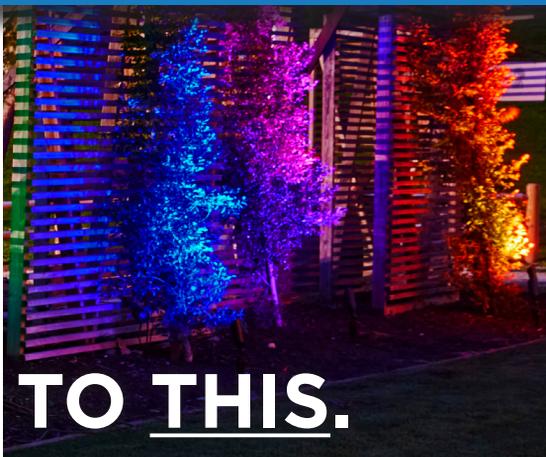




Upgrade existing fixtures to RGBW Color Control
JUST BY CHANGING THE LAMPS!



Go from this



TO THIS.



IT'S AS
EASY AS
THIS!



ALLIANCE
OUTDOOR LIGHTING

IN THIS GUIDE:

- Why Upgrade?..... 2
- Count and Install..... 3
- Using the bt app 4
- Installation
- Guidelines and Tips..... 8

BENEFITS OF A MODERN BT SYSTEM

Retro-fitting an existing low voltage outdoor lighting system with drop-in lamps that offer Bluetooth® app-controlled technology provides numerous benefits. These upgrades transform a standard lighting system into a modern, flexible, and user-friendly setup. **Here are the key advantages:**

DIMMING CONTROL

Control individual lamps intensity from 1% to 100%



COLOR TEMPERATURE CONTROL

Tune individual lamps output infinitely from warm 2700K to silvery moonlight 4000K.



RGB COLOR CONTROL

Paint a landscape with rich, colorful light. Choose from up to 30,000 different custom colors, plus easy preset colors.



SCENE/THEME CREATION

Create custom lighting schemes to suit specific times of night, activities, moods or events.



HERE'S A BRIGHT IDEA: EXPERIMENT WITH LIGHT

- Softer lighting with a touch of color can be **relaxing** or **romantic**.
- Dimming & color together particularly effective for **outdoor gatherings**, as it can help bring focus to seating & task areas while using muted colored lighting for **perimeter ambiance**.
- **Holiday themes:** Christmas, Hanukkah, Halloween, Valentines Day, 4th of July, etc.



GETTING STARTED

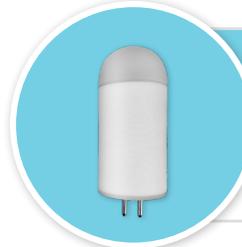
Start with an inventory of the current fixtures. Select lamp based on fixture type. Replace the existing drop-in lamp with a new bt ALLY.



FOR USE IN: **Accent • Downlights • In-Ground Lights**

MODEL:
bt-ALLY-MR16

- Adjustable 2-4 Watts
- 10-430 Lumens
- 40° Flood



FOR USE IN: **Path • Area • Hardscape • Specialty Lights**

MODEL:
bt-ALLY-G4

- Adjustable 1-2.5 Watts
- 10-250 Lumens
- 360° Full



FOR USE IN: **Accent • Well Lights**

MODEL:
bt-ALLY-PAR36

- Adjustable 2-7 Watts
- 15-460 Lumens
- 45° Flood



FOR: **Integrating line-voltage fixtures into a bt system**

MODEL:
bt-ALLY-A19

- 8 Watts
- 10-800 Lumens
- 220° Wide-Angle



IT'S AS EASY AS 1-2-3

That's right - just start counting the fixtures, figure out how many of each type of lamp you need, and install!

BASIC CONTROLS OF THE bt APP DASHBOARD

- 1 **Menu Button** Access advanced settings for more bt app functions.
- 2 **Network Name** Displays the network the bt app is connected to.
- 3 **Add Group to Network** Manage groups and devices in the groups.
- 4 **Control All Connected Devices** Control all devices in the network.
- 5 **Control Individual Device** Press or press-hold to control device.

