## Control4<sup>®</sup> Smart Home Automations Guide

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**Note:** The information in this guide applies to the latest Control4 system capabilities. Features can vary between customized installations and Control4 software releases, so contact your dealer with any questions about available features.

## Planning automations



## Planning ahead

In the world of Control4 custom automations, also known as "When >> Then," every action can result in a host of reactions. You can decide which event ("When") results in which action ("Then").

Before creating your own automations, it helps to plan ahead. A good place to start is to ask yourself these two questions:

- 1 What event should happen that starts the automation? (the "When")
- 2 What is the end result you want with the automation? (the "Then")

Another approach is to write down every "I wish..." thought you encounter regarding your smart home, over the course of several days. With this comprehensive "wish list," you can more deliberately plan how each automation should be launched and which results can be combined.

## Tips for planning your automations

- Don't worry about making mistakes—it's as easy to change (or delete) an automation as it is to create one. And, your Control4 Dealer can also help answer your questions or create automations for you.
- Test the automation right after you create it to make sure it acts the way you expect it to.
- If you want multiple keypads to launch the same automations, it's much easier to remember button assignments if the automations are assigned consistently to each keypad.
- You will be able to see dealer-authored automations in your list, but they will be disabled for editing unless the dealer unlocks them. To change or delete those automations, contact your Control4 Dealer.
- Requesting automation changes to buttons with engraved labels may necessitate changing the label text (for the label to match the new action). Keep in mind that replacing engraved buttons will involve additional cost.

This is what a "When >> Then" automation looks like. The action is on the left, the result on the right. You'll first select the "When" (sunrise, in this example), then you can specify "Thens" (turning off the outside lights).





# Getting started

To create your own home automation, you'll first need to log in to your online Control4 account.

**Important:** You must have a current 4Sight subscription to create your own automations. To subscribe or check on your subscription status, log in to customer.control4.com, then click **4Sight** in the **Resources** tile. You can also ask your Control4 Dealer to help you sign up or renew.

#### To log in and watch an introductory video:

1 Log in to your account at customer.control4.com.



**Tip:** If you don't have your login information, contact your Control4 Dealer. Or, you can go to the login page, enter your email address, then click **Forgot Password**. An email will be sent to you with password reset instructions.

2 In the Automation tile, click When >> Then.



#### The When >> Then home screen opens. When >> Then When >> Then When >> Then When >> Then When Power and and When the screen opens W

**3** For an quick introduction, click **Show me how it works**. Scroll through the information, or click **Watch the video**. When you're ready to try it on your own, click **Try it now**.

-OR-

If you want to get started right away, click Let me in, I'm ready.



## Selecting a "When"



A "When" is an action or condition that triggers a different action (a "Then"). Control4 automations are made up of a "When" paired with one or more "Thens." Your system has several "Whens" to select from:

## Scheduled actions

Scheduled actions are tied to schedules that you've created. A schedule is more than just date and time—it can also include date ranges, recurring dates, and even sunrise/sunset times. You must create a schedule before you're able to select it as a "When." You can also edit schedules after the automation has been created.

## Buttons

Buttons can be used to start any automation. The buttons need to be a Control4 keypad, switch, dimmer, remote control, or door station, and most button presses can be configured as single, double, and triple-taps.

## Lights

Lights can start automations by reaching an on, off, or specific dimming level, whether they reach that state via remote control or manually. You can even make a lighting scene start an automation when it's activated or deactivated.

## Security and access

Security and door access can trigger an automation for house-wide monitoring and "welcome home" automations. You can know exactly when your children get home from school or when a package was left inside your door.

### Sensors

Sensor-launched automations can add to your home's security by notifying you when motion, vehicles, door or gate openings, or water is detected. Even your Door Station can trigger events when a keypad button is pressed or the camera starts or stops detecting motion.

## Room media

Room media, when tied to automations, can make your entertainment options come to life. Want to automatically dim the lights when a movie starts playing? You can do that and so much more.



## Creating a schedule event

A schedule event is a "When" that is based on times and dates, or with a recurring natural event such as sunrise and sunset.

