



IFTTT Maker Driver

Microsoft Cortana Examples

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Contents

Overview	2
Setting up Cortana on Windows 10 to always listen	3
Programming Inbound Microsoft Cortana Commands.....	4
Example 1 – Using Microsoft Cortana to turn your house off	4
IFTTT Portion	4
Composer Portion	9
Example 2 – Using Microsoft Cortana to dim lights to a percentage	10
IFTTT Portion	10
Composer Portion	15

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.

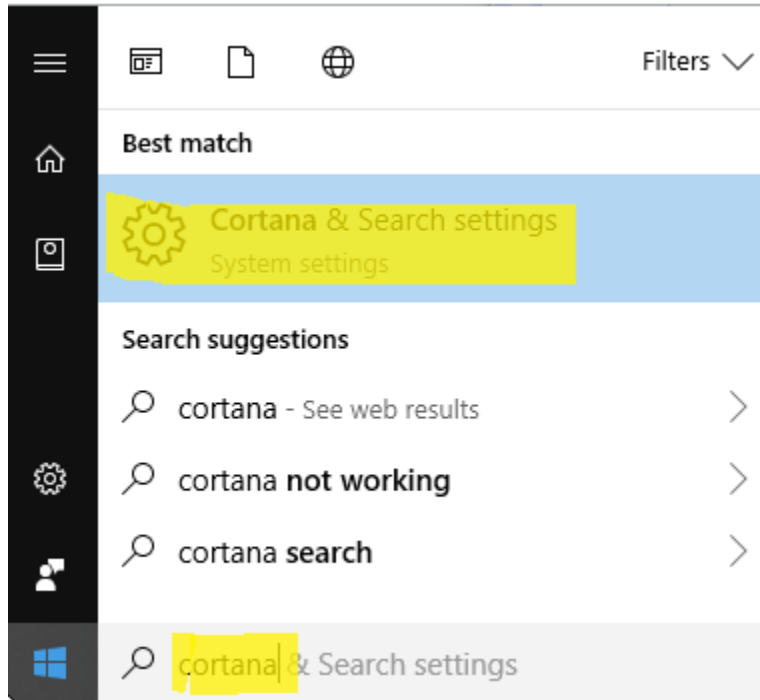
Microsoft Cortana is a virtual assistant that brings the voice control to any Windows 10 or compatible Windows Phone device.

This document guides you through integration of Cortana to Control4 using the Chowmain IFTTT maker driver.

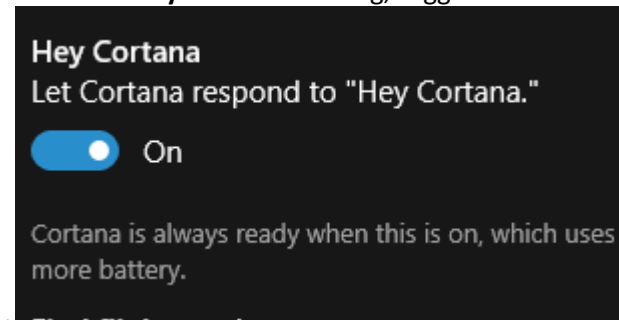
Note this document assumes that you have setup the Chowmain IFTTT maker driver for Control4. If you have not done so, please refer to the document titled Chowmain - IFTTT Maker Driver Installation Guide.

Setting up Cortana on Windows 10 to always listen

1. Click or tap on the **Search** box or **Search** icon on the Taskbar
2. Type **Cortana**
3. Select **Cortana & Search Settings** under **Best match**



4. Under the **Hey Cortana** heading, toggle **Let Cortana respond to "Hey Cortana."** to **On**



NOTE: You may be prompted to provide permission the first time you turn this feature on. Follow the wizard through to completion.

That's it. The next time you say "Hey Cortana" into your microphone, you can just follow on with another voice command that you want Cortana to do or return results to you. If no voice command is received after activation, Cortana will ask several phrases such as "what would you like me to do", "what can I do for you", "need something", "what can I help you with", "what's up" and etc.

