Bluetooth Color Control Fixtures

APP INSTRUCTIONS

IOS & Android

SLC SOURCE
LIGHTING BY CAST

2023

SOURCE
LIGHTING BY CAST

Any Color You Want...White When You Don't!

Bluetooth Color Control Fixtures

BLUETOOTH COLOR
CONTROL SPOTLIGHT

SBLBTC1

Our Bluetooth Color Control Fixtures have unlimited color wheel options, multiple lumen, and scene settings. The vivid colors are three times brighter than comparable MR-16 products!

All controlled with our NEW **EASY TO USE** APP!

Copper Bracket with Quick Link!

BLUETOOTH COLOR
CONTROL ENGINEERED
WALL LIGHT

SEWL1BT

**Fixed 2700K, see NOTE, pg. 15

BLUETOOTH COLOR CONTROL
WASH LIGHT

SWLBTC1

BLUETOOTH COLOR CONTROL
RANGE EXTENDER

SBLBTR

BLUETOOTH COLOR
CONTROL PATH LIGHT
MODULE

CALED2BT

Visit www.cast-lighting.com/source for more information!

SOURCE
LIGHTING BY CAST

Bluetooth Color Control 15.2.0 (104) APP Instructions 2023

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Section 10: Resetting Fixtures and Deleting Fixtures to the Factory Default

Initial Set Up:

With power supply off, install low voltage transformer and wire, and connect all Bluetooth Color Changing Fixtures together with Range Extenders (SBLBTR) to low voltage transformer power supply required on the system. Keep in mind that the range extenders must not be placed more than twenty feet apart from one another for optimal communicaiton of system.

IMPORTANT: You will not receive connectivity if a timer and/or photocell is installed and not turned on..

Section 1: Installing the App, Registering for an Account, and Logging In:

Steps 1.1-2: Installing the App

Step 1.1:
Download and install the SOURCE App from the App Store or Google Play by searching:

Apple   Android

Source bt

Step 1.2:
Turn on power to fixtures and range extenders. Make sure you are in range of the fixtures.

NOTE: To ensure you have the latest release of Source BT, please make sure you have Notification for Updates turned on. Every time the APP is modified, you will be notified of the new release to download.

Steps 1.3(a)-(d): Registering for an Account

Step 1.3(a):

Tap *Register* on the *Login* screen, the registration screen appears.
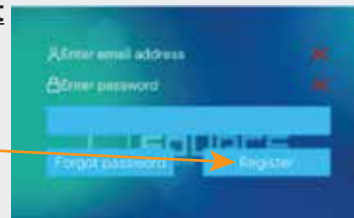
To register an account with the CLC (CAST Lighting Cloud), enter the lighting installations owner (manager) email address and password (twice).
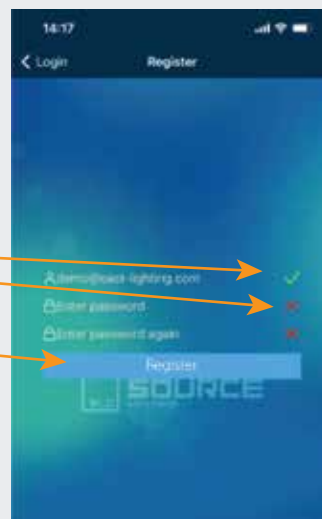
The X and ✓ symbols indicate:

✓: input is valid

X: input is not valid, or passwords don't match

Once inputs are valid, the *Register* button will enable.

Tapping the *Register* button activates the registration process. This sends your email address and password to the CLC, which creates your account.

Step 1.3(b):

After the *Register* button has been tapped, the App registers with the CLC. Upon successful registration the CLC responds to the App, and the App displays the result on the screen.

The App automatically falls back to the *Login* screen.

Step 1.4: Login

When the CAST Lighting—SOURCE BT App (iOS or Android) starts for the first time, the *Login* screen is displayed.

NOTE: For a **new lighting installation**, tap *Register* and go back and follow Steps 1.3 (a)-(d) to register the *Email address* and *Password* of the lighting installation's owner with the CLC (CAST Lighting Cloud).

For an **existing lighting installation**, that has been stored in the CLC, enter the *Email address* and *Password* previously created.

The **X** and ✓ will indicate if the *Email address* and *Password* are valid, and the Login button will enable.

Tap the Login button. Upon successful authentication, the App displays a *Login success* result on the screen.

The App automatically falls back into the *Main* screen.
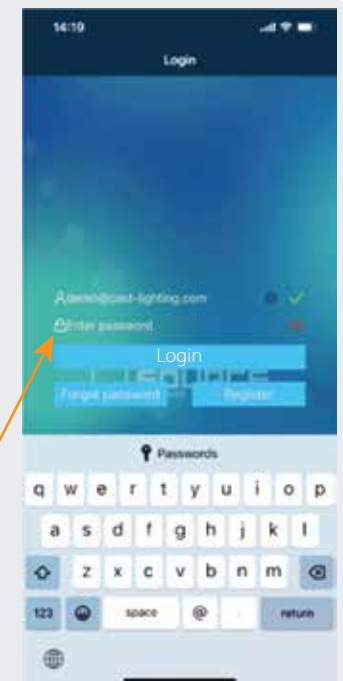
Section 2: Pairing Fixtures with the App:
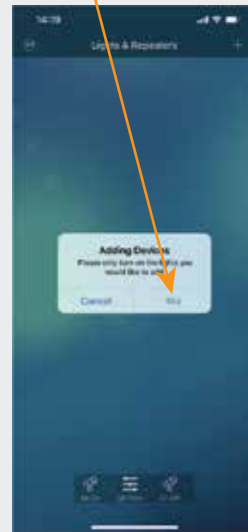
Step 2.1:

With App open, click on the plus sign (right top corner) and tap the white box "Adding Devices".