#### To create a schedule:

1 In the *Automation* home screen, click **Schedule something to happen...**, then click **Create a New Schedule**.

Schedule something to happen at a fix	ed time or repeating interval >	
< Back Create or Select Schedule	Q Search Cancel	
Create a New Schedule		>
Sundown Starting on Friday, June 30th, 2017, At Sunset, repeats every 1 days	:	>
Lunch Time Starting on Friday. June 30th, 2017, At 12:00 pm , repeats every 1 days	:	>
Hall Light Starting on Wednesday, July 19th, 2017, At Sunset , repeats every 1 days	:	>
Blinds in Kitchen Starting on Thursday, July 20th, 2017, At 2:00 pm , repeats every 1 days	:	>
TEST Starting on Friday, July 28th, 2017, At Sunset, repeats every 1 days	:	>

#### The Create Schedule screen opens.

K Back Create Schedu	le	Cancel
Schedule Name	enter a name for this schedule	
Start Date	On mm/dd/yyyy      The 1st      Sunday      of January      2017	
Start Time	at     At Sunnise	
Occurs	Every        Every     1     Day(s)       Utetl     mm/dd/yyyy	
Starting on Invalid date, Every	r day at 1200 am	Next: Add Actions

2 Enter a descriptive name for the schedule, set the dates, times, and the recurrence schedule, then click **Next: Add Actions**.

K Back Create Schedu	le	Cancel
Schedule Name	Sunrise Dimming	
Start Date	On 01/01/2017     The 1st      Sunday      of January      2017	
Start Time	<ul> <li>o at 05:51 PM</li> <li>● At Sunrise ▼</li> </ul>	
Occurs	Every         1         Day(s)         •           until         08/23/2017         •         •	
Starting on Sunday, January	ist, 2017, Every day at sunrise	Next: Add Actions

The action assignment screen opens.

**3** Go to "Selecting a "Then"" on page 12.



### Creating a voice scene

If you have an Amazon Alexa device, install the latest Control4 skill to integrate it with your Control4 system. Not only can you voice-command lights, locks, and more without any custom automations, but also you can create a voice scene automation of your own. A voice scene is a "When" event that, like all the other available events, can result in a host of "Then" actions, all depending on how you put together the automation.

#### To create a voice scene:

1 In the *Automation* home screen, under *Voice Scenes*, click **Make something** happen when you speak.



The voic		lict		ha	blank	+ha	firct	time		0.000	
i ne voic	e scene	list	WIII	pe	plank	the	TIPST	time	you	open	. It

No voice scenes have been defined for your system yet. Try creating some by clicking the button above.

2 Click Create a New Voice Scene. The Create Voice Scene screen opens.

K Back Create Voice	Scene	Cancel
When I say:	Tum On 💌 Scene Name	
When I say "Turn On "		

**3** Click the drop-down list next to "When I say:" and select how the voice command will begin—**Turn On** or **Turn Off**—then type the voice scene title you want to activate the scene with. In this example, we create a scene called "Night Night."

< Back Create Voice Scene	Cancel
When I say: Turn On 🔻	
When I say 'Turn On Night Night'	Next: Add Actions

**Important:** The "Turn On" and "Turn Off" options refer to only what you want the voice command to start with, *not* to what the scene *does*. The identical "Then" actions are available whether you select "Turn On" or "Turn Off." Which you use to start the voice command is completely up to you.

4 Click Next: Add Actions, then go to "Selecting a "Then"" on page 12.



## Creating a keypad or remote button tap event

A keypad or remote button tap event is a "When" that is based on single-, double-, or triple-taps of keypads or presses of remote control custom buttons.

#### To create a button tap event for keypads or switches:

1 In the Automation home screen, click When a keypad button is pressed...

When a keypad button is pressed, released or tapped	>
A list of keypads or light switches opens.	
< Back Which keypad would you like to use to trigger this automation?	Cancel

K Back Which keypad would you like to use to trigger this automation?		Cancel
Floor Any Floor • Room Any Room •	Q Search	
Configurable Keypad Downstairs - Family Room		>
Family Keypad Downstairs - Family Room		>
Garage Keypad Downstairs - Garage		>

2 Click the keypad or switch you want to use. A list of available buttons opens. **Note:** The available buttons will depend on the keypad's custom button layout.

