), or choose to get notified only when door is opened for too long.
Choose to get notified by emails, tweets, speech, or whether to make tag beep upon motion.
Set the schedule to automatically arm or disarm the motion sensor at certain time of the day, and days of the week.

Sensitivity/Responsiveness
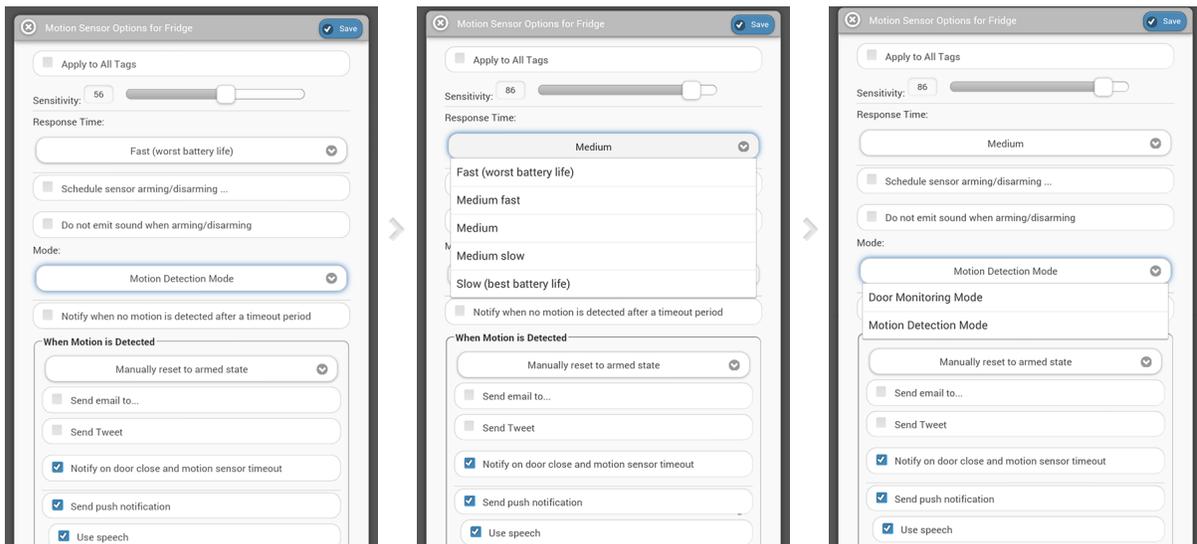
Click the keypad button to open Motion Sensor Options screen for an individual tag.

You can choose sensitivity (0 to 100, 50 is recommended to eliminate false alarms in most environment), and responsiveness ("Slow" is 5x the delay and battery life of "Fast") that best suit your application.

