

CONNECTS

WITH

CONTROL4

AUTOMATION GUIDE

Control4®





TAKE YOUR PROGRAMMING TO THE NEXT LEVEL

Life's better when everything works together—especially when it comes to home automation. This guide is a collection of some of the unique and inspiring smart home experiences that Control4 professionals around the globe have implemented in their projects, and how you can do the same for your clients. Join us in our continuous quest to program brilliant, personalized smart home experiences in every Control4 home.

TABLE OF CONTENTS

- 02 Security
- 04 Entertainment
- 06 Comfort
- 08 Lighting
- 10 Voice
- 12 Appliances

AUTOMATION INSPIRATION

SECURITY



Have blinds automatically close when no one is home and open when someone arrives home

1. Programming:

- When security system is armed to away
 - ➔ Lower the blinds
- OR When door lock is locked from outside
 - ➔ Lower the blinds
- When the security system is disarmed
 - ➔ Raise the blinds
- OR When door lock is unlocked from outside
 - ➔ Raise the blinds
- OR When the garage door opens
 - ➔ Raise the blinds



Receive a notification as soon as each child enters their unique code to unlock the front door

1. Programming:

- When door lock has been unlocked by keypad
 - ? If lock user equals Child code
 - ➔ Send Push Notification (Agent)



Receive alerts when a door or window is opened

1. Programming:

- When door/window opens
 - ➔ Send Push Notification (Agent)



Set a scene so all lights in the house turn on when the alarm is triggered

1. Create scene in Advanced Lighting (Agent) that includes every light

2. Programming:

- When security system enters alarm state
 - ➔ Activate Advanced Lighting All On



Send push notification if any water leaks, there is unwanted motion, or if extreme temperatures are detected in the home

1. Programming:

- When water leak sensor senses a leak
 - ? If security system is armed to away
 - ➔ Send Push Notification
- When motion sensor senses motion
 - ? If security system is armed to away
 - ➔ Send Push Notification
- When thermostat temperature > 90°F
 - ? If security system is armed to away
 - ➔ Send Push Notification
- When thermostat temperature < 60°F
 - ? If security system is armed to away
 - ➔ Send Push Notification



Trigger audio alert if there is any motion detected around pool area or if the pool cover is opened

1. Create Variable (Pool Not In Use)

2. Programming:

- When Pool keypad button is pressed
 - ➔ Toggle Pool Not In Use variable
- When Pool Not In Use variable is TRUE
 - ➔ Set keypad > Pool Not In Use button's Current LED color to Red
- When Pool Not In Use variable is FALSE
 - ➔ Set keypad > Pool Not In Use button's Current LED color to Blue
- When pool motion sensor senses motion
 - ? If Pool Not In Use is TRUE
 - ➔ Send Push Notification
- When pool cover opens
 - ? If Pool Not In Use is TRUE
 - ➔ Send Push Notification

AUTOMATION INSPIRATION

ENTERTAINMENT



Stream video from the front door camera to the TV when someone rings the doorbell

1. Add the Navigation (Agent)
2. Add Snapshot driver to the room that includes only that room's entertainment
3. Programming:
 - When doorbell is pressed
 - ➔ Execute capture Snapshot (to capture room's currently selected device)
 - ➔ Delay 1 second
 - ➔ Execute Navigation Agent for front door camera to the TV
 - ➔ Delay 30 seconds
 - ➔ Execute Recall Snapshot (to reselect the room's device)



Set a scene so when the TV turns on, other audio in the house turns off, the lights dim, and shades lower in the room

1. Create scene in Advanced Lighting (Agent) for movie mode in the Living Room
2. Add a Blinds Group driver that includes all blinds in the Living Room
3. Programming:
 - When the Living Room TV powers on
 - ➔ Turn off Kitchen
 - ➔ Turn off (all other rooms with a zone of audio)
 - ➔ Execute movie lighting scene
 - ➔ Lower Blinds group Living Room Blinds



Set a TV to turn on at a certain time of day or when a particular show comes on

1. Create event in Scheduler (Agent) for that time that repeats daily/weekly
2. Programming:
 - Add customer's favorite TV channels on the Media page (Smart Skill)
 - When the Scheduled Event (TV Show) executes
 - ➔ Select the desired channel (by selecting the room, and going to Select Media > Broadcast Video)



Control a favorite gaming console with a Control4 remote

1. Add XBOX driver and make IR connection to the Controller



Turn on all TVs in the home to a specific station at once, and then turn them all off with the push of a button

1. Add a Room Control driver to the Equipment Closet
 - ➔ Select every room in the driver's Properties
 - ➔ Set that TV channel/radio station as a preset in the driver (add additional if desired)
2. On the Connections page, select the desired keypad on the left
 - ➔ Connect the Channel/Station button on the keypad to Preset Source 1 in Room Control
 - ➔ Connect the Media Off button on the keypad to the Room Off command in Room Control



Turn on TV automatically to selected news station at a particular time every weekday morning—excluding holidays