< Back Which button on the Family Room > Family Keypad would you like to trigger this programming?	Cancel
Button 1 Button	>
Button 3 Button	>
Button 5 Button	>

3 Click the button you want to use. A list of available tap patterns opens.

< Back Which interaction with the Family Keypad Button 1 button do you want to trigger this programming?	Cancel
	>
Q Double Tapped	>
R Triple Tapped	>

- 4 Click the tap pattern to use. The action assignment screen opens.
- **5** Go to "Selecting a "Then"" on page 12.

#### To create a button press event for a system remote:

1 In the *Automation* home screen, click When a system remote custom button is pressed...



2 A list of rooms opens. (Remember that a "room" can also be "outside" or "garage.")

< Back Select a Room	Cancel
- System remotes are capable of controlling one room at a time. When a custom button is pressed on a system remote it affects only the room that the remote is currently controlling.	system
Select the room that should be affected when a custom button on a system remote is pressed.	
Family Room Downstairs	>
Constants	>
Master Bedroom Downstairs	>
Garage Downstairs	>
Hall Downstairs	>
Outside Downstairs	>

**3** Click the room in which to set the button's behavior. A list of the three available buttons opens.

< Bac	ck Select a Custom Button	Cancel
This a	automation will be triggered when the following custom button is pressed on any system remote that is currently controlling the Downstairs - Far	nily Room.
Î	Custom 1	>
Î	Custom 2	>
Î	Custom 3	>

- 4 Click the button to use for the action. The action assignment screen opens.
- **5** Go to "Selecting a "Then"" on page 12.



## Creating a light switch tap event

A light switch tap event is a "When" that is based on single-, double-, or tripletaps of light switch and dimmer buttons.

#### To create a light switch tap event for light switches and dimmers:

1 In the *Automation* home screen, click **When a light switch button is** tapped.

Q	When a light switch button is tapped	>

A list of light switches and dimmers opens.

< Back Which light would you like to trigger this automation?		Cancel
Floor Any Floor • Room Any Room •	Q Search	
Cabinet Lights Downetars - Kitchen		>
Celling Light Downstairs - Hall		>
Ceiling Lights Downstalls - Masker Bedroom		>
Ceiling Lights Downstairs - Femily Room		>
Pront Porch Lights Downstairs - Outside		>
Carage Lights Downstails - Garage		>
Carden Path Lights Downstairs - Outside		>
Downetairs / Kitchen		>
Covenstairs - Family Room		>
Peoding Lights Downstairs - Master Bedroom		>

2 Click the light switch or dimmer you want to use. A list of available buttons opens. **Note:** if your switch has more buttons than the single on/off switch, it's considered a "keypad," and you should create a button press event instead (see previous page).

< Back Which button or	n the Hall > Ceiling Light would you like to trigger this programming?	Cancel
Q Top Button		>
Bottom Button		>

**3** Click the button you want to use. A list of available tap patterns opens.



- 4 Click the tap pattern to use. The action assignment screen opens.
- **5** Go to "Selecting a "Then"" on page 12.



## Creating a lights event

This event detects lighting status, regardless of how the light got to that level either through keypad control, manual load control, or an automation. For example, you can automatically play music in a room when the light is turned on, or lock the front door whenever the porch light is turned off.

#### To create a lights on/off event:

1 In the Automation home screen, click When a Light is turned on or off.



Q	Celling Light Downstairs. Hall
	Front Porch Lights Downstars - Outside
Q	Garden Path Lights Downstairs : Dutside
Q	Island Lights Downstars + Kitchen
Q	Cabinet Lights Downstairs / Richen
	Celling Lights Downstars - Master Bedroom
Q	Reading Lights Downstairs / Master Bodroom
Q	Ceiling Lights Downstairs - Family Room
Q	Lamps Downstrains - Family Room
	Garage Lights Downstates - Garage

**2** Click the light you want to use. A list of available lighting states opens (on or off only).



**Tip:** Any amount of "on" will launch an "on" event. For example, a dimmer at 5% will launch a "lights-on" event as surely as it would at 100%.

- **3** Click the lighting state to use. The action assignment screen opens.
- 4 Go to "Selecting a "Then"" on page 12.

