ABRA App User Guide
Version 1.2

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INTERMATIC®

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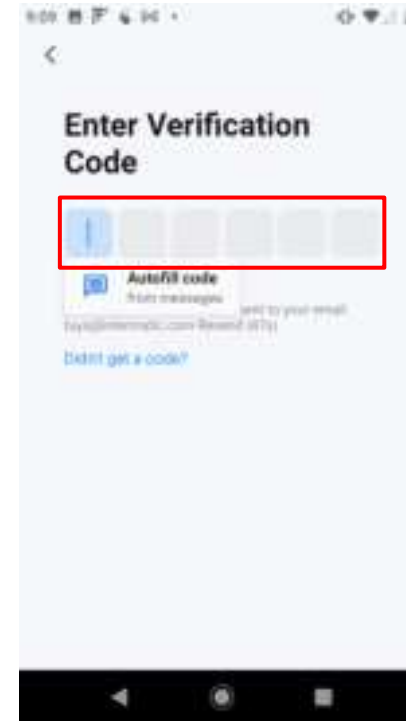
SECTION: GETTING STARTED

Getting Started
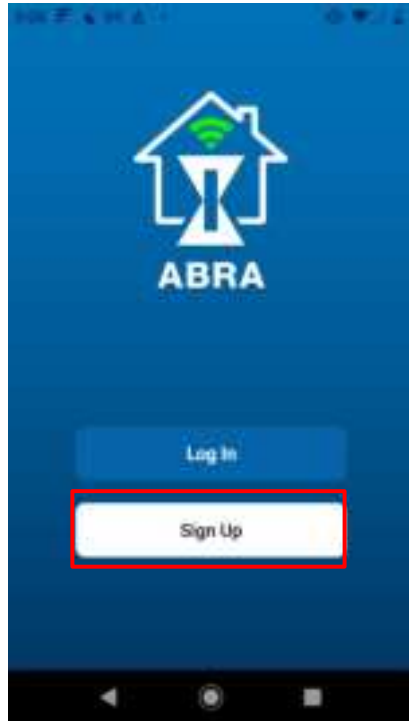
- Download the Intermatic ABRA app from the App Store or Google Play
- Open app to login screen
- Sign Up for a new account
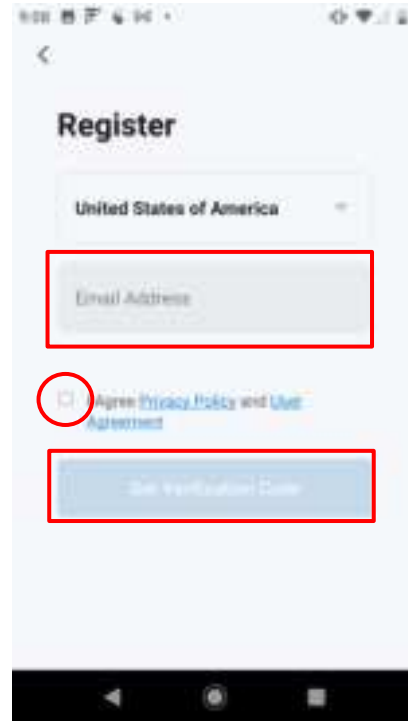
- Enter email address and agree to terms of use
- Tap "Get Verification Code" button to trigger an automated email containing 6-digit code
- Check email for verification code

- Enter verification code within the app
- The server will confirm the code is correct
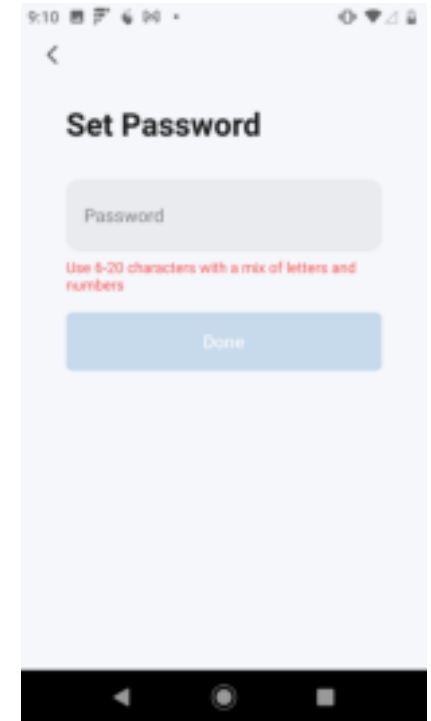
- Enter a password to complete the account setup/registration process

App Overview: Home Screen

Tap to "+" icon to add a new device, create a new device group, or build a new lighting scene

"Room Bar" scrolls left to right to quickly navigate to any Room or Space you've set up for your house
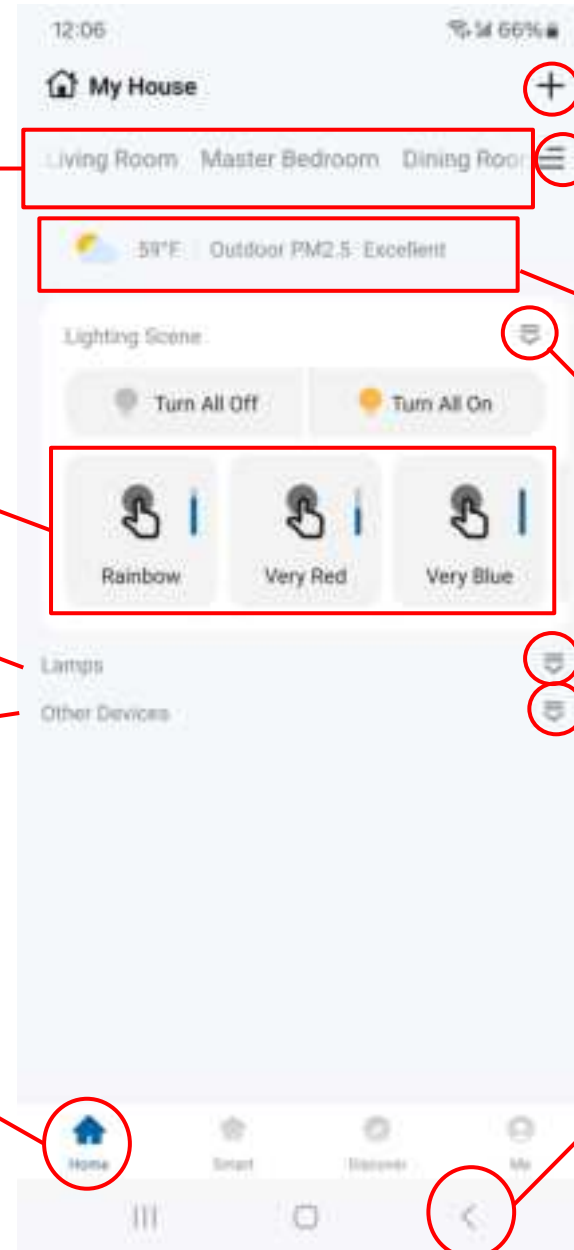
Note: Six sample rooms are included by default

Access the "Room Management" menu to create, organize, and edit Rooms

Indicates weather conditions and sunrise/sunset times (based on your home address)

Organize custom lighting scenes here

Expand/collapse windows with this tool to conserve screen space and navigate the interface more efficiently

Manage smart bulbs here

Keep track of other smart devices here, including the ABRA Surface Switch, ABRA Smart Plug/Gateway, and ABRA Motion and Brightness Sensors

Home
This is the main app section you'll use when operating your ABRA system
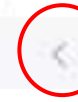
Back button

SECTION: MANAGING ROOMS

Defining and Managing Rooms

- Before adding an ABRA smart device, you must determine the Room or Space where it will go

- The app includes a default home name "My House" as well as six sample rooms (e.g., Dining Room, Master Bedroom)


- Scroll L to R to see the six sample room names

- The "selected" or "active" room will be highlighted in bold

- To select a different room, simply tap on its name in the scrolling list
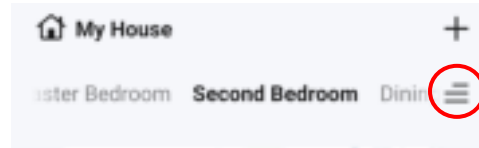
- To change to the Room List view, tap the Room Menu tool

- Use the Room List view to see all the Rooms and Spaces associated with your home

- Tap "Edit" to add, delete, and rename rooms, as well as to create Room Groups
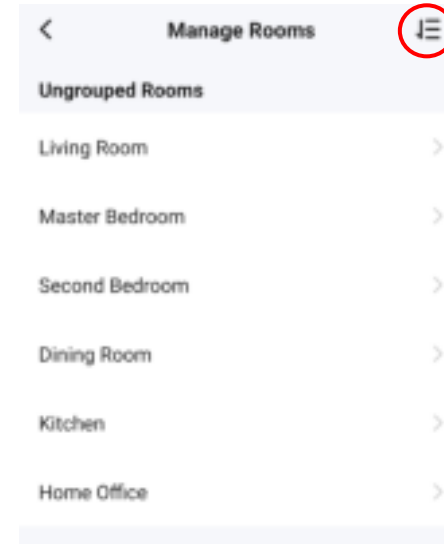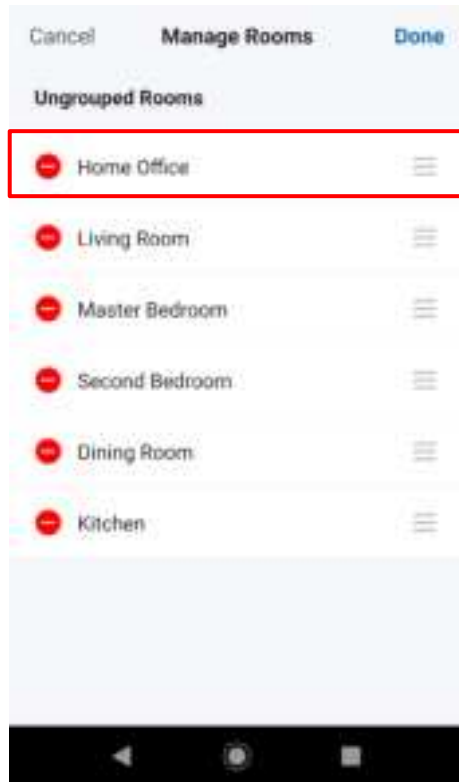

- Let's say that you'd like to move the "Home Office" room to the first position in the list…

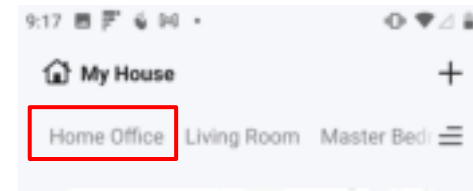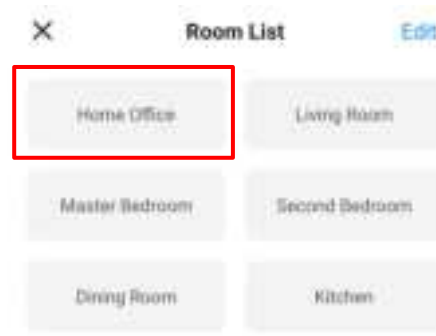- Change the list order by tapping the "Organize Room List" tool
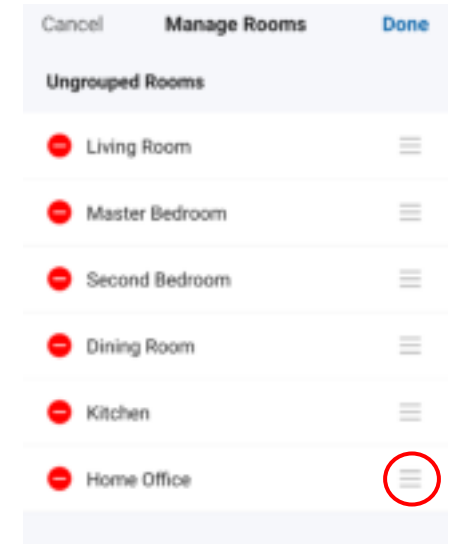
- Then, tap and hold the button next to "Home Office" and drag it up to the first position…
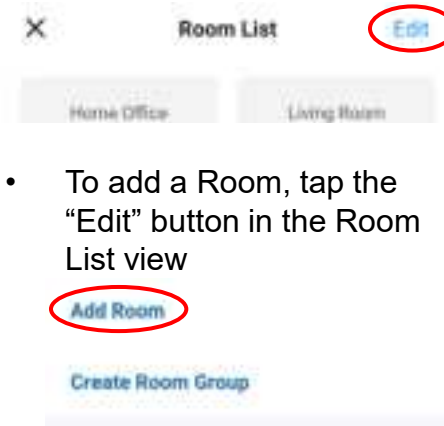
Defining and Managing Rooms
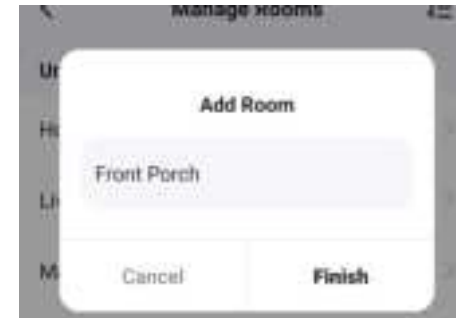

- "Home Office" is now at the top of the list

- "Home Office" will retain the first position in the list regardless of the selected view (e.g., Room List, scrolling Room bar)

- To add a Room, tap the "Edit" button in the Room List view
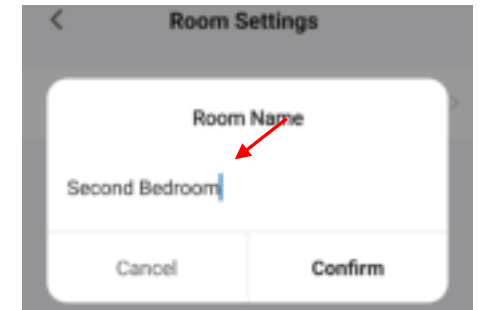
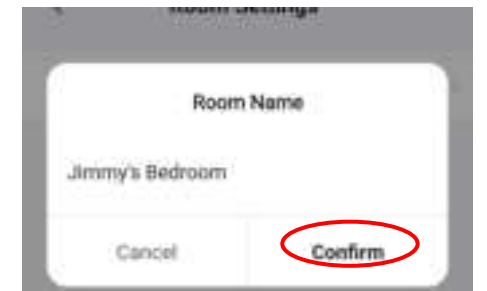- Scroll down to the end of the list and tap "Add Room"

- Enter the Room name (e.g., "Front Porch") and tap "Finish" to save the room
- The Room now appears in your Room List, enabling you to add devices to the Space

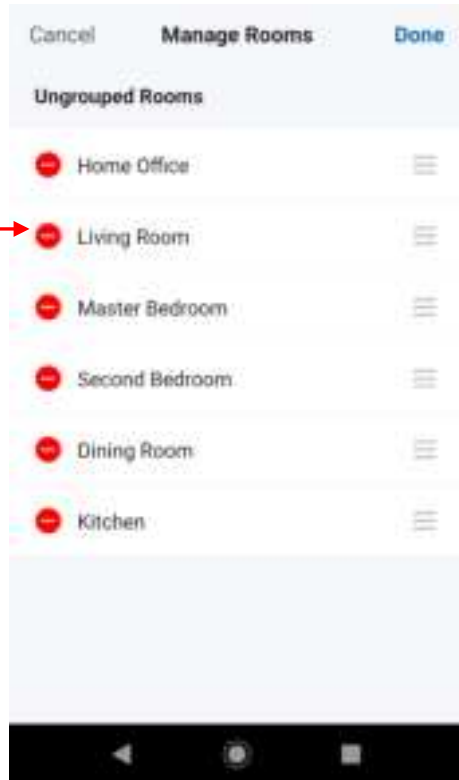- To change a Room name, tap the arrow (">") next to the Room in the Room List > Edit window
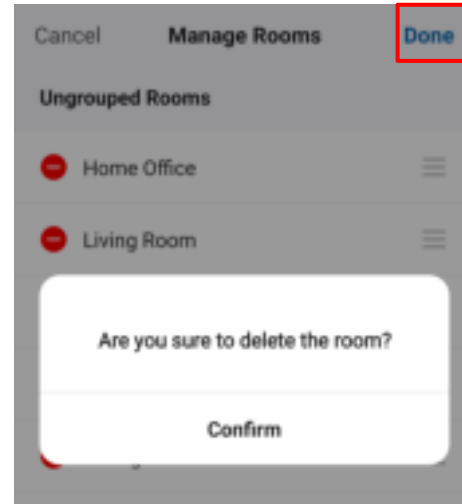
- Type the desired Room name

- Then tap "Confirm" to save the update

Defining and Managing Rooms

- In the "Organize Room List" view, tap the "Delete" ("-") button next to the Room you'd like to remove

- Tap "Confirm" to delete the Room, and it will be removed from the Room List

- If you change your mind and do not wish to delete the Room, tap anywhere outside the white dialog box

- Tap "Done" to navigate back to the previous screen
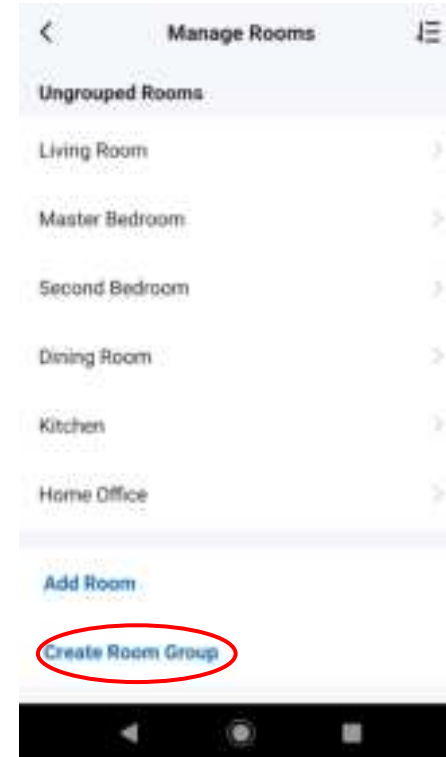
- Tap "Create Room Group" to organize your smart devices across multiple areas (e.g., exterior, first floor)

- Room Groups consist of other Rooms or Spaces
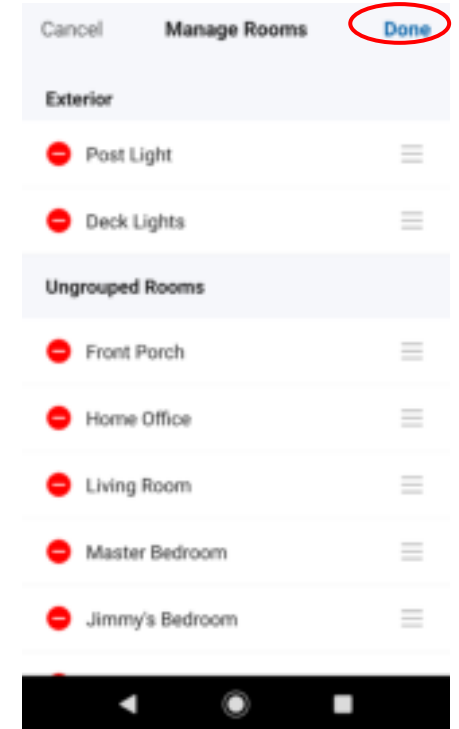
- In this example, use the "Grab Tool" in the "Organize Room List" view to drag the Post Light, Deck Lights, and "Front Porch" rooms into the "Exterior" Room/Space...

- Tap "Done" to save the Room Group

Note: "Room Groups" feature has limited functionality in current release

SECTION:
ADDING AND ORGANIZING SMART BULBS

Adding Devices: Smart Bulbs

- First: On your mobile device, confirm that Wi-Fi and Bluetooth are both ON, and that you're connected to your home's W-Fi network

- Screw in ABRA Smart Bulb

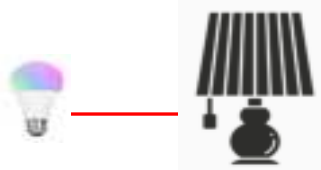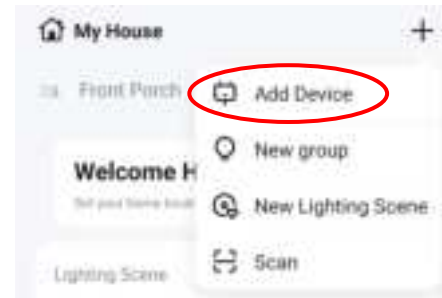- The bulb will flash to indicate that it is in "pairing" mode (Note: The bulb must be in pairing mode to be added to your ABRA account and Home system)

- If the bulb is not flashing, power the bulb ON and OFF repeatedly at two-second intervals to manually initiate the pairing mode

- With the bulb in pairing mode, tap the "+" icon at the top right of the ABRA app Home Screen

- Select "Add Device" from the menu

- The app will find the ABRA bulb and display it here
- Tap "Add" to add the bulb to your ABRA system

Note: If the bulb is not discovered automatically, it can usually be discovered manually ("Manually Adding a Device" section)

Note: If multiple devices are in pairing mode simultaneously, it is possible to discover them all in a single pass; However, it is recommended to discover devices one at a time to ensure each is properly named for future identification and modification purposes
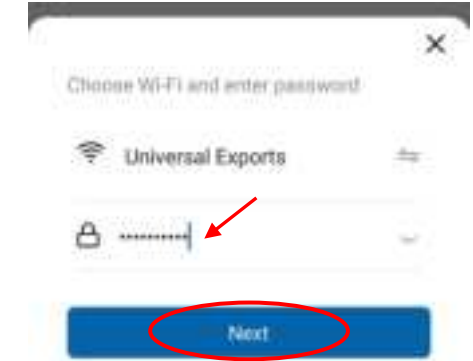
- To add the ABRA bulb to your Wi-Fi network, enter the network password when prompted, then tap "Next"
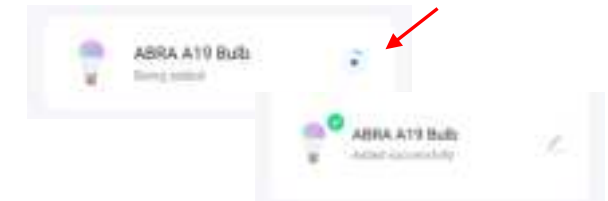
- It takes approximately 20-30 seconds to add each ABRA device (indicated by progress wheel)

Adding Devices: Smart Bulbs

- Tap the "Edit" tool to change the name of the device and its location
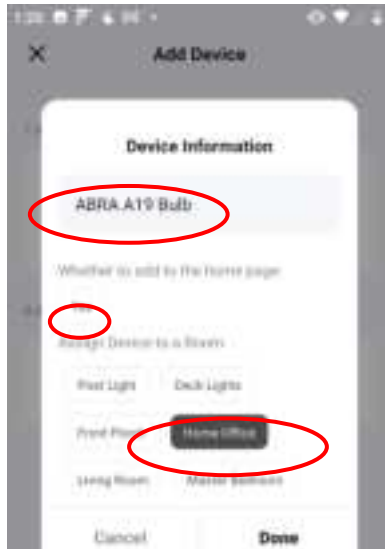
- Change the default name of the bulb in the dialog box, to differentiate it from other bulbs you may add in the future

- Select the Room or Space where the bulb will be located

- You can also choose to have the bulb added to the home page

- In this case, the name is changed to "Table Lamp 1A"
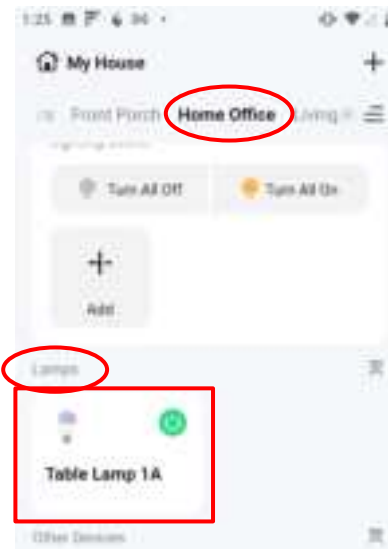
- The new bulb now name appears on the Home Screen, in the "Home Office" room within the lamps menu

- The lamp Control Panel opens by default

- This screen allows you to turn the bulb ON and OFF, change between Color and Tunable White modes, select color and intensity levels, and more

- All Control Panel functions will be reviewed in a later section of this guide

Adding Devices: Smart Bulbs

- Repeat the "Add Device" process with one more ABRA A19 bulb and two ABRA BR30 bulbs
- Name the 2 A19 bulbs: Table Lamp 1A and Table Lamp 1B

- Name the 2 BR30 bulbs: BR30-1 and BR30-2

- Confirm that all the bulbs are in the "Home Office" room
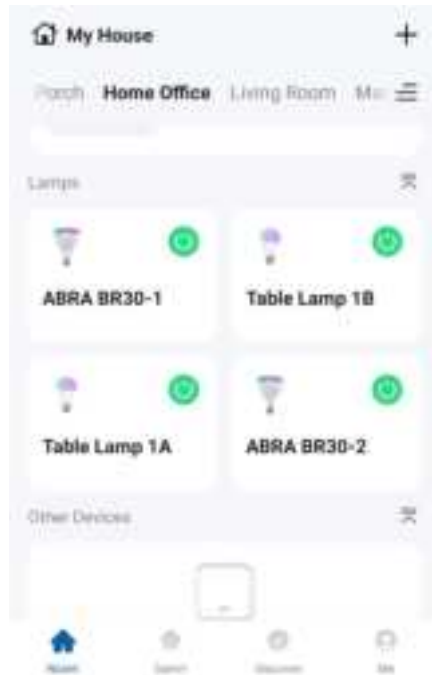
- We'll use these four ABRA bulbs to create custom Lighting Scenes in the next section..

Moving Bulb to Different Room

- If you accidentally add a device to the wrong room, it is very easy to fix

- Let's say you meant to assign "Table Lamp 1A" to the "Kitchen" Room, not "Home Office"
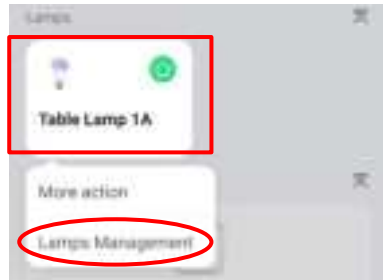
- Tap and hold inside the Lamp Window and select "Lamps Management" in the pop-up menu

Moving Bulb to Different Room

- Tap the "Update Room" button to select the correct room

- Tap the circle next to "Kitchen" to select it
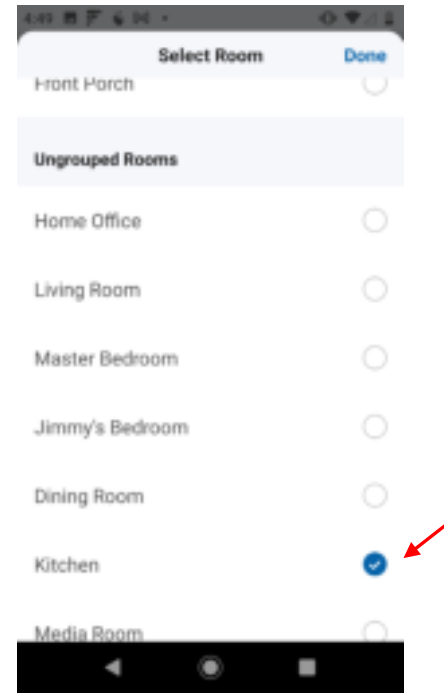
- The check mark will move to indicate "Kitchen" is selected
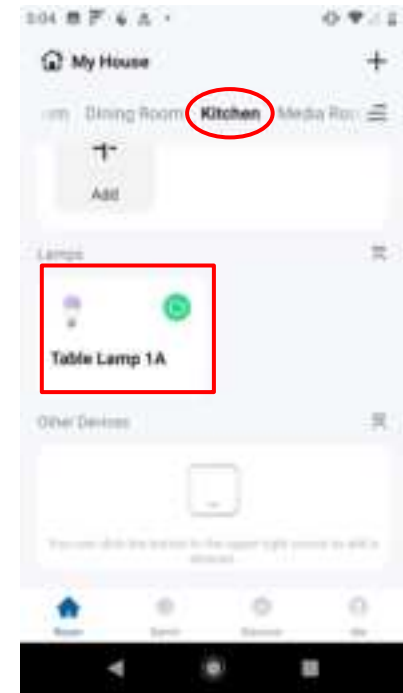
- Table Lamp 1A is now assigned to the "Kitchen" Room

Adding Devices Manually: Smart Bulbs

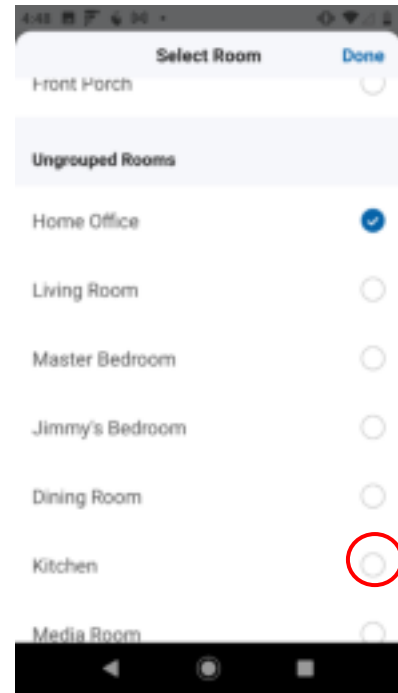- If an ABRA Smart Bulb is not automatically discovered and added to the system, it is possible to add it manually
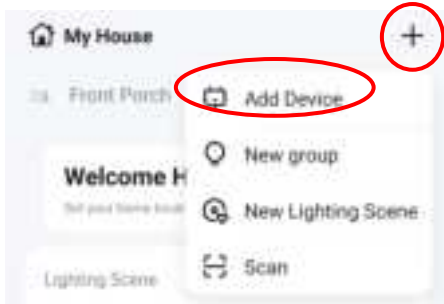
- Tap "+" and select "Add Device" from the menu

- Scroll down to the "Add Manually" area and select the ABRA device you'd like to add

- View the available ABRA Smart Bulbs and Smart Devices

- The screens above walk through the manual process of resetting the bulbs, putting the bulb in the pairing mode, and initiating the discovery process in the ABRA app

- Once the smart bulb is discovered and added, the name and location can be edited as previously described

Adding Devices Manually: Smart Bulbs

- Some ABRA-compatible devices may utilize a special QR code for manual discovery

- The code may be printed on the device itself or placed in the device's user manual

- Use the "Scan" tool at the top of the "Add Device" screen to scan the product's QR code with your mobile device's camera

- The "Scan" screen walks you through the scanning process

- This screen can also be used to manually enter a unique device code for the product (if applicable)

SECTION: CONTROLLING SMART BULBS

Controlling Smart Bulbs

- Using the previous 4-bulb "Home Office example, let's explore a few simple ways to control ABRA Smart Bulbs from the "Home" screen

Tap in window to open Lamp Control Panel

Tap and hold in window to open dropdown menu
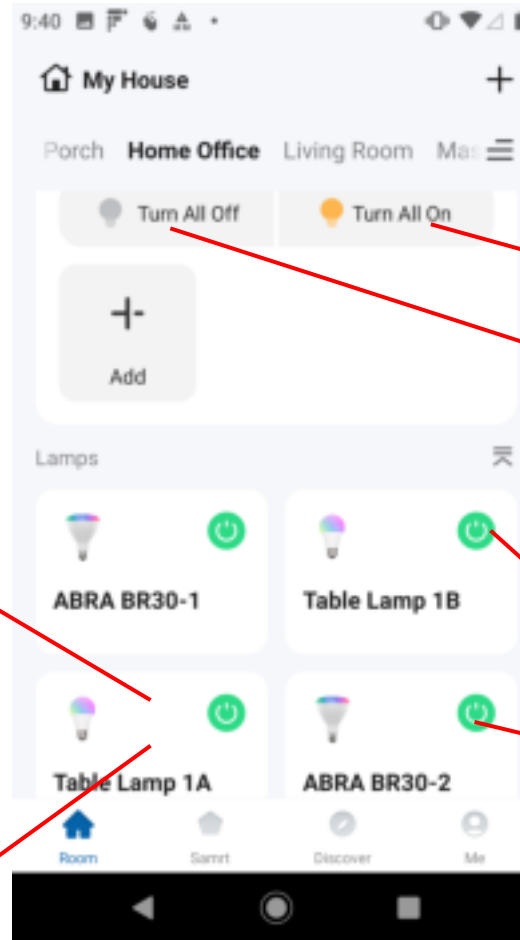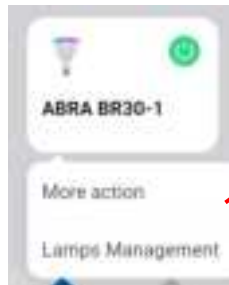
Tap to turn all bulbs in the room ON

Tap to turn all bulbs in the room ON

Tap power button to turn individual bulbs ON and OFF.