(Step 2.1)

Step 2.2:

Turn on only the lights you want included in this pairing.

Hit "Yes".

(Step 2.2)

Step 2.3:

Select the devices that should be added to the lighting configuration.

Tap the *OK* button at the bottom of the screen.

The App starts the process of adding the devices to the lighting configuration. The devices will move from the scan screen.
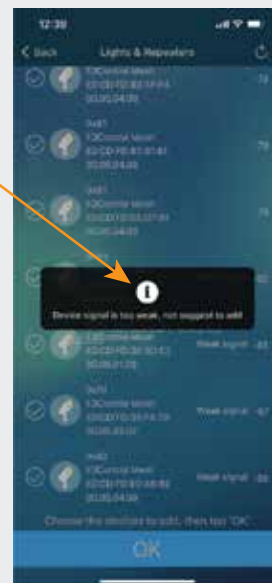
Tap *<Back* in the top left of the screen to return to the App's main screen where all the added devices should appear.
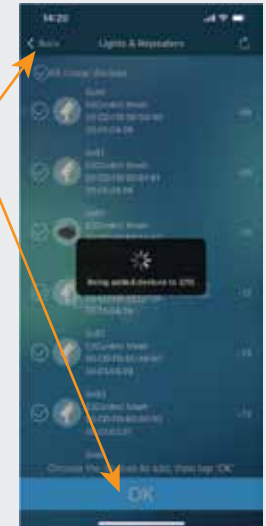
(Step 2.3)

Step 2.4:

While selecting devices to be added, the App might warn that the signal is too weak. If there are no other factors in the area that emit radio signals, it might be necessary to add Repeaters to the lighting setup.

Step 2.5:

Main screen with added devices.

Different types of devices (lamps) are displayed with different images/icons in the App's *Main* screen, and in the *Scan* or *Add* Devices screen.

The devices are now in the lighting configuration of the App. The App assigns *default* names to the devices: "Default #" or "Rptr #".

Generally it would be good to try to turn all the lights *On* and *Off* by tapping *All On* and *All Off*, and to turn individual lights *On* and *Off* by tapping the individual lights.

Long pressing/holding a device (light), or tapping the color indicator of a light activates the *Control Panel* for the light.
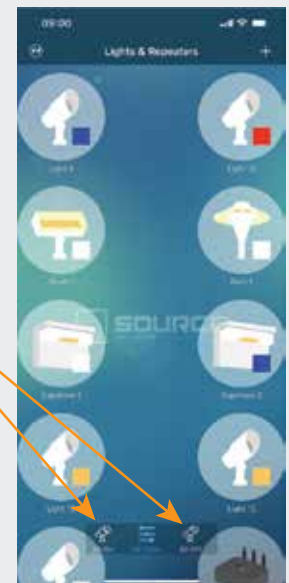
Section 3: Accessing the Control Panel

Step 3.1:

When the *device* is held (long pressed), and the *device* is highlighted, release the hold and the *Control Panel* will activate for this *device*.

A quicker way to activate the *Control Panel* for a *device* is to tap the color indicator in the *device* (light).

Step 3.2:

The *Control Panel* is used to change/control the *Color, Brightness, and Kelvin Color Temperature* of the light.

The *Control Panel* is also the access to naming (labeling) the device, or removing it from the lighting configuration.

The *blue dot* in the top-left of the *device icon* indicates *which* device the *Control Panel* is activated for.

Section 4: Change Name/Label Fixtures

Step 4.1:

To change the name (or label) of the device, access the Control panel for that fixture, by holding device (long pressed), release the hold and the Control Panel will activate for this device.

A quicker way to activate the Control Panel for a device is to tap the color indicator in the device (light).

Initially the fixtures and range extender will be labeled as DEFAULT 1,2,3 ETC.

Tap the pencil in the top right of the Control Panel.
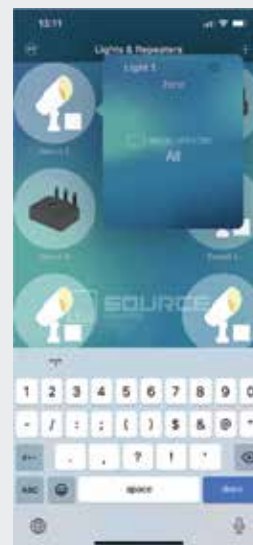
The Control Panel will disappear and a screen (Android) or a popup (iOS) will appear to change the name (or label) of the device.
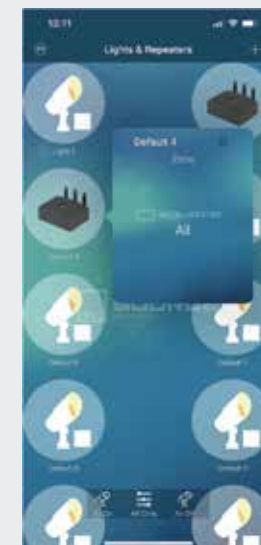
The popup will point to the device.
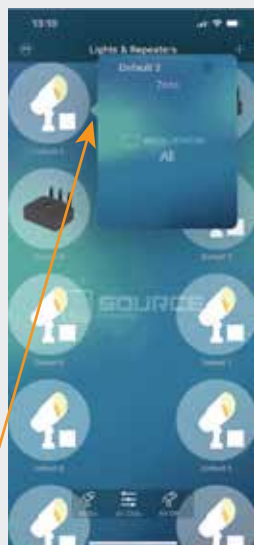
Step 4.2:

Tap on the Default label and change the name (or label), tab outside of the popup to save (iOS). Hit *OK* for Android.
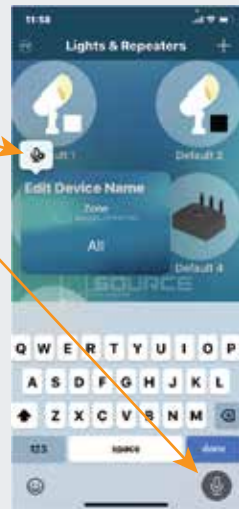

Step 4.3:

By repeating the process, all devices can be named (or labeled).

