

IFTTT Installation and Usage Guide



IFTTT

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Overview

IFTTT (an abbreviation of “If This Then That”) is a free web-based service that allows users to create chains of simple conditional statements, called “recipes”, which are triggered based on changes to other web services and products.

IFTTT integration into URC allows it to control any of the products or services integrated into IFTTT and have those products also control the URC.

This expands the integration of URC to support numerous functions that it natively does not do. We have listed a few examples of what integration can bring to URC below and have also stepped through programming some of the ones we feel are useful to a lot of people. Note that this is a small list of things we liked. There are a lot of other things you can do currently (with lots more coming in future to IFTTT) so we suggest you check out the channels on the IFTTT website.

**Over 700 brands and services trust IFTTT
to securely connect to each other**



Features

- Two way communication between URC and IFTTT
 - NOTE: For incoming messages a pushover subscription is required
- Connect to over 700 services many of which are otherwise unavailable through URC
- IFTTT can allow multiple accounts to connect to a service allowing the whole family to trigger events in URC

Examples

OUTBOUND EXAMPLES (URC > IFTTT)

- URC can send SMS's to your phone.
- URC can call your phone number and say a message (for security alarms, smoke alarms and other emergencies).
- URC can save data about the events in your home in google docs or Dropbox.
- URC can save data about the events in your home to IFTTT's daily or weekly email digest.
- URC can send push notifications (using pushalot, pushbullet or pushover)
- URC can send emails without a 3rd party driver.
- Control4 can send push notifications out without 4sight or 3rd party driver (using pushalot, pushbullet or pushover)
- URC can send Skype messages
- URC can control your RainMachine irrigation system.
- URC can send notifications to your Android wear device (requires IFTTT app installed).
- URC can send notifications to your Apple Watch (requires pushover).
- URC can send your Tesla (EVE enabled) a message (with subject, message and message type fields) on your car's dashboard
- URC can send your BMW (Connected Drive Compatible) a message on your car's front screen display (120 characters limited)
- URC can turn on or off your GE Smart Appliance and more.
- Add an iOS reminder when the projector lamp is near the end of its life
- URC can send a twitter message
- URC can save a track your listening to on Spotify

INBOUND EXAMPLES (IFTTT > URC)

- URC can lower shades or close awnings based on the current weather conditions
- URC can be controlled from your Apple Watch (using Workflow)
- Assissant.ai can send commands to URC via voice recognition
- Turn on the outside light when your Dominoes pizza is about to be delivered.
- URC can pause your music and videos when you answer your phone (android only)
- URC can detect if a specific person has entered or left a room/zone using beacons.

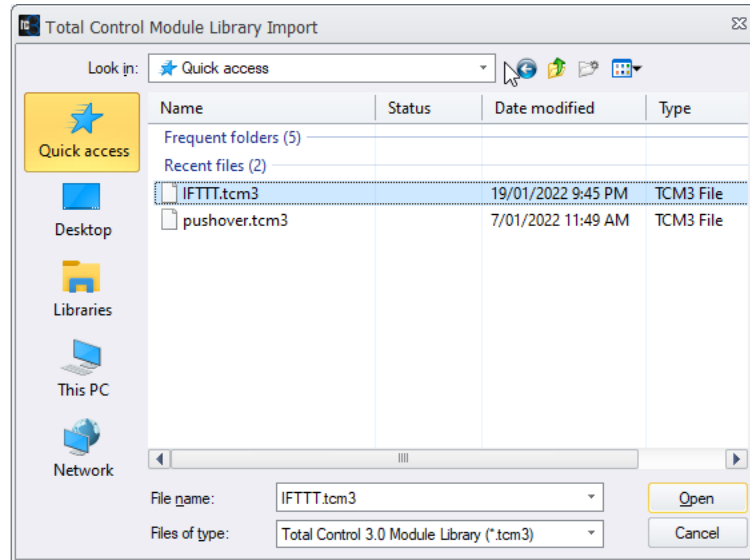
- iOS Location and Android Location (via the IF app) can tell URC when you are approaching or leaving home.
- Send a warning to URC when something has been picked up or moved (needs wireless tag)
- iOS Location and Android Location (via the IF app) can tell Control4 when you are approaching or leaving home.
- Your BMW (Connected Drive Compatible) can tell URC when it is entering or exiting an area
- Your EVE enabled Tesla car can tell URC when it has arrived home, is leaving home or on the way home.
- Your Automatic, Zubie or Dash enabled car can tell Control4 when you have turned the car on or off within a certain area
- Your GE, LG and Samsung Smart appliances can tell URC when it has been turned on, off, if for example an oven timer is done, if there is a leak in the dishwasher, if the filter needs cleaning, if the dryer cycle has finished, if the fridge door has been left open for too long.
- Your Nest Protect smoke alarm can send URC smoke emergency, warning and carbon monoxide emergencies
- Your Netatmo Welcome can tell Control4 when a specific person, known person or even an unknown person has been seen or arrives home (facial recognition)
- Your Netatmo Welcome can tell URC when a specific person, known person or even an unknown person has been seen or arrives home (facial recognition).
- Control URC via SMS or phone call to IFTTT.
- Your Android phone can tell URC when it has connected or disconnected to/from a specific Wifi network.
- Your Android phone can tell URC when it has connected or disconnected to/from a specific Wifi network.
- Change the colours of your RGB LED's to your teams colour using the ESPN channel when the game starts.