Controlling the Smart Bulbs: Lamp Control Panel

CCT/RGB readout

ON/OFF

Tunable White and RGBCW tabs

Add a preset value

Select a preset

Color picker

Lamp Control Panel menu
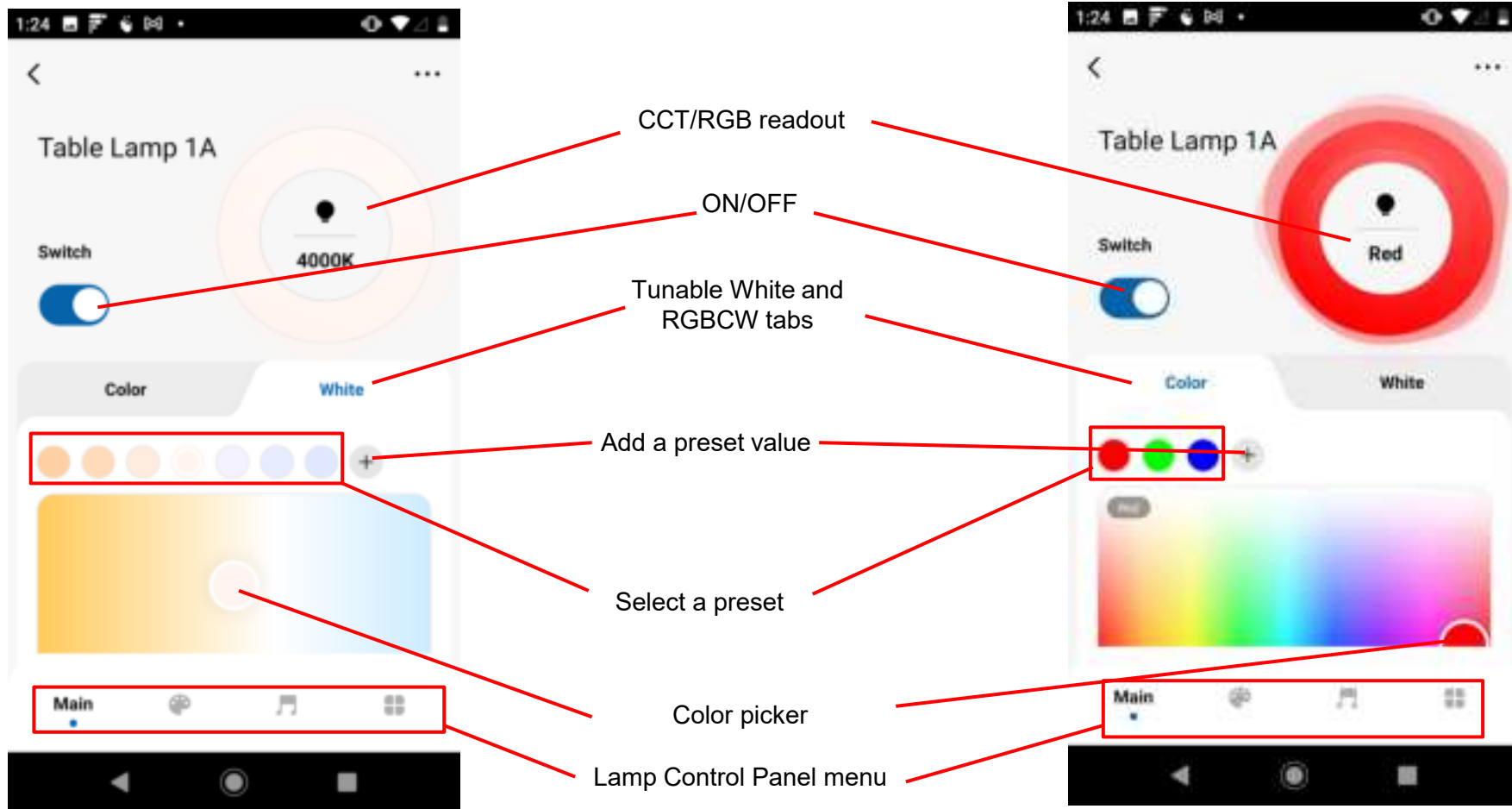
Smart Bulb Control Panel > Presets

Table Lamp 1A

Red

Switch

Color   White

Main
Presets

Tap on any Preset to preview

Presets

Good Night   Reading

Working   Leisure

Ocean   Sunflower

Presets

Presets

Grassland   Dazzling

Forest   Dream

French Style   American Style

Birthday   Wedding Anniversary

Presets

Presets

Christmas   Halloween

Jump   breathing

Step change   Rhythmic breathing

Presets

- Dynamic presets change colors and intensity over time
- These are factory-set and not editable by the user
- Over time, new dynamic presets will become available for download

Note: Presets can also be used in custom Lighting Scenes

Smart Bulb Control Panel > Music
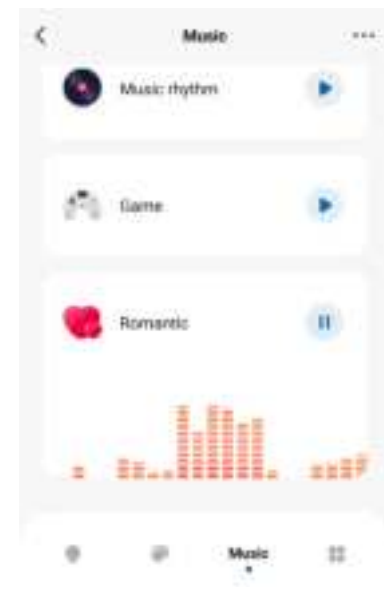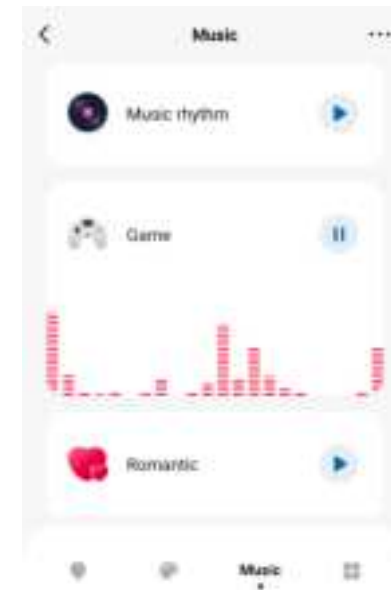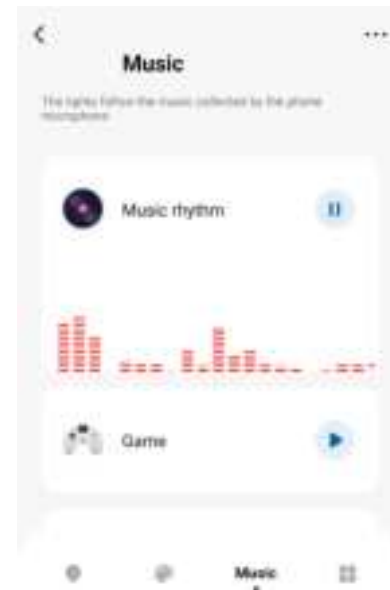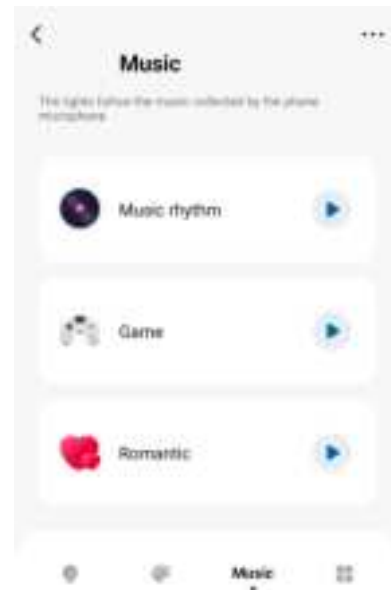
Music

- Uses microphone in mobile device to detect music in the room
- ABRA app interprets the sound waves/dynamic changes in the music and converts to lighting patterns
- Each option translates the music to light patterns in slightly different ways

Smart Bulb Control Panel > Settings > Schedule

Settings

The "Settings" menu has 3 sub-menus:

- Schedule
- Do not disturb
- Default light
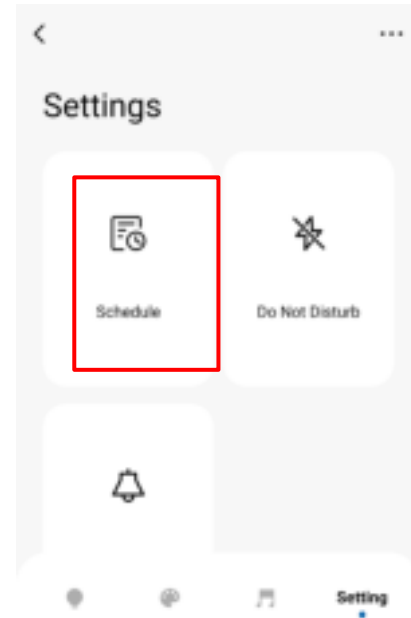
- Tap "Schedule"
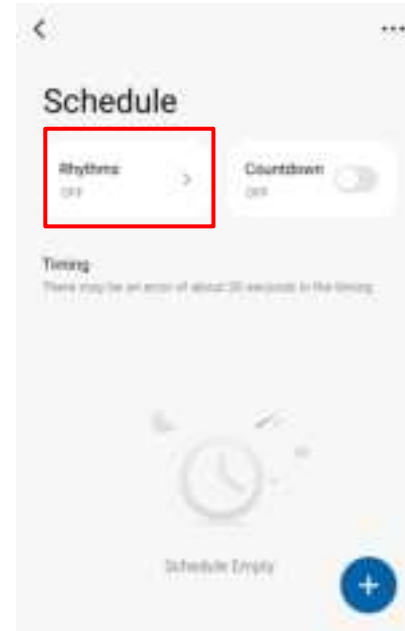
- Tap "Rhythms" to create a schedule that automatically adjusts the color temperature of the ABRA Smart Bulb based on the time of day

Default (fixed)

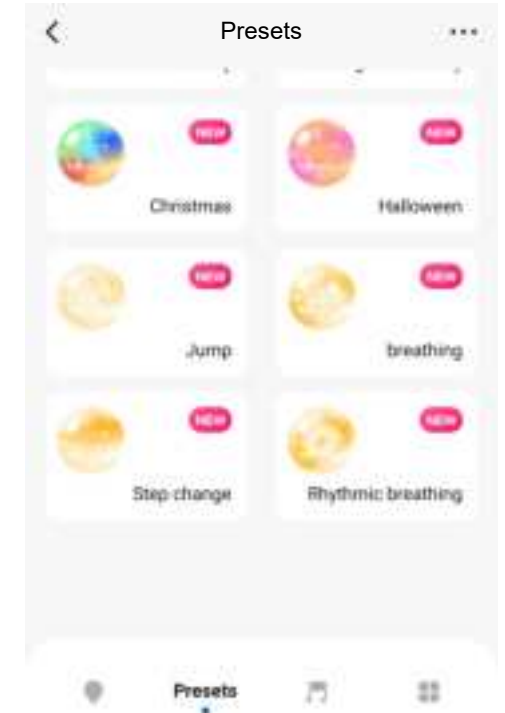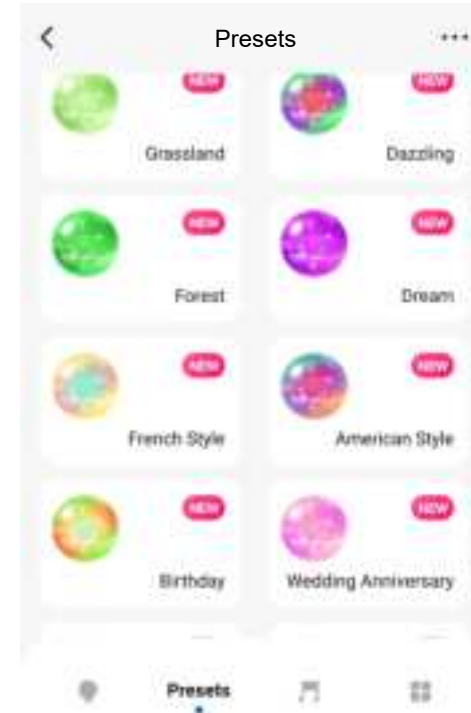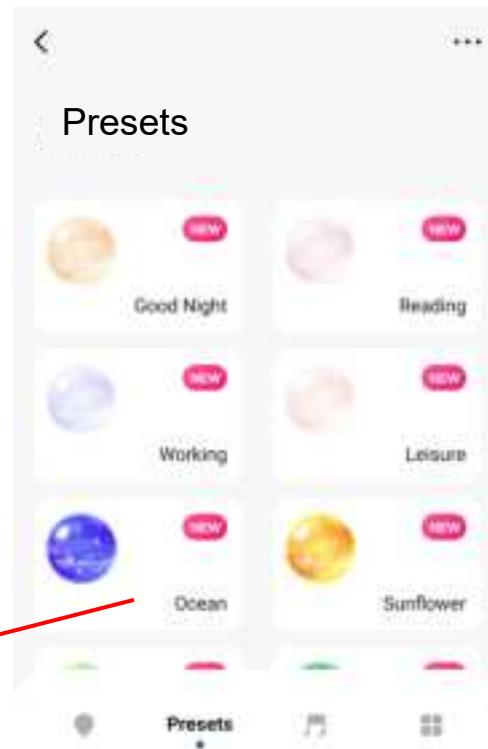- The Default Rhythms schedule contains fixed values for the color temperatures at four specific parts of the day

Smart Bulb Control Panel > Settings > Schedule
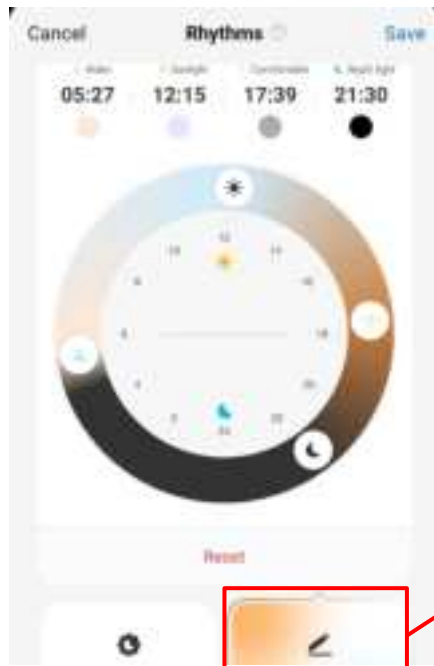
User-Definable

- The Custom Rhythms schedule contains user-definable values for the color temperatures at four specific parts of the day

- Additional scheduling options can be explored by tapping the "+" symbol
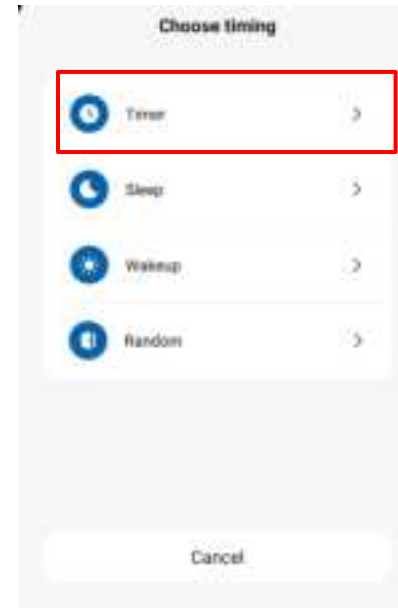
- Choices include a standard Timer, a Sleep timer, a Wakeup timer, and a Random timer

- Set the time for the Smart Bulb to turn ON or OFF

- Set the "Action" to ON or OFF

Smart Bulb Control Panel > Settings > Schedule

Color Selector

- When the Action is set to "ON," you can select a color value with intensity, or a Scene
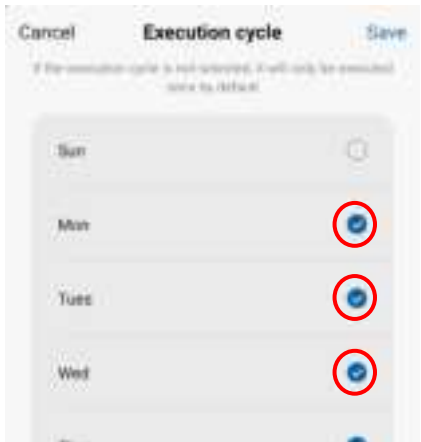
- Set the Days for the Schedule by tapping on the corresponding circle in the 7-day calendar (the "Execution Cycle" selection
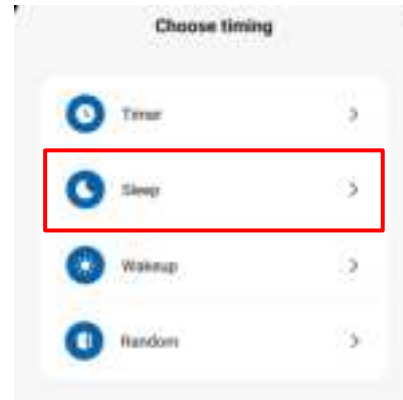
- Tap the "Sleep" selection to create a special type of timer

- This timer programs the lights to gradually fade out over time to help you fall asleep

- Set the Start time with the timer wheel

- Set the Fade-out duration with the slider

- In this example, the 11:00 pm Start time plus the 30-minute Fade-out duration equates to a "Lights Out" time of 11:30 pm

- Use the "Execution Cycle" to set the 7-day calendar
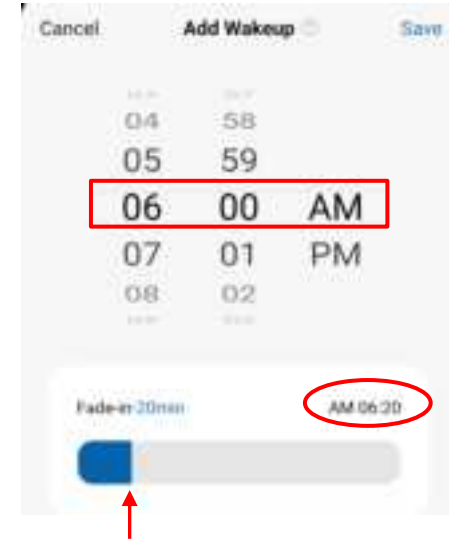
- The Wakeup timer is very similar to the Sleep timer, but it programs the lights to gradually brighten over time to help you wake up

- Set the start time with the timer wheel

- Set the Fade-in duration with the slider
- In this example, the 6:00 am Start time plus the 20-minute Fade-in duration equates to a "Lights On" time of 6:20 am

- Use the "Execution Cycle" to set the 7-day calendar

Smart Bulb Control Panel > Settings > Schedule
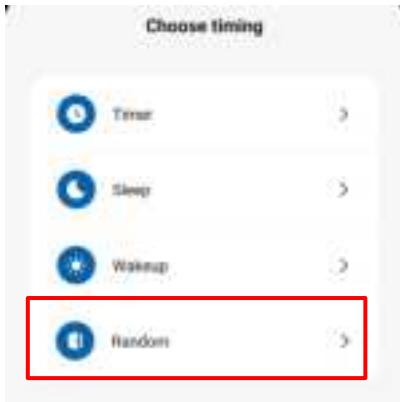
- Tap the "Random" option to create a timer designed for security purposes

- This timer programs the lights to randomly turn ON and OFF in a given time window, which simulates activity in the home
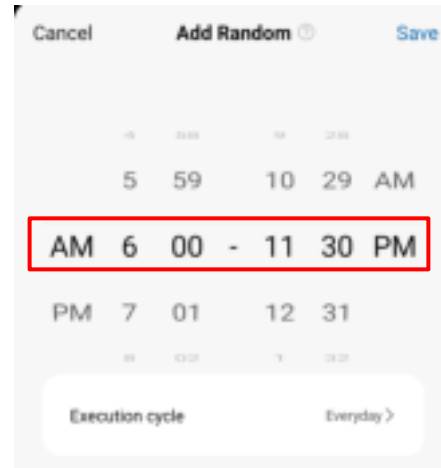
- Set a desired time window

- In this example, the lights will randomly turn ON and stay ON for a random length of time (between 1-60 minutes)

- The number of ON-OFF cycles is also random (between 1-4 cycles)
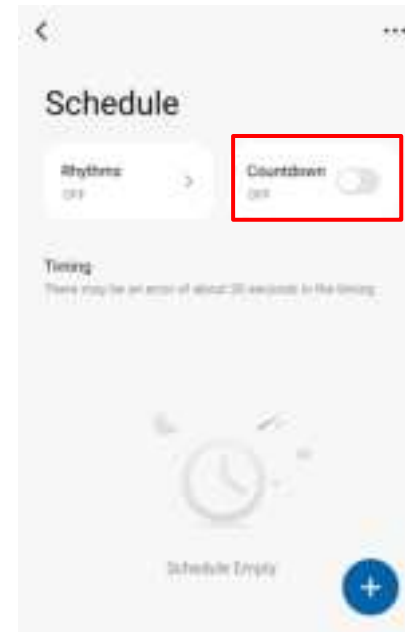
- Tap "Countdown" to automatically turn an ABRA Smart Bulb ON or OFF after a set period of time
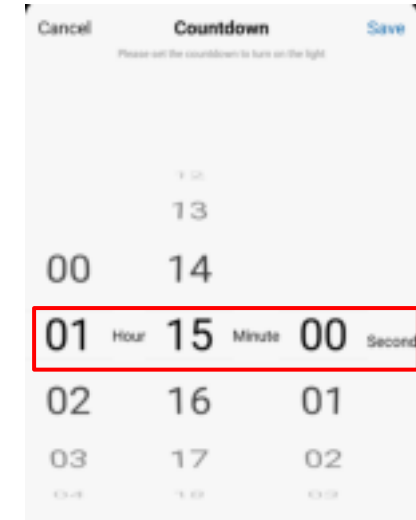
- If an ABRA Bulb is ON, the Countdown timer will turn it OFF when the defined duration has elapsed

- If the ABRA Bulb is OFF, the Countdown timer will turn it ON when the defined duration has elapsed

- In this example, the bulb will turn ON in one hour and 15 minutes

Smart Bulb Control Panel > Settings > Do Not Disturb and Default Light
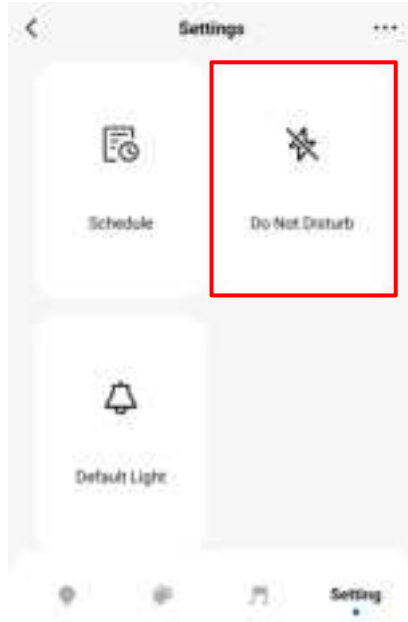
- Tap "Do Not Disturb" to customize how the ABRA Smart Bulb behaves after a power failure

- When there is a loss of power to the bulb, the default behavior is to turn ON as soon as power is restored

- With the "Do Not Disturb" option turned ON, the bulb will remain OFF and will require a manual "ON-OFF-ON-OFF" power-up sequence to get online and functioning correctly
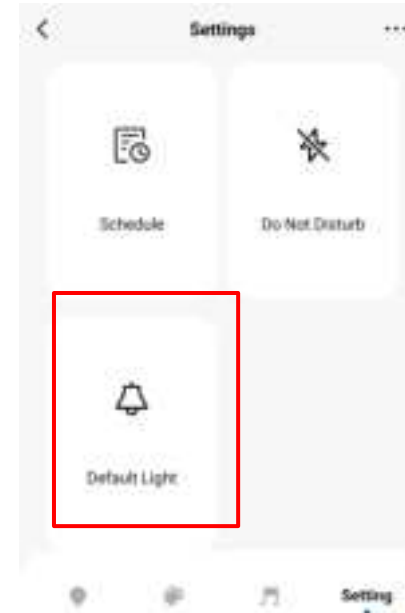
- Tap "Default Light" to determine how the ABRA bulb behaves when switched ON and OFF

- The default behavior is to use the previous color value and brightness setting

Managing the Smart Bulbs: Lamp Management Screen
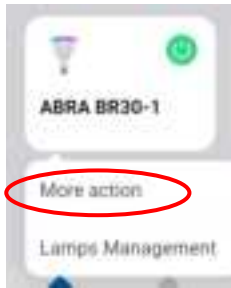
- "More action" takes you to the Lamp Control Panel (same as single-tapping inside the window)
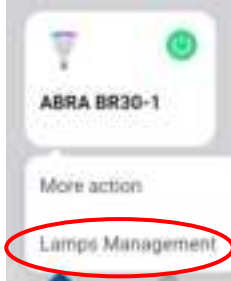
- "Lamp Management" allows you to edit bulb names, remove bulbs, update room assignments, and re-order bulbs within a room
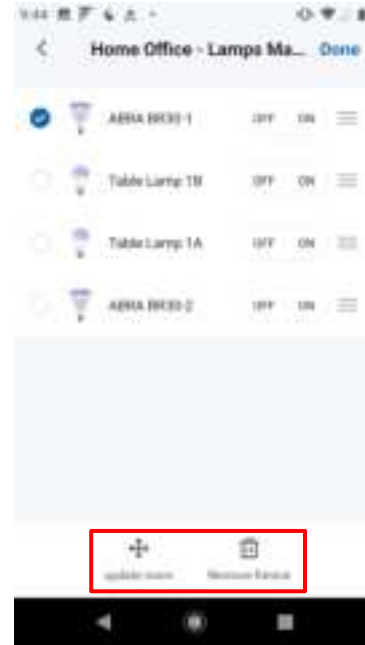
- Highlight bulb(s) in list with checkmark, then tap "Update Room" to change bulb room assignments

- Highlight bulb(s) in list with checkmark, then tap "Remove Device" to delete bulb
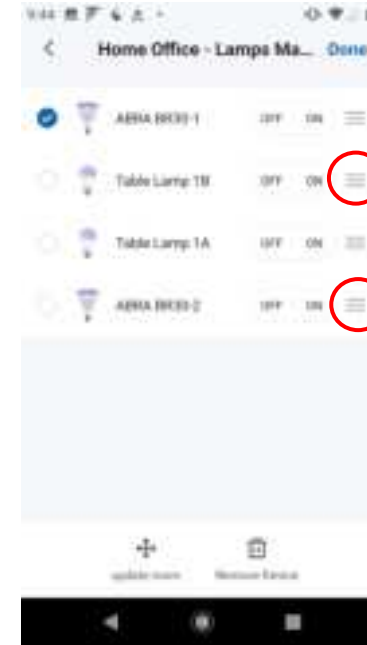
- Use the sidebar to drag bulbs into different positions in the list

- Tap "Done" when finished
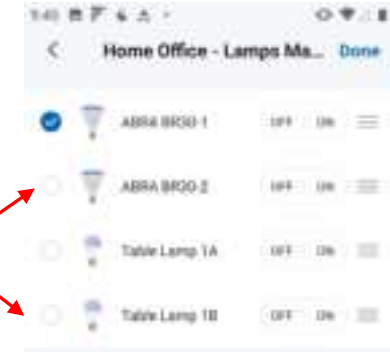
- Bulbs have been successfully re-ordered.
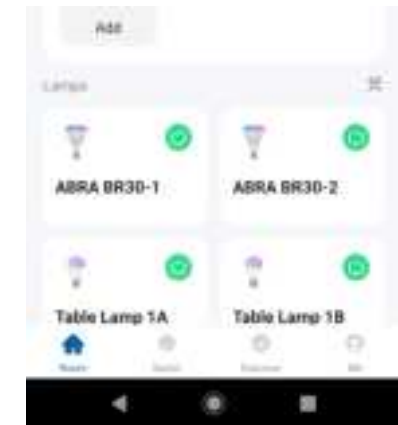
- New order remains consistent across all screens, including the Home Screen.

SECTION: GROUPING SMART BULBS

Grouping Smart Bulbs

- It can be convenient to group two or more bulbs together to control them as a single unit

- For example, when you install two ABRA Smart Bulbs in a single ceiling fixture, you'll generally want to control those bulbs together, not as separate devices
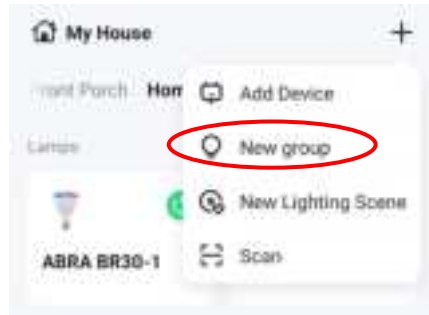
- You can group the ABRA bulbs already in your system by tapping "+" and selecting "New group"

- Note: This will impact custom Lighting Scenes and Automations because the bulbs were added to the Scenes individually, not as a group

- Instead, let's use two new ABRA A19 Smart Bulbs and create a group with them
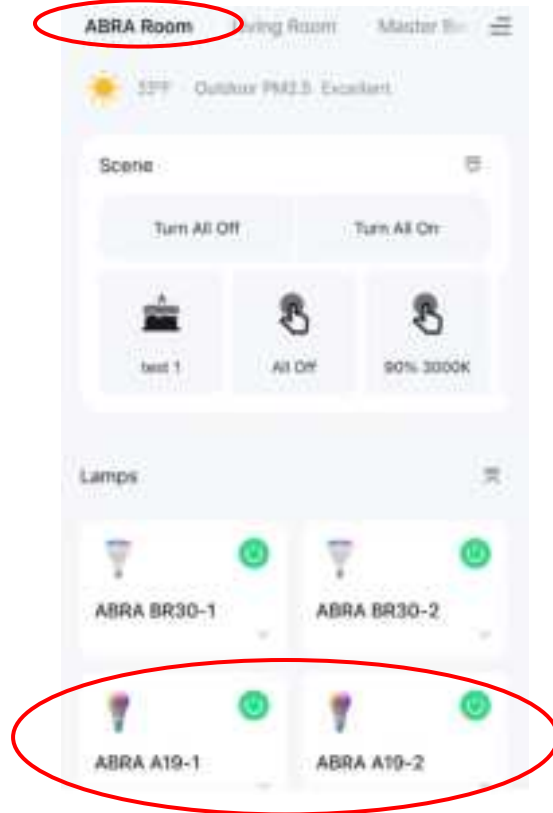
- We'll group these 2 bulbs, located in the "ABRA Room"
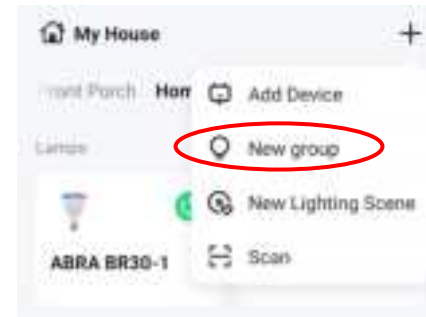
- Select "New group"
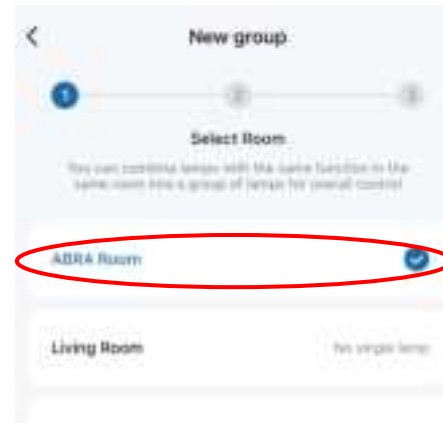
- Select the "ABRA Room"

- Select the 2 ABRA A19 bulbs in the room

Grouping Smart Bulbs
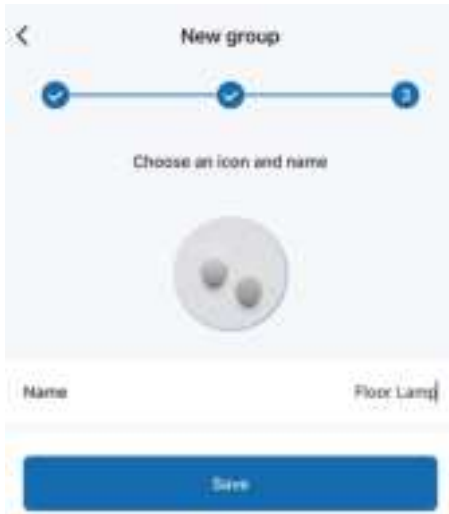
- Now choose an icon and a name for the group

- You can use your camera to take a photo to set as the icon for the group

- In this example, we'll use a stock icon and call the group "Floor Lamp"
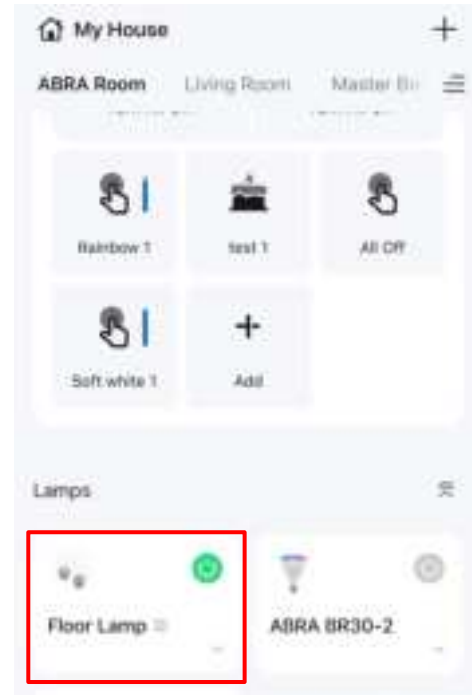
- The 2 ABRA A19 bulbs are now grouped together as "Floor Lamp"