Programming Inbound Microsoft Cortana Commands

IFTTT can send commands to Control4 to trigger programming on Control4 to turn devices on/off, playback music, open doors or anything you can dream of. You will need to complete two parts of programming to achieve this. One part is in IFTTT and the other part is in Control4.

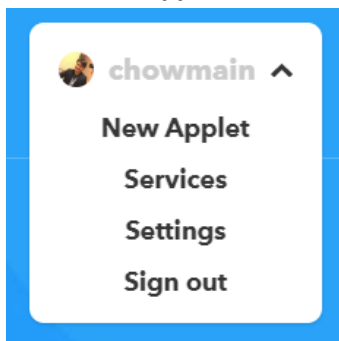
Example 1 – Using Microsoft Cortana to turn your house off

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**



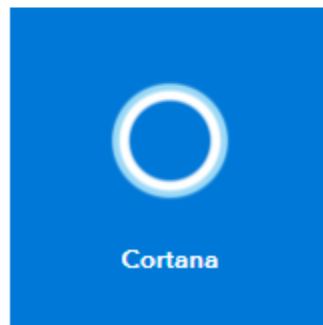
4. Select **+this**

if  **this** then that

5. Type **cortana** in the search bar and select **Cortana**

Choose a service

Step 1 of 6



NOTE: If no results are returned, click **All Services**

NOTE: If prompted press **Connect** and grant IFTTT access to your Microsoft account

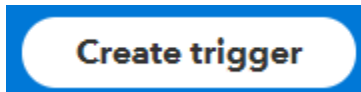
6. It will now prompt you for a trigger.
Select **Say a specific phrase**

Say a specific phrase

This trigger fires every time you utter a specified phrase to Cortana.

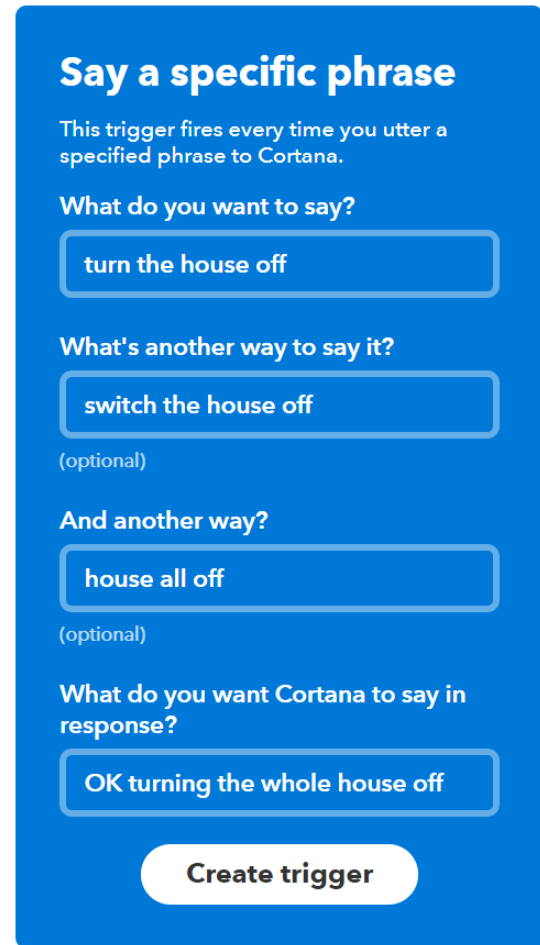
Here you configure the trigger with the prompts that you want to say. In this case we use the following;

7. What do you want to say?
turn the house off
8. What's another way to say it?
Switch the house off
9. And another way?
House all off
10. What do you want Cortana to say in response?
Ok turning the whole house off
11. Select **Create Trigger**



12. Select **+that**

if  then  that

A blue rectangular interface for configuring a Cortana trigger. It has a title "Say a specific phrase" in white. Below it, a subtitle explains: "This trigger fires every time you utter a specified phrase to Cortana." There are four sections, each with a question and a text input field. The first section is "What do you want to say?" with the input "turn the house off". The second is "What's another way to say it?" with the input "switch the house off". The third is "And another way?" with the input "house all off". The fourth is "What do you want Cortana to say in response?" with the input "OK turning the whole house off". At the bottom is a white button with the text "Create trigger".