PRO TIP:

For **APPLE** users: You can tap the microphone Icon and speak the name of the fixture you'd like to label it and it will enter it for you. Tap the screen to update the name.

For **ANDROID** users: This screen will appear when you touch the fixture name box, you can tap the micro-phone to name the fixture, then hit "OK".


NOTE: The Range Extender(s) (SBLBTR) can be identified by turning on and off. The light on top of the repeater will flash, indicating which repeater you are working with.

## Section 5: White Light and Color Controls

CCT°K - Controls the color temperature and the brightness for each fixture or for a zone.

Simply slide the Dim/Bright bar to adjust the brightness from 5% to 100%.

Sliding the Warm/Cool bar will adjust the light temperature of the fixture from 2200K° to 6600K°
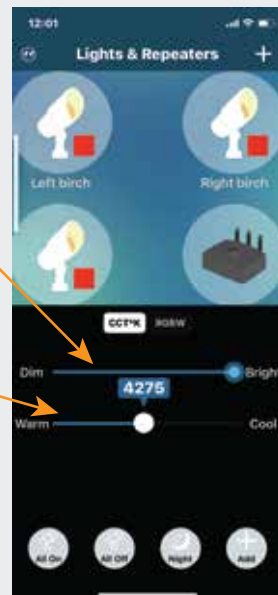
You can manually toggle between Color & White Light. Switch from White light to color by tapping on the CCT'K and RGBW Icon.
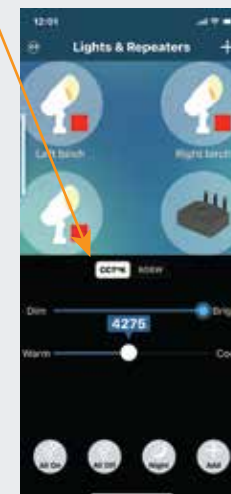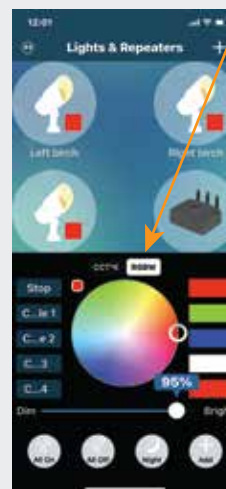
Take note that the color of the fixture operating in real time will be the color square next to the fixture.

Section 6: Creating Scenes

Steps for creating a "scene" for ALL the lights on the APP.

Step 6.1: Scene Setup

To setup a color scene for all devices (lights), the easiest path to follow is, to select the All Zone, which contains all the devices in the lighting configuration.

Tap double light icon in the top left and select All.

Tap All Ctrls at the bottom of the screen. This activates the Control Panel for all the devices (lights).

All Ctrls

Step 6.2: Scene Setup

Select the color that most of the lights should have. For instance, in an Independence Day (Red-White-Blue) scene, select White from the RGBW section.

Tap outside the Control Panel to close/dismiss it.

Step 6.3: Scene Setup

For Red, Green, and Blue the standard colors on the right side in the Control Panel can be used.

Tap the color indicator (box on right) in a fixture image that should be Red. This activates the Color Panel for the individual fixture. Change the color to Red by tapping the Red button at the top right of the Control Panel.

Tap outside the Control Panel to close/dismiss.
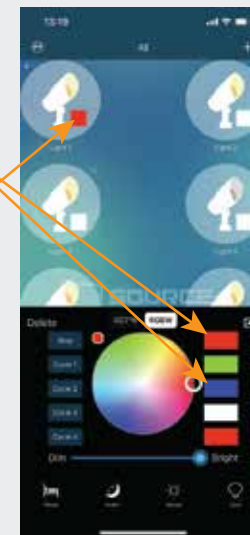
Step 6.4: Scene Setup

Repeat this process for the other fixtures that should emit Red or Blue colored light.

When all fixtures are emitting light in the proper color, tap **All Ctrls**, this will activate the Control Panel for all the devices. At the bottom of the Control Panel a horizontal list of scenes is displayed. **Scroll the list of scenes to the left**. The +/Add button should appear.

Tap the **+/Add** button, this should open the Scene Settings screen.

Step 6.5: Scene Setting Screen

In the *Scene Settings* screen, type the name of the *scene*.

Note: Since the scene names are displayed at the bottom of the Control Panel, abbreviations as **ID** for **Independence Day**, often work better.
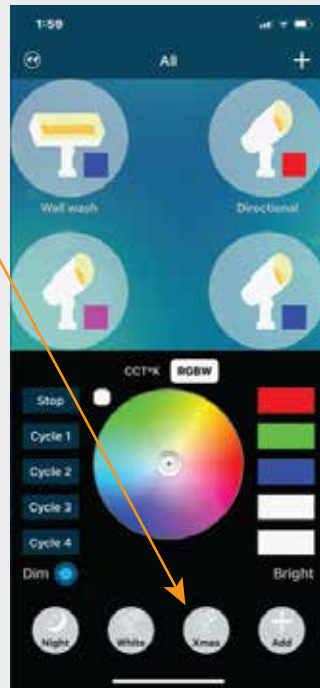
Tap the **Save** button to save the color scene. A popup to confirm saving will display. Tap **Yes** to save the color scene.