- The 2 bulbs will essentially function as a single unit that will turn ON/OFF and change color in sync with each other

SECTION: ADDING AND ORGANIZING SMART PLUGS

Adding Devices: Smart Plug/Gateway

- The ABRA Smart Plug Gateway combines a full-featured Wi-Fi smart plug with an integrated Bluetooth® mesh gateway

- The Gateway is required to use the ABRA Surface Switch and the ABRA Motion and Brightness Sensor

- Both devices use Bluetooth® mesh for optimal battery life, and use the Gateway to communicate with the Wi-Fi devices in your home, including routers, smart speakers, and ABRA Smart Bulbs ABRA Smart Bulbs

- Insert the Smart Plug into a receptacle

- Pressing the Power Button turns the Plug ON and OFF
- Press and hold the Power Button for 10 seconds to initiate the Pairing Mode (flashing blue light)
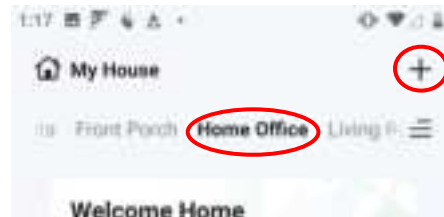
- Make sure that you've selected the Room where you want the Smart Plug to go (e.g., "Home Office")
- Tap the "+" symbol to add the Smart Plug
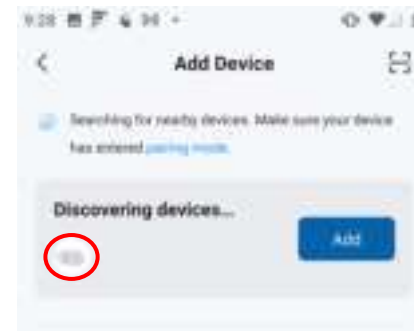
- The Smart Plug will be quickly recognized

- Tap "Add" to add the Smart Plug to your ABRA system

- Wi-Fi info should appear automatically and connect the Smart Plug to the network

- A progress wheel will show time remaining to add the device
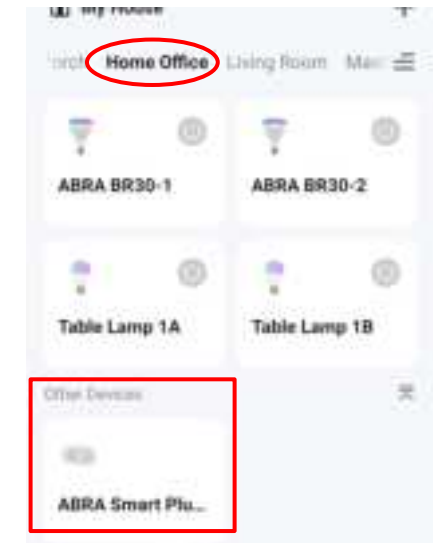
- The ABRA Smart Plug will now appear in "Home Office" > "Other Devices" on the Home Screen

Adding Devices: Smart Plug/Gateway

- If the ABRA Smart Plug Gateway is added to the incorrect Room, it is easy to update it
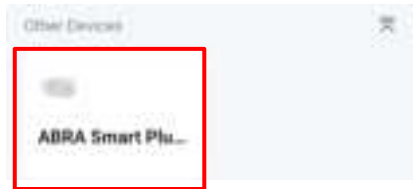
- Tap the window to open the Smart Plug/Gateway Control Panel

- Tap the Edit tool in the Control Panel (top), then again on the Device Information area

- Change the assigned room by tapping on the ">" symbol next to the Room name
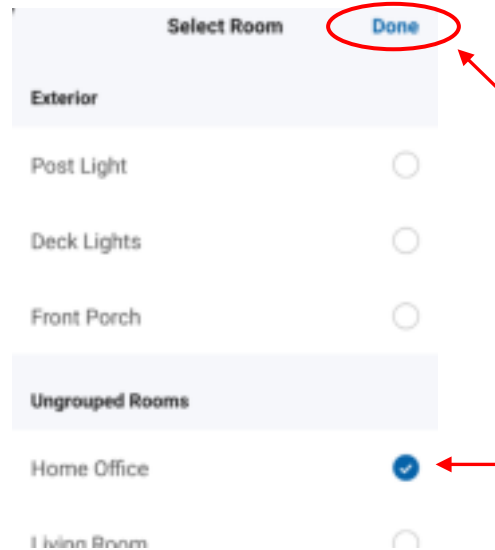
- Select the desired Room, then tap "Done" when finished

- The Device Information screen also allows you to customize the device icon and name

- To change the icon, tap the ">" symbol next to "Icon"
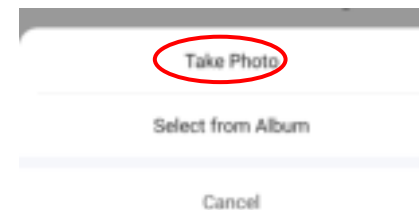
- Use your device's camera to take a photo of the device being controlled with the Smart Plug (e.g., holiday decorations, floor lamp, fan)
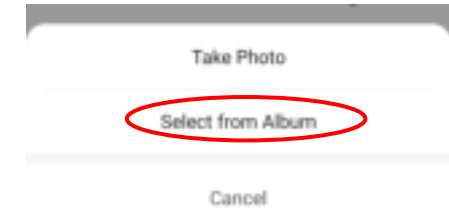
- Use "Select from Album" to assign any photo or image from your mobile phone to the Smart Plug (.jpg and .png format)
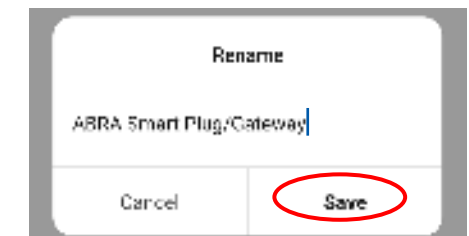
- To adjust the name of the Smart Plug/Gateway, tap the ">" symbol

- Tap "Save" when finished

Smart Plug: Setting Timers and Preferences
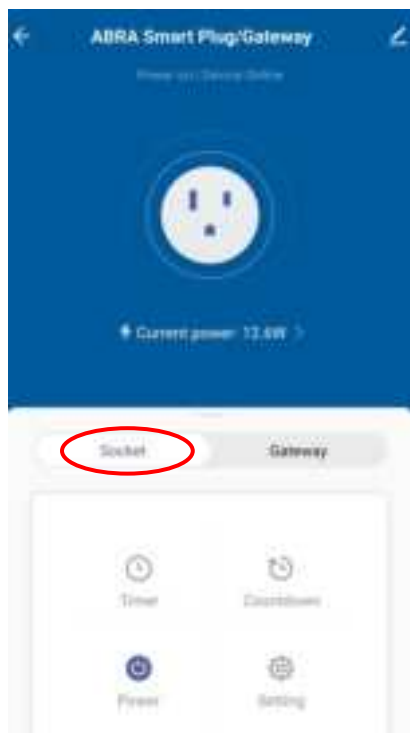
- Open Smart Plug/Gateway Control Panel and select the "Socket" tab.
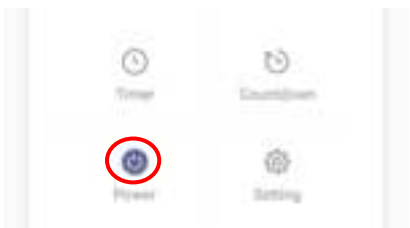
- Tap the "Power" button to manually turn the Smart Plug ON and OFF
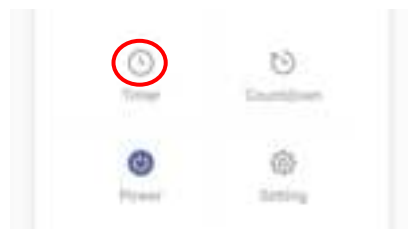
- Select "Timer" to create simple schedules for the Smart Plug alone

- Note: More information on using schedules that combine ABRA Smart Plugs, Smart Bulbs, and other smart devices to follow

- Tap the "+" symbol to create a new schedule
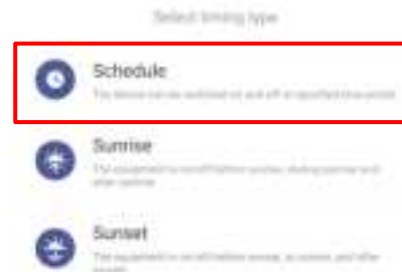
- Select "Schedule" to turn the Smart Plug ON or OFF at a specific time each day of the week
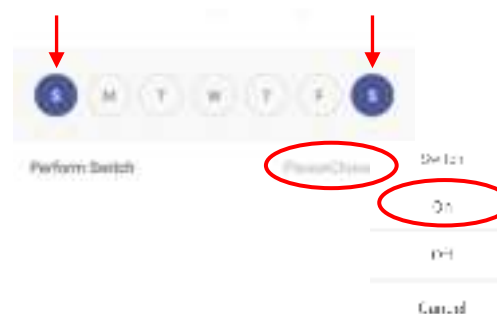
- In this example, the Plug is set to turn ON at 9:15 am on Saturday and Sunday
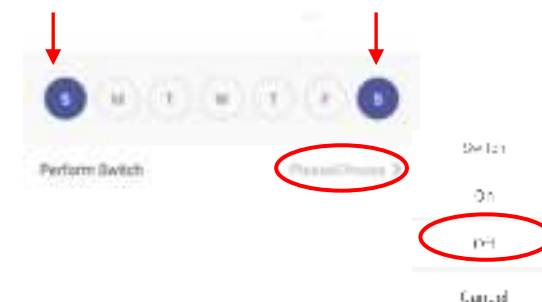
- It's also set to turn OFF at 10:30 pm on Saturday and Sunday
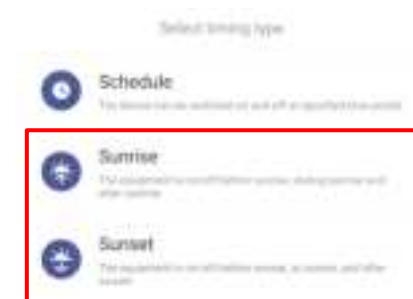
- Now, select "Sunrise" and "Sunset" to have the Smart Plug turn ON or OFF based on daily sunrise and sunset patterns

Smart Plug: Setting Timers and Preferences
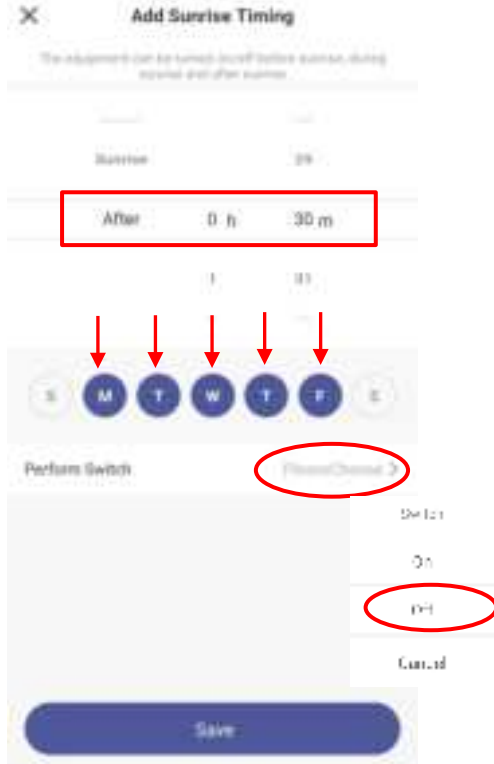
- In this example, the Smart Plug is set to turn OFF 30 minutes after sunrise Monday through Friday
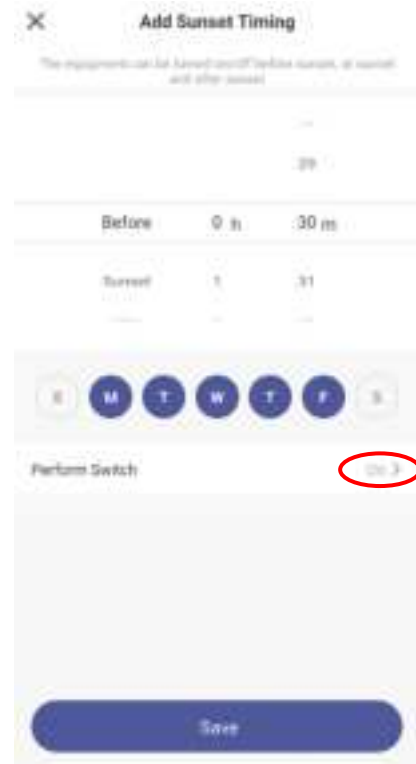
- Similarly, the Smart Plug is set to turn ON 1 hour before sunset Monday through Friday
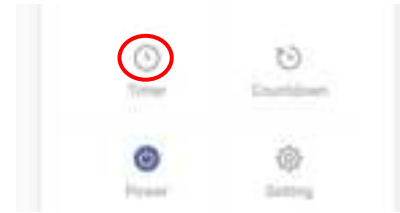
- To view a list of the schedules you've created, tap the "Timer" icon
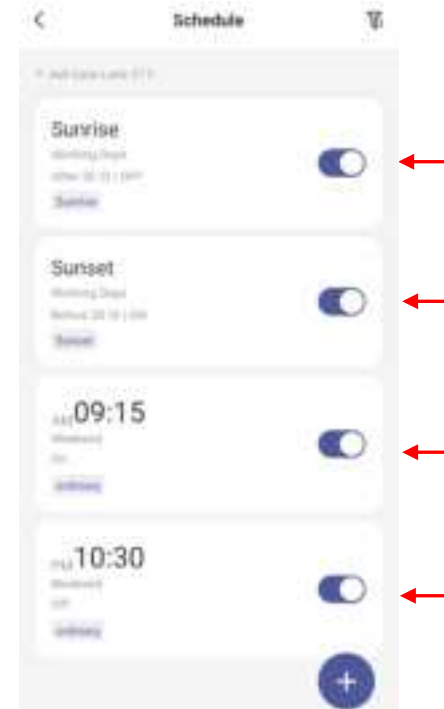
- Schedules can be disabled using the ON/OFF toggle

- Note: The Smart Plug/Gateway Control Panel allows for only one Sunrise schedule and one Sunset schedule
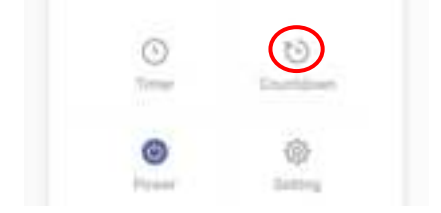
- Tap "Countdown" to create a countdown timer, which turns the Smart Plug OFF after a specific amount of time
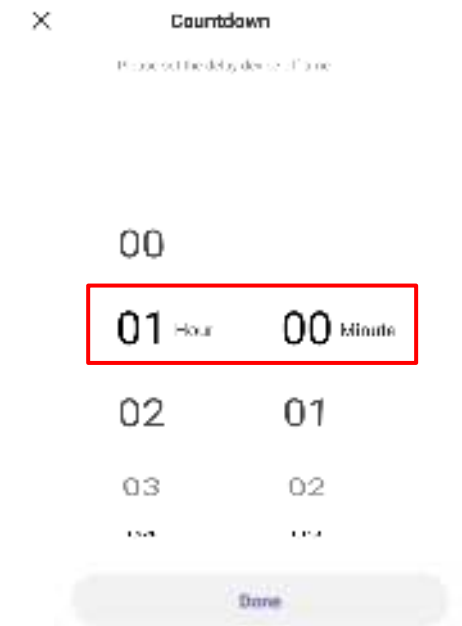
- In this example, the Countdown Timer is set for 1 hour

Smart Plug: Setting Timers and Preferences
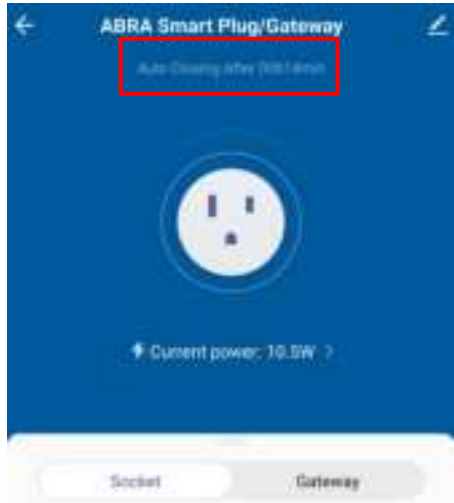
- The Control Panel highlights the time remaining for the Countdown Timer
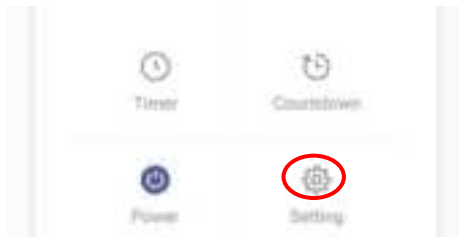
- Tap "Settings" to open the Smart Plug log and to set user preferences

- Tap the ">" symbol next to 'Logs' to view a record of the Smart Plug's operation over a given period

Today	
10:30:57	ON
10:30:55	OFF
10:30:55	ON
10:20:05	OFF
10:13:51	ON
10:15:50	OFF

- Tap the appropriate ">" symbol to view and adjust preferences for the default behavior of the ON/OFF relay in the Smart Plug and the behavior of the built-in status light

- For example, it is possible to change the status light to be OFF when the Plug is ON

- Note: It is recommended to factory the default factory settings
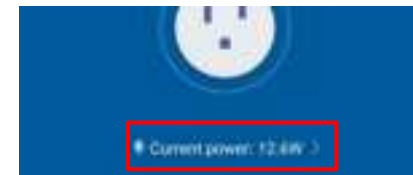
- The ABRA Smart Plug features real-time energy monitoring
- The energy being used by the device plugged into the Smart Plug is displayed on the Smart Plug/Gateway Control Panel

- Tap the ">" symbol to view energy used month-to-month or year-to-year

SECTION: ADDING AND ORGANIZING IN-WALL SWITCHES

Adding Devices: In-Wall Switch

- The ABRA In-Wall Smart Switch must be properly installed in a wall box and powered in accordance with accepted electrical safety practices.

- If you are not experienced in electrical circuits and wiring, PLEASE CONSULT WITH A QUALIFIED, LICENSED ELECTRICIAN.

- After turning off power at the circuit breaker box, pull existing switch away from wall box and note the wiring. Take a few photos for reference. Remove existing switch and replace with In-Wall Smart Switch. See the "ABRA In-Wall Smart Switch Quick Installation Guide" for specific wiring information and additional guidance.

- Flip the circuit breaker to the "ON" position to send power to the switch. The blue LED indicator should begin to flash, indicating that the switch is in "pairing" mode.

- If the LED is not flashing, press and hold the "OFF" button on the switch (the lower part of the paddle) until the LED begins to flash.

- On your mobile device, confirm that Wi-Fi and Bluetooth are both ON, and that you're connected to your home's W-Fi network.

- With the switch in pairing mode, tap the "+" icon at the top right of the ABRA app Home Screen
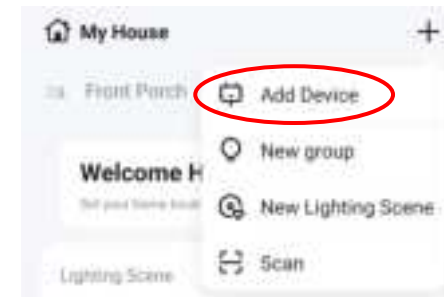
- Select "Add Device" from the menu
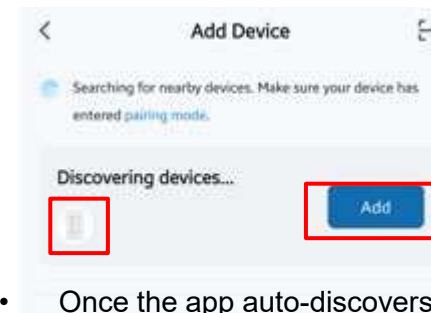
- Once the app auto-discovers the switch, tap "Add" to add the switch to your ABRA system.

- Confirm that your network name and password are correct, then tap "Next"
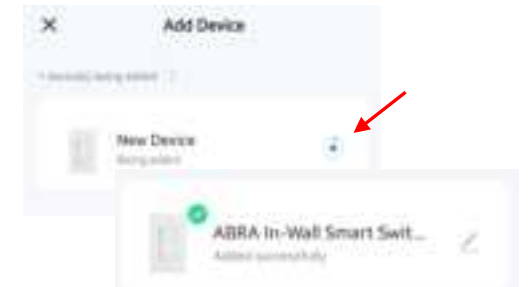
- The progress wheel indicates that the switch is being added, followed by a confirmation that the device was added successfully.

Adding Devices: In-Wall Switch

Tap here to edit switch info
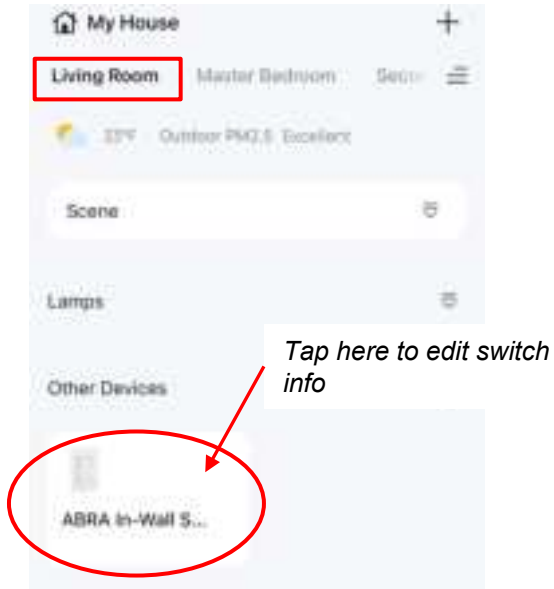
- By default, the switch is named "ABRA In-Wall Smart Switch" and assigned to the first room in the Room List, which is "Living Room."

- Tap on the "ABRA In-Wall Switch" area on the home screen to open the switch Control Panel. Here you can change the switch's name and room location. You'll want to change the name to differentiate it from other switches you may add in the future.

- Tap the "Edit" tool.

- Tap the "Edit" tool again on the next page.

- Tap the ">" tool to change the device name.

- In this example we'll change the default name to "Exterior Garage Lights," and tap "Save" when done.

- Next we'll create a new Room called "Garage."

Adding Devices: In-Wall Switch

- The ABRA app includes 6 sample rooms, but you can easily add more rooms or re-name rooms as needed. Refer to the "Room Management" section of the ABRA User Guide for more details.

- On the Home page, tap the Room Management tool next to the scrolling "Room Bar."

- Tap "Edit" to add a room.
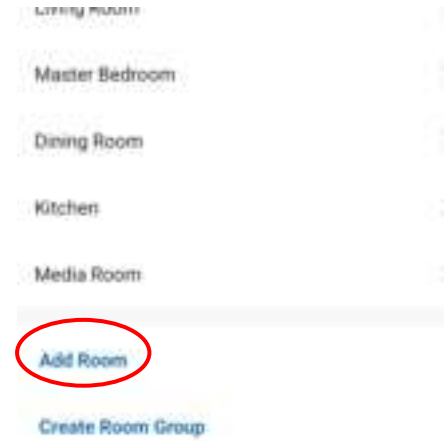
- Tap "Add Room."
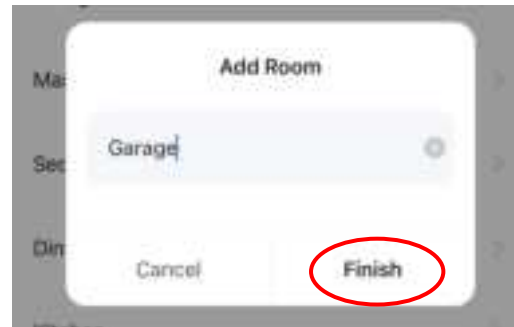
- Add a room called "Garage" to the Room List and select "Finish."

- Return to the Smart Switch Control Panel and change the device location from "Living Room" to "Garage."

- The "Exterior Garage Lights" switch is now associated with the "Garage" room…
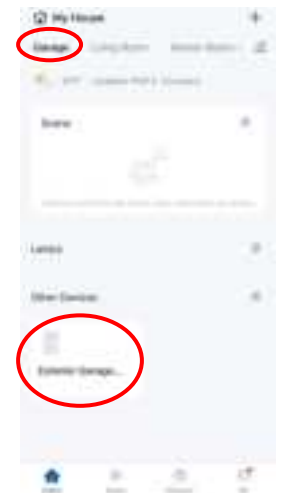
- … and can be found on the Home page on the "Garage" tab.

Creating Schedules with the ABRA In-Wall Switch

- The ABRA app provides several ways to create schedules for your In-Wall Smart Switch.

- For simple time-of-day schedules, you can use the basic Scheduling Tool found in the Smart Switch Control Panel. Tap the clock icon.
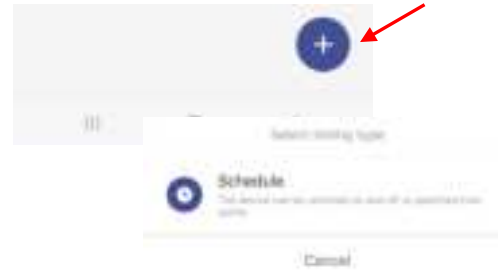
- Add a schedule by tapping the "+" tool at the lower right, then tap "Schedule."
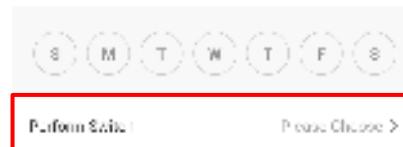
- Set the Start Time for the schedule with the numerical dial, along with the days of the week.

- "Perform Switch; Please Choose" sets the Smart Switch to either turn ON or OFF based on the schedule.

- If you have multiple smart switches, you can assign the schedule to all of them, or you can set each one to a different schedule.

- Tap ">" to select ON or OFF.
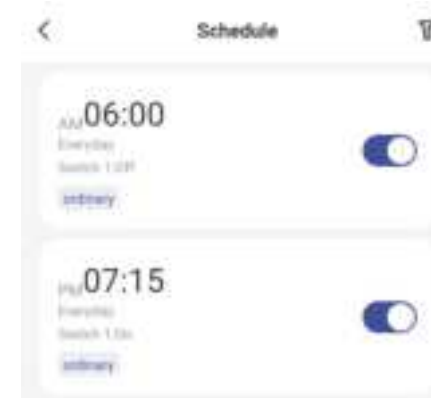
- Repeat the process to create an ON schedule and an OFF schedule. The schedules will now appear on the Schedule screen in the Control Panel.
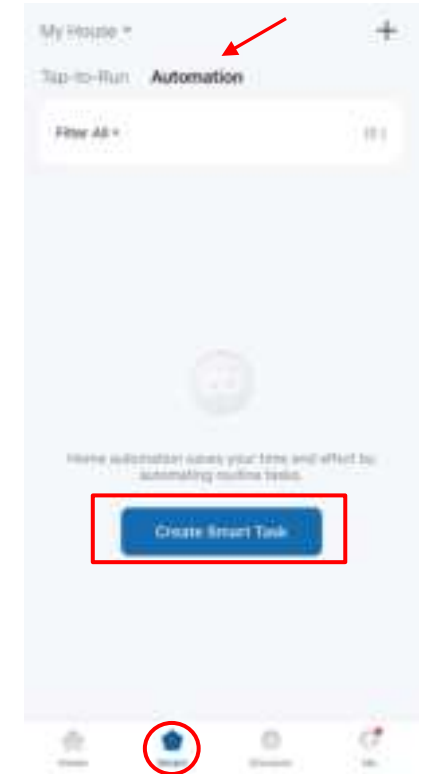
- For more sophisticated schedules with Sunrise/Sunset capabilities, use the ABRA app advanced Scheduling Tool found on the "Smart" page.

- Select "Automation" at the top of the page, then tap "Create Smart Task."

Creating Schedules with the ABRA In-Wall Switch
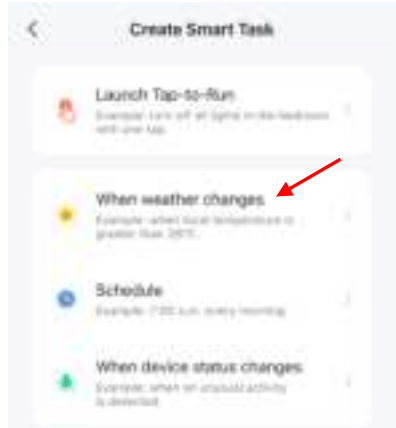
- Select "When Weather Changes" from the Smart Task menu. This is where the Sunset/Sunrise astronomic settings can be found.

- The astronomic is based on the gps location in your mobile device when you set up your app.

- Tap "Sunrise" and note that you can offset the time by 5 minutes to 5 hours. For example, you can create a schedule that begins 20 minutes before sunrise every day.
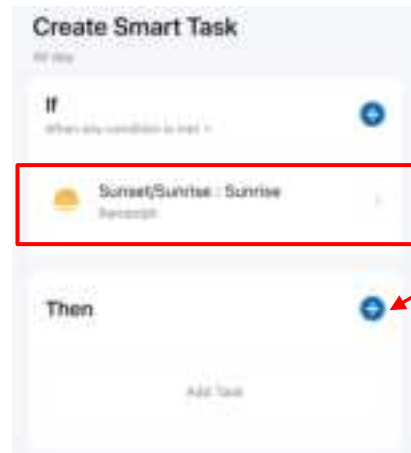
- This defines the "If" (or "When") part of the automated schedule. In this case, "when sunrise occurs…"

- Now you must define what happens at sunrise. Tap the "+" to Add Task.
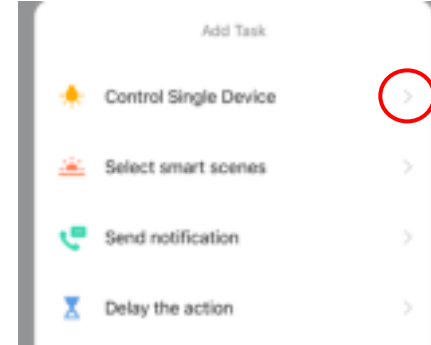
- Select "Control Single Device"

- Next, select your In-Wall Smart Switch by tapping the ">"
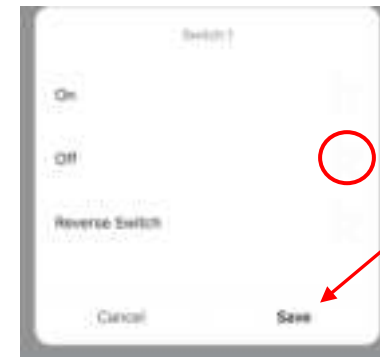
- Select "OFF" and "Save."
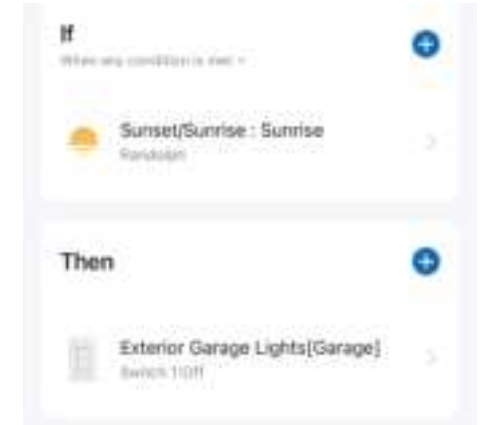
- Now, every day at sunrise the Smart Switch will turn OFF.

- Name the schedule "Sunrise," tap "Confirm," then "Save."

- TIP: If you plan to add more smart switches or other ABRA devices, it's a good idea to name the schedules according to their timing vs. "Garage Lights" or something like that. It will provide more flexibility when you want to sync multiple devices to the same schedule.

Creating Schedules with the ABRA In-Wall Switch
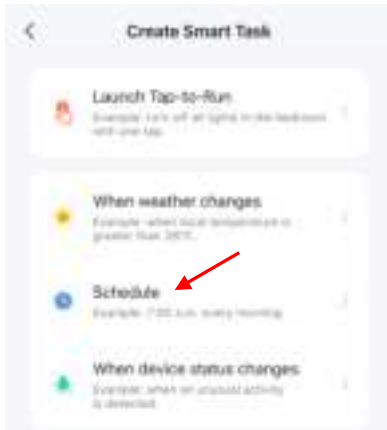
- To create an "ON" schedule, you simply repeat the process. In this example, we'll use time-of-day to turn the switch ON.