Installation

To install the module, you will need to do the following

Import TCM

From the file menu, Import TCM Files



Add the module to your project

In Step 4. Add Other Drivers. You will need to

Install Module

Step 1 - select a room for the module

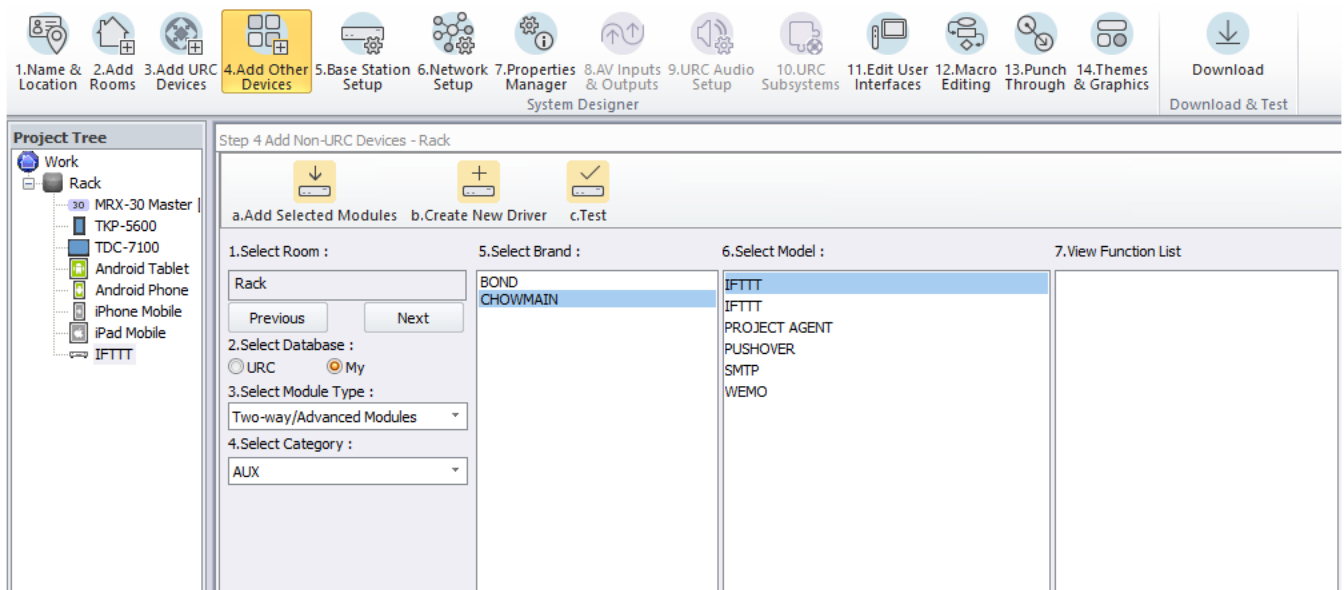
Step 2 - select My

Step 3 - select Two-way/Advanced Modules

Step 4 - select AUX

Step 5 - select CHOWMAIN

Step 6 - IFTTT (double click)