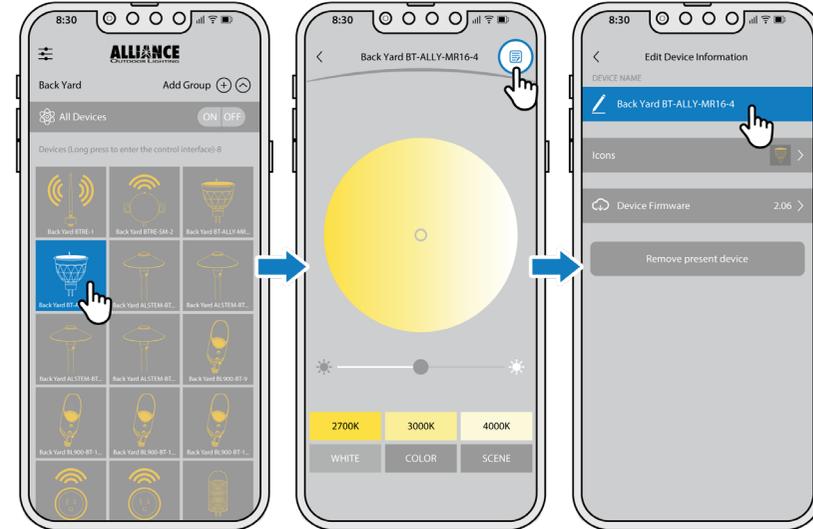


UNDERSTANDING BT DEVICE ICONS

- **YELLOW ICON:** Device is powered on, connected to the app and illuminated.
- **GRAY ICON:** Device is receiving power, connected to the app, and not illuminated.
- **GRAY ICON WITH SLASHED CIRCLE:** Device is either not receiving power or is not connected to the app.

NOTE: A device that is turned off with the icon on the main page will come back on when the transformer comes on. However, a device that is dimmed all the way down will remain dimmed when the transformer comes back on. If dimmed to “off” the device will remain off.

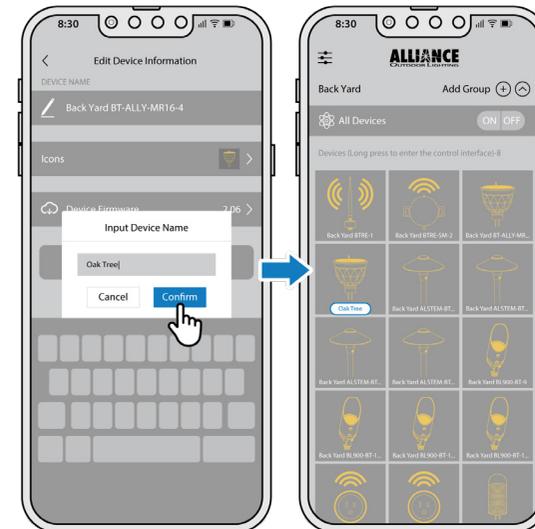
HOW TO NAME FIXTURES



Step 1: From the home screen, long press on the icon of the lamp you want to rename to bring up the control panel.

Step 2: Click on the page icon in the upper right corner to bring up the edit device panel.

Step 3: Click on the current device name to bring up the input device name window.



Step 4: Use the keyboard to name the fixture and then click the yellow “Confirm” box.

Step 5: The fixture is now renamed in the dashboard.

Want to learn more?
Scan here to view our in-depth **bt How-to guide**

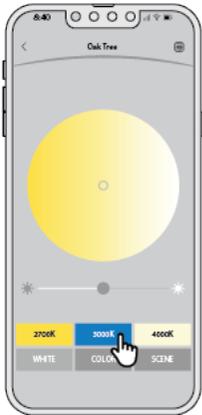


allianceoutdoorlighting.com/technical/

HOW TO CUSTOMIZE PRESET COLORS + SCENES

Step 1: From the control panel, **long press** the color block you would like to customize.

FOR CCT PRESETS



FOR RGB PRESETS

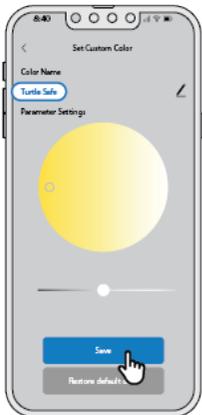


FOR SCENE PRESETS
long press the scene, long press color



Step 2: From the color wheel, **choose the color** you would like to make the new preset. The fixture will change to the selected color. Click the **“Save”** button to set the new preset.