- Go back to the "Smart" page "Automations" tab and select "Schedule."
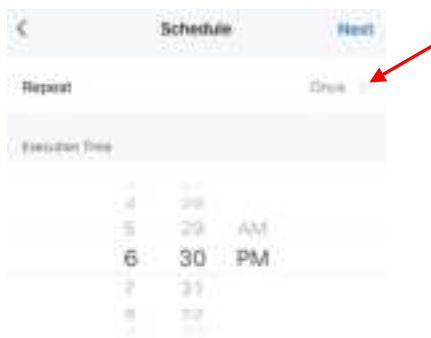
- Dial in the desired time and change the "Repeat>Once" selection to open the 7-day calendar.
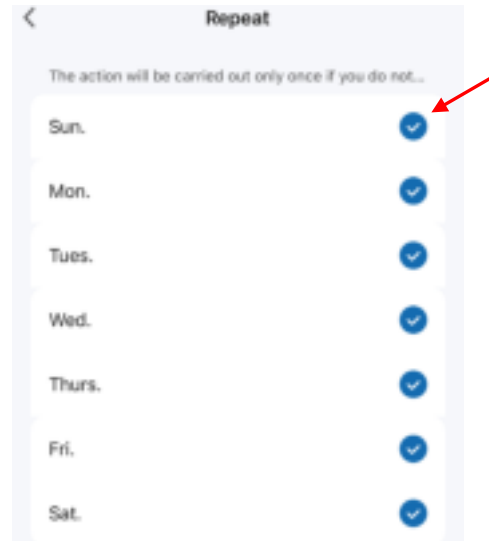
- Select the desired days for the schedule.
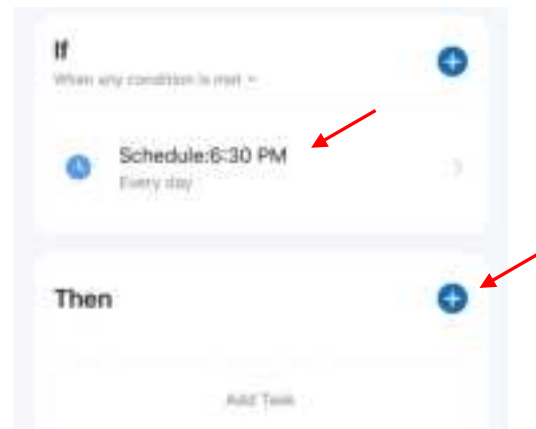
- With the Time and Days in place, the "action" must now be defined. Tap "+" in the "Then" area.
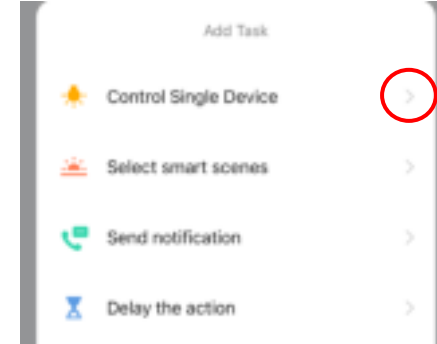
- Again, select "Control Single Device" and choose the smart switch.

- This time, select "On" to turn the Smart Switch ON, then "Save."
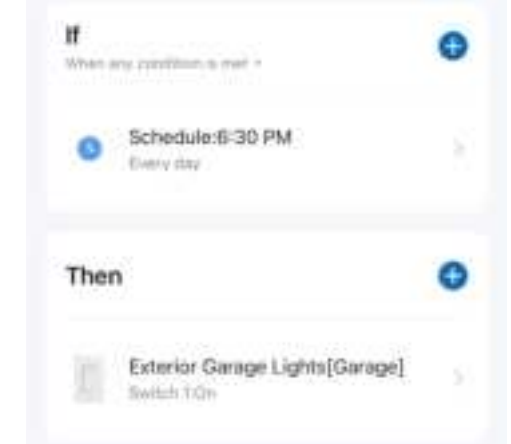
- Now, every day at 6:30PM the Smart Switch will turn ON.
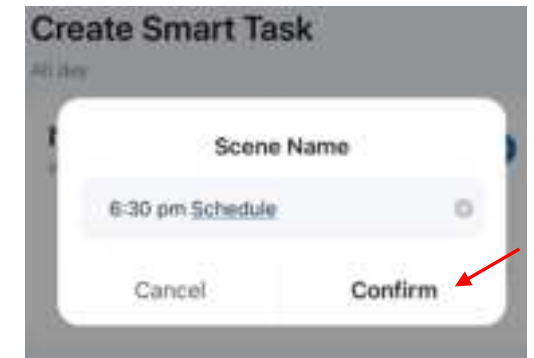
- Name the schedule, tap "Confirm," then "Save."

Creating Schedules with the ABRA In-Wall Switch
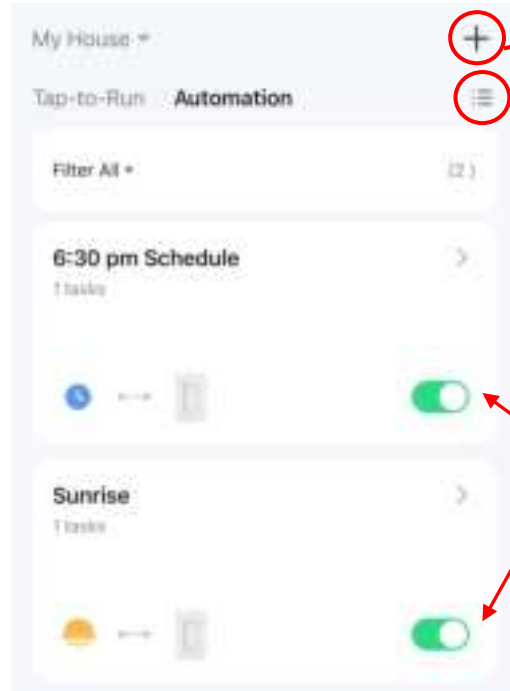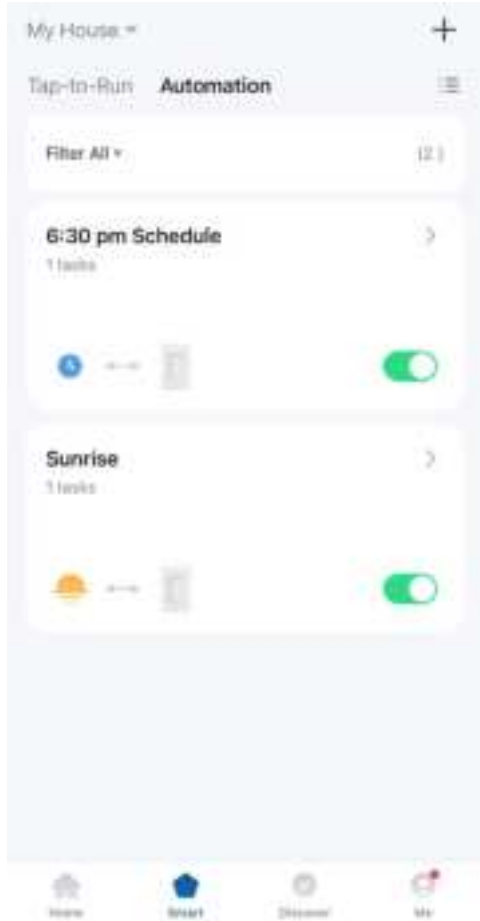
Tap to "+" icon to add a new Smart Automation, including schedules

Manage/Delete Smart Automations

Modify Smart Automations, including Re-name, Add/Change Devices, Change Timing, Change Device Behaviors, and more.

Turn Smart Automations On/Off

- Note that Automated Schedules can easily be modified, re-named, deleted, and turned On/Off using various tools in the ABRA app.

- The "Smart>Automation" page now contains the two automated schedules you just created.

- The "6:30 pm Schedule" turns the ABRA In-wall Smart Switch ON every day. The "Sunrise" schedule turns the Smart Switch OFF every day at sunrise.

Other ABRA In-Wall Smart Switch Features

On/Off

On/Off

Basic Scheduler

Countdown Timer

Settings

Done

- Use the Countdown Timer to turn the switch ON or OFF after a specified period of time, up to 24 hours.

Setting

Switch log	>
Relay Status	Restart Memory >
Indicator Status	On/Off Status >
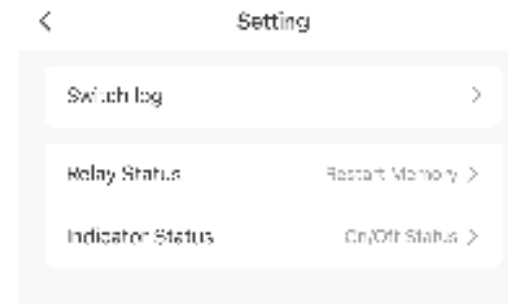
- The Settings tab contains 3 items.

Switch log

Jan 29

11:21   Switch 1 On

11:21   Switch 1 Off

11:21   Switch 1 On

11:8   Switch 1 Off

- The Switch log keeps track of your Smart Switch ON/OFF status over the course of time.

Restart Status

Power-off

Power-on

Restart Memory ✓

- Relay Status refers to your preferred switch status after a power failure. When power returns, the switch can be set to ON, OFF or to the state it was in at the time of the power loss.

Off

On/Off Status ✓

Switch Position

dp_light_mode_on

- Indicator Status refers to the LED indicator. It can be turned OFF completely, or it can be set to indicate the status of the load.

- In Switch Position mode, the LED will be ON when the load is OFF, to act as a nightlight to help locate the switch in a darkened room.

SECTION: CREATING LIGHTING SCENES

Creating a Lighting Scene
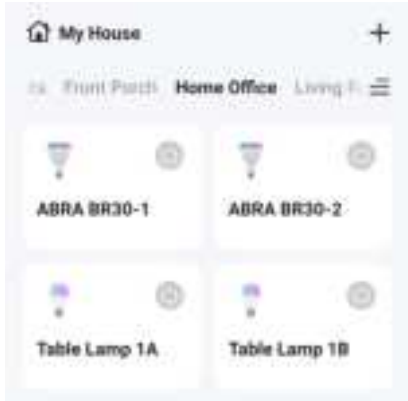
- Using our 4-bulb ABRA example, let's create a Lighting Scene within "Home Office"
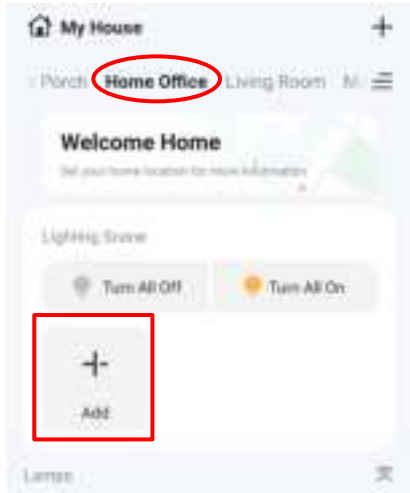
- On the Home Screen > "Home Office," scroll up to the Lighting Scenes window and tap the "+" symbol
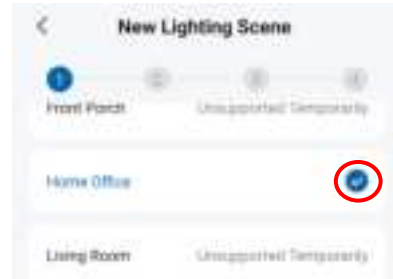
- Confirm the correct Room (i.e., "Home Office") is selected
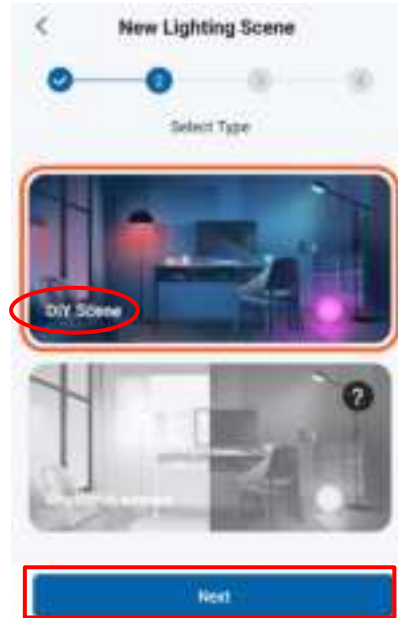
- "DIY Scene" is selected by default

- Tap "Next" to continue.

Include bulb

Exclude bulb
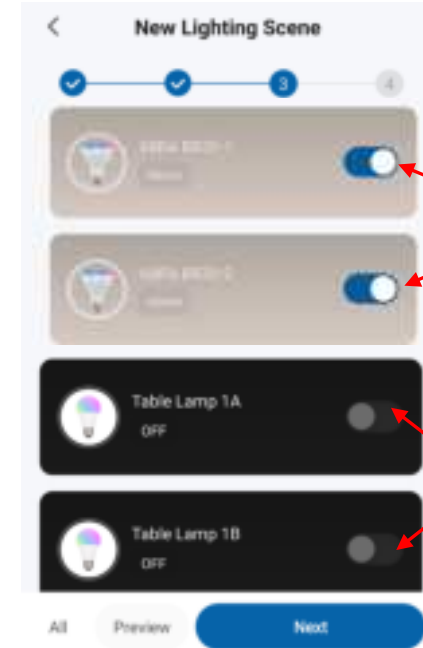
- Include one or more ABRA Smart Bulbs to create the Lighting Scene

- Select the bulbs you want to use with the toggle next to each bulb name

Selection Ring

Brightness

Tunable White

Color

- Tap on the bulbs and a "Selection Ring" will appear around them (Note: This makes it easier to select multiple bulbs at once)

- After selecting the bulbs, select the parameter you want to set for the Lighting Scene: Brightness, Tunable White, or Color

- Tap "Next" to continue

Creating a Lighting Scene

Individual Brightness Setting

Universal Brightness Setting
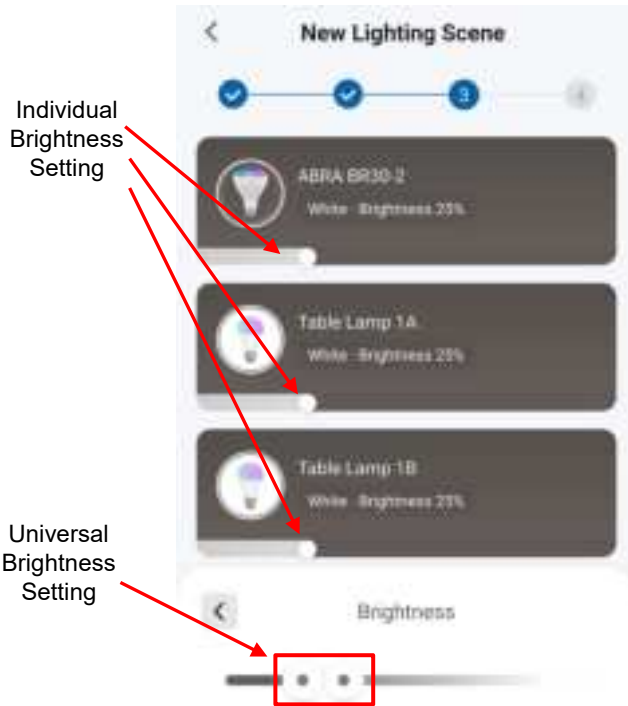
- In this example, we selected all the bulbs in the Room, then selected the Brightness setting
- The bottom slider adjusts the Brightness setting of all the selected bulbs at once, universally
- The slider beneath each bulb adjusts the brightness setting individually per bulb
- In this example, let's set the brightness to 25% for all bulbs
- When done, tap the "<" symbol (back button) to the previous screen
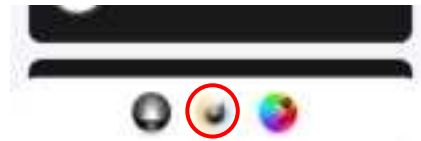
- Tap the Tunable White tool

- You can now adjust the Correlated Color Temperature (CCT) value of the bulbs by using the sliders
- In this case, change the CCT value to 4000K, a midday bright white value
- Tap the "<" symbol when done
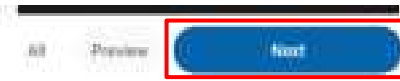
- With all the bulbs set to 25% Brightness and CCT value of 4000K, tap "Next"
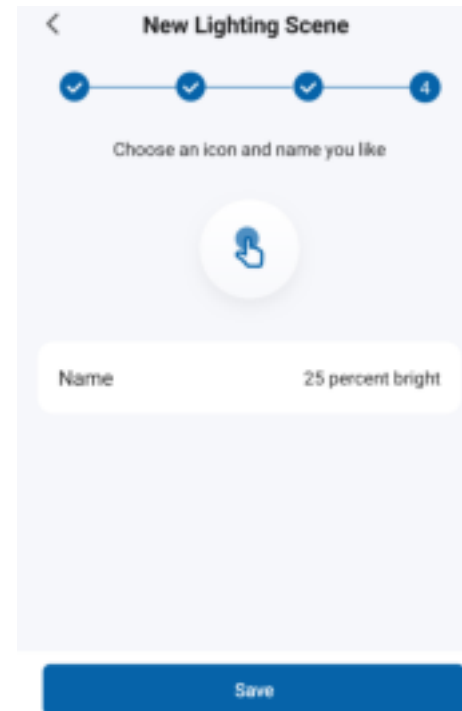
- Change the name of the scene to "25 percent bright"
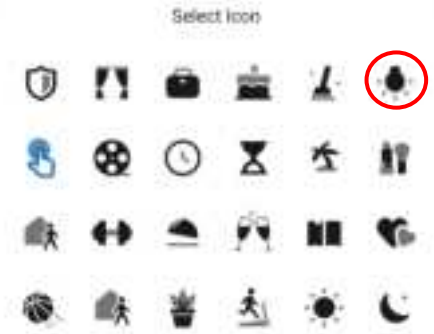
- If desired, select a new icon for the Lighting Scene by tapping on the default icon, which reveals a list of alternate icons

- Tap "Save"

Creating a Lighting Scene
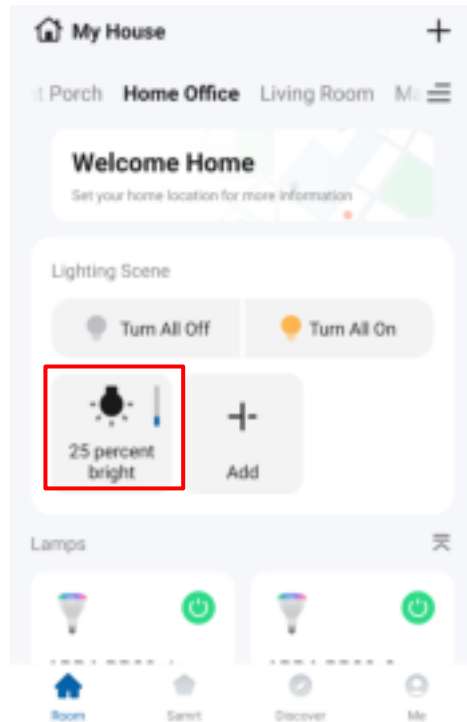
- The "25 percent bright" Lighting Scene is now saved in "Home Office"
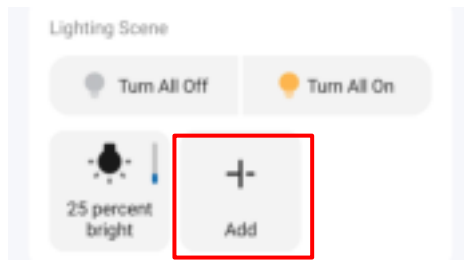
- Tap the "+" symbol to create two additional scenes, the first being another Tunable White scene and the second an RGB color scene

- Following the previous example, create a new Lighting Scene with all the ABRA bulbs
- Set the Brightness to 90%
- Set the CCT value at 2700K, commonly referred to as "Soft White"
- Save the scene as "Soft white 90 percent"
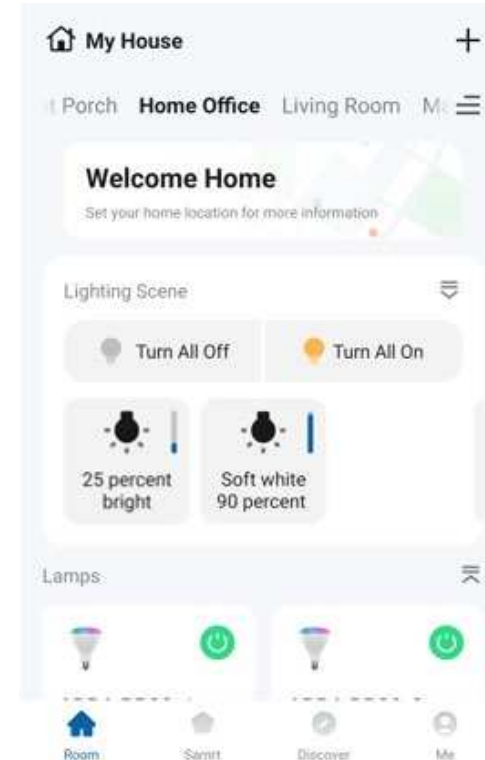
- The blue bar in each Lighting Scene icon represents the overall brightness level of the scene. In the example above, 25% and 90%

- Follow the same process for creating a Color Lighting Scene, tapping the RGB Setting tool to adjust the color values

- Use the RGB sliders to set the two BR30 bulbs to an orange color
- Use the RGB sliders to set the two A19 bulbs to a purple color
- Set all bulbs to 100% Brightness

Creating a Lighting Scene

- Tap "Next"
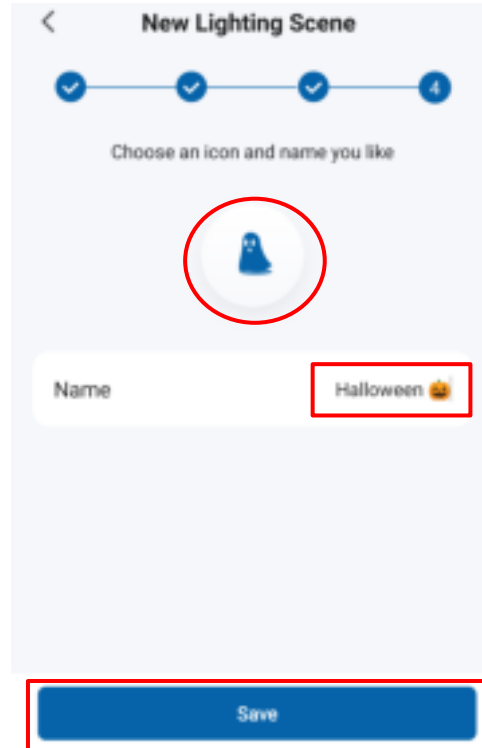
- Change the Scene icon to the ghost

- Change the Scene name to "Halloween" (Note: You can use emojis as part of the name)

- Tap "Save"
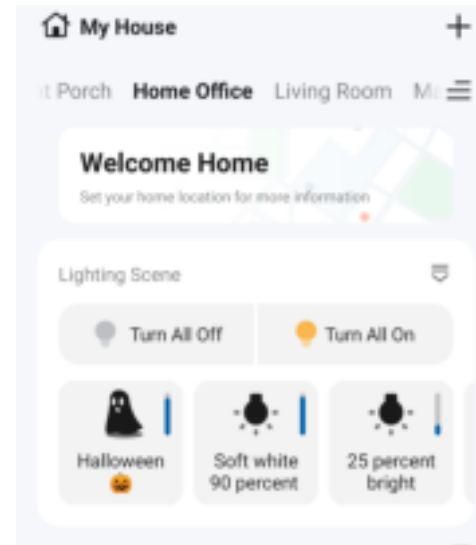
- You should now see the three Lighting Scenes you just created in "Home Office"

- Tap on them one by one and watch the bulbs change based on the parameters you set

- "All On" and "All Off" will continue to work as expected (Note: Default behavior for "All On" is to return to the previous bulb settings)
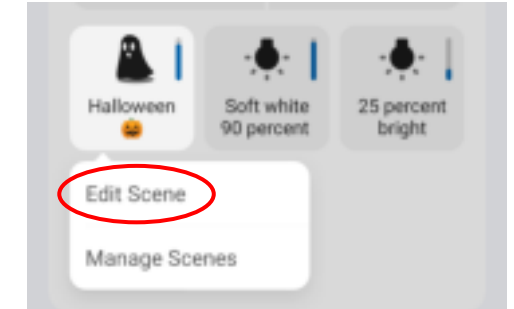
- To Edit a Lighting Scene, tap and hold on a Scene to open the pop-up menu

- Tap "Edit Scene"
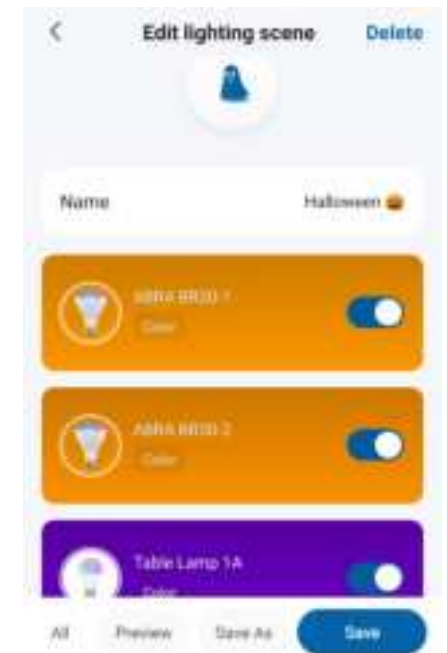
- Use this tool to change the attributes of a Lighting Scene, including the name, RGB or CCT values, icons, etc.

Creating a Lighting Scene
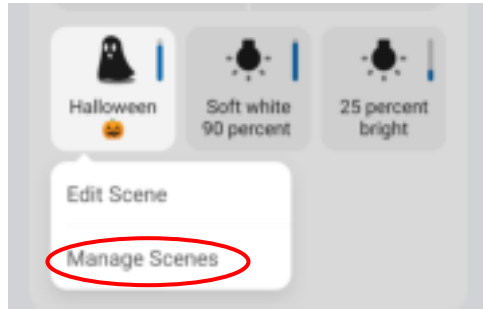
- To Manage Lighting Scenes, tap and hold on a Scene to open the pop-up menu
- Tap "Manage Scenes"
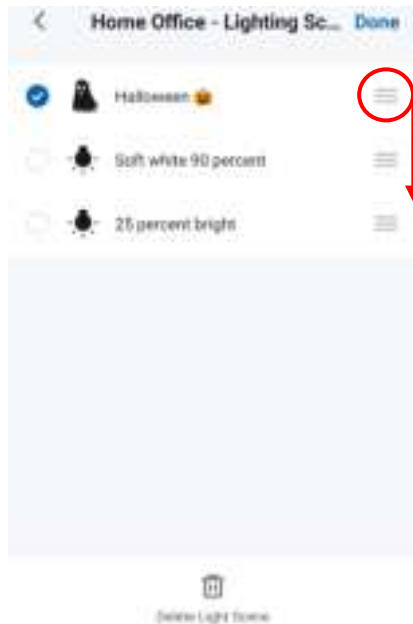
Drag down to move Scene to end of list

- Use this tool to delete a Lighting Scene or change the list order
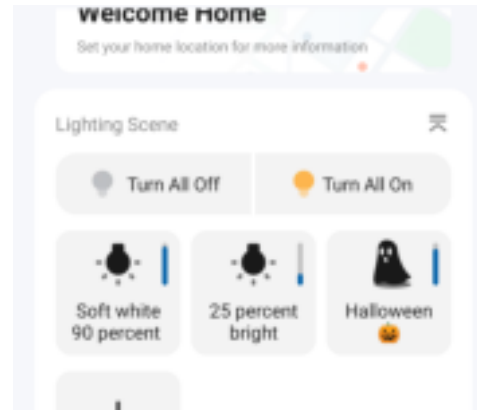
- Now, the Halloween Scene is third on the list

SECTION:
ADDING AND USING THE SURFACE SWITCH

Adding ABRA Surface Switch via Plug/Gateway

- The ABRA Surface Switch is a Bluetooth® mesh device and is added to the ABRA system via the Smart Plug/Gateway

- A minimum of one ABRA Smart Plug with Bluetooth® Gateway is required, and each Smart Plug/Gateway can support up to 50 ABRA Bluetooth® mesh devices

- Begin by pairing an ABRA Smart Plug/Gateway to your system, as outlined in this User Guide
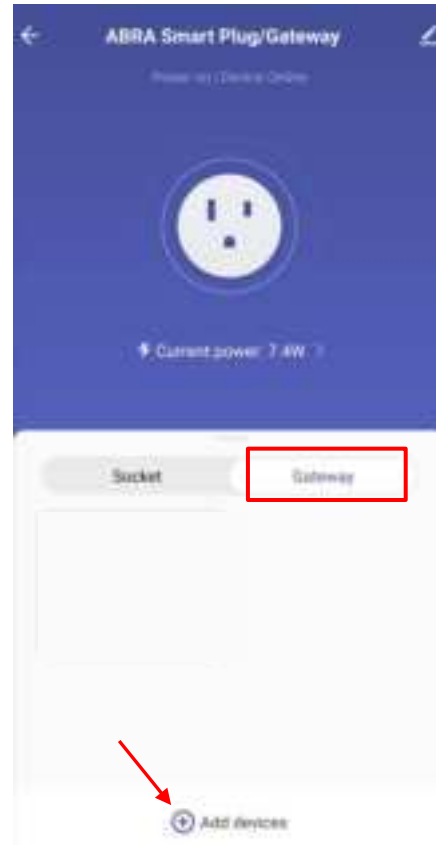
- Open the Smart Plug/Gateway control panel and select the Gateway tab, then tap "Add devices"
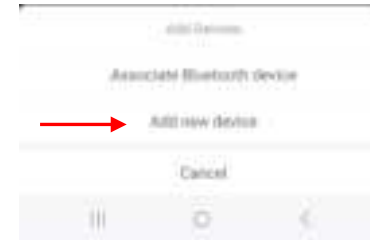
- Select "Add new device"

- For a new Surface Switch, pull the battery tab on back to activate it. The green LED should begin to flash to indicate "pairing mode."

- If the LED is not flashing, hold the top or bottom button down for 10 seconds until the LED begins to flash, then let go

- For best results, the Surface Switch should be within 10 feet of the Plug/Gateway during the pairing process

- After 30 seconds or so, the switch should pair to the gateway. Tap "Done."

Adding ABRA Surface Switch via Plug/Gateway
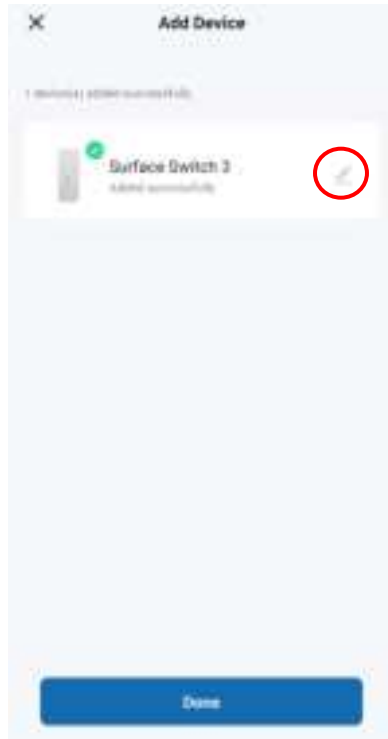
- The Surface Switch will automatically be added to the first Room in the Room List

- To leave everything "as is," tap "Done"

- To change the room location or the default name of the switch, tap the edit tool
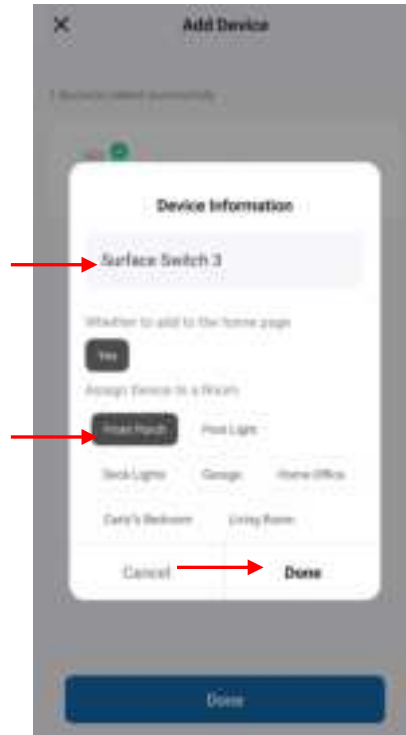
- Make your changes here, then tap "Done."