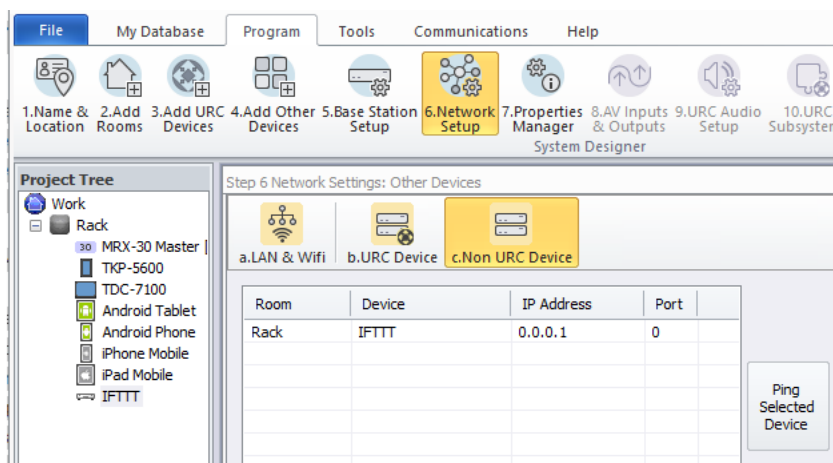


Network Settings

Finally go to Step 6. Network Settings and Choose Non URC Devices.

In the IP Address field enter the IP address for the IFTTT. Its best to simply use a fake address in the for 0.0.0.x (where x is the next free number, for example 0.0.0.1 if you have no other modules using this addressing scheme).

Optionally you can enter a value for the port (if you've require something different from the default) or just leave it on the default - 0.



System Parameters

The IFTTT core module does not require any parameters, but there are several available.

All system parameters are entered in the following format

KEY=VALUE

The following table details the system parameters that work with this module.

KEY	VALUE
LICENCE	Licence code to register the driver
USER	Pushover username
PASS	Pushover password
KEY	IFTTT maker key
DEBUG	Puts the module into its debug mode

LICENCE [optional during trial, required after trial has expired]

This module requires a licence to run after the trial period expires. You can purchase a licence from <https://drivercentral.io/platforms/urc-drivers/utility/ifttt-maker-urc-module-chowmain/>. Once you have the licence you will need to enter it in the system parameters using the format shown below.

LICENCE=A1B2C3D4E5F67890

USER [required]

The USER parameter is your pushover username. This is typically an email address.

USER=user@chowmainsoft.com

PASS [required]

The PASS parameter is your pushover password.

PASS=Ab4Zd21a

KEY [required]

The KEY parameter is the IFTTT maker channel key. See the next page for details on how to generate this key.