FOR CCT PRESETS



FOR RGB PRESETS



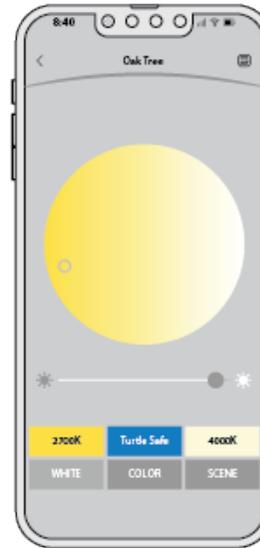
FOR SCENE PRESETS
Repeat step 2 for each color in the scene



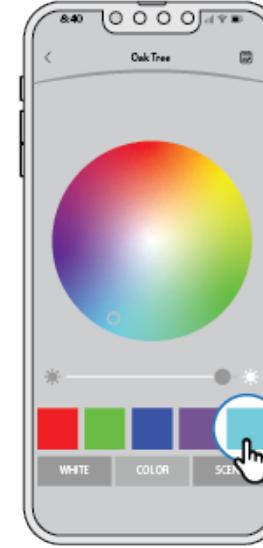
HOW TO CUSTOMIZE PRESET COLORS + SCENES (CONT'D)

Step 3: Complete! The new color is now the preset option.

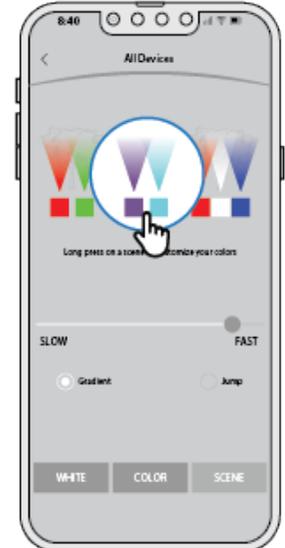
FOR CCT PRESETS



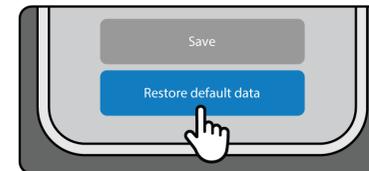
FOR RGB PRESETS



FOR SCENE PRESETS



To **revert back to the default presets** for CCT and RGB colors, long press on the color block, then click on **“Restore default data.”**



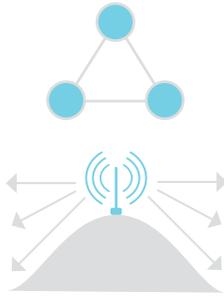
Want to learn more?

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INSTALLATION TIPS



1) Triangulate bt range extenders so that each has a line of sight to at least 2 other range extenders. This strengthens the Bluetooth® mesh network and increases communication to the bt-ALLY's in range.



2) Signal strength is aided by elevation. Where possible, install range extenders in trees, on hilltops, on fences, roofs, etc. For ground-stake models use a RISER for height.

3) Set up secured network(s). If you are adding to an existing bt system be sure to add the bt ALLY lamps to the appropriate network.

4) Review system operation with the property owner. Test operation from where the property owner will use the app with property owner's device(s) from: indoors, outdoor seating areas, building entrances, garages. **This avoids callbacks related to function and use.** Provide a copy of our bt How-to Guide which describes app functions, scene options, accessing the secure network, & signal tips.



5) Communication Distances. bt fixtures have a Bluetooth® range of 5-20 feet in optimal conditions and bt range extenders have a Bluetooth® range of 35-75 feet in optimal conditions. Smart phones have a Bluetooth® range of 10-30 feet in optimal conditions. Bluetooth® range is affected by natural obstacles including elevation, rocks and foliage, as well as buildings, hardscapes, patio covers, and interference from other electrical (pool equipment) and wireless devices.



6) bt Fixtures Require Between 10-14 Volts to Communicate. Over 14 volts will damage the components of a bt module. Place no more than 8 bt fixtures on a #16-2 wire run.

7) The bt System does Not Require a Special Transformer. Only that the transformer output can deliver 10-14 volts at the fixture.