When door/gate mode is enabled, you can choose the threshold angle, when tag orientation changes more than this, the door is deemed open, when tag orientation returns within this threshold, it is deemed closed.
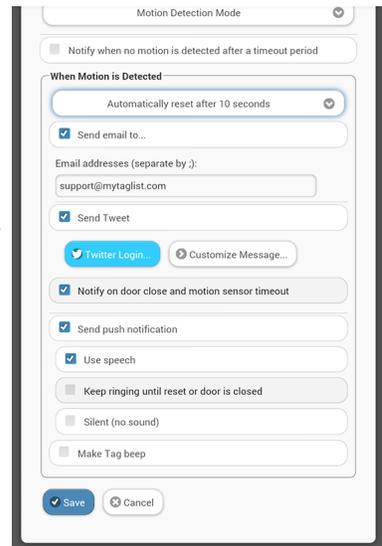
Notification Settings
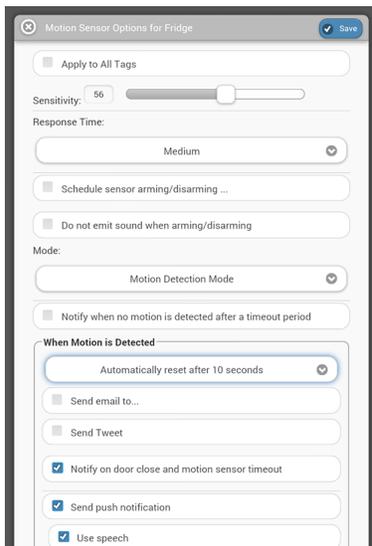
When not in door/gate mode, after movement is detected, by default the system remembers the tag has been moved indefinitely. Instead you can choose to have the tag automatically reset to armed state after a while.
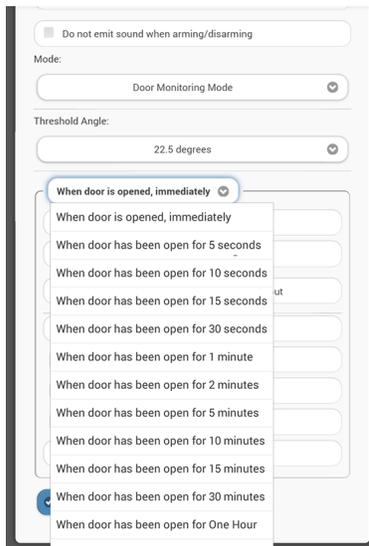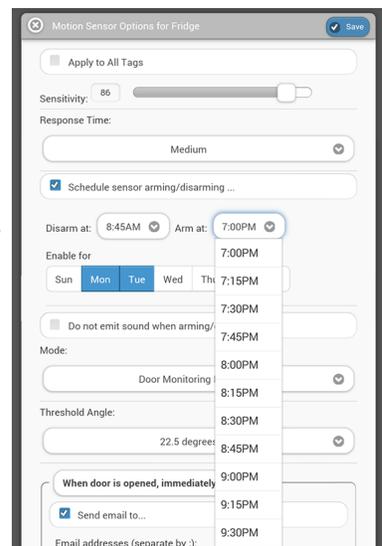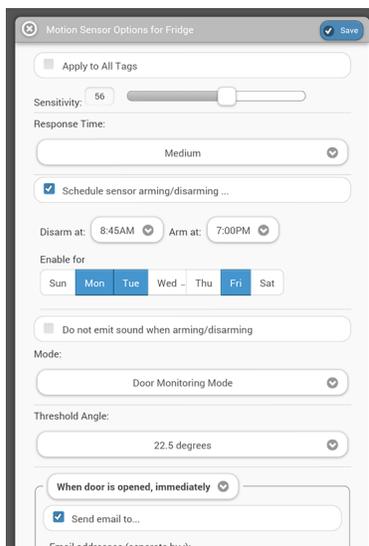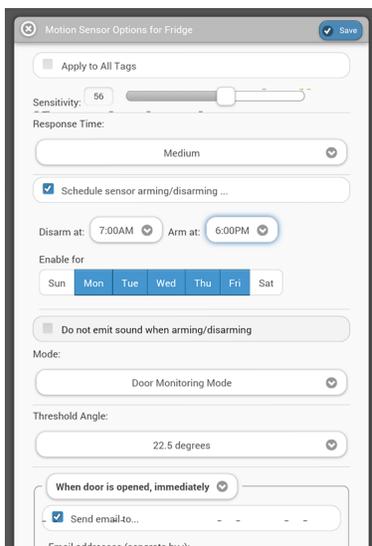
When in door/gate mode, you can choose to be notified only when it is been open for longer than a certain time period.

You can choose to be notified by email, have the system post a tweet on your Twitter account, beep or speak on your phones, or make the tag beep.

Arm/Disarm Scheduling

By setting an auto-arming/disarming schedule, you can specify time of day to disarm (for example, in the morning), and arm (for example, after dark), for each of the checked days of the week. To make motion sensor armed over the weekend, simply setting an "Arm at" time later than "Disarm at" time, and uncheck Saturday and Sunday.

