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Scan this QR Code for our complete setup guide video

Scan QR Codes on other pages to watch the video related to that page.









- Group
- Change RGB Colors
- Custom Scenes

BL200-bt

The Original bt









FL50-bt

Powerful and compact

flood light. Use as an

accent light or wall wash

HL100-bt Hanging light with 18" chain and an eas



HL200-bt Hanging light with 18" chain and a twinkle cut shroud

GL-bt

GL-bt
Ground light available

paths and posts.













ALSTEM12-bt

Light up an area with this bt stem. Hat sold separately.

FL200-bt

Extra powerful flood light with a

120° beam spread

















UL100-bt



paths and posts









If you read anything in this book, read this.

THE BT-RE IS REQUIRED AND THERE IS NO SUCH THING AS TOO MANY BT-RE'S!

The bt-RE range extender is the most important device of a bt system. Without the bt-RE, you will have trouble setting up and using a bt system. With 70x more signal strength than a bt fixture, the bt-RE increases signal strength and communication between bt fixtures. The 1w bt-RE includes a 10' wire lead that can be wired in just like the bt fixtures, a 5db external antenna and a Bluetooth® module that is housed by solid brass. No matter how many or few fixtures you have installed, the bt-RE is a must.

The bt-RE must have a line of sight to the bt fixtures and their antennas, do not try to hide the bt-RE behind rocks, walls, large trees or any other structures or that will cancel out all of the benefits of the bt-RE. The bt-RE can mount to risers, round mounting bases or down light brackets to get them higher off the ground where they have a better line of sight to the bt fixtures.

There is a small led indicator on the bt-RE, a red light indicates that the bt-RE is in the default "Alliance" network and a green light indicates that the bt-RE is in a secured network. **The bt-RE must be in the same network as the other fixtures in order to communicate with them.** If you have multiple secured networks setup you will need bt-RE's for each network. When trying to figure out how many bt-RE's to install, start with 1, prepare to have an extra bt-RE per every 8 fixtures and always have spares in case you need more, **there is no limit to how many can be on a project** (remember, they only consume 1 watt of power.)

If you are a contractor installing a bt system, make sure you install bt-RE's or expect to be called back to the job. If you are a homeowner, make sure your contractor installs bt-RE's before they leave the job. We promise you, the bt-RE will make your system work better.

What is the bt-RE?

- A Bluetooth Range Extender that increases communication between bt fixtures.
- An installer and end user's best friend
- Absolutely necessary

How many bt-RE's do I need?

- Start with 1, plan for more
- As many as it takes to get all your fixtures talking
- Spares in your truck just in case you need more

Where should the bt-RF be installed?

- In line of sight of the bt fixtures
- **NOT** hidden behind rocks, trees, corners of the house or any other structures
- Higher is better, on risers, in trees, on a roof, or higher elevated grounds
- Try different locations before permanently installing

Do I REALLY need a bt-RE?

Yes, absolutely.



bt Laws and Tips



Law 1. Install a bt-RE on every bt job

- No matter how many bt fixtures are on the job, a bt-RE will always increase communication.
- Be sure to put it in the same network as the fixtures they should connect to.
- Start with 1 bt-RE, prepare to have extras if they are needed (1 for every 8 fixtures)

The bt System and Bluetooth Mesh

- Bluetooth Mesh is a many-to-many connection system.
- The mesh network strengthens with more devices (nodes) in the network.

 $\bullet \ \, \text{bt Fixtures are Blue to oth Mesh nodes and can talk to each other to relay information or commands}. \\$

• Smartphones are not Bluetooth Mesh but can talk to a node in a mesh network.

 \bullet Smartphones will communicate with the strongest node in a mesh network.

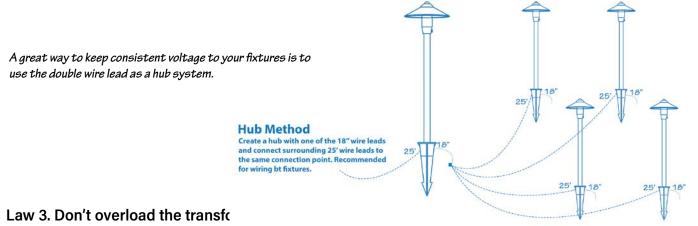
• The bt-RE will always be the strongest node in a bt network.

In this illustration the phone is sending commands to a bt-RE and the bt-RE's are relaying the commands to the other nodes (fixtures) in the mesh network. Note that the orange range extender is installed at higher elevation and has wider coverage while the green range extender is installed at lower elevation and has less coverage.