- Note that these changes can be made at any time by editing the settings

- If other Surface Switches have already been added to your system, the ABRA app will automatically assign numbers as new switches are added
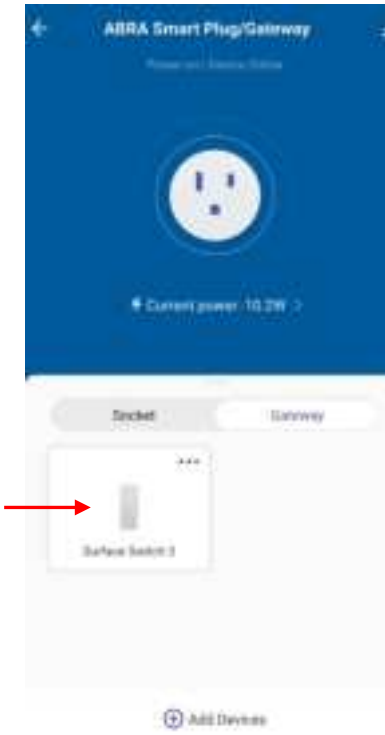
- The Surface Switch now appears in the Gateway tab of your Smart Plug/Gateway

- Tap the "Surface Switch 3" tile to program it

- The top button ("Button 1") and the bottom button ("Button 2") can each be programmed for three "actions":
  - Single click
  - Double click
  - Long press

- An "action" can consist of one or more functions, like turning a single ABRA bulb ON or OFF, turning a group of ABRA bulbs ON or OFF, or triggering an ABRA lighting scene

- Tap "Add intelligence"

Programming the ABRA Surface Switch

- Tap "single click" to program a function to the single click action of Button 1

- To emulate the function of a traditional light switch, the top button is typically programmed to turn the lights ON and the bottom button programmed to turn the lights OFF
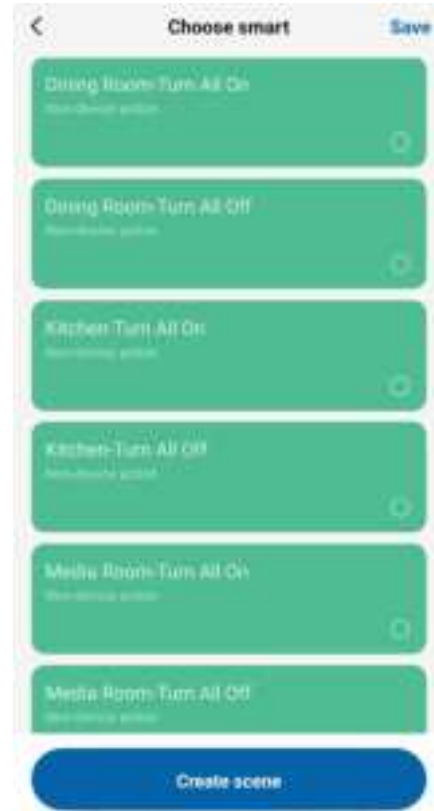
- The default choices include "Turn All On" and "Turn All Off" for each room in your system

- You can program the top button to simply "Turn All On," but the lights will come on in their previous state.

- For example, the bulbs could turn on in a dimmed state or they might turn on in a color mode instead of white, which might not be desirable
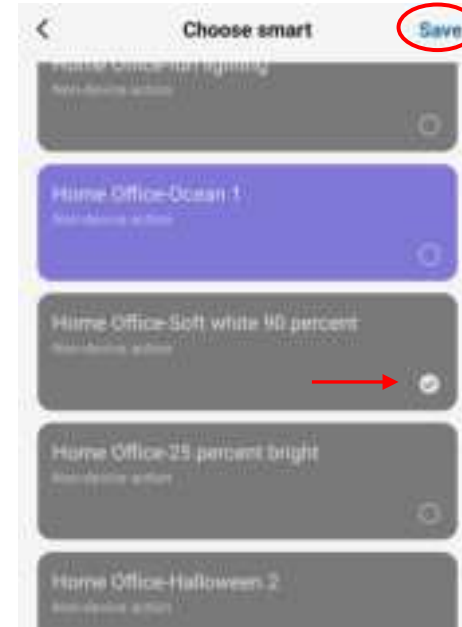
- It is generally better to create a custom "Default Scene" in ABRA, so that every time you press the top button, the lights come on with good brightness and your preferred shade of white

- Your custom lighting scenes appear on the same screen, organized by rooms

- In this example, we'll scroll down to the Home Office lighting scenes where we'll find the default scene that we previously created: "Soft white 90 percent"

- Tap the tile to select it, then "Save"

- The "Soft white 90 percent scene" has now been programmed to the top button, single click

- You can follow the same process to add functions to the "double click" and "long press" actions of Button 1

- Let's add another custom scene to the Surface Switch > Button 1 by tapping "Add intelligence" again

Programming the ABRA Surface Switch

- This time, tap "double click" to program the double click action for Button 1
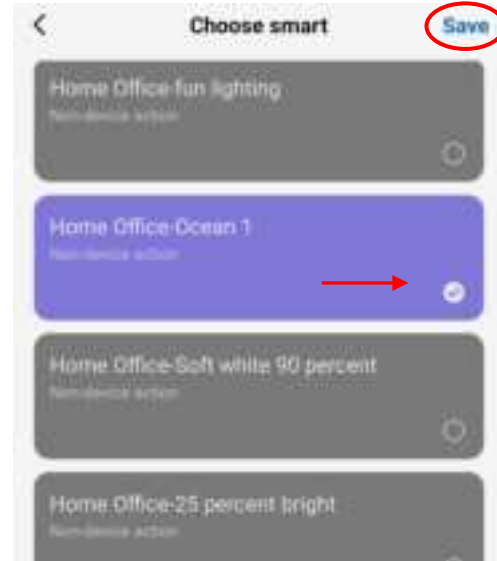
- In this example, we'll select another custom ABRA lighting scene that we previously created, called "Ocean 1"

- Tap "Save" to program the scene on the double click action of Button 1
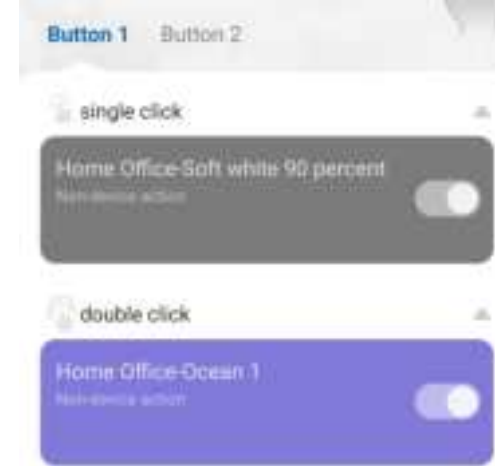
- You'll now see an ABRA lighting scene programmed to both the single click and double click actions of the Surface Switch top button

- If desired, you can "stack" multiple functions or scenes to same button action, as long as the scenes do not use the same ABRA devices

- For example, you can add an ABRA Smart Plug to the Button 1: Single click action by creating a new scene that includes the smart plug you'd like to control with the switch
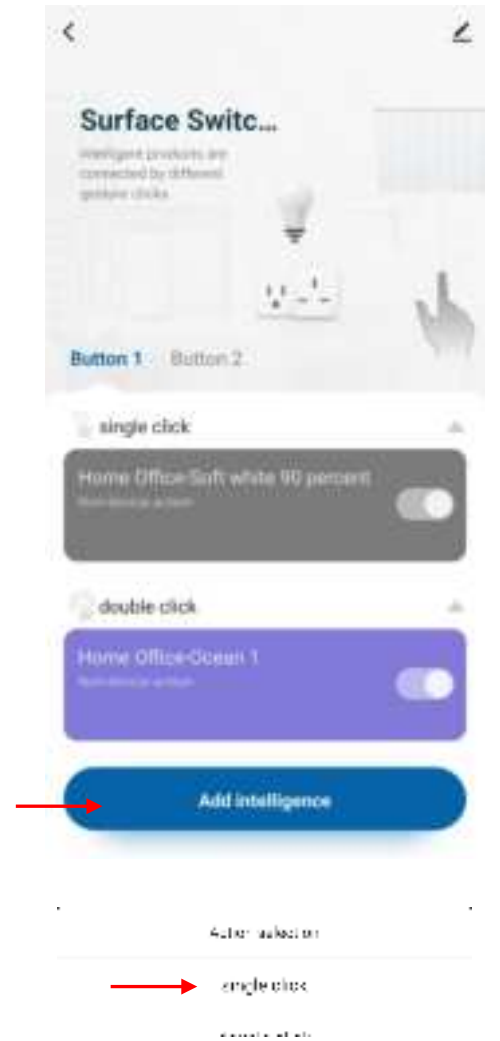
- Tap "Add intelligence," then "single click"

Programming the ABRA Surface Switch
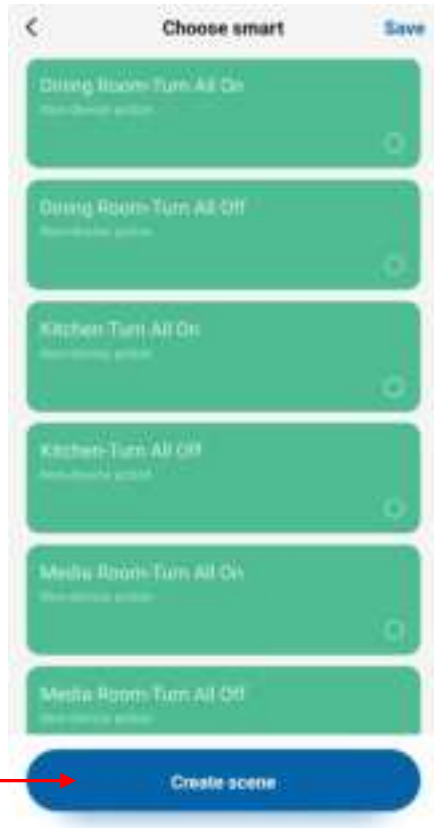
- Instead of selecting an existing scene from the list, this time we'll create a new scene by tapping "Create scene"
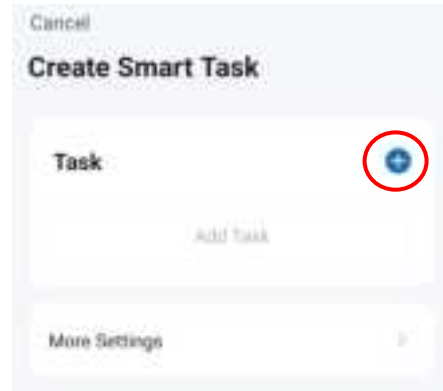
- Tap the "+" in the Task window to create the first task or function in the new scene
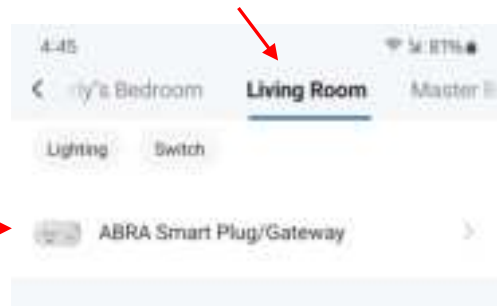
- Next, navigate to the room where the Smart Plug is located and select it
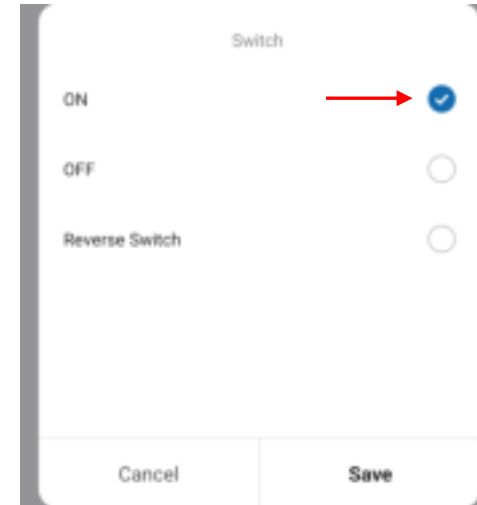
- Select "Switch," then "On" to turn the plug ON when the switch is pressed

- Tap "Save," then "Next"
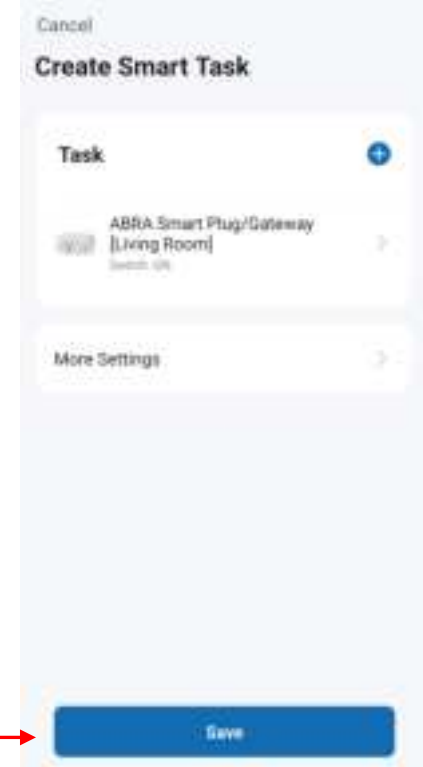
- Tap "Save" and name the scene

- We named the scene "Living Room Lamp ON" because the plug is controlling the living room lamp

Programming the ABRA Surface Switch

- The new scene will appear as the last entry at the bottom of the "Scene/Smart Task List"

- Select it on the right-hand button, and the scene will be added to the Button 1: single click action

- Now, when you press the top button on the Surface Switch, the living room lamp will turn on AND the default lighting scene will turn on in the Home Office

- If you need to change or delete a task that you've programmed on a button action, simply slide the function to the left with your finger to reveal the Trash icon

- Tap the Trash icon and the function will be deleted

- Now, let's add an OFF function to the bottom button (Button 2: Single click)

Programming the ABRA Surface Switch
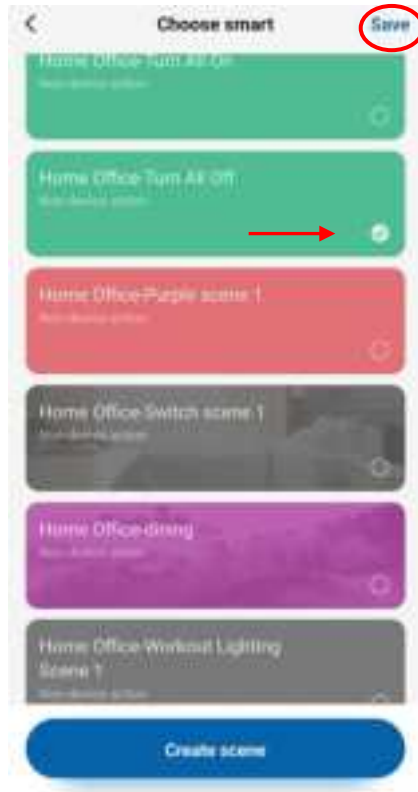
- We'll select the standard "Home Office-Turn All Off" scene, which will automatically turn off every light located in that room

- Tap "Save" to program the scene to the bottom button of the Surface Switch
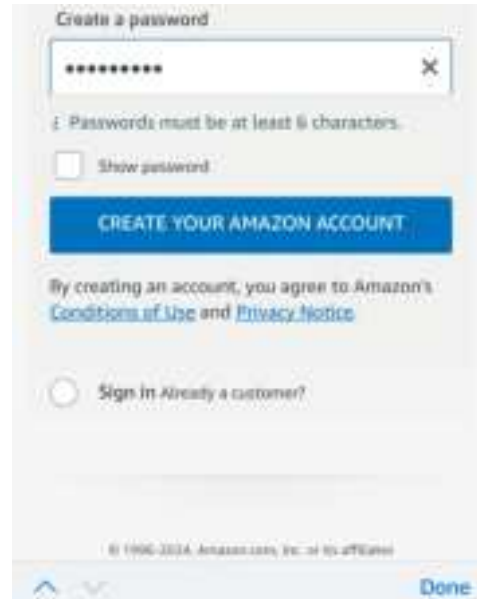
- Now, when you press the bottom button on the Surface Switch, all ABRA smart lights in the Home Office will turn off

- The Surface Switch will now provide familiar and convenient ON/OFF control of your room lights right at the wall, where it is expected

- It can also trigger four additional ABRA lighting scenes via the double click and long-press actions of the buttons

SECTION: USING ABRA WITH AMAZON ALEXA

ABRA and Alexa Skills

- To use Alexa skills with your ABRA system, you must have an active Amazon Alexa account

- Get started by downloading the Amazon Alexa app from the App Store or Google Play

- Open the Amazon Alexa app

- Log in or sign up for new Amazon Alexa account

- After creating your Amazon Alexa account you will need to authenticate your email address

- A One Time Password (OTP) will be sent to your email address

- Check your email

- Enter the 6-digit OTP in the app to verify your email address

- Next, you will need to provide your mobile number

- Another One Time Password (OTP) will be sent to your mobile device via text message

ABRA and Alexa Skills
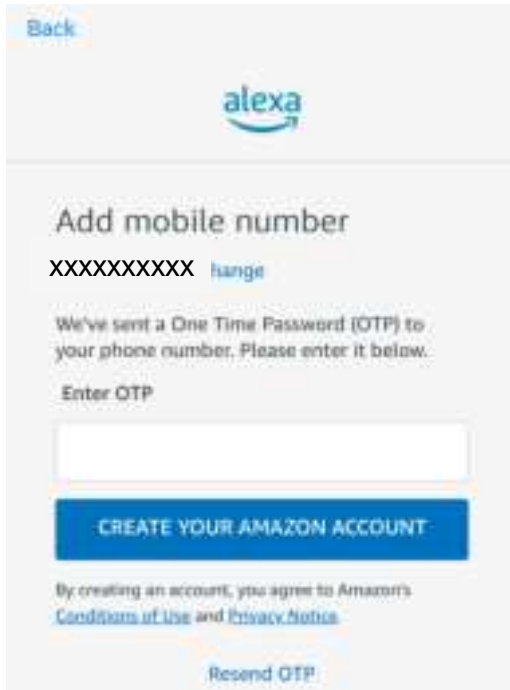
- Enter the 6-digit OTP to complete your Amazon Alexa account setup

- Your Amazon Alexa account is now set up and ready to use

- To connect your ABRA devices and lighting scenes to your Alexa account you must link the accounts together
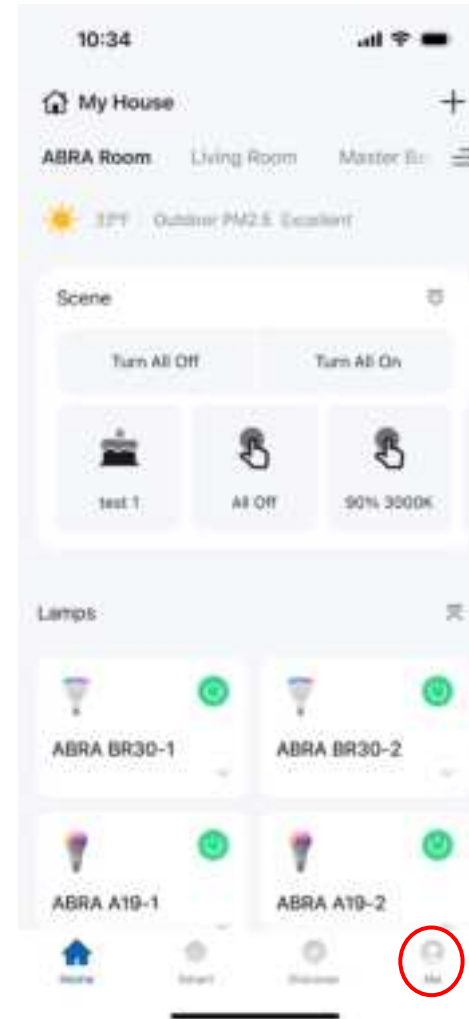
- On the Home Page of your ABRA app, tap on the "Me" icon
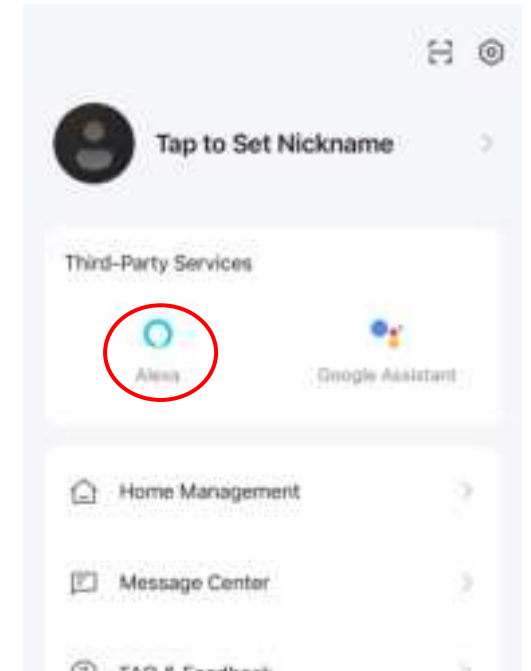
- Under "Third-Party Services" tap the Alexa icon

ABRA and Alexa Skills

Amazon Alexa

"ABRA" on "Amazon Alexa"

Not yet linked to this App account, "Amazon Alexa" cannot obtain device status and control permissions.

Link to Amazon Alexa

More ways to link

- Tap "Link to Amazon Alexa"

Account Linking

Link ABRA with Alexa

Enable the ABRA skill and link your account with Alexa.

To unlink your account at any time, disable the skill in the Alexa app.

CANCEL   LINK

- The screen confirms that you want to link your ABRA account with your Alexa account

- Tap "LINK" to proceed

- You may be prompted to log into your Alexa account if currently logged out

Link Successful

You can now control the device through the Amazon Alexa.

Done

- Once you've successfully linked the two accounts, tap "Done"

"ABRA" skill has been linked

"ABRA" on platform "Amazon Alexa" has obtained the device status and control permissions.

Categories   Device Control

Common functions:

Group Control   Tap-to-Run Control

Unlink   Re-link
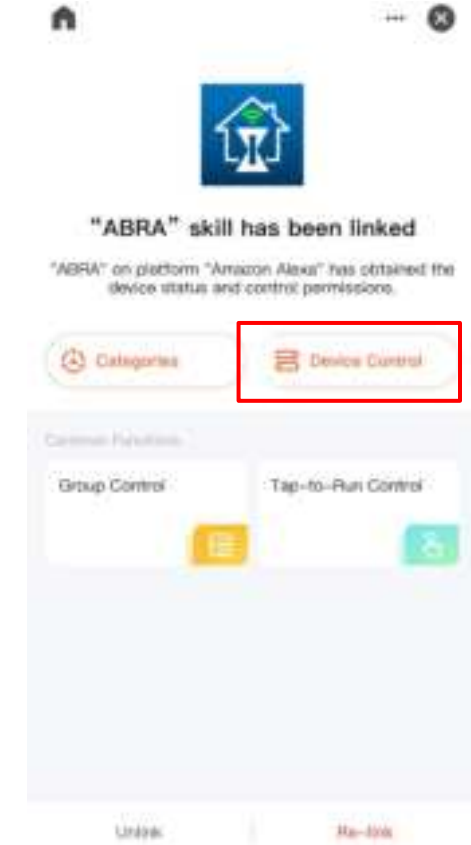
- The ABRA app presents you with this final confirmation screen

- Before proceeding to the Alexa App, you can tap on "Device Control" to see the ABRA devices that can be controlled by Alexa

ABRA and Alexa Skills

Your Name Here
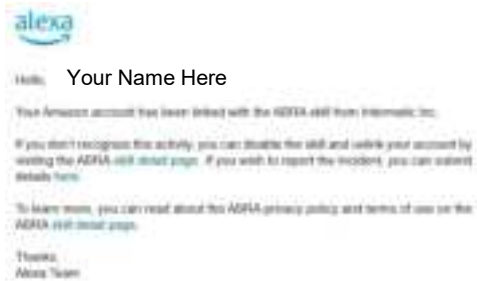
- You will receive an email from Amazon confirming that you've linked your ABRA account
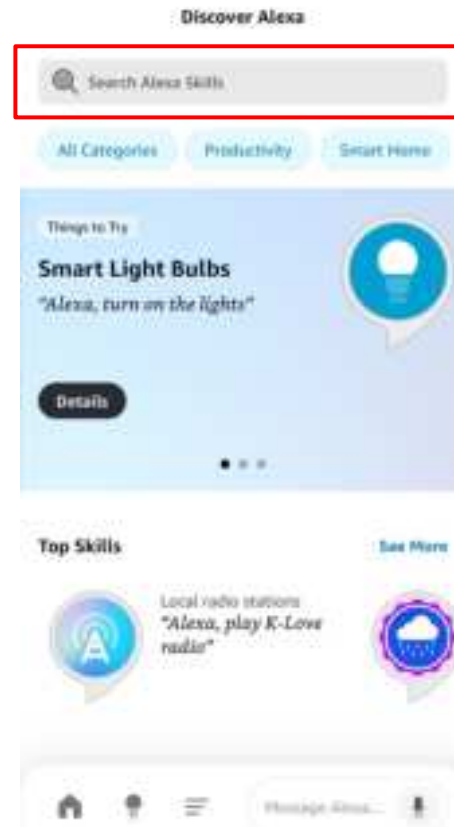
- On the Alexa app home screen type "ABRA" in the "Search Alexa Skills" window
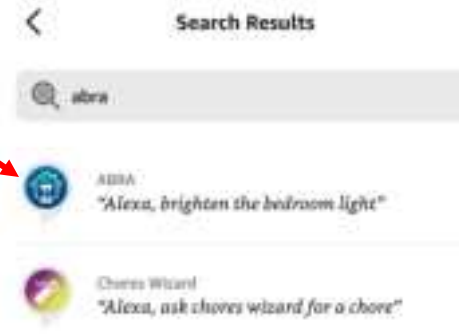
- Select the ABRA pp from the list

- The Alexa App will confirm that the ABRA skill is now enabled

ABRA and Alexa Skills
Using the Alexa Voice Assistant to Control ABRA Smart Lights

- You can now use the Alexa Voice Assistant in a connected Alexa device like Echo Dot, Echo Spot, Echo Show, etc. to control your ABRA lights

- Tap on the "Device" icon at the bottom of the Alexa app to see all the devices associated with your Alexa account
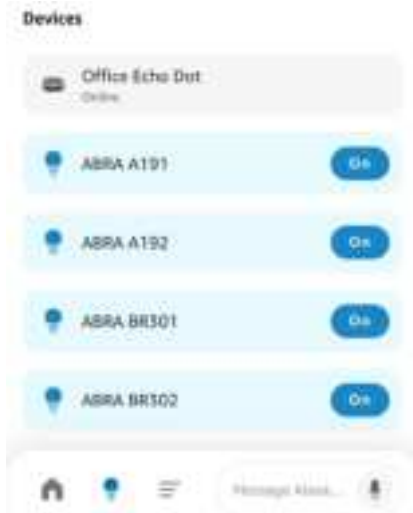
- Since we linked the ABRA and Alexa accounts in the previous step, you'll see the 4 ABRA bulbs used in our example in the device list
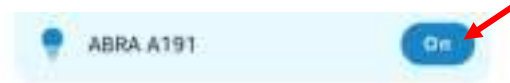
- Note that tapping the "On" button next to any ABRA bulb will turn that bulb ON and OFF

- You can also turn the bulbs ON and OFF with voice commands - simply use the command "Alexa, Turn ("bulb name") ON" and that bulb will turn on

- To keep linked devices organized and to simplify your voice commands, it is a good idea to group them based on their location in your home

- On the "Device" page, tap "New Group" in the "Groups" area

- Tap on the "Create rooms, device groups, and large areas" image

- The Alexa App confirms that the ABRA Skill is enabled

- You'll also see a brief overview of some of the features that the Skill provides

- By creating a Group or a Room, your voice command can control not just a single device but an entire room of devices

- Tap "Next"

ABRA and Alexa Skills
Using the Alexa Voice Assistant to Control ABRA Smart Lights

Name the room or device group

Here's a list of common names

Common Names

Bedroom

Living room

Kitchen

Main bedroom

Family room

Dining room

Office ✓

Next

- The Alexa app gives you a list of common room names, or you can easily create custom names

- In this case, select "Office" then tap "Next"

Add devices to Office

Devices Not In Groups

💡 ABRA A191 ☑

💡 ABRA A192 ☑

💡 ABRA BR301 ☑

💡 ABRA BR302 ☑

Skip   Next

- Select all the ABRA bulbs, then tap "Next"

Add Alexa devices to Office

Add an Alexa device to Office so you can use shorter commands like "Alexa, turn on the lights."

Learn more

Available Alexa Devices

📟 Office Echo Dot ☑

Skip   Next
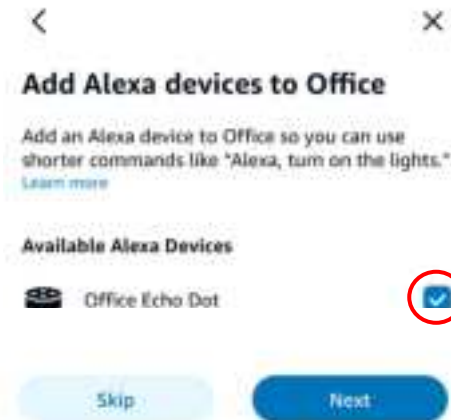
- Select your Amazon Alexa device to add it to the "Office" group

- Tap "Next"

Office is ready

"Alexa, turn on the lights"

These lights will turn on in the Office

💡 ABRA A191

💡 ABRA A192

💡 ABRA BR301

💡 ABRA BR302

Other things you can say to the group

"Alexa, play music in the Office"

- By adding your ABRA bulbs and Echo Dot device to the same group (the Office group), you can now control all ABRA bulbs in the room with a simple single voice command

- Try a few voice commands, like "Alexa, turn the lights ON," "Alexa, turn the lights OFF," "Alexa, dim lights to 50%," "Alexa, turn lights blue," and "Alexa, change lights to soft white"

- To control lights from an Echo device that's not in the same group as the lights, you'll need to specify which room or group the lights are in (e.g., "Alexa, turn kitchen lights OFF")

ABRA and Alexa Skills
Using the Alexa Voice Assistant to Control ABRA Smart Lights
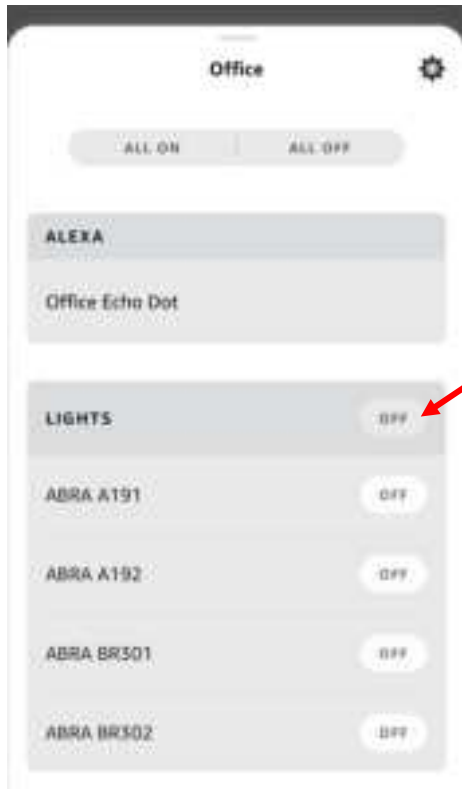
- In addition to voice control, ABRA lights can be turned ON and OFF as a group via the app

- To turn all the lights ON, tap the "OFF" button next to "LIGHTS" to toggle all grouped lights ON and OFF
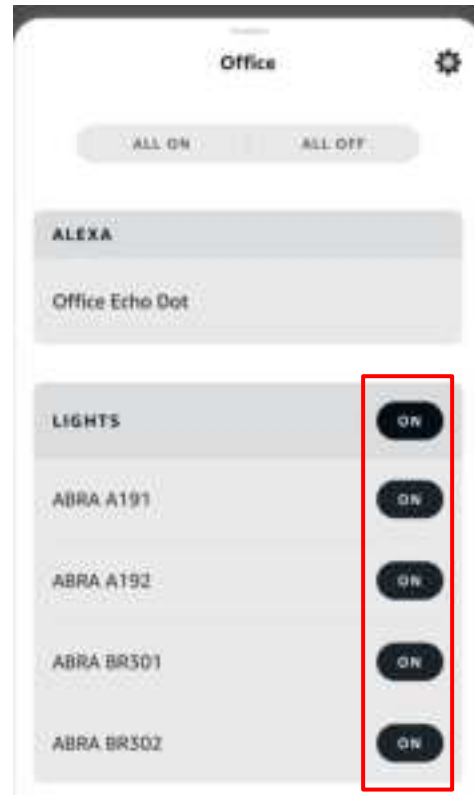
- You will see the status of each ABRA bulb in the Office group change based on the "LIGHTS: ON/OFF" selection
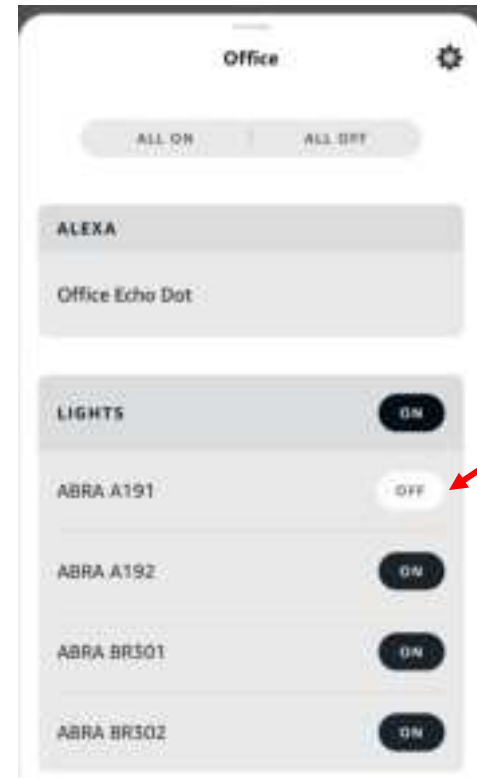
- You can toggle individual ABRA bulbs ON and OFF by tapping on the "ON/OFF" button next to the selected bulb

- Of course, you can also control the ABRA lights via the ABRA app

ABRA and Alexa Skills
Using the Alexa Voice Assistant to Control ABRA Smart Lights

- In addition to controlling individual lights, the Alexa app also allows you to control ABRA Lighting Scenes via voice command

Devices

Suggested Routine
"Alexa, goodnight" can turn off all your lights.