Beeping a Tag, Stopping the Beep, and Beep Options

Every wireless sensor tag has a beep function to help you find missing tags. Attach the tag to key chains, put inside your wallet, or strap to TV remote controls, and never waste time looking for these items again.
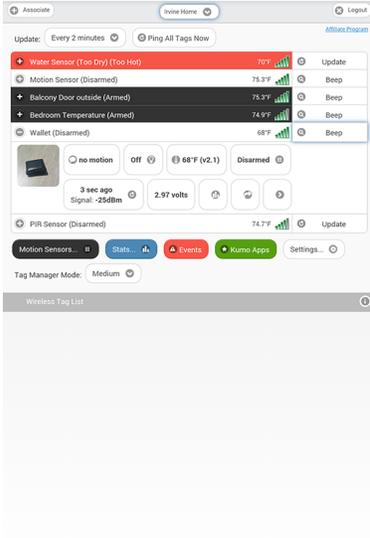
In the tag list screen, click on "Beep" button of the tag you want to beep.
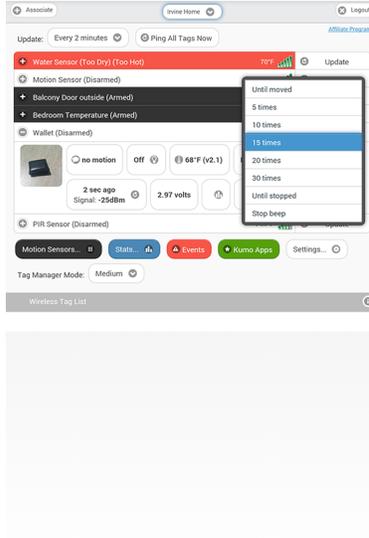
You can choose beep until moved, for 5,10,15,20,30 seconds, or indefinitely beep until stopped by the stop beep button.
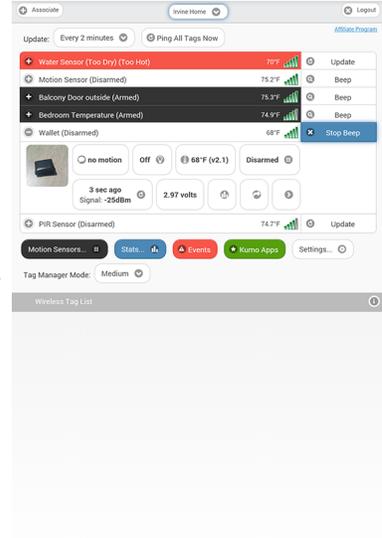
When tag responds and starts to beep, the "Beep" button turns into a blue "Stop Beep" button.

Door Stats and Temperature Stats

Each tag automatically logs temperature and each time it is moved, opened or closed, so you can always check what happened while you were away.

Temperature Graph
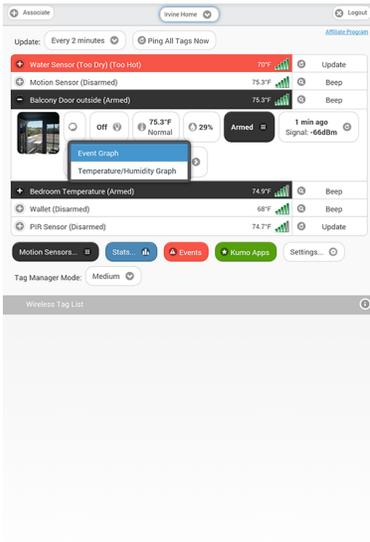
Temperature is logged periodically for each tag at the interval specified at **Step4, "Out-of-range Notification."** To view logged data, click the graph button and choose "Temperature Graph".
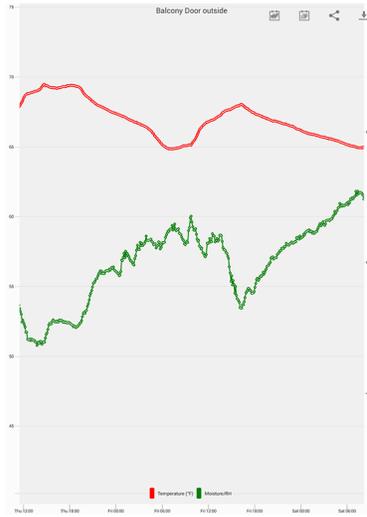
Initially, hourly (or if captured data range is long enough, daily high/low) graph will be displayed. Zoom in by pinch gesture to view raw data points.
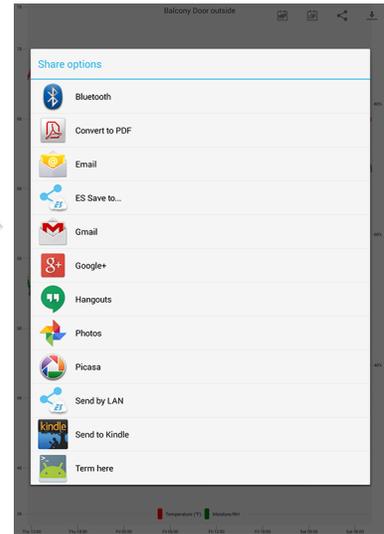
Click the buttons at upper right corner to download all available raw data in one CSV file or send the current graph as an attachment.

