



## **IFTTT Maker Driver**

# White Good Appliance Examples

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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 "applets", which are triggered based on changes to other web services and products.

IFTTT integration into Control4 allows Control4 to control any of the products or services integrated into IFTTT and have those products also control Control4.

Quite a lot of white good appliances integrate to IFTTT to allow for control and/or feedback. By

utilising the Chowmain IFTTT driver in conjunction with the Chowmain Experience Button Suite we can give the home owner the ability to control and/or monitor their appliances directly from Control4's Navigator user interface.



This document guides you through integration of the Samsung Robot Vacuum cleaner product to Control4 using the Chowmain IFTTT maker driver with two way feedback/control. Note that the logic in this example is exactly the same as all other white good appliances and as such can be applied to other devices such as Samsung Washers, Home Connect Ovens, Home Connect Washers and more. Not all devices support control but all support feedback which is useful for the home owner to see the state of their device in Navigator.

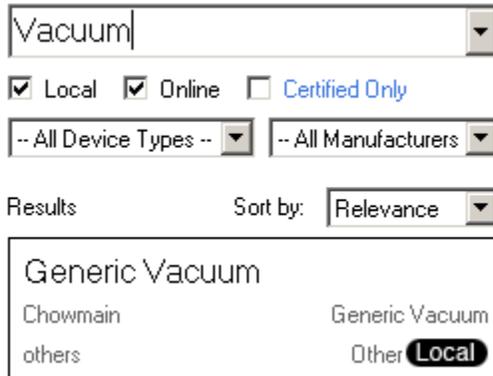
Note this document assumes that you have setup the Chowmain IFTTT maker driver for Control4. If you have not done so, please refer to the document titled Chowmain - IFTTT Maker Driver Installation Guide.

## Adding the Vacuum Experience Button

1. Launch the Composer Pro application and connect to your project
2. In the **System Design** tab select the **Search** tab on the right hand side



3. Type in the name of the experience button driver you want to add in the search box. In this case it is **Vacuum**


 A screenshot of a search interface. At the top, a search box contains the text "Vacuum". Below the search box are several filters: "Local" (checked), "Online" (checked), and "Certified Only" (unchecked). There are also two dropdown menus for "Device Types" and "Manufacturers", both set to "All". Below the filters, there is a "Results" section and a "Sort by" dropdown set to "Relevance". The results list shows "Generic Vacuum" as the top result, with "Chowmain" and "others" listed below it. To the right of "Generic Vacuum", there is a "Generic Vacuum" label and "Other Local" with a "Local" badge.

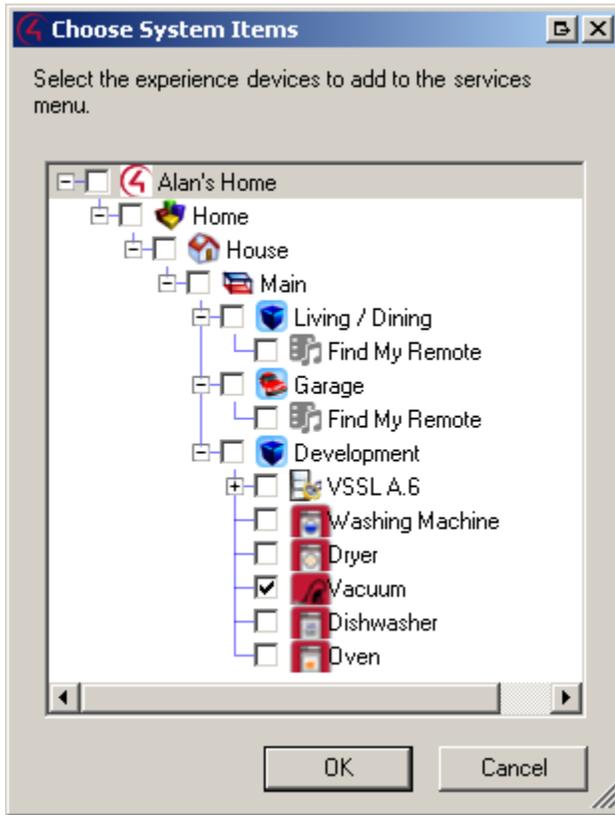
4. Double click on the experience button driver you want to add it to your project
5. Highlight the driver on the left hand side
6. In the driver properties enter in the Houselogix licence details
7. You now have to add the experience button to the relevant menu item. In this example we are going to use the services menu so click on the **Agents** tab



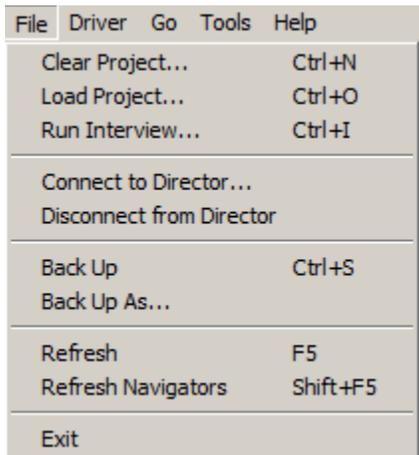
8. Click on the **Guest Services** Agent (If you do not have this please use the Add button to add the agent)
9. Click on the **UI Button** button