## Creating a lighting scene event

This event detects when a lighting scene is activated or deactivated.

#### To create a lighting scene event:

1 In the *Automation* home screen, click When a lighting scene is activated or deactivated.



#### A list of lighting scenes opens.

< Back Select a Lighting Scene	Room Any Room V Q Search
Sedtime	>
K Movie night	>
Party	>
Party (Toggle)	>
Cooking	>
Cooking (Toggle)	>
Movie night (Toggle)	>

**2** Click the lighting scene you want to monitor. A list of available lighting scene states opens (active or inactive only).

< Back Select an event for the Movie night (Toggle) lighting scene	Cancel
When lighting scene Movie night (Toggle) becomes active	>
When lighting scene Movie night (Toggle) becomes inactive	>

- **3** Select the scene state you want to detect.
- 4 Go to "Selecting a "Then"" on page 12.



## Creating a security and access event

Whether you want to monitor the comings and goings of your kids, the arrivals of guests or deliveries, or gate access, automation events can help you keep tabs on it all.

#### To create a security and access event:

1 In the *Automation* home screen, click an event such as **When a garage** door opens or closes or **When a door station camera starts or stops** detecting motion. (Available events depend on which hardware is installed.)



2 A list of blinds, garage doors, or gates opens, including the available open/close states.

c Back Select an Event from Garage ) Garage Door	Cancel
When the Garage > Garage Door is opened	>
When the Garage J Garage Door is closed	>

- **3** Click the open/close state to use. The action assignment screen opens.
- 4 Go to "Selecting a "Then"" on page 12.

## Creating a sensor event

Smart sensors throughout your home and yard can tell you when a vehicle is on the driveway, when motion is detected, when a water leak or excessive heat or humidity is detected, and much more..

#### To create a sensor event:

- 5 In the Automation home screen, click an event such as When a water sensor indicates the presence of water or When a motion sensor detects motion or lack thereof. (Available events depend on which hardware is installed.)
  - When a Driveway sensor indicates a car has come or gone
     >

     ())
     When a motion sensor detects motion or lack thereof
     >

     ())
     When a water sensor indicates the presence of water
     >
- **6** A list of sensors, including driveway, heat, humidity, motion, water, and any other available sensors, opens, along with the available sensor states.

Back Select an Event from Garage - Motion Sensor	Cancel
()) When the Garage -> Motion Sensor senses motion	>
🕅 When the Garage - Motion Sensor stops sensing motion	>

- **7** Click the sensor state you want to use. The action assignment screen opens.
- 8 Go to "Selecting a "Then"" on page 12.



## Creating a room media event

You can use the condition of media playback in any room to start an automation. Whenever a movie is started or stopped, whenever a streaming music station is changed, and whenever a video or audio source has changed, you can change lighting, security, temperature—anything that's connected to your smart home.

#### To create a room media event:

1 In the Automation home screen, click an event such as When the Play Audio/Video command is received by a room or When the video selection playing in a room has changed. (Available events depend on which hardware is installed.)

🞵 When the audio selection playing in a room has changed	>
When the Turn Off Audio/Video command is received by a roo	om >
(I) When the Pause Audio/Video command is received by a room	1 >
When the Play Audio/Video command is received by a room	>
When the video selection playing in a room has changed	>

2 A list of the rooms in your house opens.

< Back Select a Room	Cancel
Family Room Downstains	>
Kitchen Downstains	>
Master Bedroom Downstars	>
Garage Downstains	>
Hall Downstains	>
Utside Downstars	>

- **3** Click the room you want to use. The action assignment screen opens.
- **4** Go to "Selecting a "Then"" on page 12.



## Selecting a "Then"



A "Then" is an action or actions that result from a "When" event. Although all "Then" actions are displayed, only actions supported by the Control4 software (such as **Send an email**) or installed hardware will work. You can select from several actions, such as:

- Send a push notification
- Send an email
- Turn on, off, or change the level of a light
- Activate or deactivate a lighting scene
- Change the color of LEDs on a switch, dimmer, or keypad
- Open or close blinds or shades
- Lock a door
- Turn off all audio and video playing in a room
- Play a movie from your collection
- Play a specific TV station
- Play an album from your collection
- Play one of your playlists
- Find a system remote
- Change a thermostat setting

**Note:** If you want to control a device that hasn't been integrated into your Control4 system, ask your Control4 Dealer for help.