Multiple Tag Temperature Graph
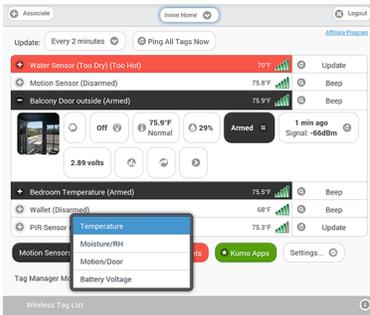
After there is enough data captured, click the blue "Stats" button at the bottom of the screen and choose the type of data you want to view.
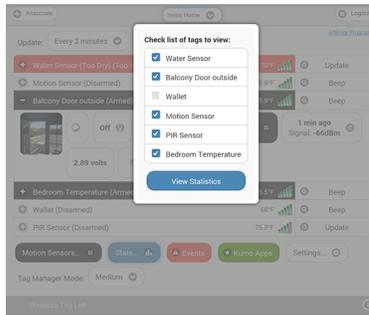
Choose which Tags / KumoSensors / Nest whose data you wish to view side by side.
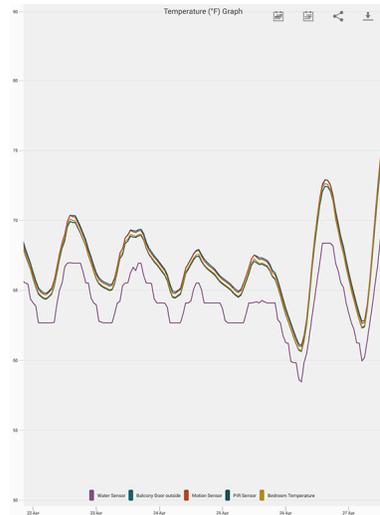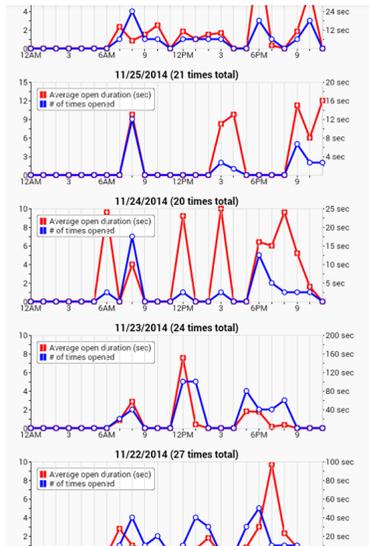

Initially, hourly (or if captured data range is long enough, daily high/low) graph will be displayed side by side for all selected tags/sensors. Zoom in by pinch gesture to view raw data points.