Say a specific phrase

This trigger fires every time you utter a specified phrase to Cortana.

What do you want to say?

turn the house off

What's another way to say it?

switch the house off

(optional)

And another way?

house all off

(optional)

What do you want Cortana to say in response?

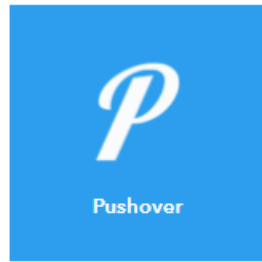
OK turning the whole house off

Create trigger

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

Choose action service

Step 3 of 6



14. It will now prompt you for an action.

Select **Send a Pushover notification**

Send a Pushover notification

This Action will generate a Pushover notification to your subscribed devices

Here you configure the action fields. The title is used as the primary variable and Message as the secondary variable. In this case we use the following;

NOTE: These will be used in Control4 and are case sensitive so, please type them in exactly the same way as you have in Composer

15. Title
House

16. Message
All off

17. Message Priority
Normal

18. Device
Control4_IFTTT

19. Select **Create Action**

Create action

20. It will now ask you to review your applet. Once you have confirmed it is right then select the **Finish**

Finish

Congratulations you have setup the IFTTT portion. Now you need to setup the composer portion of the code

Send a Pushover notification

This Action will generate a Pushover notification to your subscribed devices

Title

house

Add ingredient

Message

all off

Add ingredient

Message Priority

Normal



Message Sound

Pushover (default)



Sound to play, overriding your device's default

URL

URL to display with message

Add ingredient

Device

Control4_IFTTT



Send to a specific device on your account, instead of all

Create action

Composer Portion

1. Select 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**)

 Is  house

8. Drag the **question mark** over to your script
9. Highlight **Last Message**




10. Click on the '**Conditionals**' tab

11. Type in the message we set earlier (in this case it was **all off**)

 Is  all off

12. Drag the **question mark** over to your script and place it inside the first conditional
13. Select the actions or macro's you want to fire and drag it into the second conditional. Your script should look something like this

 **IFTTT Action Detected**

 If Development->IFTTT Maker->Last Title EQUAL TO house
 If Development->IFTTT Maker->Last Message EQUAL TO all off
 Execute Macro 'All Off'

14. Note that 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

Congratulations you have successfully setup the Microsoft Cortana with IFTTT and Control4. Test it out by saying 'Hey Cortana' + the phrase we defined (in this case 'turn the house off').

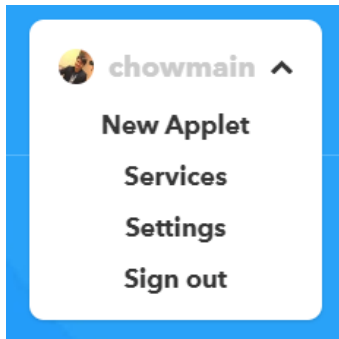
Example 2 – Using Microsoft Cortana to dim lights to a percentage

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**

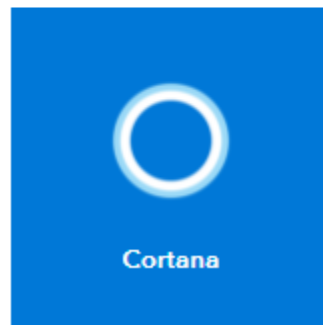
if  **this** then that

5. Type **Cortana** in the search bar and select Cortana

Choose a service

Step 1 of 6

 Cortana



NOTE: If no results are returned, click **All Services**

NOTE: If prompted press **Connect** and grant IFTTT access to your Microsoft account

6. It will now prompt you for a trigger.
Select **Say a phrase with number**

Say a phrase with number

This trigger fires every time you utter a specific phrase and a number.