#### To set a "Then" action:

1 After you have set the "When" event, you are brought to the action assignment screen.

When this happens	Then do this	
When Family Room - Ceiling Lights Bottom is Double Tapped	Play Pandora station: Norah Jones Radio in room(s): Downstairs->Family Room	
K Back Select one of the following actions to be added when this	event takes place Car	cel
C Send a Push Notification		>
🖾 Send an Email		>
😡 Turn On, Off or Change the Level of One or More Lights		>
★ Turn on, off or toggle a Fan		>
Open or Close Blinds or Shades		>
A Lock or Unlock a Door		>
Turn off all audio and video playing in a room		>
Play a specific TV station		>
Play a specific AM, FM, or digital station		>
🔋 Find a System Remote		>
Change a Thermostat Setting		>

2 The first time you set an action for a particular event, the summary bar (near the top of the screen) should read "No actions currently assigned."



**3** If the summary bar is grayed out with a lock icon, then the automation has been programmed and locked by your Control4 Dealer, and only they can change it, unless they unlock it.



- **4** Select an action. The configuration screen for that action type opens.
- **5** Follow the on-screen prompts to complete the automation.



## Editing automations

After you've assigned an action to an event, you can either use the new automation as-is, or add/delete or enable/disable multiple actions. You can even fully edit the details of a schedule event. With the addition of enough tasks to an event, pressing one button can "wake up" your entire house (or put it to bed).

#### To edit an existing automation:

1 In the Automation home screen, click View/Edit.



#### The When >> Then Automations edit screen opens.

When >> Then Automations View: All Automations	Sort by: Description  Q Search	
When this happens	Then do this $\checkmark$	
When Family Room - Ceiling Lights Bottom is Double Tapped	Play Pandora station: Norah Jones Radio in room(s): Downstairs->Family Room	
When Family Room > Family Keypad Button 1 button is double tapped	Set Level on the Family Room > Ceiling Lights to 100	
When Family Room - Family Keypad Button 1 button is single tapped	Q Deactivate Lighting Scene "Downstairs Lights" (+1 more)	
When Family Room > Family Keypad Button 3 button is single tapped	Turn Off all Audio/Video in room Downstairs - Family Room	
When Garage - Garage Keypad Button 1 button is released	Open Kitchen - Blinds Blinds	

**Tip:** If an automation already has multiple actions, the "Then" half of the display will show how many more are active.



**2** Click the automation you want to add an action to. The automation details screen opens.

When this happens	Then do this	~
When Family Room - Family Keypad Button 1 button is double tapped	Q Set Level on the Family Room → Ceiling Lights to 100	8
	Add Actions Test Done	

**3** To add an action, click **Add actions** and change the event settings as previously shown.

When this happens	Then do this	~
When Family Room - Family Keypad Button 1 button is double tapped	Set Level on the Family Room - Ceiling Lights to	8
	Add Actions Test Done	

**4** To toggle an action off (or on), click the toggle button next to the action.

When this happens	Then do this	^
When Family Room - Family Keypad Button 1 button is single tapped	Scene "Downstairs Lights"	8
	Turn off Downstairs > Family Room	8
	Add Astronom Text Door	
	Add Actions Test Done	

5 To delete an action, click the delete button next to the action.

Whe	n this happens	Then do this	~
When Family Room - Family Keypad Button 1 button is single tapped	Deactivate Lighting Scene "Downstairs Lights"		
	Turn off Downstairs > Family Room		
		Actions Test	Jone

6 To edit a schedule, click the schedule you want to change, then click Edit Schedule, make the necessary changes, and click Save.

When this happens	Then do this	collapse all $\wedge$
When scheduled event "Evening" executes Starting on Saturday, August 11th, 2018, 15 before Sunset and repeating every day	Send Push Notification with subject "C4 LR & KIT lights on", category "Lighting" and severity "Informational"	
Delete Schedule Edit Schedule	Add Actions Test	Done

7 To delete the whole automation, delete each of the actions, then click **Done**.



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