10. Select the **Experience Button** you want to add to the **Guest Services** Agent and click on the OK Button



11. Click on the File and Refresh Navigators. Now we have to add control and feedback to the experience button

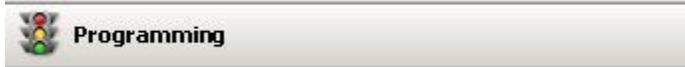


## Programming the Experience Button for control

This section of the document describes how to make the experience button control the Vacuum cleaner. This will send it commands to turn on or off

### Composer Portion

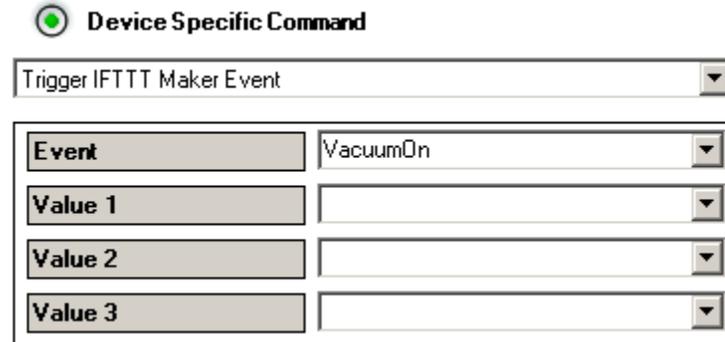
1. In the **Programming** tab highlight the driver on the left hand side



2. Click on the **On** event in the drop down box



3. In the actions side select the **IFTTT Maker driver**
4. Click the radio button labelled **Device Specific Command**
5. Select **Trigger IFTTT Maker Event**
6. For the event name type in **VacuumOn**



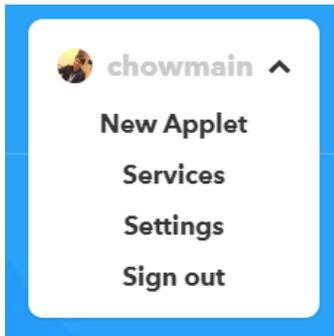
7. Drag the green arrow into the script
8. Click on the **Off** event in the drop down box
9. In the actions side select the **IFTTT Maker driver**
10. Click the radio button labelled **Device Specific Command**
11. Select **Trigger IFTTT Maker Event**
12. For the event name type in **VacuumOff**
13. Drag the green arrow into the script

## IFTTT Portion

1. Log in to <https://ifttt.com>
2. Click on the arrow next to your account in the top right corner of the website



3. Select **New Applet**



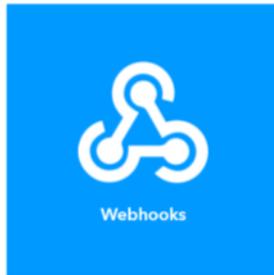
4. Select **+this**

if  **this** then that

5. Type in **web** in the search bar and select **Webhooks**

## Choose a service

Step 1 of 6



6. It will now prompt you for a trigger.  
Select **Receive a web request**

### Receive a web request

This trigger fires every time the Maker service receives a web request to notify it of an event. For information on triggering events, go to your Maker service settings and then the listed URL (web) or tap your username (mobile)

7. It will now prompt you for an Event Name  
Type in **VacuumOn**

**NOTE:** It is important that you type this in exactly the same way you typed it in the composer section

## Complete trigger fields

Step 2 of 6

### Receive a web request

This trigger fires every time the Maker service receives a web request to notify it of an event. For information on triggering events, go to your Maker service settings and then the listed URL (web) or tap your username (mobile)

Event Name

The name of the event, like "button\_pressed" or "front\_door\_opened"

**Create trigger**

8. Click on **Create Trigger**



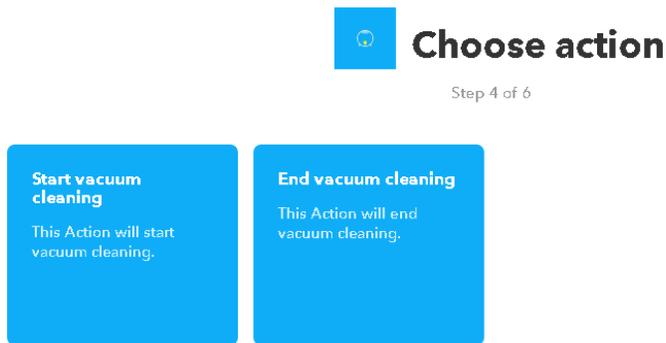
9. Click on **+that**

**if**  **then**  **that**

10. Type in **samsung** in the search bar and select **Samsung Robot Vacuum**  
**Choose action service**



11. It will now prompt you for an Action  
Select **Start vacuum**



12. It will prompt you to select a Vacuum. Select the Vacuum you want

13. Click on **Create Action**



14. It will now ask you to review your applet. Once you have confirmed it is right then click on **Finish**



Congratulations you have successfully setup your Samsung Vacuum with IFTTT and Control4