Enable

Groups

New Group

Combine Speakers

Devices

Office Echo Dot
Online

ABRA A191   Off

ABRA A192   Off
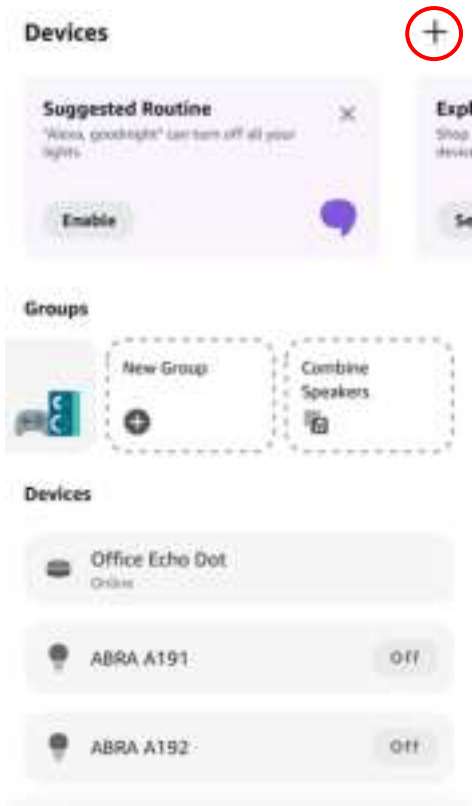
- On the Home Screen or Device Screen, tap the "+" symbol in the upper right corner

---

Add

- Device
- Group
- Smart speaker pair
- Create list
- Reminder
- Routine
- Alarm
- Calendar event
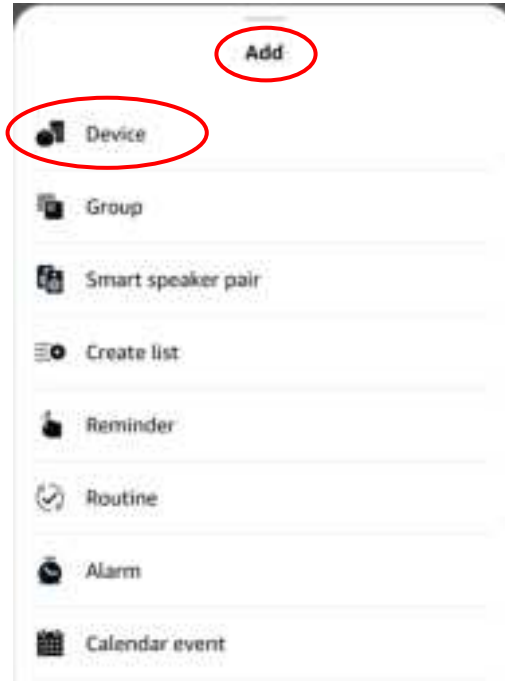
- On the "Add" Screen select "Device"

SETUP

Which device would you like to set up?

Device type or brand

Available Devices

Connect your TP-Link Kasa Smart Plug
See 4 more devices

All Devices

Amazon Echo

Light

- Tap "Light"

Zombber

zoolb
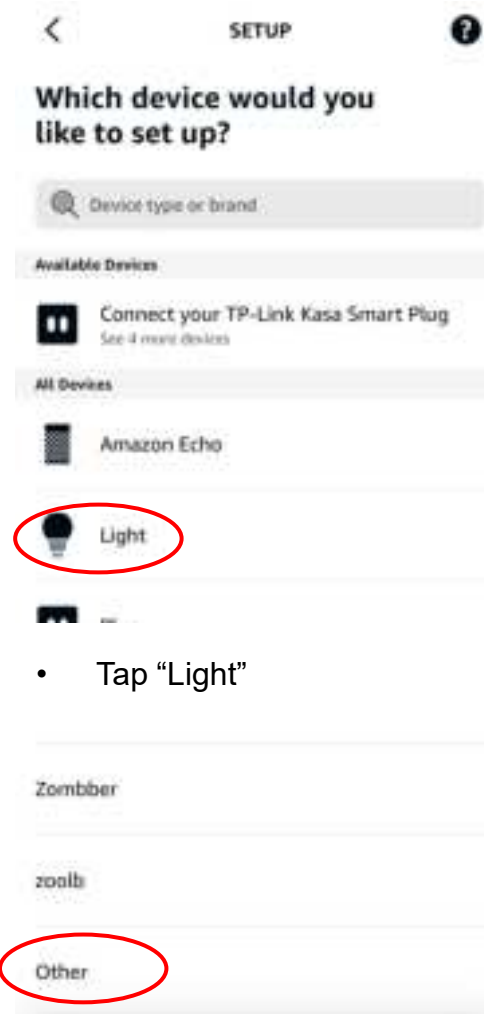
Other

- Scroll to the end of the list and tap "Other"

SETUP

Which logo is on your device?
Look for one of these logos on your device, on the box, or in the quick start guide.

- matter
- Bluetooth
- zigbee
- Wi-Fi
- Z-WAVE
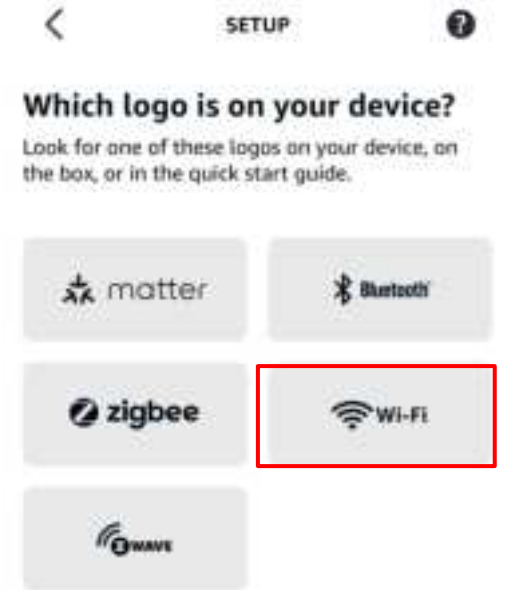
- Since ABRA smart bulbs are Wi-Fi, select the "Wi-Fi" option.

Alexa is looking for devices to connect...
This may take up to a minute

- Alexa will search your network for any new ABRA Wi-Fi bulbs and ABRA Lighting Scenes

ABRA and Alexa Skills
Using the Alexa Voice Assistant to Control ABRA Smart Lights

SETUP

4 scenes discovered
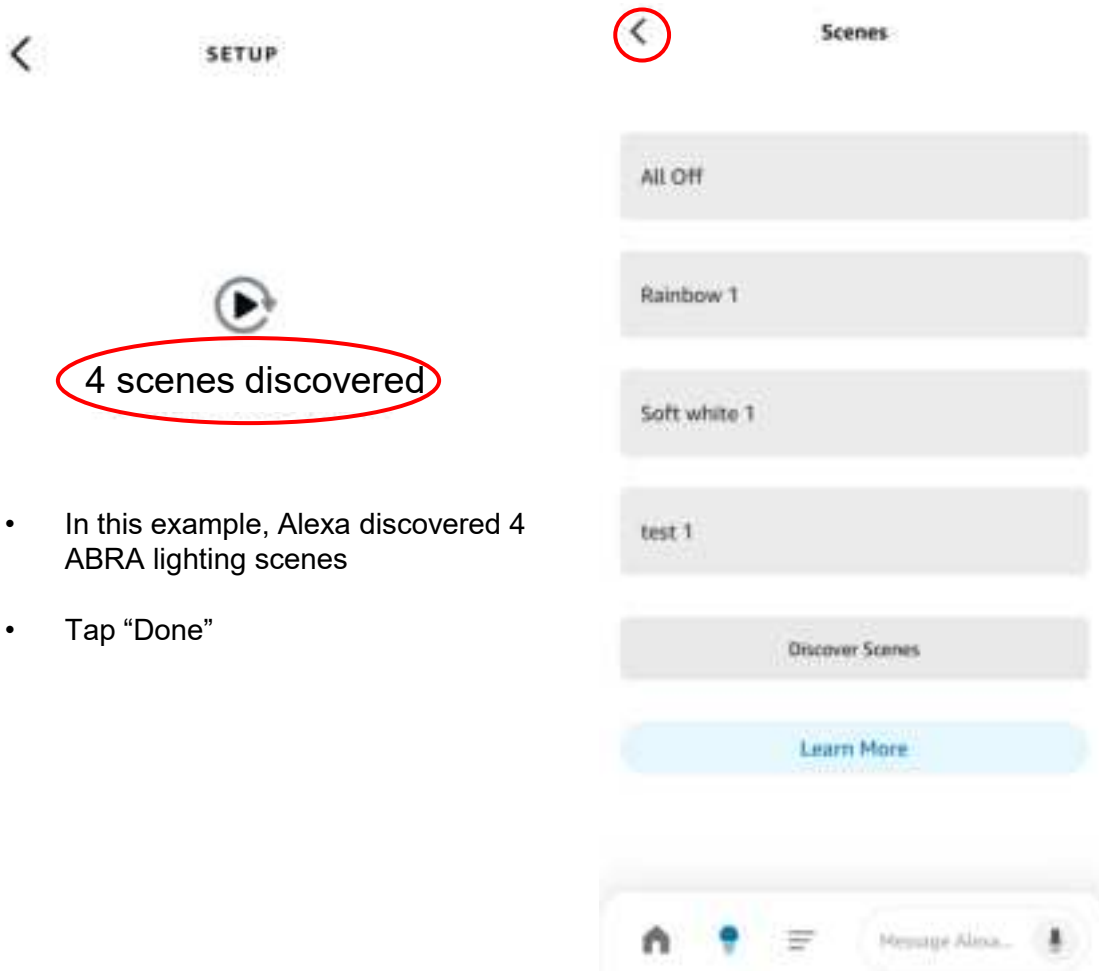
- In this example, Alexa discovered 4 ABRA lighting scenes

- Tap "Done"

Scenes

All Off

Rainbow 1

Soft white 1

test 1

Discover Scenes

Learn More

Message Alexa...

Devices ╋

Device Type ⌄   Sort By ⌄

Alexa on this Phone

Plugs
Shop smart plugs

Cameras
Shop cameras

Thermostats
Shop thermostats

Scenes

View all scenes ❯

Holiday Deals are here
45% Off Echo Show 8 + Smart Bulb

Ready to Run • Run
Office Echo Dot • Amazon Music

Message Alexa...

- To trigger an ABRA lighting scene with your voice, use the phrase "Alexa, turn <'Scene Name'> on" (e.g., "Alexa, turn Rainbow 1 on")

- To change Lighting Scenes, simply indicate the desired scene using the same syntax. (e.g., "Alexa, turn Soft white 1 on" will change the Lighting Scene to the Soft white 1 presets

- Note: There is no Scene OFF command; if you want to turn the lights OFF, simply say, "Alexa, turn lights off."

- For more information concerning Amazon Alexa voice commands for smart lighting and other smart home device control, check out the Amazon Smart Home Forum

- Lighting Scenes appear in a list

- Tap the back arrow to go to the previous screen
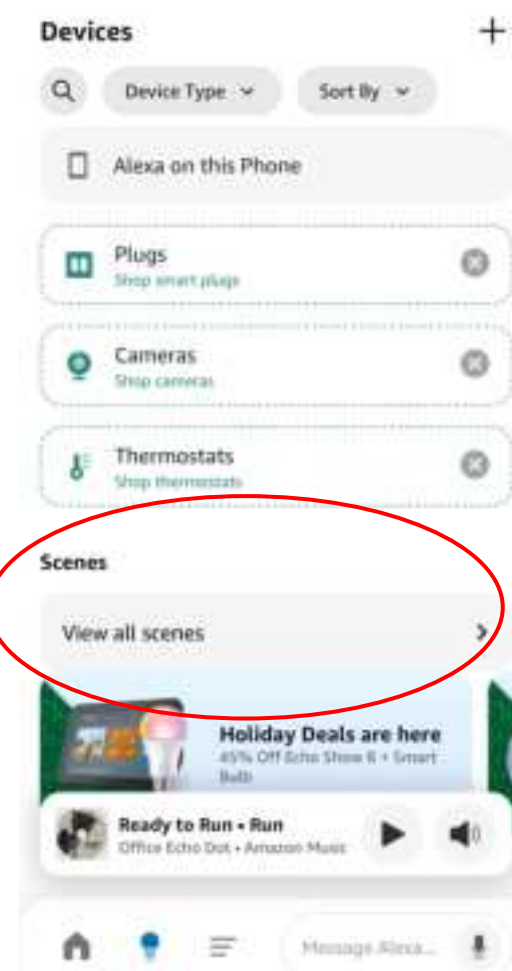
- Lighting Scenes reside on the Device page in the highlighted area above (near the bottom of the screen)

SECTION:
USING ABRA WITH GOOGLE HOME

ABRA and Google Home
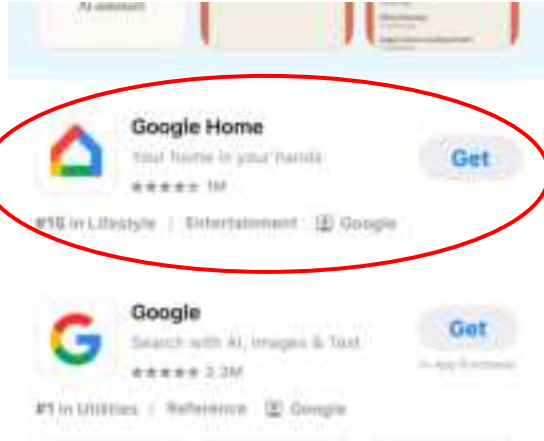
- Download the Google Home app from the App Store or Google Play

- Use your existing Google account log into the Google Home app (or set up a new Google account)
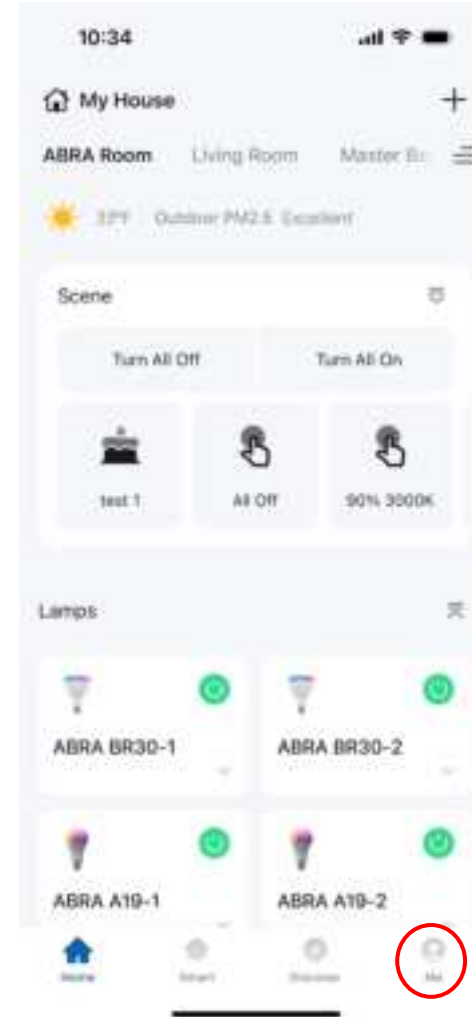
- On the Home Page of your ABRA App, tap on the "Me" icon
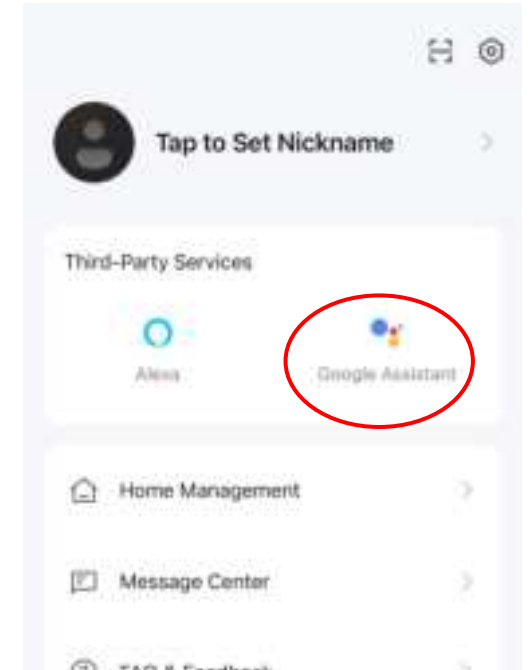
- Under "Third-Party Services" tap the Google Assistant icon

ABRA and Google Home

"ABRA" on "Google"

Not yet linked to this App account, "Google" cannot obtain device status and control permissions.

Link to Google

More ways to link

- Tap "Link to Google"

Link an account to control ABRA on any device

This link will be available on devices or services where you're signed in to your Google Account.

Cancel   Continue

- Tap "Continue"

Intermatic ABRA

Link your Intermatic ABRA account with Google

The App will have the following permissions after authorization.

Devices control permission

Agree and link

Cancel

- Tap "Agree and link" to proceed
- You may be prompted to log into your Google account if you're currently logged out

"ABRA" skill has been linked

"ABRA" on platform "Google" has obtained the device status and control permissions:

Unlink   Re-link

- The ABRA App presents you with this final confirmation screen

ABRA and Google Home
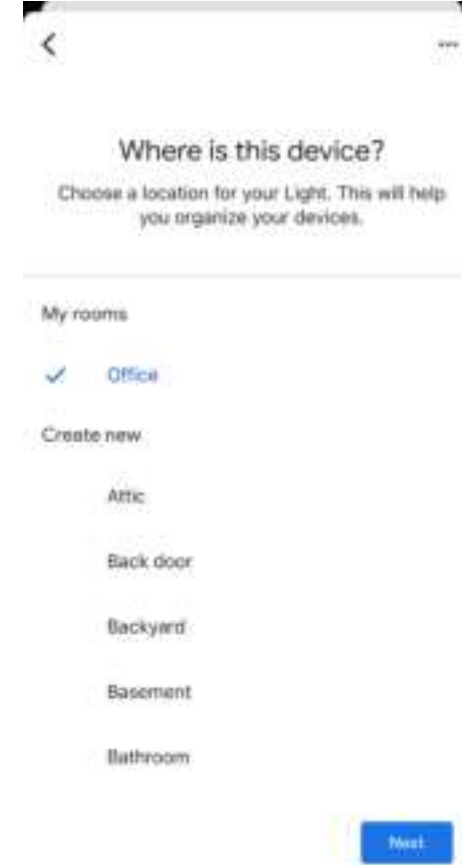
- ABRA devices will automatically appear once accounts are linked

- Devices must be selected individually to assign each device to an appropriate Room or Group

- For this example, select one of the ABRA bulbs, then tap "Next"

- Assign the bulb to a Room (Group) in Google Home - this can be an existing Room or a new Room

- Repeat this process for the remaining devices

- On the "Favorites" screen the ABRA bulbs will appear as a group of 4 lights

- In this example, there is also a Google Hub ("Office Display") on the "Favorites" screen

ABRA and Google Home

Lighting

| All On | All Off |
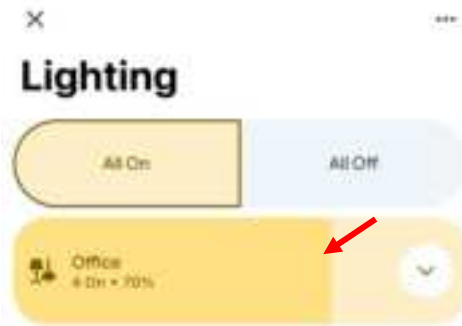
Office
6 On • 70%

- If you tap on the "Office" group, you'll see all the ABRA bulbs in a collapsed list

- The "All On/All Off" status indicator can be toggled to turn all the lights in the group On and Off with a single tap

- You can also slide your finger horizontally to change the brightness of all the lights simultaneously

Lighting

| All On | All Off |

Office
4 On • 70%

ABRA A19-1
On • 70%

ABRA A19-2
On • 70%

ABRA BR30-1
On • 70%

ABRA BR30-2
On • 70%

- Tap the arrow to expand the group to view and control each light independently

Devices

Office

Office lights
Off

Office Display >

+ Add

Favorites Devices Automations Activity Settings

- On the "Devices" screen you'll see the "Office Lights" group and the Google Hub ("Office Display") both listed within the "Office."

Devices

Office

Office lights
Off

Office Display >

- When the ABRA devices and the Google Assistant device (in this case, the Google Hub called "Office Display") are in the same Room/Group, the voice commands are simplified because you don't have to specify a location

- For example, saying "Hey Google, turn the lights on" will turn all the office lights ON without needing to specify "office lights"

- There are many Google Voice commands for lights beyond ON and OFF

- For example, "Hey Google, dim lights to 20%," "Hey Google, change lights to red," "Hey Google, make lights soft white, and "Hey Google, turn lights to 5000K"

ABRA and Google Home

- In addition to controlling individual lights, Google Home can also control Lighting Scenes via voice command

- To execute an ABRA lighting scene via voice in Google Home, say "Hey Google, turn on <'Scene Name'> in the <'Room Name'>"

- In our example, there are 4 ABRA Lighting Scenes linked to Google Home

- Say, "Hey Google, turn on Rainbow 1 in the Office" and the ABRA bulbs will change their color and intensity to match the lighting preset

- Remember, you only have to say the room name if the Google device and the lights are in different groups
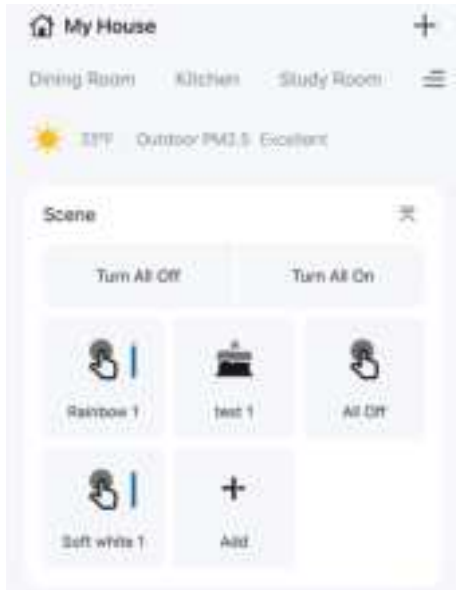
- Quick Tip: If the lighting controls in Google Home ever become unresponsive, you can usually fix it with the simple voice command of "Hey Google, sync my lights"

SECTION:
USING ABRA WITH SIRI SHORTCUTS

ABRA and Siri

- ABRA supports Siri voice commands on Apple devices

- Unlike Google Home and Amazon Alexa, each Siri voice command for ABRA must be created from scratch

- However, the process of creating Siri voice commands for ABRA (e.g., "Hey Siri, turn lights ON") is not difficult

- Select the Intermatic ABRA app
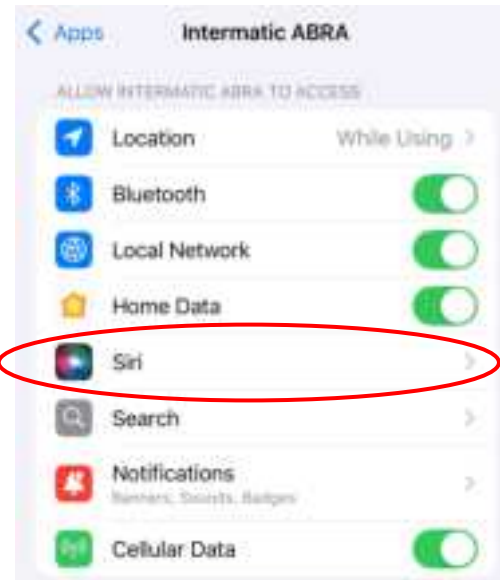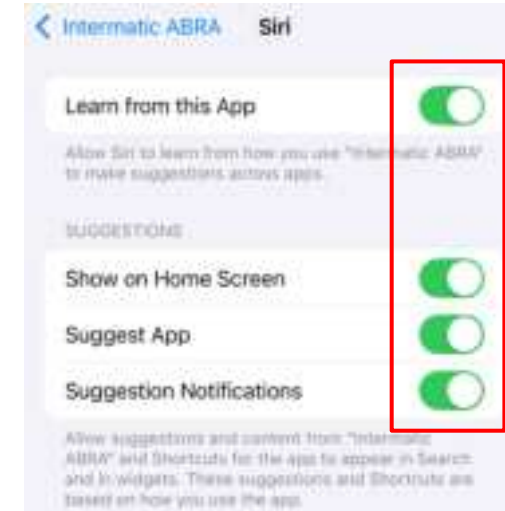
- Allow all permissions for Siri within the ABRA app

- Exit "Settings"

- Start by going to Settings on your iOS device, then scroll down to "Apps"
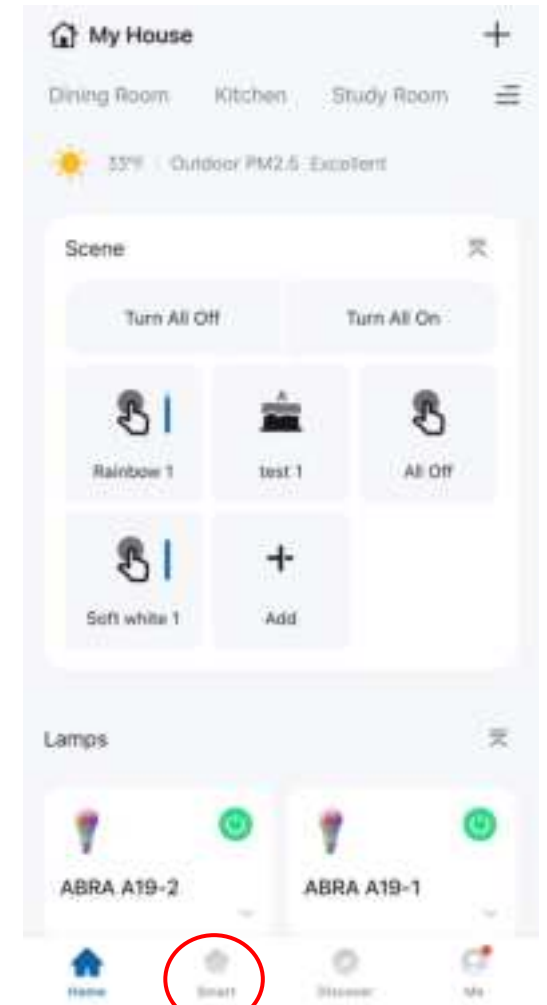
- Select "Siri"

- In the ABRA app, select "Smart"

ABRA and Siri
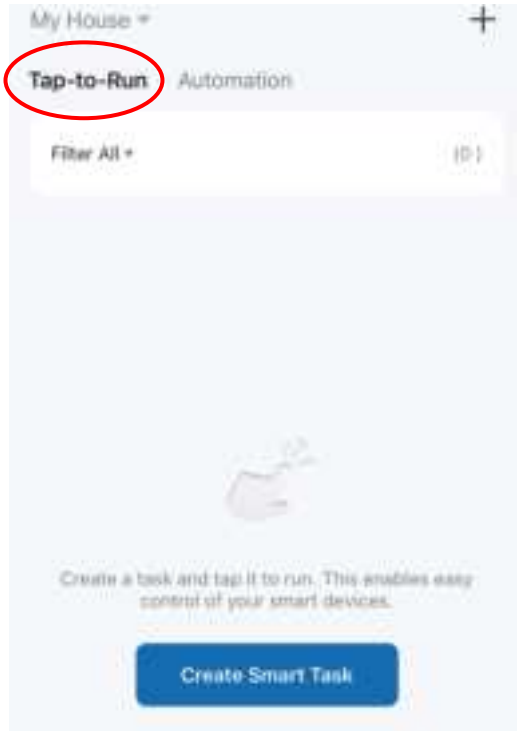
- Select "Tap-to-Run, then tap "Create Smart Task"
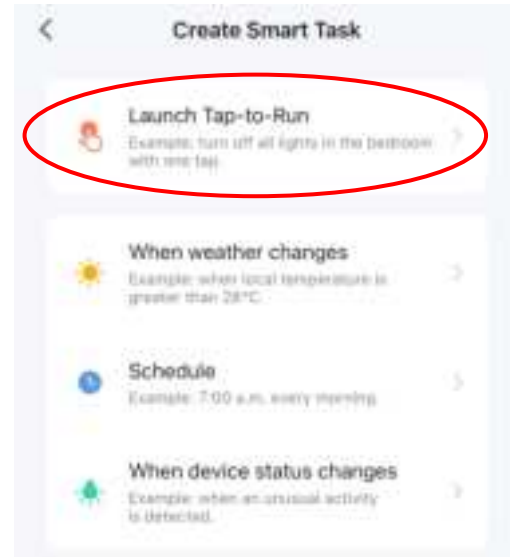
- Select "Launch Tap-to-Run"
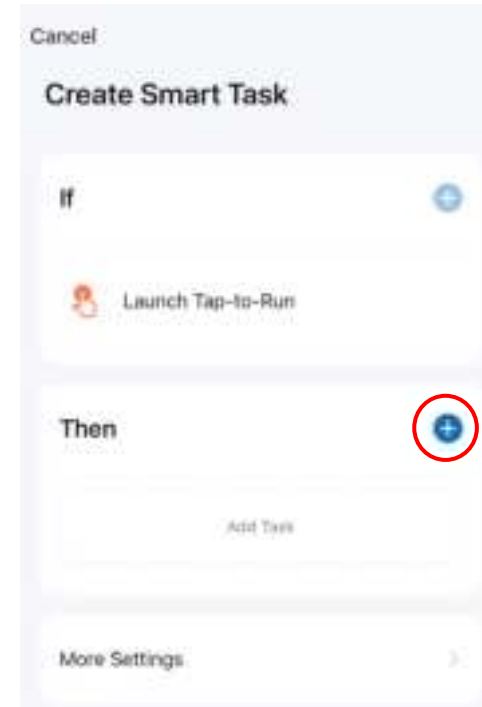
- Select the "+" symbol next to "Then" to define the task
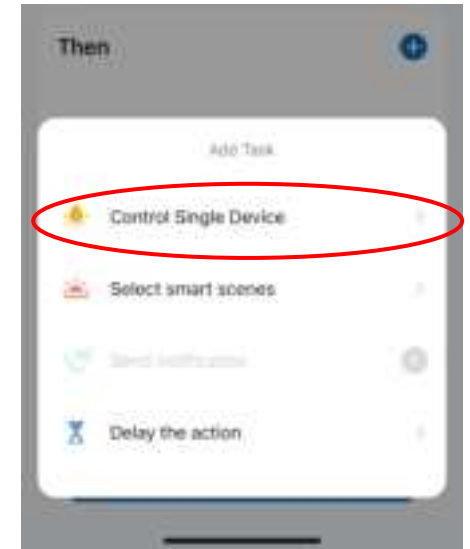
- A sub-menu appears with several options

- Here you can define a task that controls a single device or a task that triggers a smart scene

- In this example we'll select "Control Single Device"

ABRA and Siri
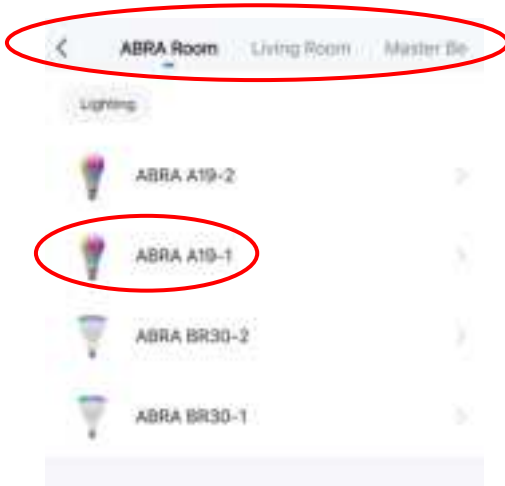
- Scroll horizontally to find the desired Room

- The devices in each Room appear in the list

- In this example, we'll select the "ABRA A19-1" bulb

- There are 3 functions for this device: ON/OFF, CCT Value (tunable white color) and the RGB Color

- For this example we'll select ON/OFF: "ON"