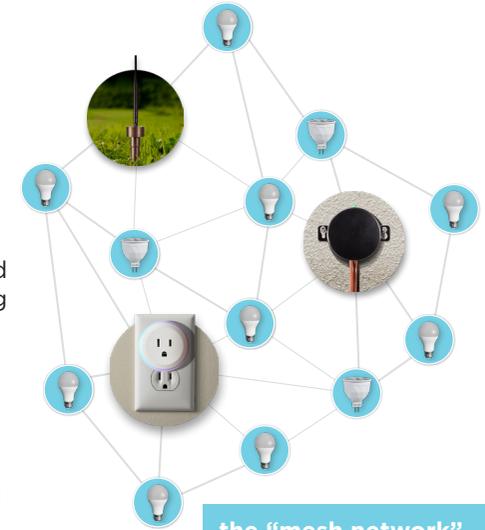
BT RANGE EXTENDERS

Range extenders are a MUST for every bt System to operate reliably. They repeat and strengthen the communication between all system components, operating as a **“mesh network”**.

Communication signal strength can be reduced by physical obstructions (buildings, landscape features, etc.), intermittent communication interference (competing signals, static, signal noise, magnetic fields, etc.), weather and more.

You want a reliable installation! Avoid parts of your bt system network going off-line by creating a strong network of range extenders (RE).

Range extenders are assigned to a specific network. If you have multiple networks on a property, separate range extender groups will be needed for each network.



the “mesh network”



BTRE – Stake mounted range extender installed where spacing between lamps is significant, where elevation or obstructions might interrupt signal and simply to strengthen the overall network. **Nestle among landscape foliage**, do not place behind physical obstructions like walls, stones, etc.

BTRE-SM – Surface mounted range extender ideal for use in hardscape areas or on the exterior walls of structures. Installed where spacing between lamps is significant, where elevation or obstructions might interrupt signal and simply to strengthen the overall network.

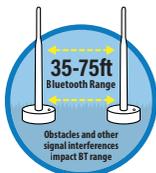


BTRE-PLUGIN – Indoor range extender plugs into a standard 120V grounded receptacle. Intended to help carry signal from indoors to the landscape. (For example, when adjusting lighting on a cold winter night). A must for residential installations.



ALLIANCE bt APP

Controls a bt system from any mobile device (phone, tablet) with both iOS and Android compatibility. Functions as a remote control for dimming, color temperatures, RGB colors, set themes and groups. Allows creation of a secured network for the site, so only those with permission can control the lights.



BT RANGE EXTENDERS

Repeat and strengthen bt signals to carry commands from the customer's phone to far off lamps. These are essential and mandatory to compensate for distance, obstructions, elevation changes and other factors that diminish signal strength. Multiple models for installation convenience.



bt FIXTURES & bt ALLY LAMPS

Wide selection of fixtures with on-board bt capability, or upgrade existing fixtures with bt ALLY lamps.