Door Stats
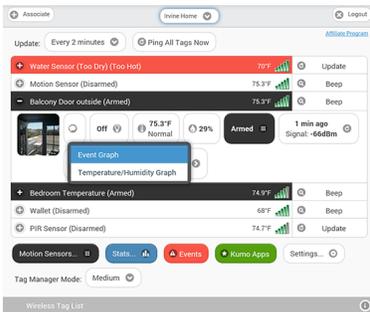
Historical motion events for a single tag or multiple tags can also be visualized the same way.

Number of times door is opened and average duration vs. time of the day are displayed. You can also download all available raw data in one CSV file.


When you click on anywhere on the graph for a particular date, a detail history for that date is displayed. You can sort by time of the day, how long the door has been open, or event type (opened or moved).

Custom URL Calling on Event

You can define a custom URL (such as REST endpoint of home automation systems) to be called on each type of event for each tag individually or all tags. Each URL may include placeholders such as "{0}" or "{1}" to be replaced with specific information from each event. With home automation systems such as Universal Devices Insteon/ISY or Phillips Hue Lamps that supports HTTP based API, you can turn on light when door is opened, or motion is detected, for example.
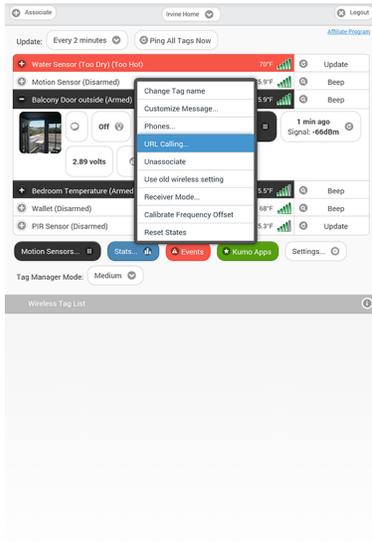
Click the ">" button then choose "URL Calling...".
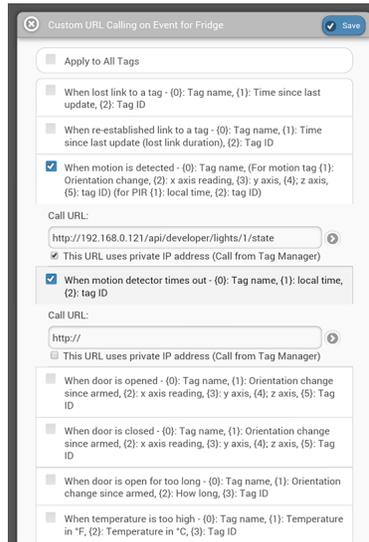
Click on the event(s) you want to enable URL calling, and enter the URL of your REST Web service.
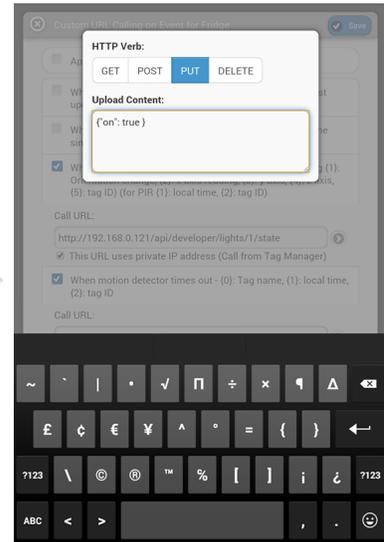

If the HTTP REST API you are calling requires HTTP Verb other than "GET" or requires argument to be sent in HTTP body, click on the ">" button at the right to specify these.