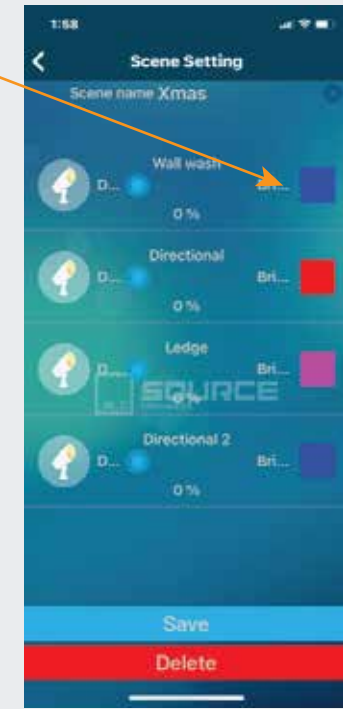The Scene Settings screen will close.
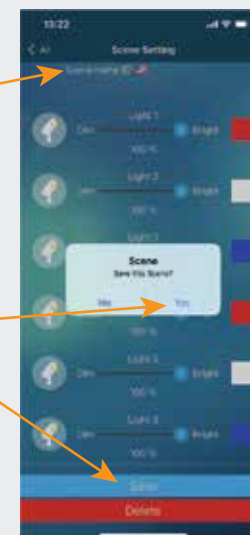
Step 6.6A: To Change a Color Scene in All

- Activate the Control Panel via All Ctrls.
- Scroll left to the scene you want to change.
- Press and hold the button for the color scene to change.
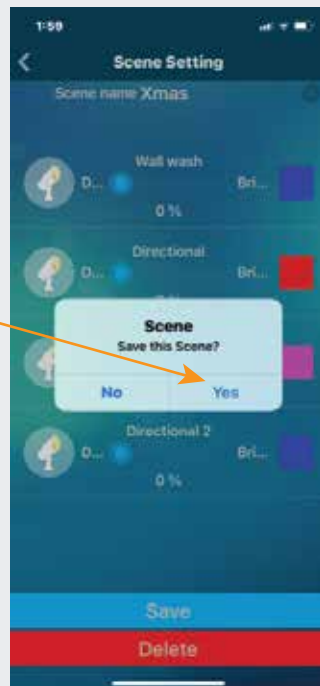
Step 6.6B: Changing Colors in Scenes (con't)

- Tap on color box for fixture to change.
- Tap on RGBW for color wheel.
- Select new color.
- Hit save twice.

Step 6.6C:

- After changing color from color wheel and saving twice, message box will appear.
- Hit yes.
- Lights flash as confirmation change took place.

## Step 6.7: Using the Color Wheel and Hold Color Button

Color scenes are often not configured with just the standard, *Red, Green, Blue,* or *White* colors provided in the *Control Panel*.

To use a different/specific color, use the **Color Wheel**, to select the color.

To keep the selected color so that it easily can be reused for other fixtures, press and hold the **hold color** button (last color button on the bottom right) in the Control Panel. The color of the **hold color** button should change to the selected color.

Activate the Control Panel for another device (light), and then tap (do not press and hold!) the **hold color** button to change the color of the device (light). This way, setting up color scenes with a repeating specific color becomes easier.

To hold a previously selected color that a fixture already has, activate the Control Panel for that device and press and hold the **hold color** button.
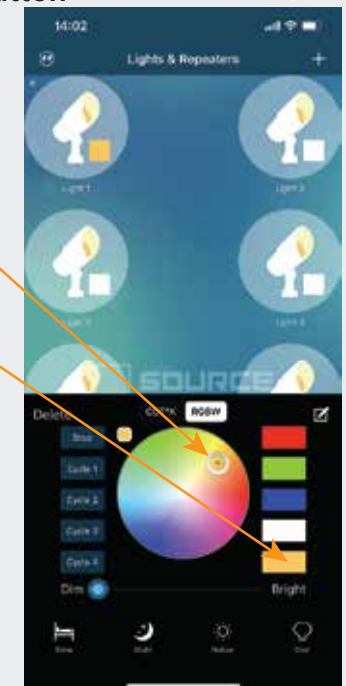
Section 7: Creating Zones (Sub-Scenes)

THERE ARE SLIGHT APPEARANCE VARIATIONS BETWEEN THE APPLE IOS AND ANDROID APPS IN THIS SECTION, PLEASE REFER TO THE SECTION FOR YOUR DEVICE.

NOTE: You can skip this feature if you do not require the grouping of the fixtures in different sections of the property. For example, this feature allows you to control the back yard, front yard, pool, right, or left yard groups of fIxtures individually. If you are only installing one group of fixtures (ex. front yard only), you will not need this feature since you only have one group of fixtures and that is the default setting in the APP identified as ALL.

Getting Started: You will notice the word "ALL" at the top of the screen. This is the default that shows ALL fixtures on the system in one group. If you want to break out fixtures into different sections, or zones (Sub-Scenes) on the property, they need to be grouped and named separately. As an example, we will be creating two groups (Front House Entrance and Side Yard) in this section. There are up to 20 zones (Sub-Scenes) available in this APP. This feature allows the user to control all the fixtures in one section of the property at once.

Section 7: The Drawer

Step 7:1
The icon with the double lights in the top left of the Main screen activates the Drawer.

The Drawer displays general information about the App and the configuration, such as the App Name, the Email address the App is configured with for the CAST Lighting Cloud (CLC).

The Drawer gives a list of Zones (Areas/Rooms). "All" is the default Zone with All the devices in the lighting configuration.

The Zones (Areas/Rooms) are maintained via the "Edit" and "Add" buttons at the bottom of the Drawer.

The Drawer also gives access to the Settings screen.

Step 7.2 - Add a Zone

Tapping the "Add" button will allow you to add Zones.