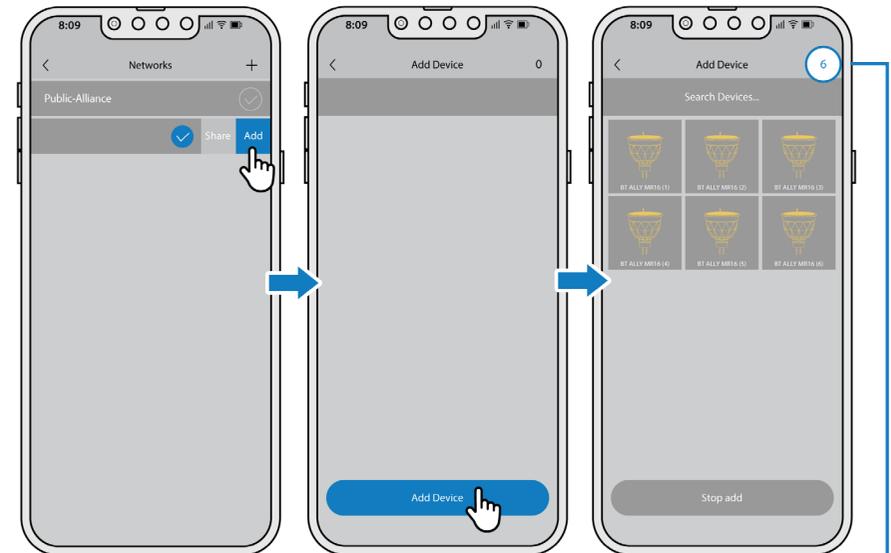
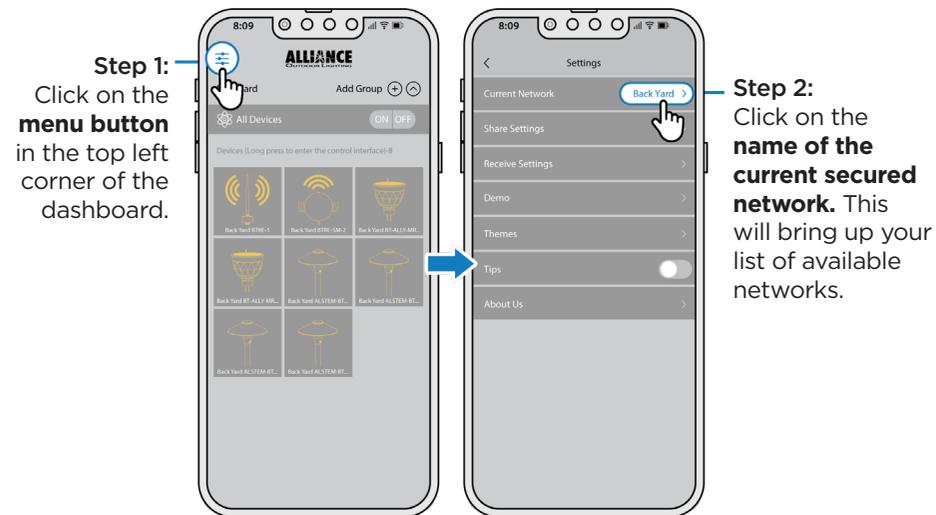


bt SYSTEM VIDEO LIBRARY

Scan to watch & learn more about the bt System.

HOW TO ADD A NEW LAMP TO AN EXISTING SECURED NETWORK

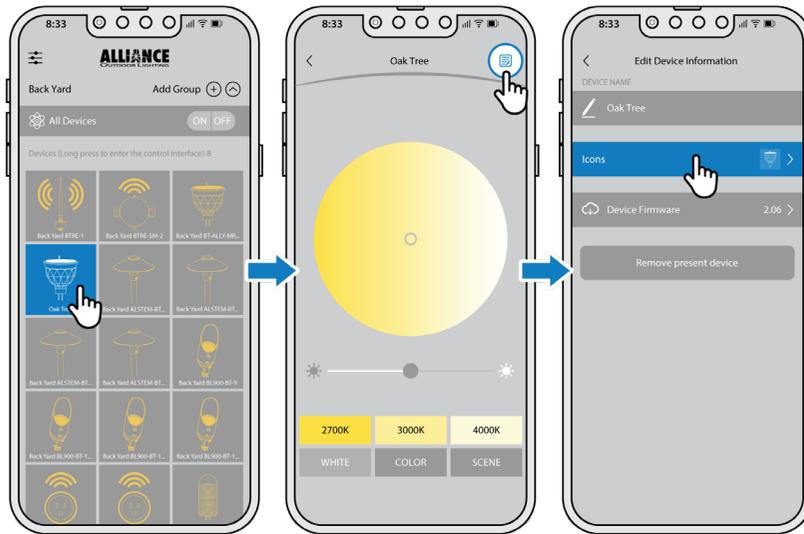
When adding new bt ALLY lamps to an existing system, the new lamp will be in the default “Public-Alliance” network. The new lamp must be added to an existing secured network in order to communicate with the entire bt system.



IMPORTANT TO KNOW ABOUT SECURED NETWORKS

- A secured network ensures that **only those with permission can access** the bt lighting system.
- A secured network **increases signal strength**
- Once a device has been added to a secured network, that device is now **locked into that secured network** and will not be able to be controlled from the default home (Public-Alliance) network.
- If a secured network is deleted while a device is still attached to that network, the user **will not be able to access that device** from the default home network.
- It is **very important** to remove all devices from a secured network **before deleting** a secured network.
- Only secured networks can access advanced features such as sharing settings and creating themes.