KEY=7h150n3is_m4d3Up_y0uw111h4v370_u53_y0ur0wn

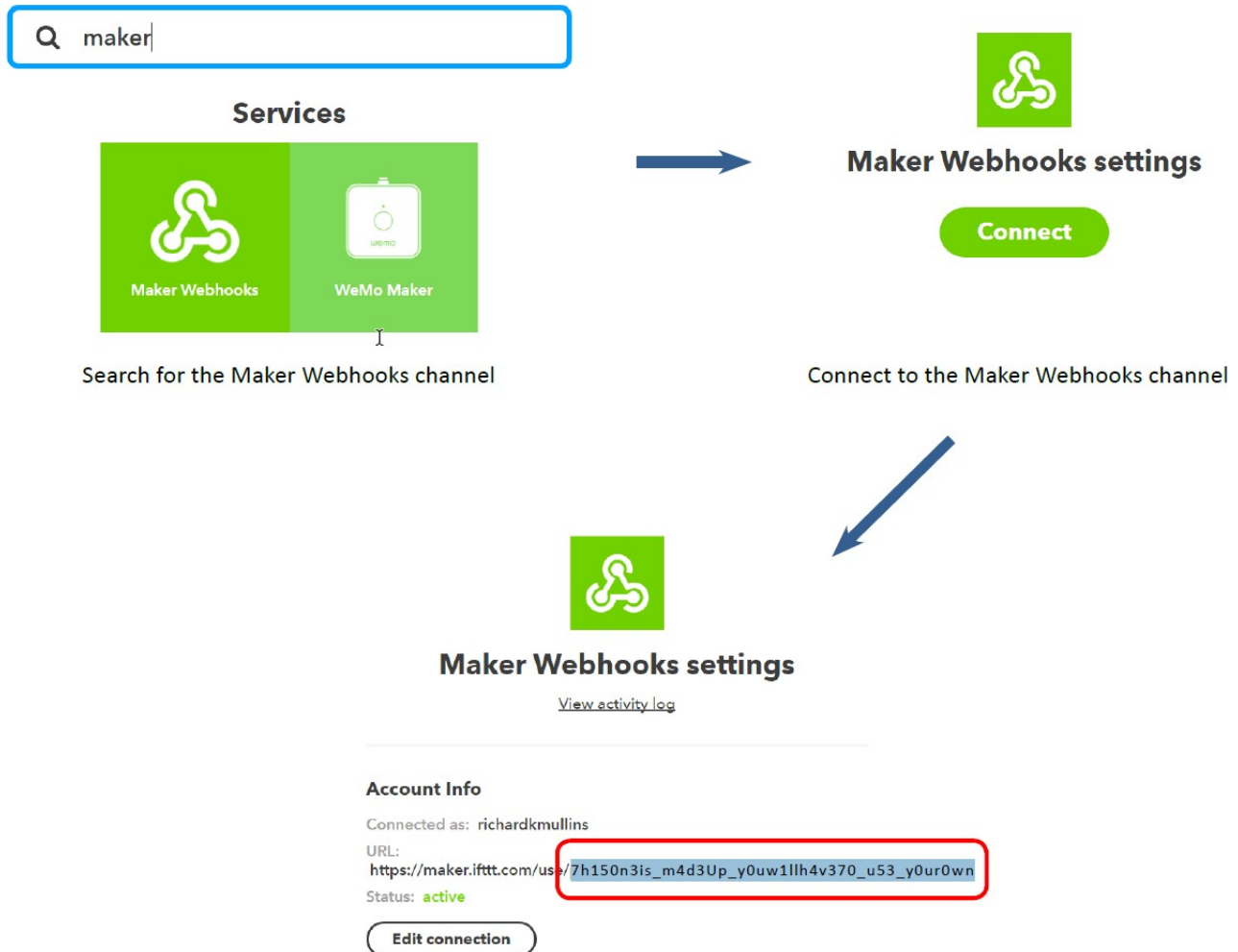
Debug mode and logging

To enable logs, you need to add the DEBUG parameter and set it to ON. This will write log files to the processor that can be retrieved at a later time.

DEBUG=ON

IFTTT Maker Channel Configuration (Inbound Messages)

We use the IFTTT maker channel for sending messages from URC to IFTTT. To set the Maker channel up you need to go to the IFTTT website and type maker in the search box. You will see the Maker Webhooks channel in the results.



Go to settings and copy the key (indicated above in the red rectangle) into the KEY parameter (see the Module Parameters section of this guide for details).

Two Way Commands

To send a message out to IFTTT you will need to use a Two Way Command in accelerator. In this case you could consider the URC system being the 'this'. The first step in creating an outgoing message is to create a trigger using the maker channel. This will be the same for each message you want to send. The maker channel needs a unique name and can have three extra data fields that can be used in your IFTTT recipe as well. Set up the Two Way command with the name and the optional extra data fields in Accelerator. That is all you need on the URC side, everything else is setup from the IFTTT website.