On iOS the typical iOS list is displayed with the + icon on the left of the items. Tapping the + icon will add a Zone to the list.

On Android a popup is displayed where a name for a name to add Zone can be entered.

Step 7.3A - Add a Zone and Label

On iOS a new Zone is added with the name/label unnamed.

Tap on the Zone to name/label the Zone.

Step 7.3B - Zone Name/Label
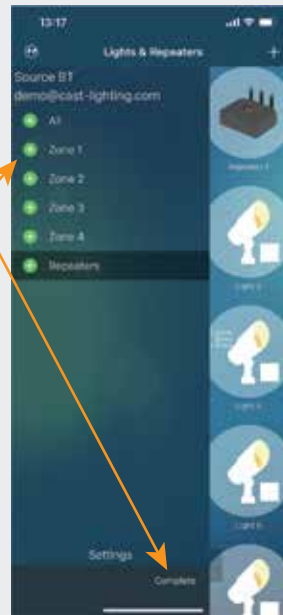
On iOS, name/label the "Zone" (Room)

Step 7.3C - Zone Name/Label

Repeat the process to add all the required Zones.

iOS: To finish, tap the *Complete* button at the bottom right of the drawer.

NOTE: To display devices in a Zone, tap on the *Zone* in the Drawer.
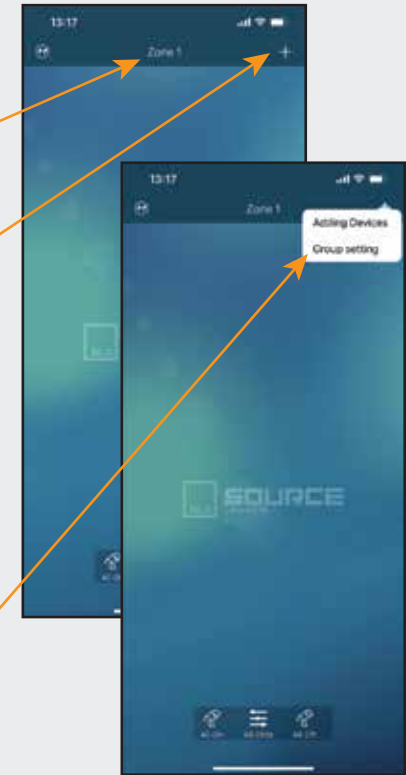

Step 7.4A - Zone - Add Devices

When a *Zone* is selected from the *Drawer*, the *Main* screen of the App will display the selected *Zone*.

To add devices to the *Zone*, tap the "+" in the top right of the screen.

When the "+" is tapped in the top left of the *Main* screen when the *Main* screen displays a *Zone*, a menu shows up with two choices:

- Adding Devices
- Group setting

To add devices to the displayed *Zone*, tap *Group settings*.

Step 7.4B - Zone - Add Devices

After tapping *Group settings*, a screen with all the devices will show. Devices can be added to the selected *Zone* from here.

Select the devices to be added to the *Zone*.

Tap *Save* in the top right of the screen to place the selected devices into the *Zone*. Selected fixtures will flash.

Repeat the steps for all *Zones*.

Step 7.4C - Zone - With Selected Devices

The fixtures selected for that *Zone* will display under the Zone heading in the main screen

Step 8.1: Creating Color Scene in Zone

To setup a Color Scene in a Zone:

Tap double device (light) icon in the top left of the screen.
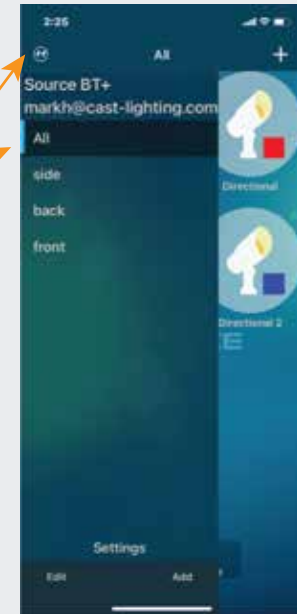
- This opens the Drawer.

- Select the Zone you want to create a color scene for.

- Follow the same Color Scene setup process as in Section 6, but now for just the Zone.

Step 8.2A: Changing Color Scene in a Zone
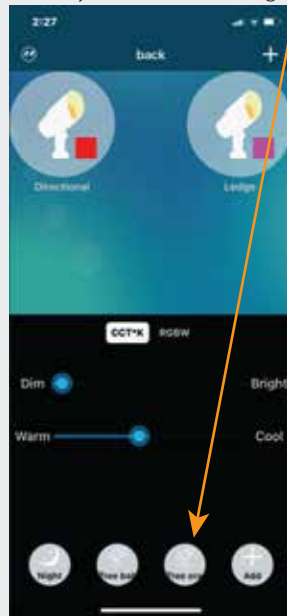
To change a Color Scene:

- Tap the double light icon in top left of the screen.

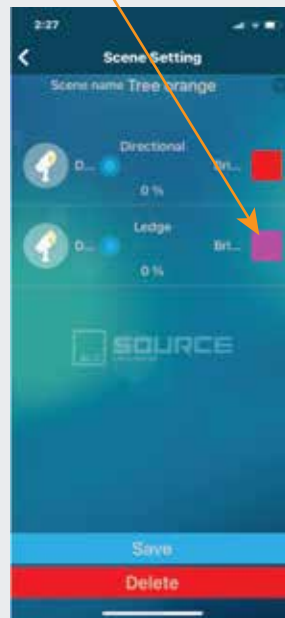- Select which zone you want to open/change.

Step 8.2B:

Active fixtures under zone will populate.