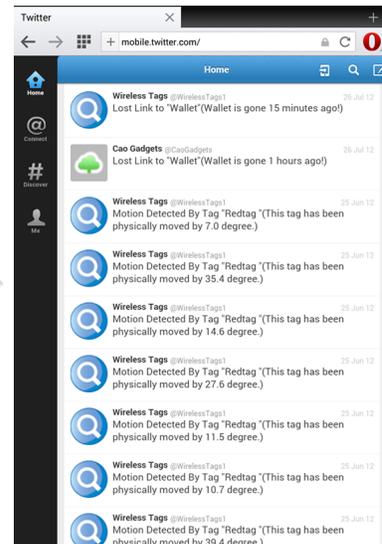# Customize Notification Messages

You can customize each type of notification messages for each tag individually or all tags by defining a custom template. Each template may include placeholders such as "{0}" or "{1}" which will be replaced with different information for each type of message. See a full list of customizable notification messages.
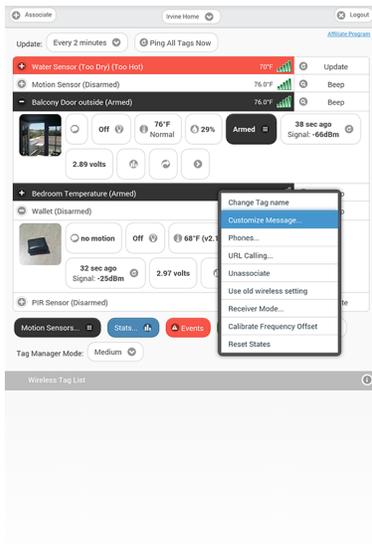
Click the ">" button then choose "Customize Messages...".
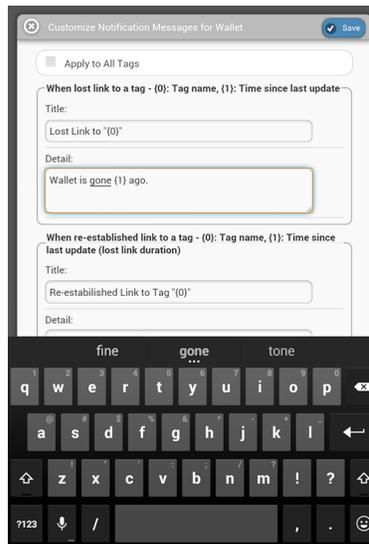
For example, let's change the message sent when this Tag (Wallet) is out of range to a simpler one.

The Tweet sent when the tag "Wallet" is out-of-range now uses specified custom message. Notification message for other tags are not affected unless "Apply to All Tags" is checked.
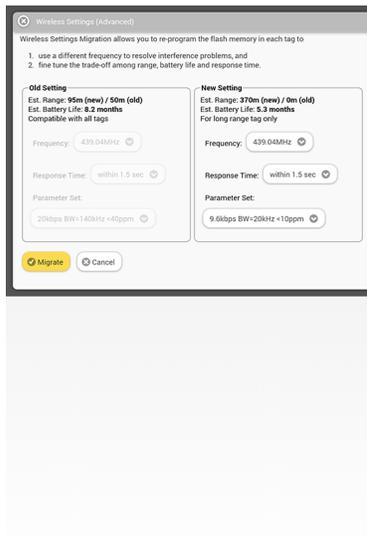
Wireless Settings

Wireless Settings allows you to re-program the flash memory in each tag to use a different frequency to resolve interference problems, and to achieve a desired balance between range, battery life and response time.
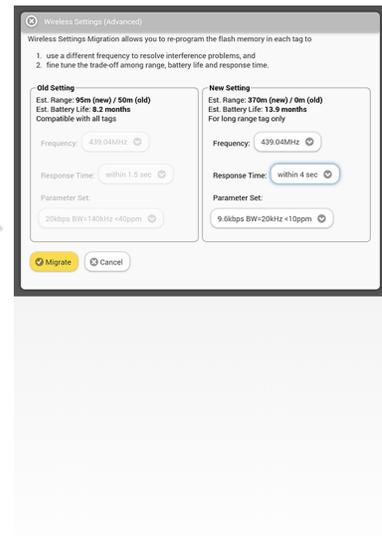
Wireless Settings
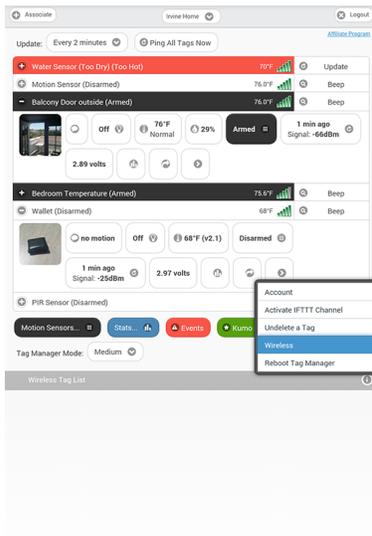
Click the "Settings..." button at the very bottom and choose "Wireless."