Send IFTTT Message

The Send IFTTT Message command is used to send a message from URC to the IFTTT maker channel. In this case you could consider the URC system being the 'this'. The command has four parameters, the Event and three value fields.

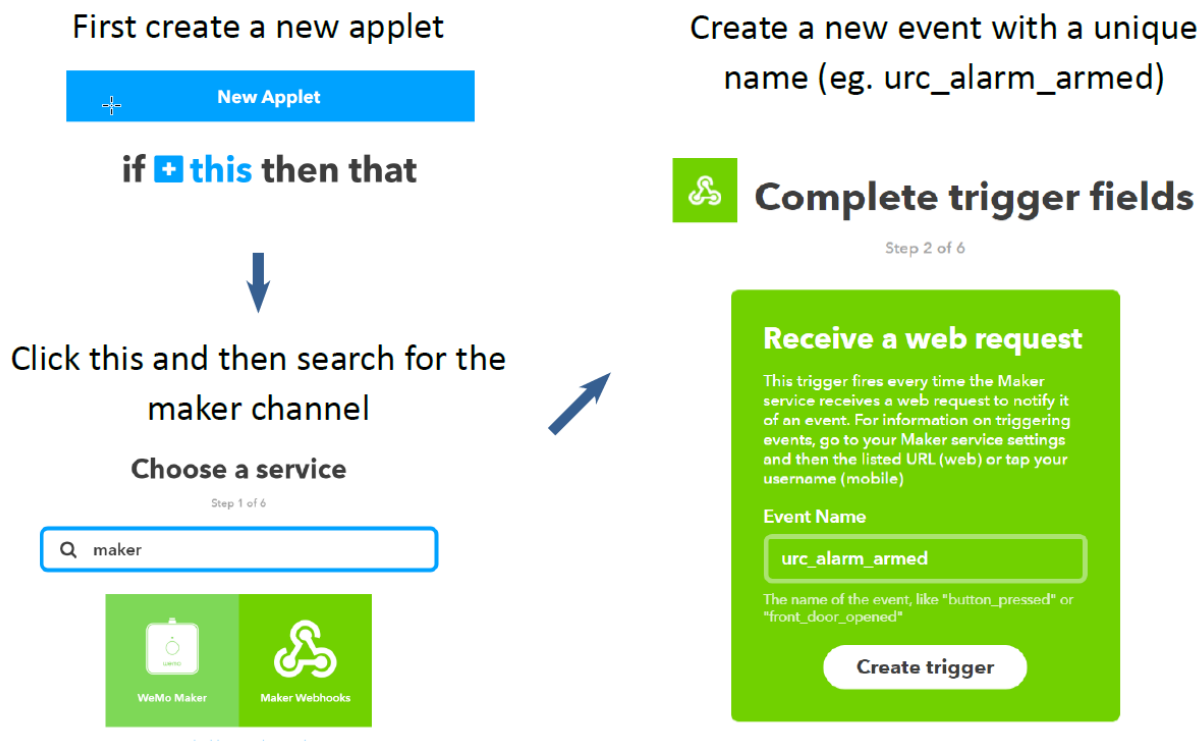
Event

The event parameter is the only required parameter for the Send message command. This is the name that the maker channel will trigger on. This needs to be configured in the Maker channel as shown below.

Value 1, Value 2 and Value 3

The value fields are optional and can be left blank if you don't require them. If you do use the value fields they will be available in the action - the 'that' - programming section.

Create a new applet and setup the maker channel



Now you can join this event to any of the IFTTT channels. There are many different channels to choose from and we have given you a few examples on the next page but to get started pick something simple to test, like email.

Create the action for the URC trigger

IFTTT has many dozens of channels so you have a lot of flexibility in triggering an event from URC. Below we have shown how to send an email.

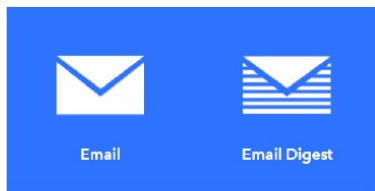
if  then  that



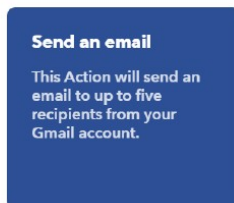
Search for email

Choose action service

Step 3 of 6



Select Send an email



Fill in the fields to suit.