- Tap "Save," then "Next" at the top of the screen

- The Smart Task itself is saved, but you will still need to give it a name

- This is a critical step because Siri will use that name as the voice command

- For this example, let's call the Scene "Table Lamp On"
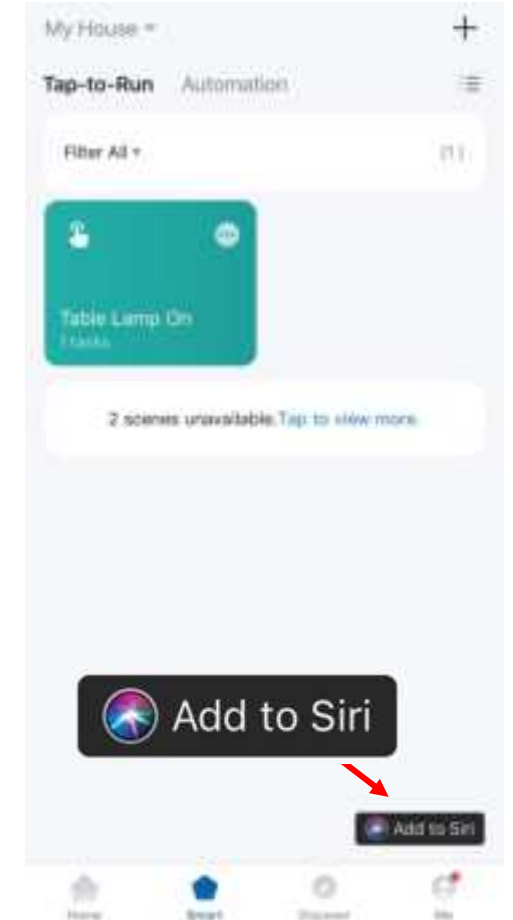
- The "Table Lamp On" scene is now saved on the Smart: Tap-to-Run page

- Tap the "Add to Siri" button to save the new Siri voice command

ABRA and Siri

- "Table Lamp On" is added to the Siri Shortcut List

- Tap on the "+" symbol next to the shortcut to edit the Siri command if needed

- Once you've saved your Siri voice commands to the Siri Shortcut List, you can use Siri at any time to activate a lighting scene or a particular function for any of your ABRA devices

- To adjust the shortcut phrase, simply tap "Change Voice Phrase"

- You can simply say the new phrase into your device and Siri will automatically turn the phrase into the new Siri voice command

Using ABRA Sensor Input to Trigger Lighting Scenes

- As described earlier, the ABRA Motion and Brightness Sensor continually monitors a Space for human activity (motion) and light levels

- This helps reduce energy waste and optimize natural light within a given Room or Space

- The ABRA Lighting System makes it simple to conserve energy by combining real-time Sensor data with "Smart Automation"
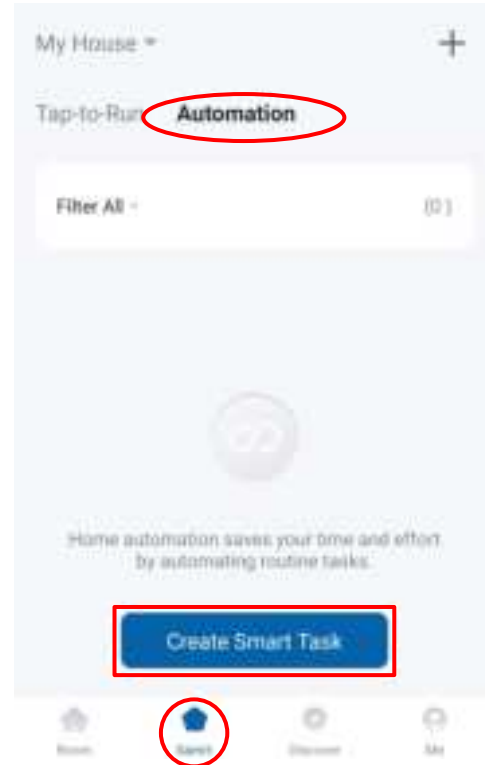
- Go to the Smart screen

- Tap the "Automation" tab at the top of the screen, then tap "Create Smart Task"

- A "Smart Task" creates the framework for an "If-Then" scenario… If "Condition A" is met, then "Behavior B" is triggered
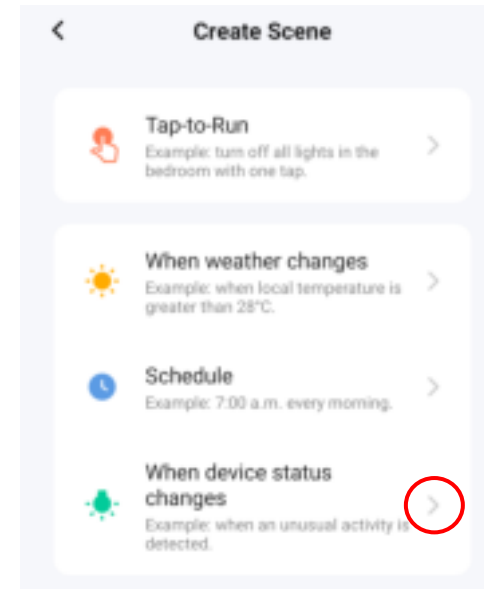
- There are four types of "Smart Tasks" (or "Smart Scenes") available

- For the ABRA Sensor, select the ">" symbol next to "When device status changes"
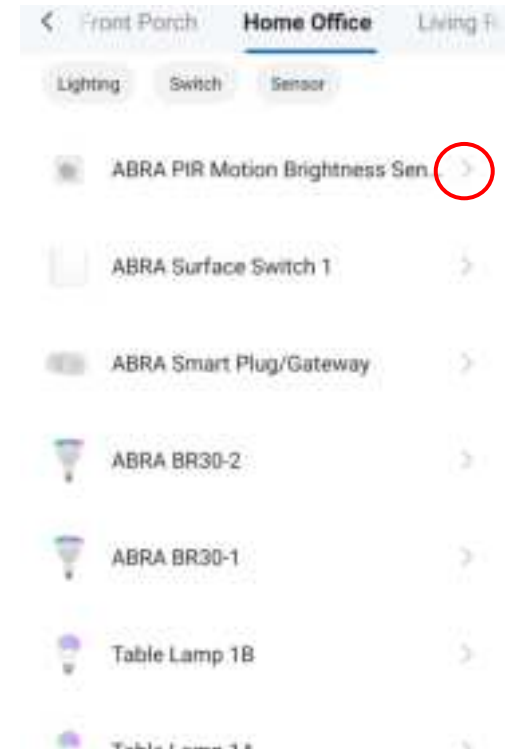
- Select the ABRA Sensor in the list

Using ABRA Sensor Input to Trigger Lighting Scenes
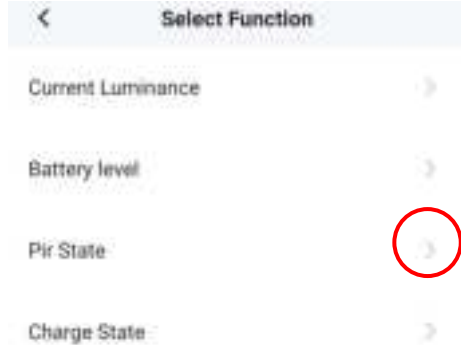
- Select "PIR State" to tie the Smart Task to room occupancy or vacancy

- Select "'No one' Duration" to turn lights OFF when a Room is vacant for a pre-determined length of time

- This is different than the "Motion Detector" duration, which keeps the lights ON for a pre-determined duration after motion is detected (i.e., when someone enters a room)
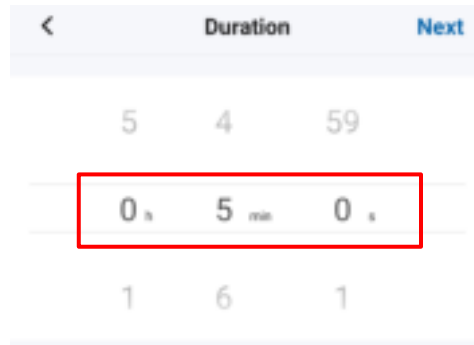
- Select a Duration

- In this example, the Duration is set for 5 minutes
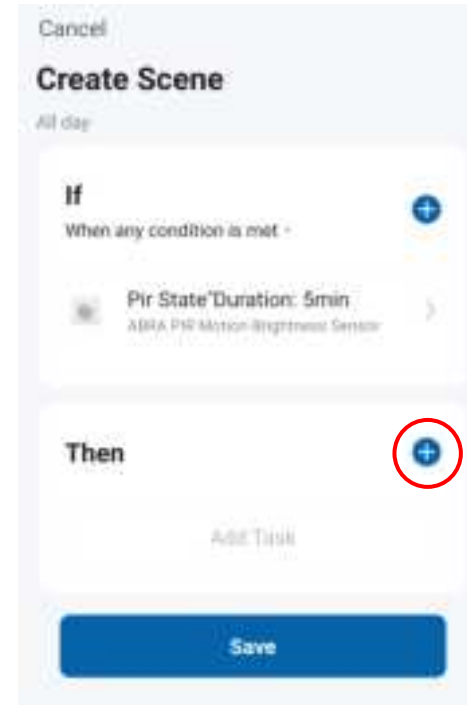
- You've just created the "If" part of the "If-Then" scenario… "If the ABRA Motion and Brightness Sensor detects 5 minutes of vacancy…"

- You can now define the "Then" portion of the function by tapping the "+" symbol next to "Then"
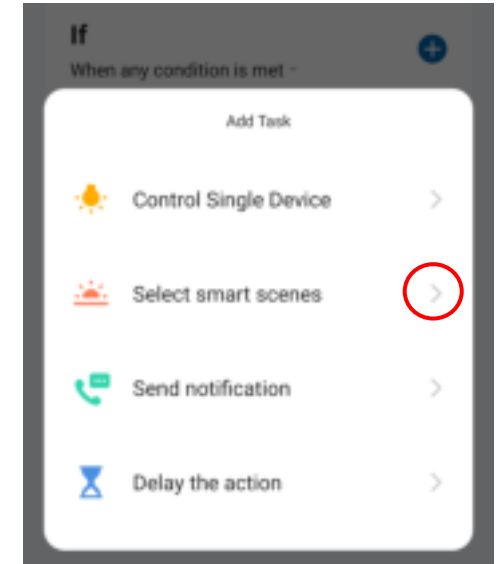
- Select "Smart Scenes"

- Then select "Launch Lighting Scene"

Using ABRA Sensor Input to Trigger Lighting Scenes
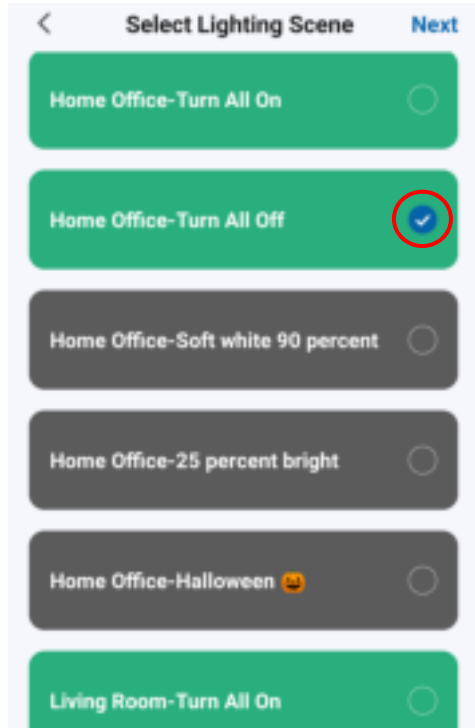
- You'll see the Lighting Scenes you've created, along with the standard "All On" and "All Off" scenes

- Select "Home Office-Turn All Off"
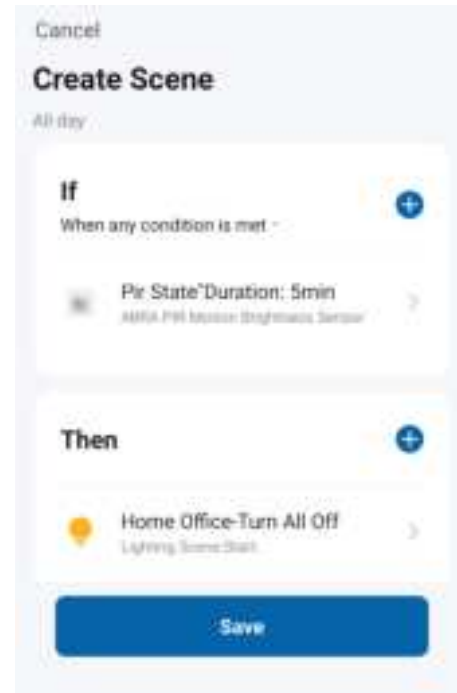
- You've just completed the simple "If-Then" scenario by defining what happens when the first condition is met

- When the Home Office is vacant for 5 minutes, all the lights in the room will turn off"

- Tap "Save," and the system prompts you to start using the Smart Automation immediately (tap "Yes")
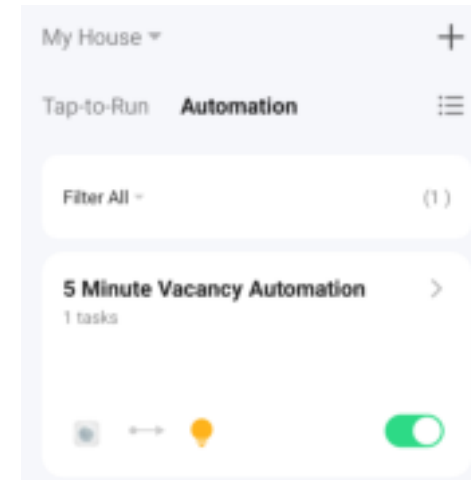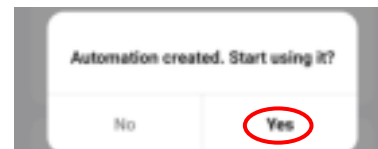
- Name the Automation "5 Minute Vacancy Automation" and it will be saved in your list of Automations and Smart Tasks

- To test the Automation, turn the "Home Office" lights ON

- Cover the ABRA Sensor with an opaque cloth or cup or to simulate room vacancy

- After 5 minutes of no motion reported by the Sensor, the Automation will trigger the "All Off" scene and all the room lights should turn OFF

- Next, let's create an Automation to dim the lights when there is sufficient natural sunlight streaming into the space
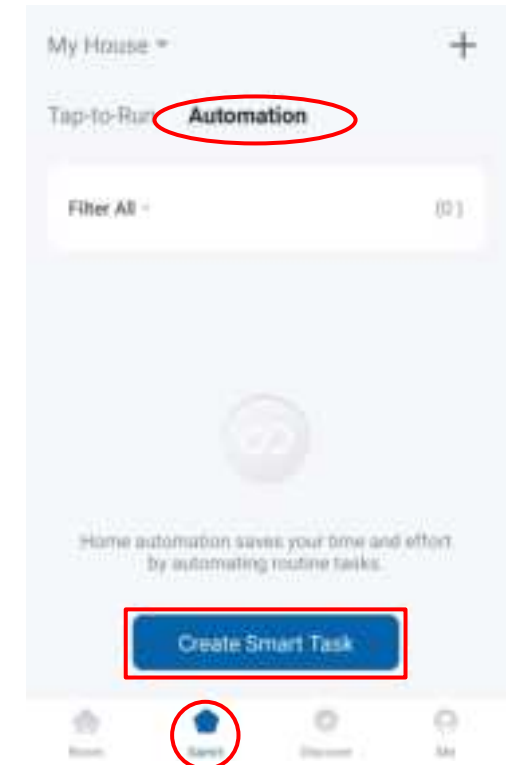
- Repeat the steps to create the previous Smart Task

Using ABRA Sensor Input to Trigger Lighting Scenes

Select Function

- Current Luminance
- Battery level
- Pir State
- Charge State
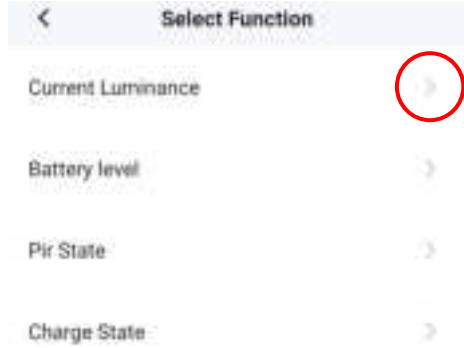
- Next, select "Current Luminance" to tie the Smart Task to the ambient light level in the Room

Current Luminance — Next

0 lux

0lux — 10000lux

- Enter a value in lux, the global standard for measuring light intensity

- The value will depend on the location of the sensor in the room and the overall light level goal

- It is generally good practice to install the Sensor close to the natural light source (e.g., skylight, window) and not directly under a ceiling fixture or lamp

- To start, position the Sensor near the natural light source and turn the room lights OFF, then Monitor the lux reading of the sensor on a bright, sunny day

- Let's say the reading is in the 225-250 lux range, and the lighting level is comfortable

Current Luminance — Next
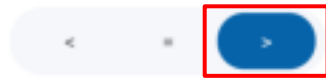
200 lux

0lux — 10000lux

- In that case, set the lux value in the "Current Luminance" field to "greater than" 200 and tap "Next"

Create Scene

All day

If
When any condition is met

ABRA PIR Motion Brightness Sensor
Current Luminance >200lux

Then

Add Task

Save
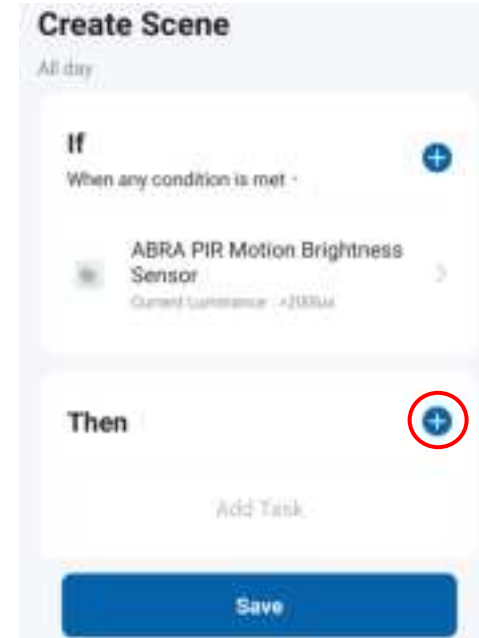
- You've just created the "If" part of a new "If-Then" scenario… "If the ABRA Motion and Brightness Sensor detects more than 200 lux of natural light…"

- Again, define the "Then" portion by tapping the "+" symbol next to "Then"
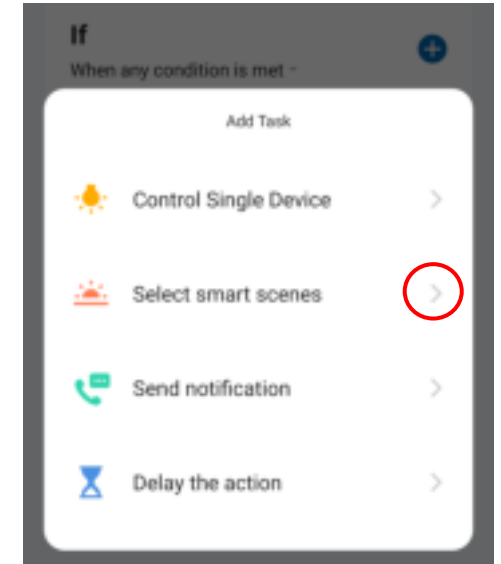
If
When any condition is met

Add Task

- Control Single Device
- Select smart scenes
- Send notification
- Delay the action

- Select "Smart Scenes"

Select smart scenes

- Select Tap-to-Run
- Select Automation
- Launch Lighting Scene

- Select "Launch Lighting Scene"

Using ABRA Sensor Input to Trigger Lighting Scenes

Select Lighting Scene — Next

Home Office-Turn All Off

Home Office-Soft white 90 percent

Home Office-25 percent bright ✓
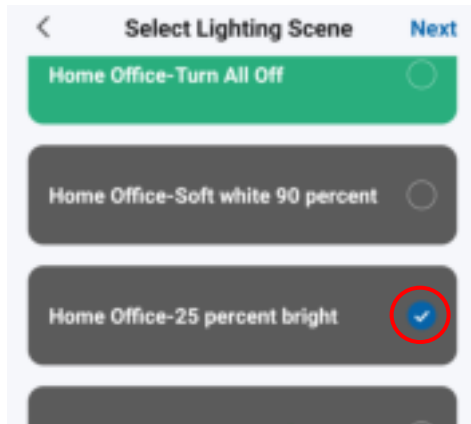
- Select the "Home Office-25 percent bright," which you previously created

Cancel

Create Scene

All day

If
When any condition is met

ABRA PIR Motion Brightness Sensor
Current Luminance >200lux

Then

Home Office-25 percent bright
Lighting Scene Start
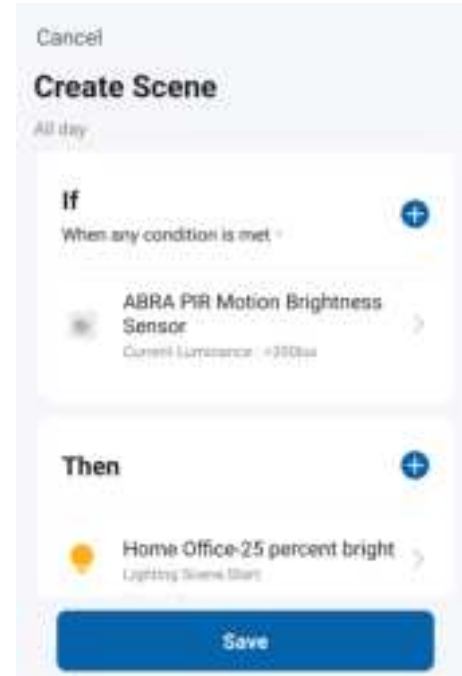
Save

- You've just completed another "If-Then" scenario by defining what happens when the first condition is met

- "When "Home Office" has sufficient natural sunlight (defined as more than 200 lux), dim all the lights to 25%"

- Tap "Save," and the system prompts you to start using the Smart Automation immediately (tap "Yes")

Automation created. Start using it?

No   Yes

My House ▾   +

Tap-to-Run   **Automation**

Filter All ▾   (2)

200+ lux Automation
1 tasks

5 Minute Vacancy Automation
1 tasks

Room   Smart   Discover   Me
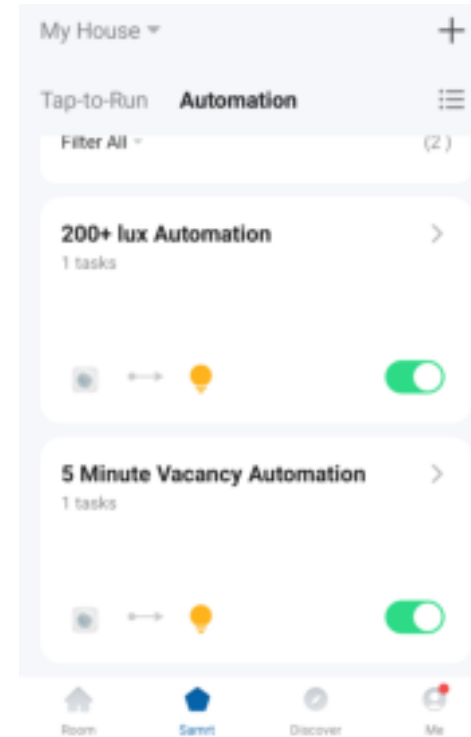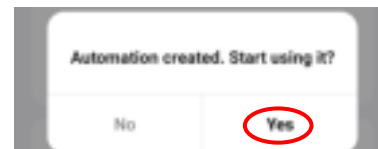
- Name the Automation "200+ lux Automation" and it will be saved in your list of Automations and Smart Tasks

- To test the Automation, turn "Home Office" lights ON at 100%

Photosensor

- Shine a bright flashlight at the photosensor

- When the photosensor detects a reading from the flashlight greater than 200 lux, it will trigger the lights to dim down to 25%

SECTION: ALEXA + SURFACE SWITCH INTEGRATION FOR 3RD PARTY LIGHTING CONTROL

INTERMATIC

Alexa + Surface Switch Integration for 3rd Party Lighting Control

- Once you've paired your ABRA Smart Plug/Gateway and Surface Switch with your ABRA app and linked your ABRA account to your Amazon Alexa account, you can do some amazing things with your switch

- You can now program your ABRA Surface Switch to control your Alexa-compatible smart bulbs, smart plugs, or other smart home devices… it's like having a universal switch for all your Alexa-connected lights

- Before you begin, make sure that all your smart home products are already linked to your Alexa account. If you're already controlling them with Alexa voice commands, they are linked.

- If you use another voice assistant platform like Google Home or Siri, don't worry! You can continue to use those platforms while enjoying the advantages of the ABRA Surface Switch integration with the Alexa app
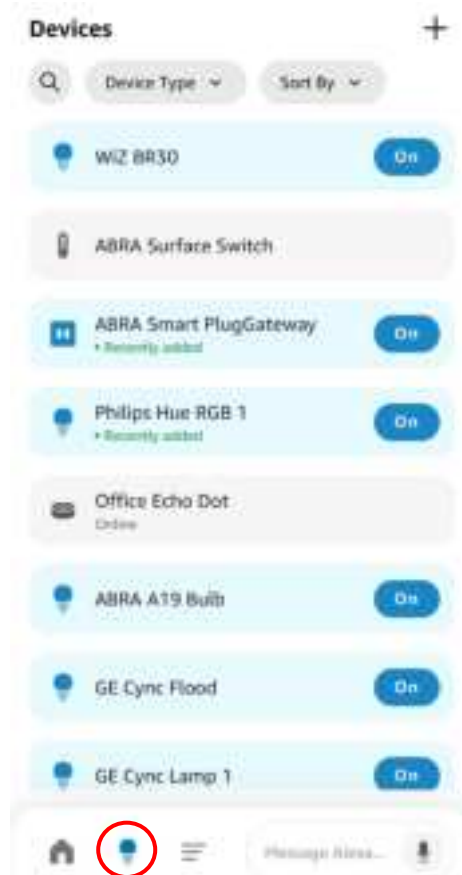
- In the Alexa app, tap the Device Screen (lightbulb icon) to see all the smart products linked to your Alexa account

- In this example we can see the ABRA Surface Switch and Plug/Gateway, an ABRA A19 bulb, plus smart bulbs from WiZ, Philips Hue, and GE Cync. There is also a Kasa smart plug in the list.

- To keep your smart home organized, Alexa lets you group your smart home devices by rooms

- For this example, we tapped the "+" in the upper right to add a Group called Family Room

- Tap the Family Room tile to add devices to it

- Tap the gear icon to select the devices to add to the Family Room
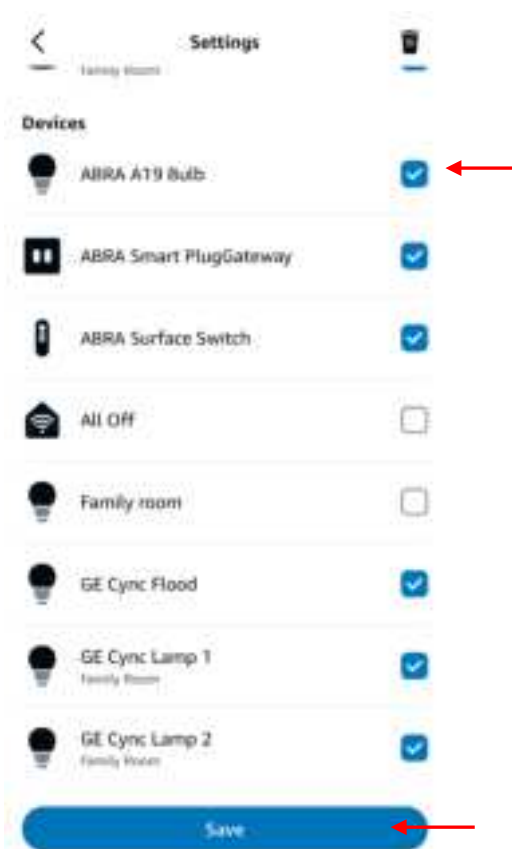
- Select each device you'd like to add, then tap "Save"

Alexa + Surface Switch Integration for 3rd Party Lighting Control

Family Room ⚙

| ALL ON | ALL OFF |

ALEXA

Office Echo Dot

LIGHTS `ON`

ABRA A19 Bulb `ON`

GE Cync Flood `ON`

GE Cync Lamp 1 `ON`

GE Cync Lamp 2 `ON`

Philips Hue RGB 1 `ON`
• New Device

WiZ BR30 `ON`
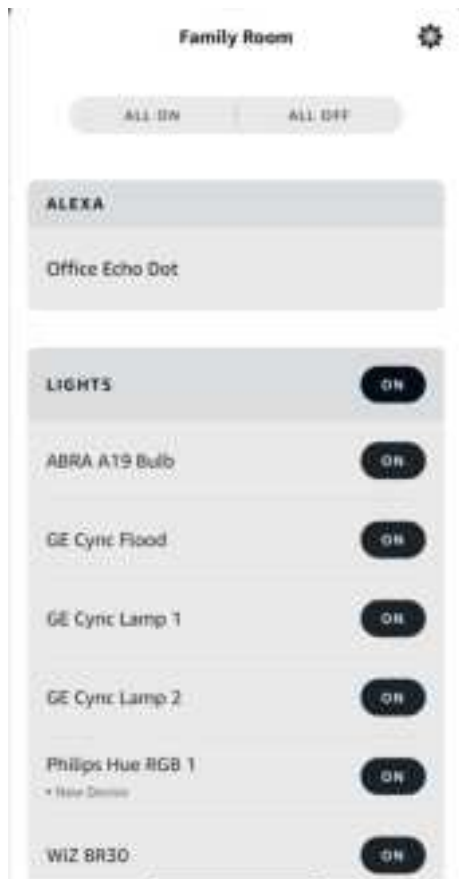
- The selected devices now appear in the Family Room group

Devices +

🔍 (Device Type ⌄) (Sort By ⌄)

💡 WiZ BR30 `On`

→ 🔋 ABRA Surface Switch

▦ ABRA Smart PlugGateway `On`
• Recently Added
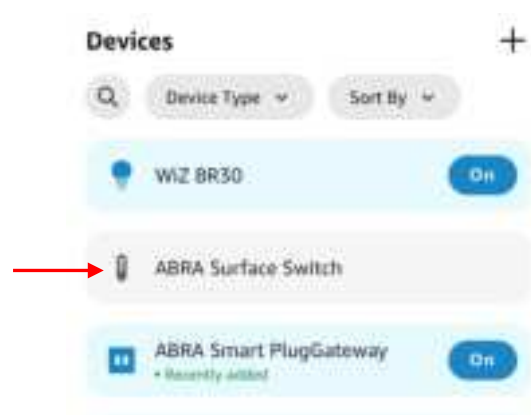
- Let's program the Surface Switch to control all the lights in the Family Room

- Go back to the Device Screen and tap on the Surface Switch listing

< Settings 🗑

ABRA Surface Switch
Edit Name

Button Actions

→ New button action ›
Create a routine for this remote

Manage button actions ›
Change routines for this remote

About

Connected Via
ABRA

Description
ABRA Smart Wireless Switch

- Tap "New button action"

Cancel **New Routine**

Button Press Routine Rename

WHEN

→ ◎ Button is pressed 🔵
Choose Button

ALEXA WILL
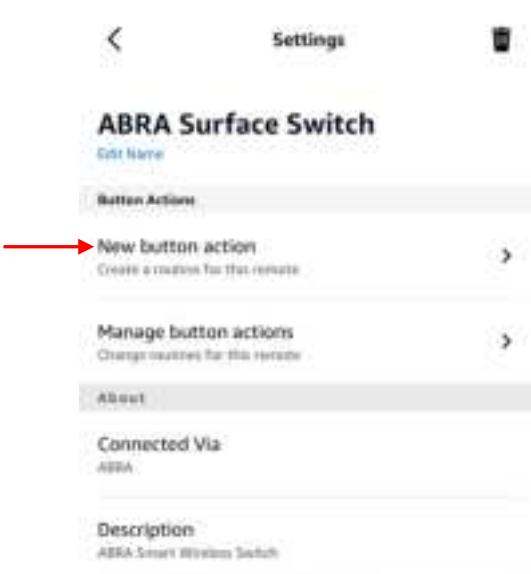
Add an action ⊕

- The first step is to define the type of button press, so tap on "Button is pressed" tile

← When this happens

Select An Event

🗨 Voice

🕐 Schedule

→ 📶 Smart Home

📍 Location

🔔 Alarms

- Select "Smart Home"

< Choose Device

→ 🔋 ABRA Surface Switch

💡 GE Cync Flood

💡 GE Cync Lamp 1

💡 GE Cync Lamp 2
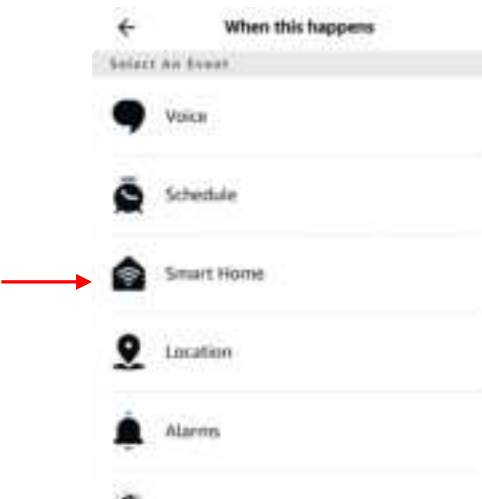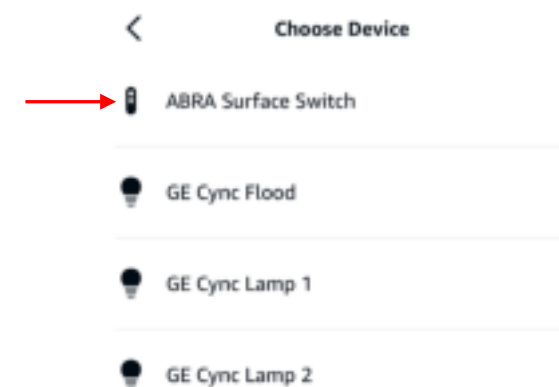
- Confirm the device by tapping on the ABRA Surface Switch listing