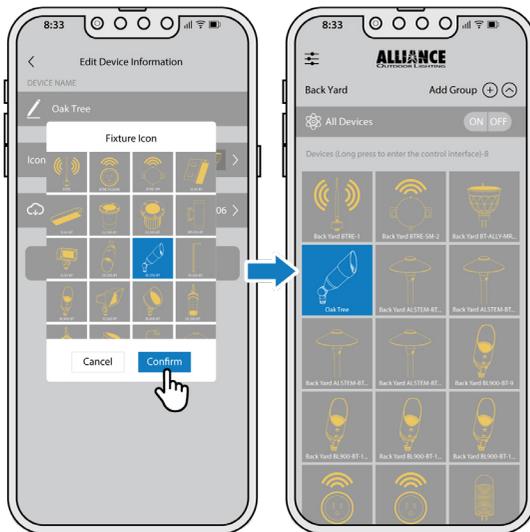
HOW TO CHANGE A FIXTURE ICON



Step 1: From the home screen, long press on the icon you want to change to bring up the control panel.

Step 2: Click on the page icon in the upper right corner to bring up the edit device panel.

Step 3: Click on the icons section to bring up the fixture icon selector window.



Step 4: Select the desired icon and click the "confirm" button.

Step 5: The icon is now changed in the dashboard.

Q: When using the Alliance BT App, I have trouble getting bt ALLY lamps to connect to the app reliably. How do I resolve this?

A: This is a symptom of poor Bluetooth signal strength in your BT network. The signal from certain bt ALLY lamps is intermittent or non-existent from the place where you are trying to connect. To strengthen your BT network you need to add one or more BT Range Extenders (BTRE).

Q: I have added a new bt ALLY lamp to a BT system but it does not appear on the secure network on my app so that I can control it. How do I resolve this?

A: When adding a bt ALLY lamp to a system it will first appear in the Public-Alliance default network within the app. To add this new bt ALLY lamp to the desired secure network do the following: 1) open the Alliance BT app. 2) select your secured network. 3) tap the settings icon (three lines in the top left corner) 4) tap current network. 5) make sure that your secure network has a highlighted yellow check mark and tap and hold while swiping left 6) then a green add tab should appear. Add your bt ALLY lamps and/or BTRE's there.

Q: I have "grayed out" bt ALLY lamp icons on my BT app screen that do not control any of my bt ALLY lamps. How do I get rid of them?

A: If you long press and hold on the grayed out bt ALLY lamp icon, the app will then open the edit device information screen. From there, tap the "remove present device" tab displayed in red to remove that bt ALLY lamp.

Q: I uninstalled the app and now my secured network name does not show up on the network selector. How do I get my secured network name to show up again?

A: Uninstalling the app will delete any secured networks. To gain access to the bt ALLY lamps the secured network can be recreated however, it is crucial that the format of the name is exactly as it was before it was deleted. The secured network name is case sensitive. We recommend writing down any secured networks when they are created and taking a screen shot of the secured networks to have as a record. If the secured network cannot be recovered, a bt reset must be performed in order to reset the bt ALLY lamps to the default network. From there the bt ALLY lamps can be added to another secured network.

Q: Some parts of the bt app are missing, how do I see all of the app on the screen?

A: If the phone is set to enlarge text or zoom the view, there may be some parts of the app that will hide behind enlarged text. Reduce the text size from the phone's settings until the entire screen can be seen on the app.

Q: When controlling my lights I noticed that 2 bt ALLY lamps will respond to the same icon. How do I assign a separate icon for each bt ALLY lamp?

A: A Bluetooth® Mesh system does have the potential of assigning the same id to multiple bt ALLY lamps, we like to call these "twins" or "shared id's." Usually, twins are separated when creating a secured network as new id's will be assigned when adding bt ALLY lamps into a secured network. If you have twins within a secured network you will need to separate them by removing them from the secured network (refer to page 13) and then re-introducing them to the secured network one at a time. To do this remove power from one of the bt ALLY lamps by disconnecting it from the wire run, add the powered bt ALLY lamp to the secured network, then re-wire the first bt ALLY lamp to the wire run and add it to the secured network.

ALLIANCE

OUTDOOR LIGHTING



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