Complete action fields

Step 5 of 6

Send me an email

This Action will send you an HTML based email. Images and links are supported.

Subject (required)

Office Security System
EventName

+ Ingredient

Body

The Office was EventName at
OccurredAt by Value1

+ Ingredient

Create action

You will notice in the Send me an email dialog that some of the text is highlighted in White. These are labels that match the extra values from Accelerator. Clicking on Add Ingredient will give you the list of ingredients you can add.

In the case above it would send an email with the name of the event (urc_alarm_armed), when it occurred and name of the person that armed (from Accelerator).

Device Events (incoming Messages)

To receive a message from IFTTT you will need to use Automation Macro in accelerator. In this case you could consider the URC system being the 'that'. In accelerator the only thing that needs to be set is an Automation Macro. There are two fields that can be sent from IFTTT to the URC, a title and a message.

IFTTT communicates to URC using the pushover push notification service. The module is constantly listening for new messages and will repond as soon as a new message arrives. You can pick any of the available channels to generate the trigger (this) but the action (that) in IFTTT will always be pushover.

New Message

The New Message event has two parameters, Title and Message.

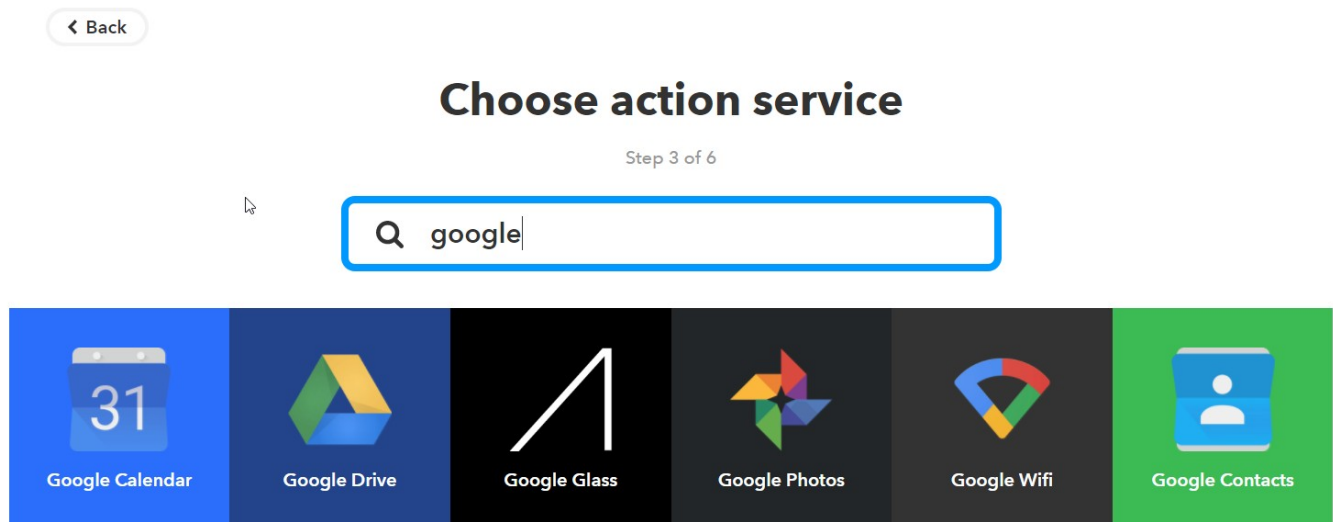
A message is required so its best to make that the primary message (Turn on A/C for example). Use the title for more specific information (like the room name).

URC Action (Incoming) example - Google Home

This example setup uses a trigger from the Google Home to turn lights off in the room you specify to the google home.

Step 1 - Create a new Applet

The first step is to create a new applet and add this 'this' step. For this example will be using the Google Assistant, so search for Google and choose Assistant.