The system remembers the previous (Old) settings and use it for tags whose flash memory failed to update. When you modify any of the "New Setting", estimated range and battery life will be calculated.

The longer the response time, or the faster the data rate, the longer the battery life. But faster data rate reduces range. Click the "Migrate" button and Tag Manager will attempt to update the flash memory of all tags to use the new settings.

Incomplete Migration
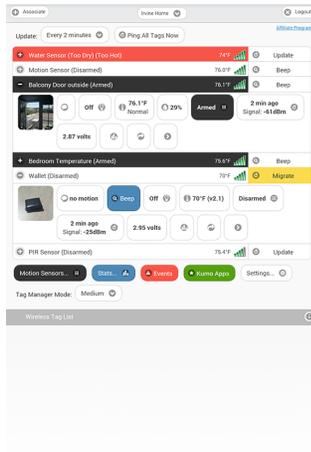
When a tag failed to be updated, its "Beep" button becomes a "Migrate Setting" button. Click on it to retry updating its flash memory. Before update succeeds, Tag Manager communicates with that Tag using the old wireless setting. Alternatively, click the ">" button and then "Use new wireless setting" if in fact the tag has migrated successfully but did not get recognized that way.
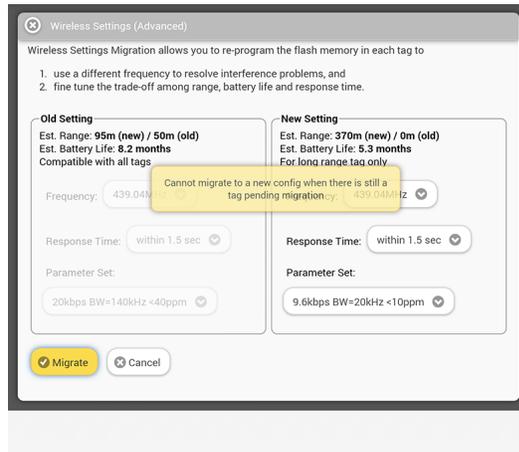
Since the Tag Manager has to remember the old wireless setting when there is still tag using it, you cannot introduce a third wireless setting until all tags on your tag list finishes migration to the new setting.

Using More Than One Tag Manager

Use multiple tag managers to cover a wider area, enable tags to "roam" from one area to another, or manage more than 255 tags at one time.