1. Create event in Scheduler (Agent) for the morning hour that repeats weekly Monday through Friday
2. Programming:
 - When the Scheduled Event (Morning Show) executes
 - ? If date IS NOT New Years
 - ? If date IS NOT Presidents Day
 - ? If date IS NOT etc.
 - ➔ Select channel by going to the room
 - ➔ Select Media
 - ➔ Broadcast Video



Get quick, easy, and secure access to favorite shows. Shows can be favorited to the room view

1. Add favorite TV channels on the Media page
2. Press and Hold that channel on touch screen or Control4 app to favorite to the room view



Program Samsung TV to display digital artwork instead of it just turning off into a blank square on the wall, and even programmed it to display themed artwork on holidays

1. Programming:
 - When the Room Off command is received
 - ➔ Execute Samsung Frame driver Device Specific Command: Art Mode

AUTOMATION INSPIRATION

COMFORT



Have the shades automatically go up or down depending on the time of day

1. Create event in Scheduler (Agent) for Blinds Lowered that repeats daily
2. Create event in Scheduler (Agent) for sunrise that repeats daily
3. Add a blinds group driver and configure it with the desired blinds
4. Programming:
 - When Scheduled Event (Blinds Lowered) executes
 - ➔ Lower Blinds Group
 - When Scheduled Event (Blinds Raised) executes
 - ➔ Raise Blinds Group



Automate connected devices to help regulate home temperature

1. Add Z2IO to use for temperature sensor in the desired room
2. Add Temperature Display driver to the room
3. Connect Z2IO's Temperature Internal to the Temperature Display driver
4. Programming:
 - When thermostat temperature between 72°F and 75°F
 - ➔ Lower the blinds in that room
 - When thermostat temperature > 75°F
 - ➔ Engage air conditioner



Have a keypad or touchscreen turn red if a door is left open

1. Add the Relay Door Controller driver
2. In the driver, set the LED color for open-door status
3. Relay Door Controller driver to the sensor monitoring the state of the door, like a wired sensor on a Z2IO, or a Zigbee sensor like the ones made by Nyce
4. Connect that keypad button to the Door Toggle on the Connections page



Connect the HVAC to turn on and off automatically depending on the outdoor temperature reported that day

1. Add the Weather Station driver
2. Configure USER_HEAT_ALERT and USER_COOL_ALERT values for the customer
3. Programming:
 - When USER_HEAT_ALERT executes
 - ➔ Turn on AC
 - ➔ Turn off furnace
 - When USER_COOL_ALERT executes
 - ➔ Turn off AC
 - ➔ Turn on furnace



Program the system to enter energy-saving mode when no one is home

1. Add a Room Control driver to the Equipment Closet and name House Control
2. Configure House Control driver to include every room in the house
3. Programming:
 - When security system is armed to away
 - ➔ Lower Blinds Group All
 - ➔ Activate All Off Advanced Lighting Scene
 - ➔ Set thermostat(s) to Away
 - ➔ Execute Room Off command from House Control driver
 - ➔ Close all motorized windows and doors

AUTOMATION INSPIRATION

LIGHTING



Program the door lock and Control4 system to turn on lights and music upon entry

1. Programming:

- When the door lock is unlocked with keypad (from the outside)
 - ? If it's nighttime
 - ➔ Execute Welcome Advanced Lighting scene
 - ? If time is not > 12:01AM
 - ➔ Play smooth Jazz playlist (select the room > Select Media > Broadcast Audio)
 - ? If it's daytime
 - ➔ Play alternative rock playlist (select the room > Select Media > Broadcast Audio)



Set lights to automatically turn on at dusk

1. Create event in Scheduler (Agent) for Sunset that repeats daily

2. Programming:

- When scheduled event Sunset executes
 - ➔ Turn on lights



Set specific lights to turn on automatically when the front door is unlocked

1. Create an Advanced Lighting Scene (Welcome) that turns on the desired lights

2. Programming:

- When door lock is unlocked with the keypad
 - ➔ Activate Welcome Advanced Lighting scene



Have a single light switch programmed for the entertainment room, so when it is pressed, the lights dim, shades lower, music turns off, and the TV turns on

1. Programming:

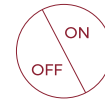
- When the Movie button on the keypad is pressed
 - ➔ Execute Room Off command (from Room Control driver or the Room)
 - ➔ Execute Movie Advanced Lighting scene
 - ➔ Lower blinds in that room
 - ➔ Select source by selecting the room > Video Device



Smart lighting set to automatically turn off the basement lights and closet lights if motion isn't detected for 10 minutes

1. Programming:

- Add Security Light driver to the basement
 - ➔ Configure driver to control basement light
 - ➔ Configure driver to 10 minute Illuminate Time
 - ➔ Configure Revert To to be Off
 - ➔ Configure the trigger to be basement motion sensor



Have an All On / All Off lighting setting to quickly control all the lights in the house

1. Create an Advanced Lighting Scene (All On) that includes every light

2. Create an Advanced Lighting Scene (All Off) that turns on the desired lights



Preset different lighting scenes for the kitchen, with one button making it bright for cooking and another button adjusting the lights for mood lighting and turning on soft music for entertaining