- Select All Ctrls

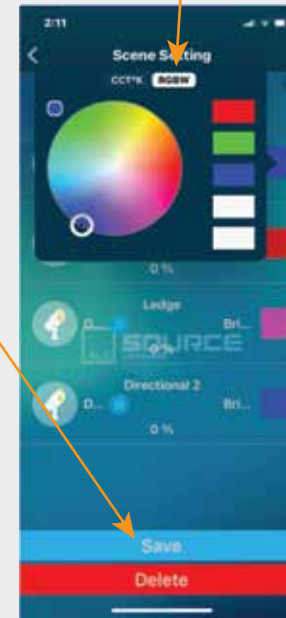- Scroll left to scene in the zone you want to change

Step 8.2C:

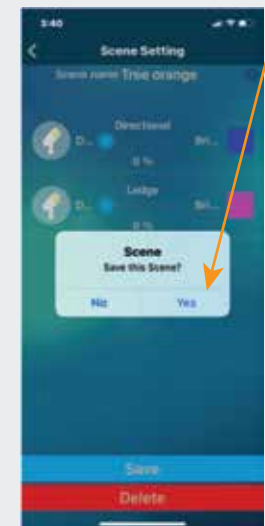- Select and hold color box for fixure you want to change.

- Defaults to CCT°K.

- Select RGBW to change color wheel.

- Select new color.

- Tap outside of color wheel.

- Hit save

Step 8.2D:

- Click yes to save the new scene.
- Lights will flash to indicate change has been made.
- Tap the double light icon in top left of the screen to return home.

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Section 9: PUSH Your Client's Configuration on YOUR PHONE to the CAST Lighting Cloud (CLC) and PULL the Configuration to YOUR Client's Phone.

NOTE: You can only have one lighting configuration in the Source BT App on a device. In order to create a lighting configuration for your client while using your phone, when you have a lighting configuration created on your phone, you must Push this lighting configuration to the CAST lighting Cloud (CLC.) After you have PUSHED the lighting configuration to the Cloud, you need to prepare your device for a new configuration by deleting the current lighting configuration from the APP. (Settings-Delete Configuration.

You can now use your device to Register and Login as the homeowner, using login information supplied by the homeowner. Create the new homeowner configurations and proceed with Pushing to CLC for homeowner to PULL down once they login on their own device. (Only have to *register* once!)
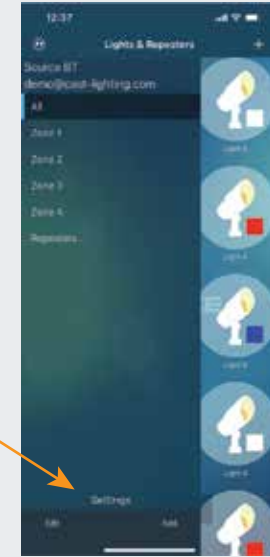
Step 9:1A

To exchange the lighting configuration data via the CLC, tap the double device (light) icon in the top left of the Main screen.
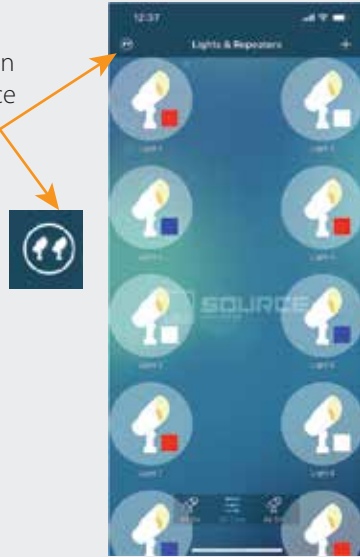
Step 9:1B

This should open the Drawer as shown in the image.

Tap the Setting button at the bottom of the Drawer.

Step 9:2 - SOURCE BT Settings

After tapping the *Settings* button in the *Drawer*, the *Settings* screen should appear. The *Settings* screen has the following options:

- **Login**
  To allow the App to Login (Authenticate) with the CAST Lighting Cloud (CLC). This is usually only necessary if the communication session that App maintains with the CLC has been reset due to inactivity.
- **Push (Upload) Configuration**
  To Push the lighting configuration of the App to the CLC. The lighting configuration will be pushed under the CLC account's Email address as displayed at the top of the Drawer.
- **Display Bluetooth Mesh Network Code**
  Display the Bluetooth Mesh Network (BMN) Code. This is an auto generated code to create a private Bluetooth Mesh Network. This has nothing to do with CLC access and should not be confused.
- **Device List**
  Show technical information of the devices in the BMN.
- **Delete Configuration**
  This option resets the App to new install state. It wipes out all the configuration data. This option would only be used to reset the App to new install state, so the App would be restarted to Pull (restore) an existing lighting configuration from the CLC.
- **Instruction Manual**
  To see a complete set of instructions on your device, click.
- **About**
  Displays information about the App.

Step 9:3 - Storing Your Personal Configuration on the CLC to Configure your Client's System on Your Device

If you are using a (your) personal mobile device to configure the Lighting Configuration for a customer/client, and also have a Lighting Configuration of your own on your mobile device, you might want to Push (safe store) *your* lighting configuration to the CAST Lighting Cloud to be retrieved later.

- Check that your current session with the CLC is with your own account. (Open Drawer and check email address on top left.)
- Tap *Settings* at the bottom of the drawer.
- If Necessary: Authenticate with the CLC (Login or Register and Login if necessary.)
- Push your current lighting configuration to the CLC outlined below. (Settings -> Push.) Confirm positive response from the CLC.
- To prepare the mobile device for a new lighting configuration at your client's property: Delete the current lighting configuration from the App. See instructions below.
  (Settings -> Delete Configuration.)
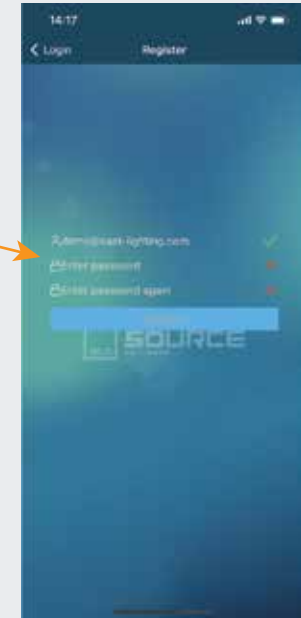
Step 9.4: PUSH to CAST Lighting Cloud (CLC)

When a lighting configuration has been pushed to the CLC, the lighting configuration can be pulled onto another mobile device.