Law 2. bt Fixtures need 10-14 volts

- Group multiple 25' wire leads with an 18" lead to reduce voltage drop
- Do not daisy chain more than **8 fixtures** on a run
- bt Fixtures can light up at very low voltage, but they will not communicate under 10 volts.



- 30 bt fixtures on a 300 watt transformer, 15 bt fixtures on a 150 watt transformer
- bt fixtures vary between 4 and 11 watts depending on color and intensity settings

Pro Tip 1: Find the Best Location for the bt-RE

- The higher the better, use a riser to get it off the ground.
- Again, higher elevations get better signal, the bt-RE fits on an RMB or DL-Bracket.
- Try the bt-RE in different locations before permanently installing
- Wire one next to a fixture that is having difficulty communicating

Proximity to the transformer makes no difference





Pro Tip 2: Check the Voltage

- Use a voltmeter to confirm 10-14 volts
- Use a transformer with multiple taps, use higher voltage taps if more voltage is needed.

Pro Tip 3: Do a Color Test

- Check that the system works properly with all colors at full brightness.
- Different fixtures have a highest wattage consumer, for example the BL200-bt consumes the most wattage with colors such as purple, teal and pink while the BL400-bt consumes the most wattage when set to 2700K.

Pro Tip 4: Create Secured Networks

- Block access from unwanted users.
- Separates twins and assigns proper icons to different fixtures and range extenders
- Use the end user's phone to create the network
- Take a screenshot of the QR code and send it to the end user if they are not available during the initial setup or make sure they have the proper name of the secured network (case sensitive.)
- Consider setting up multiple secured networks for different sections of the property

Pro Tip 5: Use the color feature to troubleshoot

When unsure if you have control of a fixture within a network, select All Devices>Control>and pick
any color, any fixture that did not change color is either not communicating or hasn't been added to
the network. Stand by that fixture and use the process on page 15 to make sure it goes into the
network, which will be confimed when it blinks off and on.

Pro Tip 6: Managing "Twins"

- "Twins" are fixtures that share the same id's, they would be controlled by the same icon
- Most twins should be separated when a secured network is created
- If twins occur in the secured network, remove both fixtures from the network (pg 15) and then add both fixtures back to the network one at a time (remove power from one of the fixtures during the add device process)

(1)

Getting Started: Download the bt app

- Available in the Apple App Store and Android Google Play Store
- Search "Alliance bt" and download the app with the blue icon
- Or, scan the QR codes below to go directly to the download page









Download from Apple Devices





Download from Android Devices

Basic Functions of the bt App

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



Color temperature can be adjusted with preset buttons. A color wheel can also be used for more precise adjustments. Dimming is adjusted with the slider.



RGB colors can be selected with preset buttons for red, green, blue, purple, and amber. Customized default colors can be created by clicking and holding down on a default color. A RGB wheel can also be used to select additional colors. Dimming is adjusted with the slider.



Preset scenes can be selected for season and holidays. Custom scenes can be created by clicking and holding on a scene. Color cycle times can be adjusted with the slider.



IMPORTANT TO KNOW

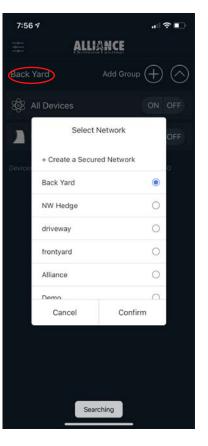
- A secured network ensures that only those with permission can access the bt lighting system.
- A secured network increases signal strength
- Once a fixture has been added to a secured network, that fixture is now locked into that secured network and will not be able to be controlled from the default home/Alliance network.
- If a secured network is deleted while a fixture is still attached to that network, the user will not be able to access that fixture from the default home network.
- It is very important to remove all fixtures from a secured network before deleting a secured network.

Network Selector

When the app starts up the first screen that pops up is the network selector.

This will show you a list of networks that have already been created as well as the default home (Alliance) and a Demo mode.

To access this selector from the dashboard, click on the network name towards the top left corner.



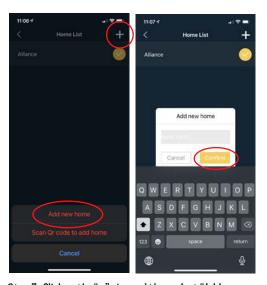
Creating a Secured Network

PLEASE NOTE: If you plan to create a secured network, and you also plan to name your fixtures and create groups, you should create the secured network first. When you put fixtures into a secured network, they will lose any naming or grouping that was created prior to being placed into the secured network.