Adding Tag Managers
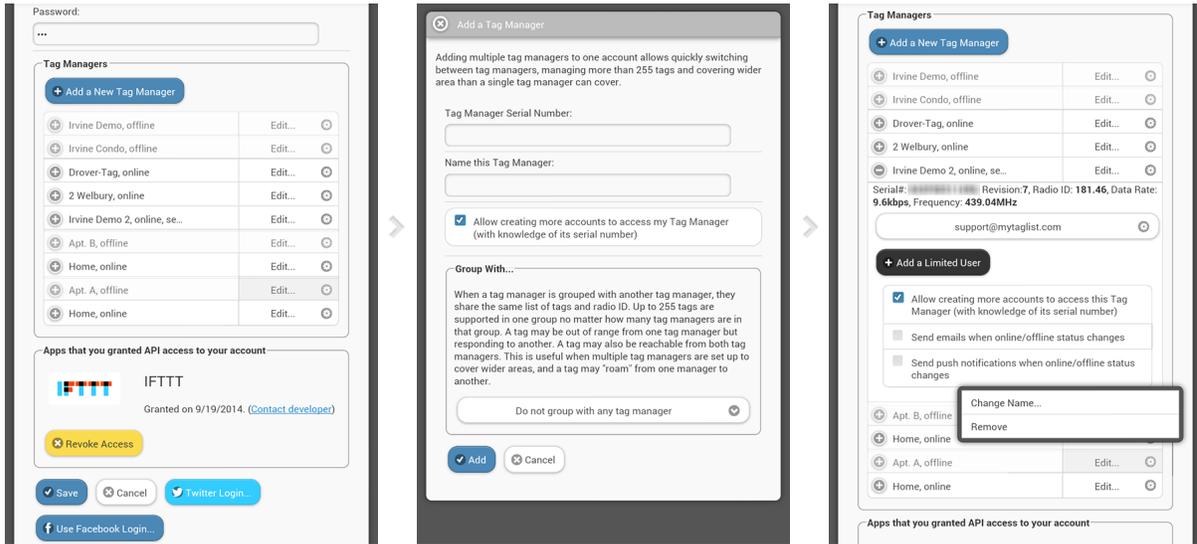
Click the "Settings..." button at the bottom of screen and choose "Account" to open account settings, where you can add tag managers to your account.


Click "Add a New Tag Manager" button to open this screen. When a tag manager is grouped with another, they manage the same list of tags. Otherwise, it has its own list of (up to 255) tags.

You can see the list of tag managers added to your account, if they are online or offline, and change their name, or remove them. Changes made to the list is not applied until you click "Save" button.

Navigation & Events
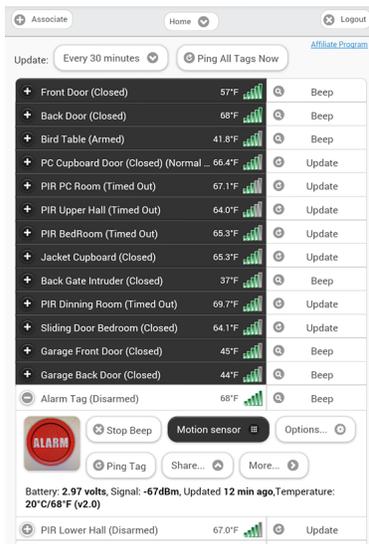
When a tag manager is not grouped with another tag manager, each has its own list of tags. Use the drop down at the top bar to quickly switch between tag lists.
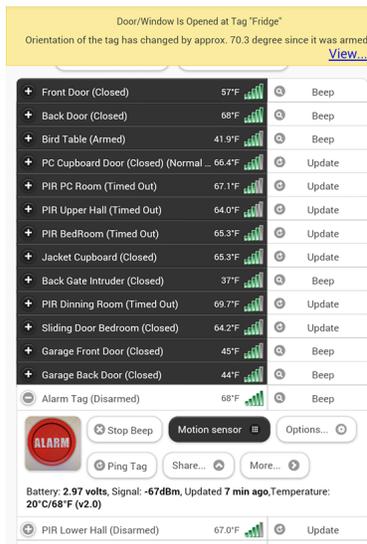
While an event is received from one of your tags not on the tag list you are currently switched to, the popup will contain a link "View.." to allow you to click/tap...
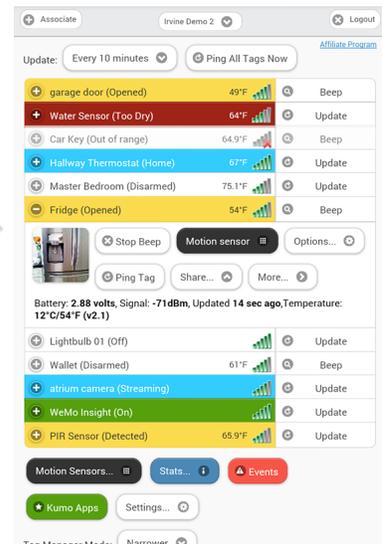
... to switch to the right tag manager, to view details of the event.