Tap the *Push Configuration to Cloud* button to push the lighting configuration to the CLC.
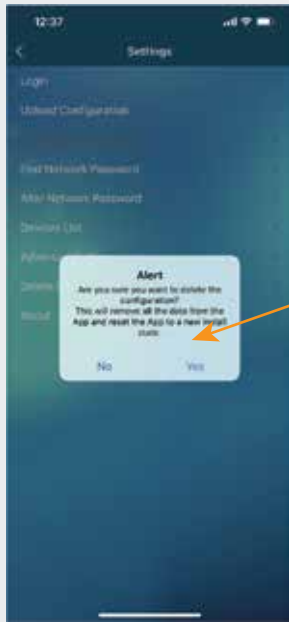
After the *Push Configuration to Cloud* button has been tapped, the App will report if the Push was successful.

The App will report an error if something went wrong.

If the communication session with CLC has expired, the App might have to Login (Authenticate) with the CLC.

Step 9.5: Delete Configuration

To prepare the mobile device for a new lighting configuration: Delete the current Lighting Configuration from the App. (Settings -> Delete Configuration), after push function has been completed.

This option resets the App to new install state. It wipes out all the configuration data. This option would only be used to reset the App to new install state, so the App would be restarted to Pull (restore) an existing lighting configuration from the CLC.

After the *Delete Configuration* button has been tapped, the App will confirm that the configuration truly should be deleted (removed).

Tap the *Yes* button, if this was truly intended.

It could be truly intended if a contractor/installer wanted to use a personally owned mobile device to configure a lighting install for a customer.

The App should 'reset'. After restart, the App requires authentication (login or registration and login) with the CAST Lighting Cloud.

Step 9.6: Set Up Your Client's Lighting Configuration and PUSH it to the CLC
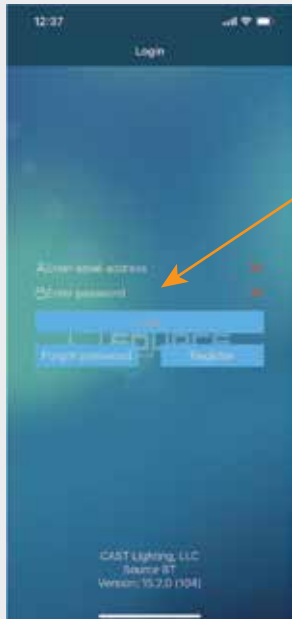
Authenticate (register and login) as the homeowner of the lighting configuration on your personal mobile device. WRITE THIS DOWN and keep for future use!

Create the Lighting Configurations (pairing, labeling, scenes and design) **on your personal mobile device using homeowner's credentials** and **PUSH** the Lighting Configuration to the CLC, when done with set-up.

Tap top left icon to open the drawer. (Confirm Email address at top of the drawer, should be customer's/client's).

Tap *Settings* at the bottom of the drawer. (This opens the Settings screen.)

Choose "*Push Configuration*" to Push the lighting configuration to the CLC. (Confirm response from the CLC.)
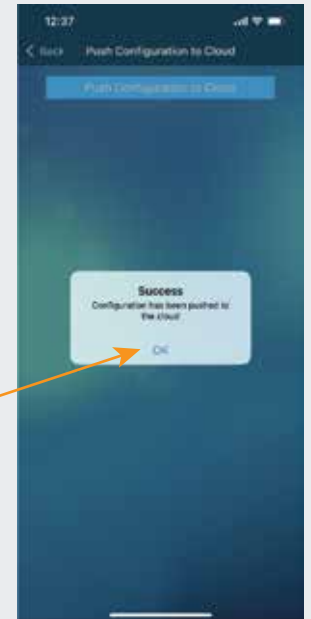
Step 9.7: PULL the Configuration from the CLC to Your Client's Mobile Device


- **Install the Source BT App** from the AppStore (iOS) or PlayStore (Android) following steps in Section 1, **on client's device.**

- Start the Source BT App.

- When the Source BT App starts , the App should show the Login screen. Login (authenticate) with the credentials used to push the lighting configuration,(the customer/client's email address and password previously created.)

The App should recognize that a lighting configuration has been pushed to the CLC. The App will report from which type of mobile device this was done at what time. Confirm this is correct.
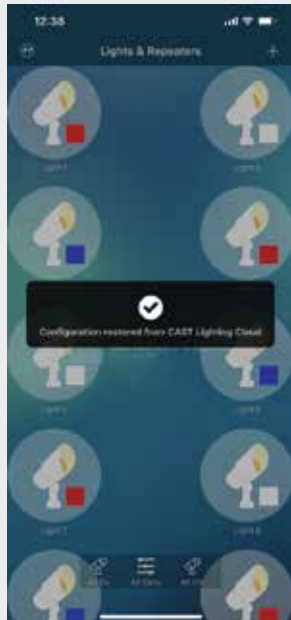
The App will display a popup screen, with information of the last pushed lighting configuration.

- Tap the *Yes* button to Pull (restore) the lighting configuration.