**NOTE:** Repeat steps 3 – 16 but for the Vacuum Off command

## Programming the Experience Button for feedback

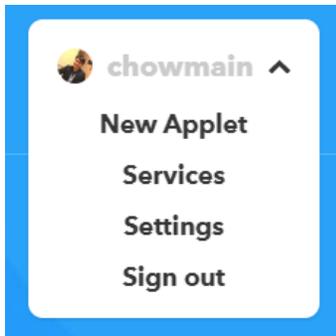
This section of the document describes how to send feedback to the experience button to tell it that it has turned on or off. This will update the icon to the correct state

### IFTTT Portion

1. Log in to <https://ifttt.com>
2. Click on the arrow next to your account in the top right corner of the website



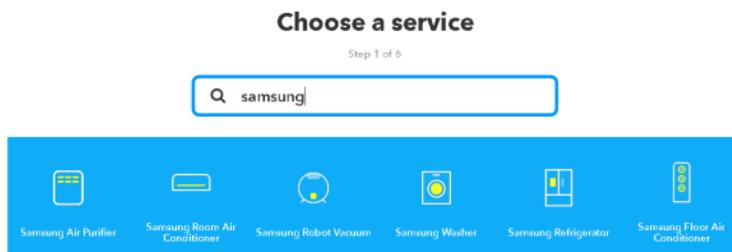
3. Select **New Applet**



4. Select **+this**



5. Type in **samsung** in the search bar and select **Samsung Robot Vacuum**



6. Choose **Vacuum starts**

 **Choose trigger**

Step 2 of 6

<p><b>Vacuum ends</b></p> <p>This Trigger fires every time your vacuum finishes cleaning.</p>	<p><b>Vacuum starts</b></p> <p>This Trigger fires every time your vacuum starts.</p>
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7. Select your device and click on **Create Trigger**

 **Complete trigger fields**

Step 2 of 6

**Vacuum starts**

This Trigger fires every time your vacuum starts.

Which device? \*

Options Unavailable 

**Create trigger**

8. Click on **+that**



9. Type **pushover** in the search bar and select **Pushover**

**Choose action service**

Step 3 of 6

 pushover



- 10. It will prompt you for an action.
- 11. Select **Send a Pushover notification**

 **Choose action**

Step 4 of 6

**Send a Pushover notification**

This Action will generate a Pushover notification to your subscribed devices

- 12. It will now prompt you to complete action fields  
Type in **VacuumOn** for the title

Title

+ Ingredient

- 13. Type in something for the message (we are ignoring this in the driver so doesn't matter what you type in)

- 14. For the device select **Control4\_IFTTT**

Device

- 15. Click on **Create Action**

**Create action**

- 16. Review your Applet and click on Finish

**Finish**

## Composer Portion

1. Click on the **Programming** Tab
2. Under Device Events select the **IFTTT Maker** Driver
3. Click the radio button next to **IFTTT Action Detected**
4. On the Device Actions side click on the + symbol next to the **IFTTT Maker** Device action to expand it



5. Highlight **Last Title**
6. Click on the **Conditionals** tab
7. Type in the title we set earlier (in this case it was **house**)



8. Drag the **Question** mark over to your script
9. Select the Vacuum on the actions side
10. Click the radio button labelled Device Specific Command

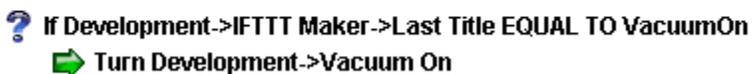


11. In the drop down box select Turn On



12. Drag and drop the action on top of the question mark

**NOTE:** The question marks and arrows are indented from the left. If they are indented it means that they are executed when that condition is true. This is important



13. Perform steps 1 to 13 for Vacuum Off. Your script should look something similar to this

### IFTTT Action Detected

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- ? If Development->IFTTT Maker->Last Title EQUAL TO VacuumOn
  - ➡ Turn Development->Vacuum On
- ? If Development->IFTTT Maker->Last Title EQUAL TO VacuumOff
  - ➡ Turn Development->Vacuum Off

Congratulations you have successfully setup feedback for your Vacuum

## Integration Notes

- The On and Off events in the driver are used for programming off of the button press on navigator. Use this only to send the IFTTT command to turn the appliance on or off
- If you want to program *off* and *on* feedback (if the appliance has been turned on or off then use the variable named ON. If it is true then it is *on*. If it is false then it is *off*)
- The Turn On and Turn Off actions are used solely to provide feedback to the driver. This will change the icon to an on state or off state and will also change the ON variable to true or false. If you want to turn on or off the device please duplicate the programming you have entered in to the ON and OFF events