Alexa + Surface Switch Integration for 3ʳᵈ Party Lighting Control

ABRA Surface Switch — Next

Event
- Button 1 Single Press ⟵ ●
- Button 1 Double Press
- Button 1 Long Press
- Button 2 Single Press
- Button 2 Double Press
- Button 2 Long Press
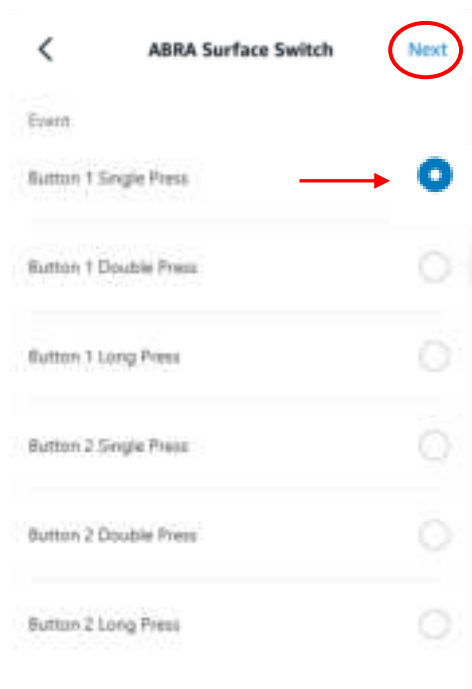
- There are 3 types of button presses for each button: Single Press, Double Press, and Long Press

- Select the type of button press you'd like to define; in this case, Button 1 Single Press

Cancel **New Routine**

Button Press Routine Rename

WHEN

ABRA Surface Switch: Direction, Button 1 Single Press ⊖

Anytime Change

ALEXA WILL

Add an action ⟵ ⊕

- Next, add an "action" to the button press to define what happens when the button is pressed

Add New

- Custom — For more actions, type in what you would ask Alexa to do
- Smart Home ⟵
- Alexa Says
- Announcement
- Audible
- Calendar
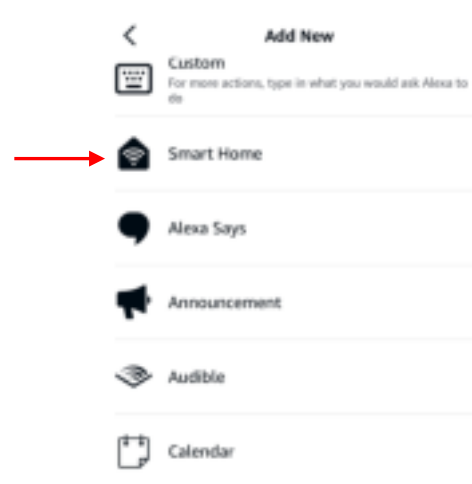
- Again, select "Smart Home" to define the connected devices or groups that you'd like to control with the button press

Smart Home

- Groups ⟵
- Scenes
- Plugs
- Lights
- All Devices

- Select "Groups"

Select Group

Available
- Family Room ⟵

- Select the "Family Room" group

Family Room Next

Select All
- Lights ⟵ ✓
- Plugs

- Select "Lights"

Family Room Lights Next

- ☐ Power
- ☐ Brightness
- ☐ Set color
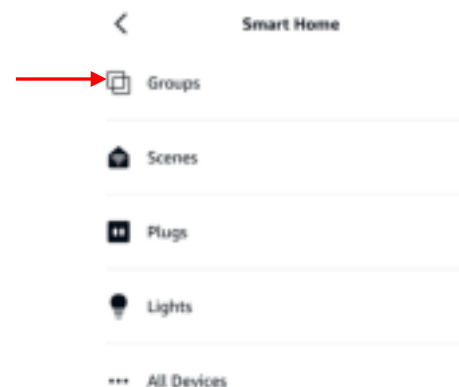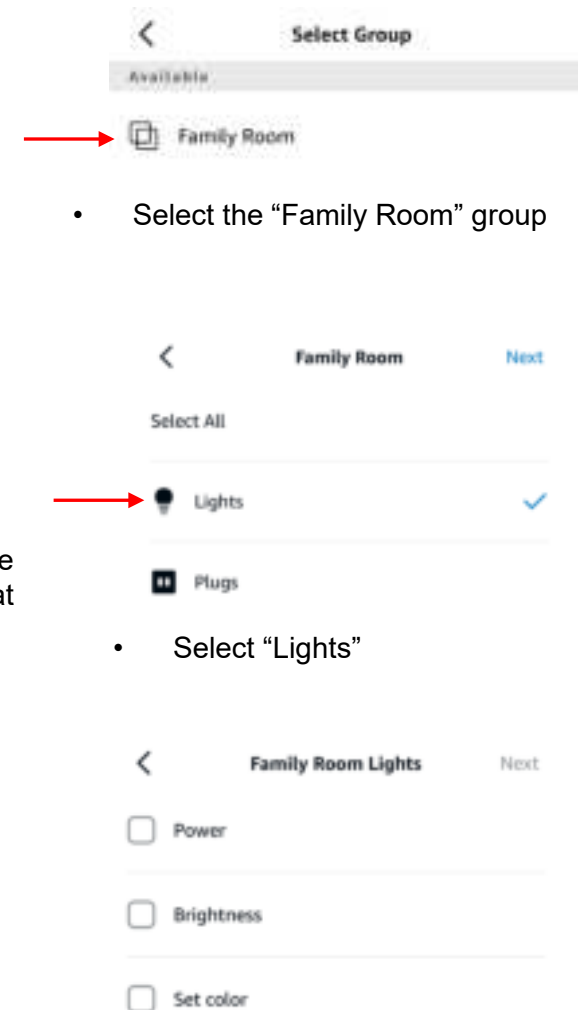
- Next, set all the parameters for the Family Room lights

- Because they're all grouped, the lights will be treated as a single entity vs. individual bulbs

Alexa + Surface Switch Integration for 3ʳᵈ Party Lighting Control
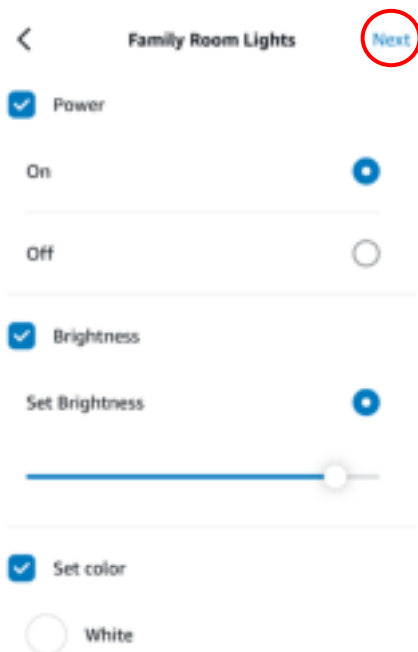
- Set the parameters for the Power, Brightness, and Color of the lights by tapping the selection buttons and slider

- In this example we're setting the lights to turn ON, with a brightness of 90, and the color is white

- Tap "Next" when done
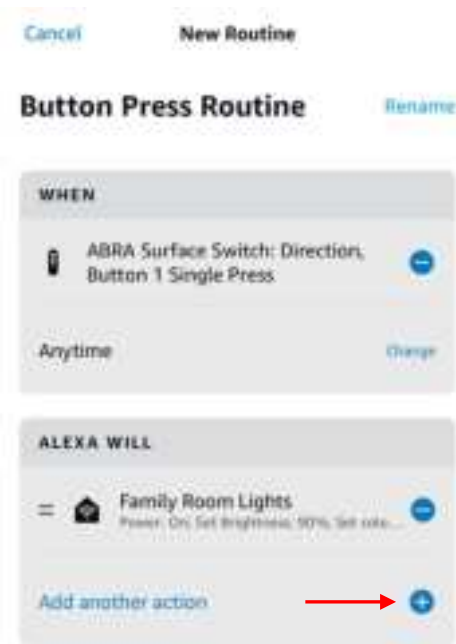
- By defining the "When" (the type of button press) and the Alexa action (the result of the button press), you've essentially created an Alexa button press routine

- If desired, you can add more actions to the routine (like turning on a smart plug) by tapping "Add another action"

- When done, tap "Save"
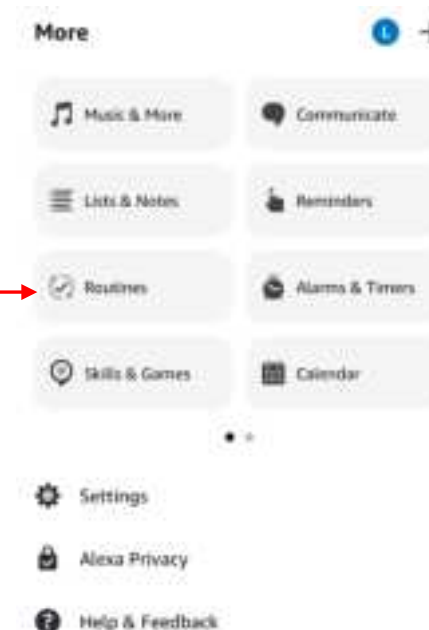
- Your custom Smart Switch button routines can be found on the "More" page

- Tap the "Routines" tile
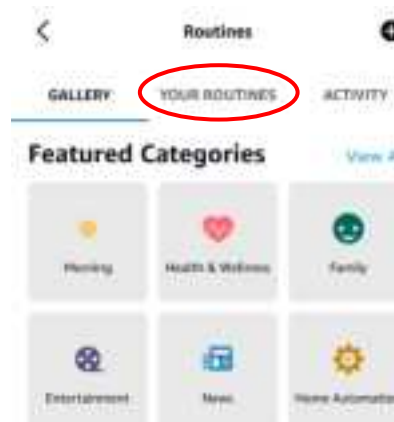
- Tap the "Your Routines" tab

- You can edit or rename your Button Press Routines at any time by tapping on it in the list, then changing the settings and re-saving

- As you add Surface Switches and routines, it is a good idea to rename them based on their room location or function, to make it easier to differentiate between the customizations you create

Alexa + Surface Switch Integration for 3rd Party Lighting Control

Devices

- WiZ BR30 — On
- ABRA Surface Switch
- ABRA Smart PlugGateway — On
  • Recently added
- Philips Hue RGB 1 — On
  • Recently added
- Office Echo Dot
  Online
- ABRA A19 Bulb — On
- GE Cync Flood — On
- GE Cync Lamp 1 — On
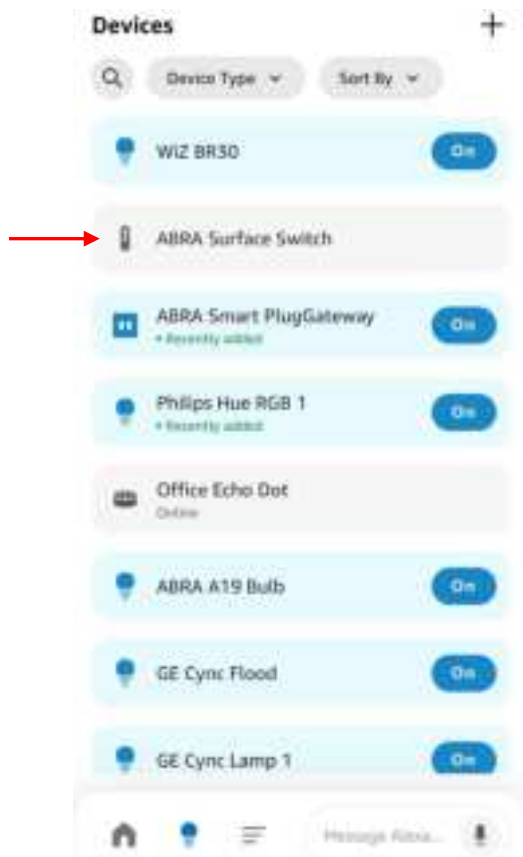
- • Let's repeat the process, but this time we'll create a Button Press routine to turn the Family Room lights OFF

- • On the Device page, select the ABRA Surface Switch again

Settings

ABRA Surface Switch
Edit Name

Button Actions

New button action
Create a routine for this remote
>

Manage button actions
Change routines for this remote
>

About

Connected Via
ABRA

Description
ABRA Smart Wireless Switch

- • Tap "New button action"

New Routine

Button Press Routine   Rename

WHEN

⊚ Button is pressed
Choose Button

ALEXA WILL

Add an action ⊕

- • Tap "Button is pressed" tile

Choose Device

- ABRA Surface Switch
- GE Cync Flood
- GE Cync Lamp 1
- GE Cync Lamp 2

- • Select the ABRA Surface Switch listing

Button 2 Single Press ◉

Button 2 Double Press ◯

Button 2 Long Press ◯
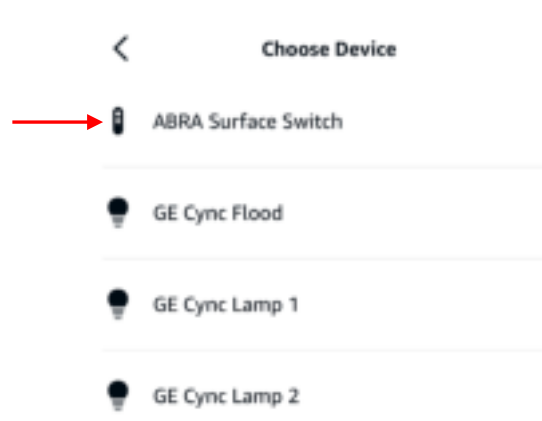
- • Select "Button 2 Single Press," then tap "Next"

New Routine   Cancel

Button Press Routine 2   Rename

WHEN

ABRA Surface Switch: Direction, Button 2 Single Press ⊖

Anytime   Change

ALEXA WILL
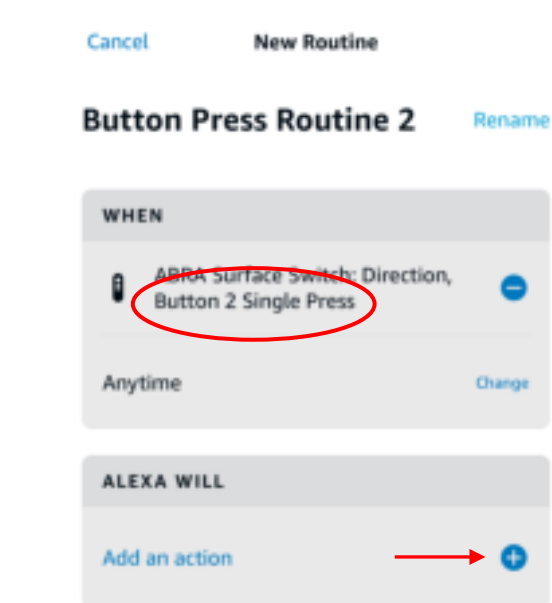
Add an action ⊕

- • Now we're defining what happens when you single press Button 2 on the Surface Switch

- • Tap "Add an action"

Add New

⌨ Custom
For more actions, type in what you would ask Alexa to

☁ Smart Home

- • Select "Smart Home"

Alexa + Surface Switch Integration for 3ʳᵈ Party Lighting Control
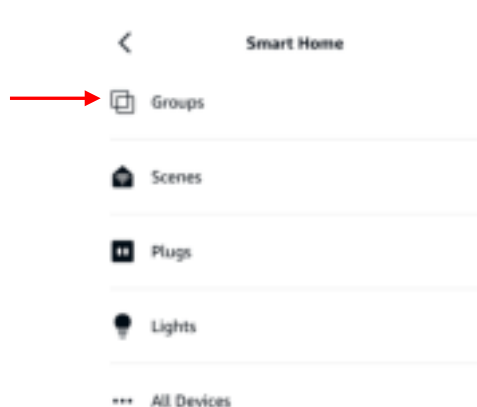
- Select "Groups"

- Select the "Family Room" group

- Select "Lights," then "Next"

- This time, select "Power > Off," then "Next"

- Routine is defined above
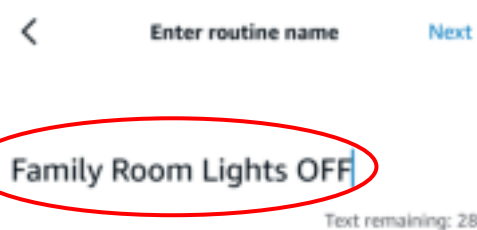
- We'll select "Rename" to change the name of this routine to "Family Room Lights OFF," then "Next"

- Tap "Save" to save the routine with the new name
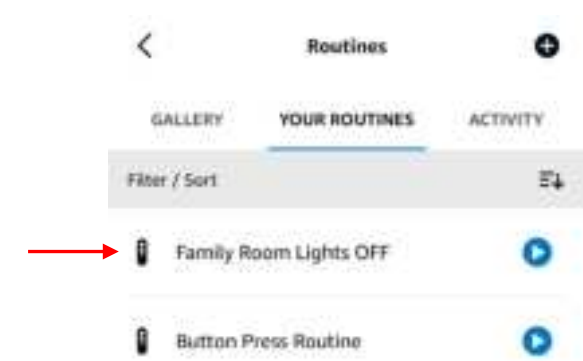
- The new Button Press routine can be found in the "Routines > Your Routines" tab on the "More" page

- Now, when you press the bottom button of the switch, the Family Room lights will turn off

Alexa + Surface Switch Integration: Triggering Scenes

- In most cases, lighting scenes created in 3rd party apps can be linked to the Alexa app and triggered by the ABRA Surface Switch

- Let's program the Surface Switch to turn on dynamic lighting scenes from Philips Hue and GE Cync

- Most lighting apps allow you to create lighting scenes or select scenes from a library, as shown in the Philips Hue and GE Cync apps above

Devices

- GE Cync Lamp 2 — Off
- Alexa on this Phone
- Cameras — Shop cameras
- Thermostats — Shop thermostats

Scenes

- View all scenes

Shop Deals — Explore device deals now
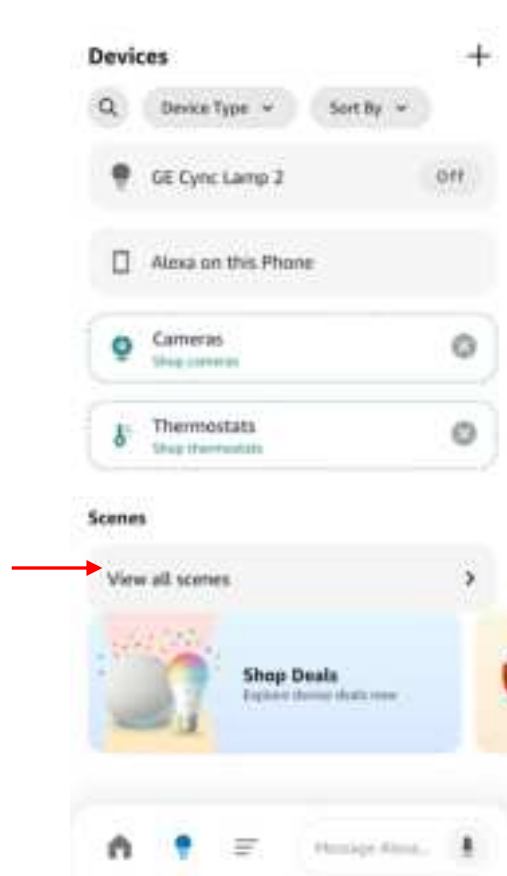
- As you create, modify, and save these scenes in each "native" lighting app, they will appear in the Alexa app in the "Scenes" area below the "Device List" on the Devices page

- Tap "View all scenes"

Scenes

- Dynamic Rainbow
- Easter Egg
- Feeling Blue Scene in Hue Home Office
- Fireplace
- Halloween
- Las Vegas
- Malibu pink in Hue Home Office

- The scenes from all the linked 3rd party apps appear in an alphabetical list

- To remind you which app created the scene, tap on the scene for more details

Scene Settings

Las Vegas
Edit Name

About

Connected Via
Cync (C by GE)

Description
Las Vegas scene by Cync (C by GE)

Type
Scene

Enabled
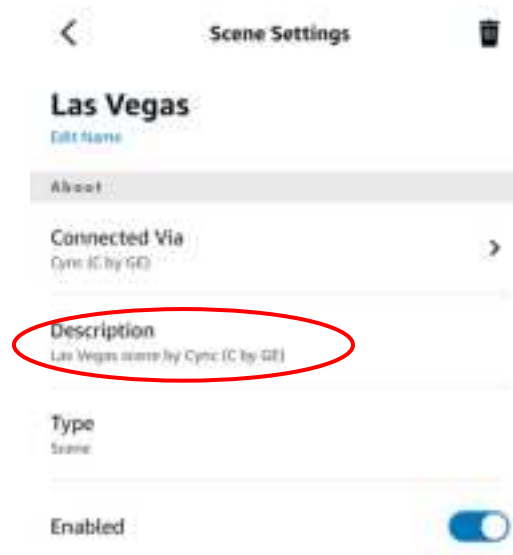
- For example, the "Las Vegas" scene was created in the GE Cync app

Alexa + Surface Switch Integration: Triggering Scenes

Scene Settings

Malibu pink in Hue Home Office
Edit Name

About

Connected Via
Signify Netherlands B.V.

Description
Scene

Type
Scene

Enabled

- The "Malibu pink" scene was created in the Signify (Philips Hue) app

Devices

- WIZ BR30 — On
- ABRA Surface Switch
- ABRA Smart PlugGateway — On

- To program the Surface Switch to trigger these scenes, go back to the Device List and again select the switch

---

Cancel **New Routine**
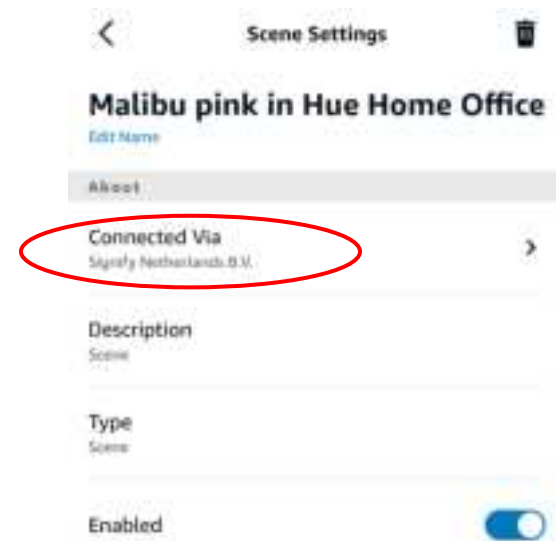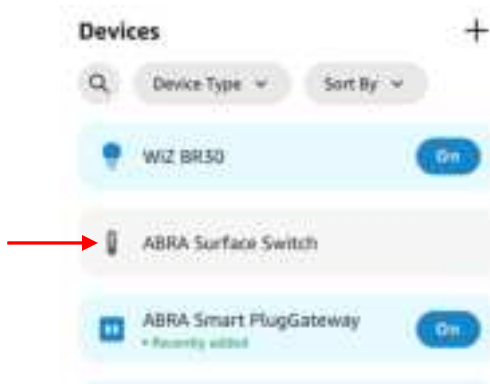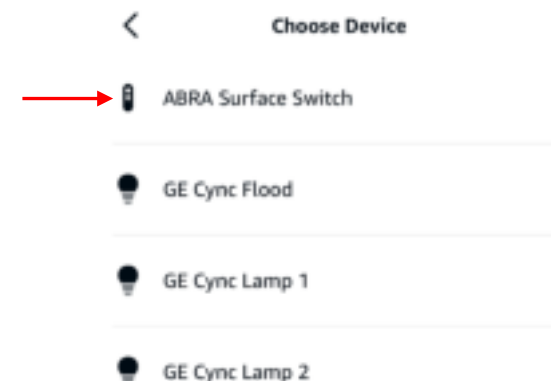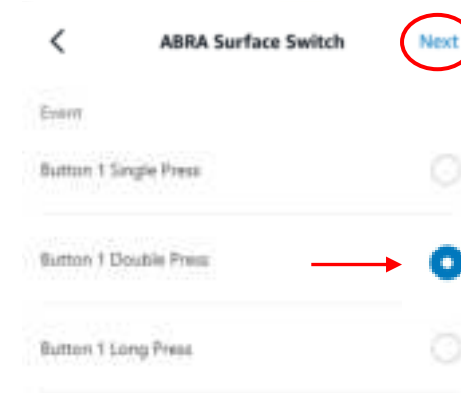
Button Press Routine Rename

WHEN
Button is pressed
Choose Button

ALEXA WILL
Add an action

- Define the type of button press by tapping the "Button is pressed" tile again

Choose Device

- ABRA Surface Switch
- GE Cync Flood
- GE Cync Lamp 1
- GE Cync Lamp 2

- Confirm the device by tapping on the ABRA Surface Switch listing

---

ABRA Surface Switch Next

Event

Button 1 Single Press

Button 1 Double Press

Button 1 Long Press

- Select "Button 1 Double Press"

Cancel **New Routine**

Button Press Routine 2 Rename

WHEN
ABRA Surface Switch: Direction, Button 1 Double Press
Anytime   Change

ALEXA WILL
Add an action

- Select "Add an action," then locate the scene you'd like to trigger when you double press Button 1

Add New

Custom
For more actions, type in what you would ask Alexa to do

Smart Home

Alexa Says

- Select "Smart Home"

Smart Home

- Groups
- Scenes
- Plugs
- Lights
- All Devices
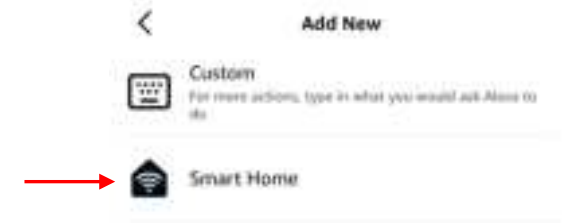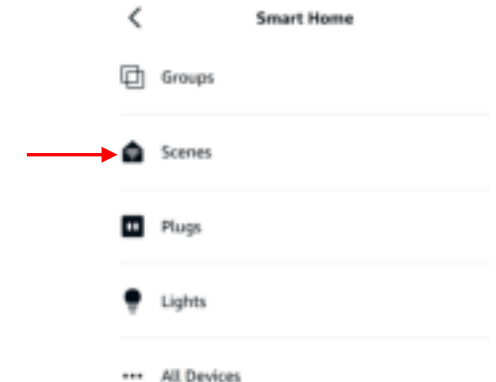
- Next, select "Scenes"

Alexa + Surface Switch Integration: Triggering Scenes

Select Scene

Available

- Dynamic Rainbow
- Easter Egg
- Feeling Blue Scene in Hue Home Office
- Fireplace
- Halloween
- Las Vegas
- Malibu pink in Hue Home Office
- Merry Christmas
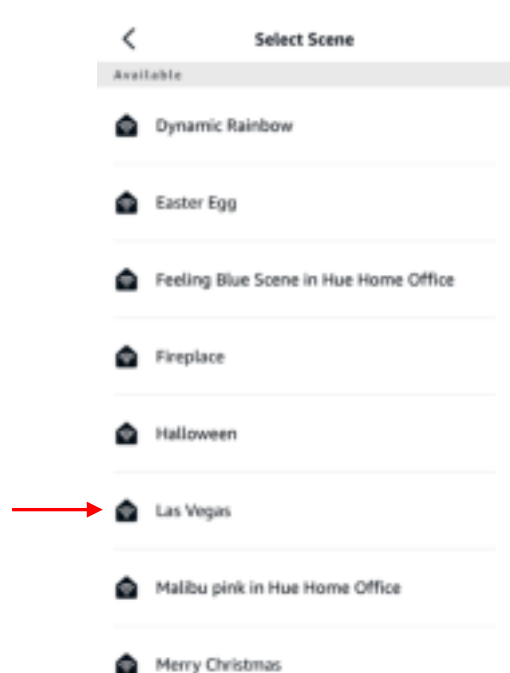
- From the Scene List, we'll select the Las Vegas scene created in the GE Cync app

Confirm

Alexa will turn on Las Vegas

Add

- Confirm this is the scene that you want, then tap "Add"

Cancel   **New Routine**

Button Press Routine 2   Rename

WHEN

ABRA Surface Switch: Direction, Button 1 Double Press

Anytime   Change

ALEXA WILL

Las Vegas
Scene
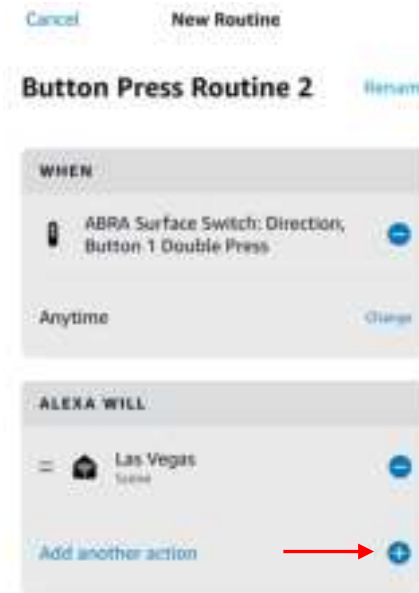
Add another action

- To add another scene, tap "Add another action"

Add New

Custom
For more actions, type in what you would ask Alexa to do

Smart Home

Alexa Says

- Repeat the process by selecting "Smart Home" again

Smart Home

- Groups
- Scenes
- Plugs
- Lights
- All Devices

- Next, select "Scenes" again

- Feeling Blue Scene in Hue Home Office
- Fireplace
- Halloween
- Las Vegas
- Malibu pink in Hue Home Office
- Merry Christmas
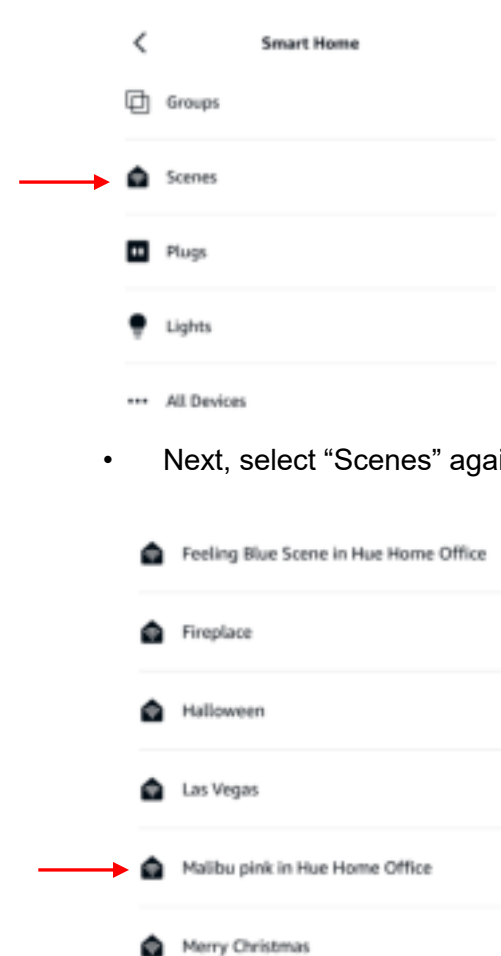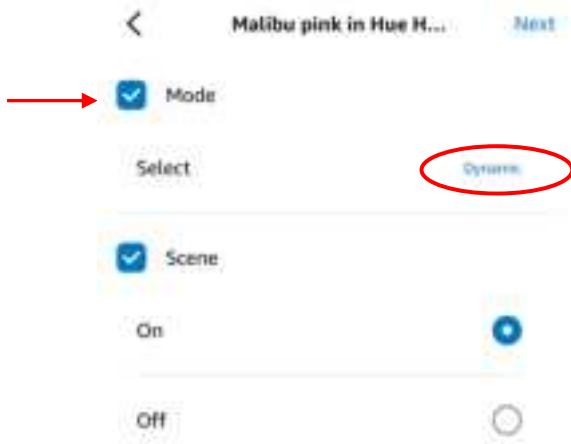
- Now, select the "Malibu pink" scene

- As previously shown, this scene originated in the Philips Hue app

Alexa + Surface Switch Integration: Triggering Scenes

- This Hue scene has two preferences that we need to select

- We'll select "Dynamic" and "On" to call up the color-changing version of this scene

- We've programmed Button 1 to trigger two scenes when double pressed, and we've renamed the routine "Family Room Color Scenes 1"

- When the top button is double pressed, the GE Cync bulbs and the Hue bulbs will turn on and change colors and brightness based on the dynamic lighting scenes programmed in the routine