1. Create an Advanced Lighting Scene (Cooking) that includes the lights in the Kitchen

2. Create an Advanced Lighting Scene (Dining) that includes the lights in the Kitchen and Dining Room

3. Programming:

- When Cooking button is pressed on the keypad
 - ➔ Activate Cooking Advanced Lighting scene
- When Dining button is pressed on the keypad
 - ➔ Activate Dining Advanced Lighting scene
 - ➔ Select desired media by selecting the Dining Room > Select Media > Broadcast Audio

AUTOMATION INSPIRATION

VOICE



Adjust the home with voice commands such as “Alexa, turn on family room TV” or “Hey Google, dim the theater lights to 40%”

1. Add Voice Scenes driver for Alexa or Google Assistant driver for Google.
2. In Alexa or Google Home App log into the end-user’s Control4 account
3. Discover Devices



Connect the Control4 system to the front door to open it with a voice command for wheelchair-bound family members

1. Install Z2IO at the door and add the driver
2. Connect the Z2IO Relay to the motor
3. Connect the Z2IO Contact to the door sensor
4. Create Alexa command in Voice Scenes driver: Front Door
5. Programming:
 - When the Voice Scene Command Turn On Front Door is received:
 - ➔ Open the front door
 - When the Voice Scene Command Turn Off Front Door is received:
 - ➔ Close the front door
 - Using the Alexa app, go to Routines
 - ➔ Create a Routine named Open the Front Door
 - ➔ Configure that routine to execute Scene: Turn On Front Door
 - ➔ Create a Routine named Close the Front Door
 - ➔ Configure that routine to execute Scene: Turn Off Front Door



Use a voice command to turn off the oven when the timer is going off—no matter where someone is in the home

1. Add driver for supported oven
2. Create Alexa command in Voice Scenes driver: Oven
3. Programming:
 - When the Voice Scene Command Turn Off Oven is received:
 - ➔ Turn off the oven



Quickly put the house to sleep at night with a “Good Night” voice command

1. Create Alexa command in Voice Scenes driver: Good Night
2. Programming:
3. When the Voice Scene Command Turn On Good Night is received:
 - ➔ Lower Blinds Group All
 - ➔ Activate All Off Advanced Lighting Scene
 - ➔ Set thermostat(s) to Good Night
 - ➔ Execute Room Off command from House Control driver
 - ➔ Close all motorized windows and doors
 - ➔ Set security system Armed to Stay

AUTOMATION INSPIRATION

APPLIANCES



Receive a reminder through the speakers in the home to move the laundry

1. Create Push Notification (Agent) for Clothes in the Washing Machine
2. Create Announcement (Agent) for Clothes in the Washing Machine
3. Programming:
 - When the washing machine finishes a cycle
 - ➔ Start 10 minute timer: Clothes in the Washing Machine
 - When the washing machine door opens
 - ➔ Stop the Clothes in the Washing Machine timer
 - When the Clothes in the Washing Machine timer expires
 - ➔ Execute Clothes in the Washing Machine Announcement
 - ➔ Execute Clothes in the Washing Machine Push Notification
 - ➔ Start 10 minute timer: Clothes in the Washing Machine



Have the refrigerator send a push or voice notification when the door is left open

1. Create Push Notification (Agent) for Refrigerator Door Left Open
2. Create Announcement (Agent) for Refrigerator Door Left Open
3. Programming:
 - When the refrigerator door opens
 - ➔ Start 10 minute timer: Refrigerator Door Left Open
 - When the refrigerator door closes
 - ➔ Stop the Refrigerator Door Left Open timer
 - When the Refrigerator Door Left Open timer expires
 - ➔ Execute Refrigerator Door Left Open Announcement
 - ➔ Execute Refrigerator Door Left Open Push Notification
 - ➔ Start 10 minute timer: Refrigerator Door Left Open



Control and start the oven remotely, so that the meal is ready when the family arrives home

1. Add Scenario Experience Driver and name Oven On/Off
2. Programming:
 - When Oven On/Off button is selected
 - ➔ Toggle Oven Power
 - When Oven is powered on
 - ➔ Set Oven On/Off button to active
1. When Oven is powered off
 - ➔ Set Oven On/Off button to inactive



Get a push notification when the rinse-aid level is low in dishwasher

1. Add driver for supported dishwasher
2. Create Push Notification (Agent) for Rinse-Aid Low in Dishwasher
3. Programming:
 - When the dishwasher rinse-aid level is low
 - ➔ Send Rinse-Aid Low in Dishwasher Push Notification



Have fresh coffee brewed automatically at sunrise every morning

1. Create event in Scheduler (Agent) for sunrise that repeats daily
2. Add driver for supported coffee maker
3. Programming:
 - When the Scheduled Event (Sunrise) executes
 - ➔ Turn on coffee maker

Control4®

©Copyright 2020, Wirepath Home Systems, LLC. All rights reserved. Control4 and Snap AV and their respective logos are registered trademarks or trademarks of Wirepath Home Systems, LLC, dba "Control4" and/or dba "SnapAV" in the United States and/or other countries. Other names and brands may be claimed as the property of their respective owners. All specifications subject to change without notice. C4-LIT-8966 W550888966 A