The lighting configuration of the customer/client should now appear on the customer/client's mobile device.
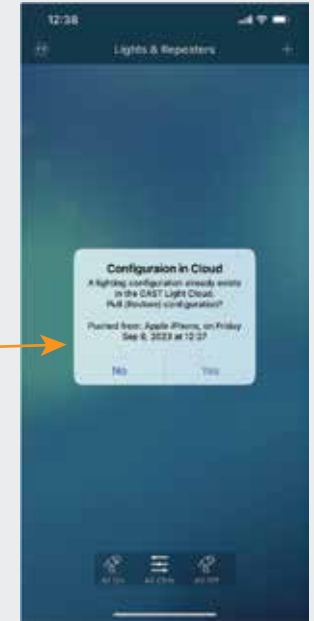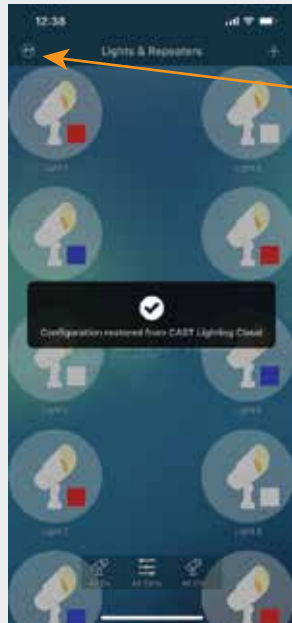

Step 9.8: CAST Lighting Cloud - PULL - Complete

If the Pull (restore) of the lighting configuration from the CAST Lighting Cloud is successful, the App will display the devices in the Main screen of the App and report that the configuration was restored.

Step 9.9: PULL (Restore) Your Own Configuration Back to Your Mobile Device

To Pull (restore) your own lighting configuration back into the App on your own device, on your own mobile device:

- In the Source BT App: Tap the top left icon. **(This should open the drawer with the customer/client's email address in the top).**
- Tap Settings. (This should open the Settings screen).
- Tap "Delete Configuration". (This will delete the customer/client's lighting configuration). The App will reset.
- Start the Source BT App.
- The Login screen will appear.
- Login with your own credentials (Email address & password).
- After successful authentication, the App will recognize the earlier Pushed lighting configuration.
- Choose to restore the lighting configuration.

This should restore your own lighting configuration back onto your own mobile device.

Section 10: Resetting and Deleting Fixtures
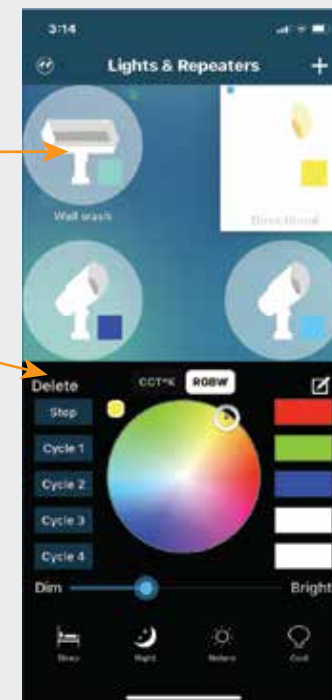
Step 10.1: Deleting Fixtures

When you have connectivity and want to delete a single fixture from the configuration and APP:

- Hold down the fixture icon and tap Delete.

NOTE: for Android users - Hold down the fixture icon and tap the NOTEPAD icon. A new screen will appear that contains the Delete button.

CAST also installed a RESET button on the following fixtures; CALED2BT, SEWL1BT and SWLBTC1.

Both operations will delete the fixture from the lighting configurations and factory reset the unit. To add back to a lighting configuration, follow steps above in Adding Fixtures.

Step 10.2: Resetting Fixtures

If you need to reset all fixtures and range extenders to factory default settings, perform the following operations.

From the Transformer:

- Turn all fixtures off for 15 seconds, then wait and turn all fixtures back on for 15 seconds.
- Turn all fixtures off for 15 seconds, then wait and turn all fixtures back on for 15 seconds.
- Turn all fixtures off for 15 seconds, then wait and turn all fixtures back on for 15 seconds.
- Turn all fixtures off for 15 seconds, then wait and turn all fixtures back on for 15 seconds.
- Turn all fixtures off for 15 seconds, then wait and turn all fixtures back on for 15 seconds and leave them on.

The fixtures will flash to signify the fixtures have been reset.

PRO-TIP:
The easiest way to time the factory reset is to use the clock setting on your phone using the Stopwatch LAP setting to time the 15 second intervals.
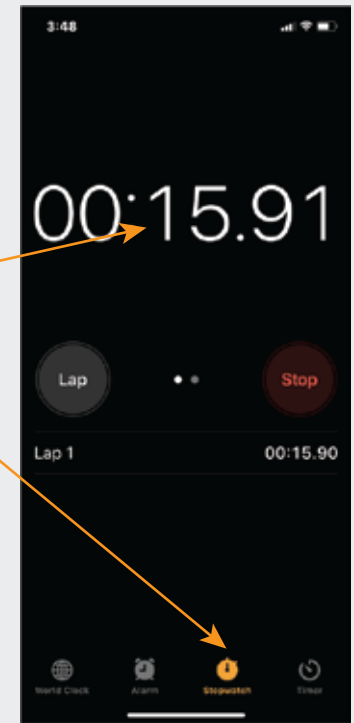
PLEASE TAKE NOTE:

You may need to repeat a command for fixtures/repeaters that are further away. Also, if either a fixture or repeater is not responding at all, close the APP and open again.

NOTE FOR SEWL1BT:
**The Bluetooth LED RGBW Adjustable Color Engineered Wall Light (SEWL1BT) is a fixed 2700K fixture. Fixture can only be controlled in the RGBW screen not in the white light setting CCT screen. It is advisable to create a room for just these fixtures so you can control the white setting in the RGBW screen on all your wall lights at once.

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