Step 2 - Configure applet

Choose the Say a phrase with the text ingredient



Choose trigger

Step 2 of 6

Say a simple phrase

This trigger fires when you say "Ok Google" to the Google Assistant followed by a phrase you choose. For example, say "Ok Google, I'm running late" to text a family member that you're on your way home.

Say a phrase with a number

This trigger fires when you say "Ok Google" to the Google Assistant followed by a phrase like "Set Nest thermostat to 68." **Use the # symbol to specify where you'll say the number ingredient

Say a phrase with a text ingredient

This trigger fires when you say "Ok Google" to the Google Assistant followed by a phrase like "Post a tweet saying 'New high score.'" **Use the \$ symbol to specify where you'll say the text ingredient

Say a phrase with both a number and a text ingredient

This trigger fires when you say "Ok Google" to the Google Assistant followed by a phrase like "Block time for 'exercise' at 6 PM." **Use the # symbol to specify where you'll say the number ingredient and \$ where you'll say the text ingredient

Enter in the phrase you want to trigger the event from. In this case we want to turn off the lights in the room we specify. We want to be able to say "Turn off the bedroom light" or "Turn the Living light off" for example.

To match on this phrase we can use a \$ get room name from the Google Home and send it to URC.

We have also added a few variations on the phrase so its more likely to get a match.

Say a phrase with a text ingredient

This trigger fires when you say "Ok Google" to the Google Assistant followed by a phrase like "Post a tweet saying 'New high score.'" **Use the \$ symbol to specify where you'll say the text ingredient

What do you want to say?

Turn the \$ light off

Enter a \$ where you'll say the text ingredient

What's another way to say it? (optional)

Turn off the \$ light

Enter a \$ where you'll say the text ingredient

And another way? (optional)

Turn \$ light off

Enter a \$ where you'll say the text ingredient

What do you want the Assistant to say in response?

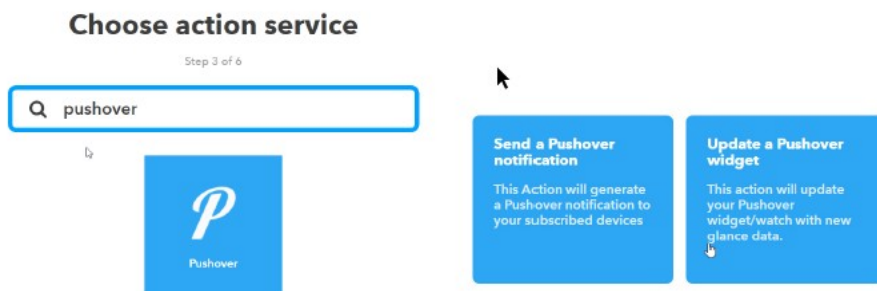
Turning the \$ light off

You can enter a \$ where you want to hear the text ingredient in the response

Create trigger

Step 3 - Configure the Action

Click 'that' and search for Pushover and select the Send a Pushover notification.



In the pushover notification dialog set the message to Turn Light Off and set the title to TextField. This will be the room name.

The screenshot shows the configuration screen for the 'Send a Pushover notification' action. The title of the screen is 'Send a Pushover notification'. Below the title, it says 'This Action will generate a Pushover notification to your subscribed devices'. There are four main configuration sections: 1. 'Title' with a text input field containing 'TextField' and an 'Add ingredient' button. 2. 'Message' with a text input field containing 'Turn Light Off' and an 'Add ingredient' button. 3. 'Message Priority' with a dropdown menu currently showing 'Normal'. 4. 'Message Sound' with a dropdown menu currently showing 'None (silent)'. At the bottom, there is a note: 'Sound to play, overriding your device's default'.

The Automation Macro needs to have Turn Lights Off as the message . You can add as many of these as you have rooms.

Send a Pushover notification

This Action will generate a Pushover notification to your subscribed devices

Title

TextField

Add ingredient

Message

Turn Light Off

Add ingredient

Message Priority

Normal



Message Sound

None (silent)



Sound to play, overriding your device's default