Here you configure the trigger with the prompt that you want to say. The # sign is used to capture numbers and will be used as a variable later.

In this case we use the following;

7. What do you want to say?
Dim bedroom lights to # percent
8. What's another way to say it?
Set bedroom lights to # percent
9. And another way?
Switch bedroom lights to # percent
10. What do you want the Assistant to say in response?
OK setting bedroom lights to # percent
11. Language?
English
12. Select **Create Trigger**

Create trigger

Say a phrase with number

This trigger fires every time you utter a specific phrase and a number.

What do you want to say?

dim bedroom lights to # percent

Enter a # where you'll say the number ingredient.

What's another way to say it?

set bedroom lights to # percent

Enter a # where you'll say the number ingredient.

And another way?

switch bedroom lights to # percent

Enter a # where you'll say the number ingredient.

What do you want Cortana to say in response?

OK setting bedroom lights to # percent

Enter a # where you'll say the number ingredient.

Create trigger

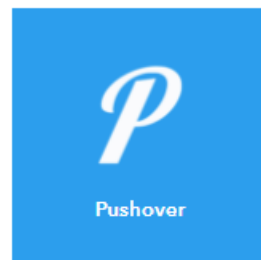
13. Click on **+that**

if  **then**  **that**

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

Choose action service

Step 3 of 6



15. It will now prompt you for an Action.

Select **Send a Pushover notification**

Send a Pushover notification

This Action will generate a Pushover notification to your subscribed devices

Here you configure the action fields. The title is used as the primary variable and Message as the secondary variable. In this case we use the following;

NOTE: *this is case sensitive so please type this in exactly the same as how you will in composer*

16. Title

Dim bedroom lights

17. Message

{{NumberField}}

18. Device

Control4_IFTTT

19. Select **Create Action**

Create action

20. It will now ask you to review your applet. Once you have confirmed it is right then select the **Finish**

Finish

Congratulations you have setup the IFTTT portion. Now you need to setup the composer portion of the code

Send a Pushover notification

This Action will generate a Pushover notification to your subscribed devices

Title

dim bedroom lights

Add ingredient

Message

NumberField

Add ingredient

Message Priority

Normal



Message Sound

Pushover (default)



Sound to play, overriding your device's default

URL

URL to display with message

Add ingredient

Device

Control4_IFTTT

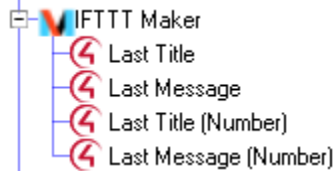


Send to a specific device on your account, instead of all

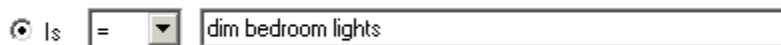
Create action

Composer Portion

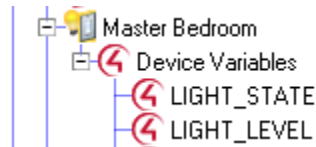
1. Click on the **Programming** Tab
2. Under Device Events select the **IFTTT Maker** Driver
3. Click the radio button next to **IFTTT Action Detected**
4. On the Device Actions side click on the + symbol next to the **IFTTT Maker** Device action to expand it



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



8. Drag the **question mark** over to your script
9. In the Device Actions side expand your light



10. Select the **LIGHT_LEVEL** device variable
11. Click the radio button next to 'Set to value of'
12. Select IFTTT Maker->Last Message (Number)



13. Drag the 'Arrow' over to your script and place it inside the first conditional

? If Development->IFTTT Maker->Last Title EQUAL TO dim bedroom lights

➡ Set Master Bedroom->Master Bedroom->PRESET_LEVEL to the value of IFTTT Maker->Last Message (Number)

Congratulations you have successfully setup the Microsoft Cortana to dim lights with IFTTT and Control4. Test it out by saying 'Hey Cortana' + the phrase we defined (in this case 'dim bedroom lights to xxx percent' where xxx is a number between 0 and 100).