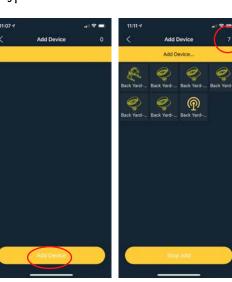


of the dashboard. (Shown circled in red)

Step 1: Click on the settings Step 2: Click on the name button in the top left corner of the current home. This will bring up your list of available networks.



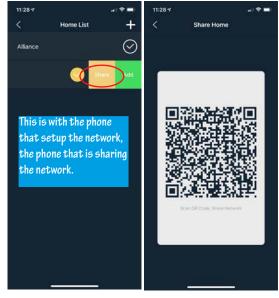
Step 3: Click on the "+" sign and then select "Add new home" to create a new network. Name the secured network. Record the network name that has been created for future reference. Click the "Confirm" button to complete naming the network. The network name is limited to 10 characters, DO NOT USE AUTOFILL when naming!



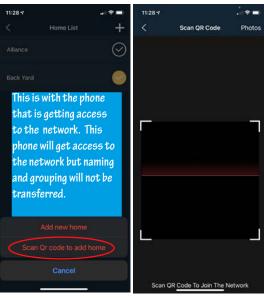
Step 4: Click on the "Add Device" button and walk around to the bt devices being added to the network. The number in the top right corner will update as the fixtures are added, indicating how many fixtures have been added.

Scan the QR code on page 14 to watch the video on sharing a secured network.

PLEASE NOTE: Sharing a secured network with another user allows them to access and control the fixtures, however, it does not transfer any naming or grouping.



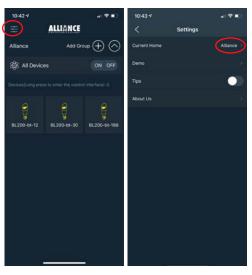
Step 1: With the device that originally set up the secured network, click and drag left on your the network you want to share until you see a green box and a yellow box. Click on the yellow "Share" box to bring up the QR code.



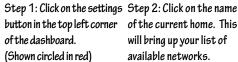
Step 2: Using the device that you want to share the secured network with, click on the "+" sign and then select "Scan QR code add home" to scan the QR code from the original device. Once the QR code is scanned, the secured network is shared.

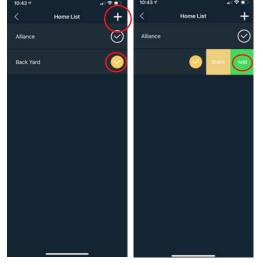
Adding a new device to an existing Secured Network

PLEASE NOTE: When adding fixtures to an existing system, the new fixture will be in the default "Alliance" network. The new fixture must be added to an existing secured network in order to communicate with fixtures in the secured network.

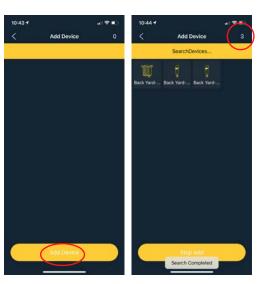


of the dashboard. (Shown circled in red)





Step 3: Confirm that the existing network's check mark is highlighted in yellow. With your finger hold on the network name and drag left halfway across the screen until you see a green "Add" button. Click on the "Add" button.



Step 4: Click on the "Add Device" button and walk to the new bt devices being added to the network. The number in the top right corner will update as the fixtures are added, indicating how many fixtures have been added.



How to Customize Preset Colors and Scenes

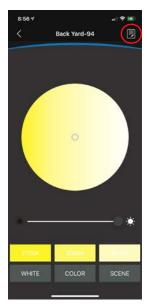


Removing a device from a Secured Network

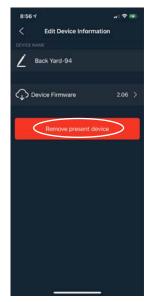
PLEASE NOTE: Removing a device from a secured network is the only way to make it accessible to the default home again. Deleting a secured network without removing the devices that are attached to it first will cause the devices to be inaccessible.



Step 1: Long press on the icon of the lamp you want to remove to bring up the control



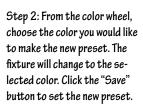
Step 2: Click on the page icon in the upper right corner to bring up the edit device panel.



Step 3: Click on the red "Remove present device" button to remove the device from the network.

Custom CCT Presets

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



The new color is now the preset option.









Custom RGB Presets



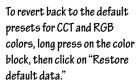


Custom Scene Presets







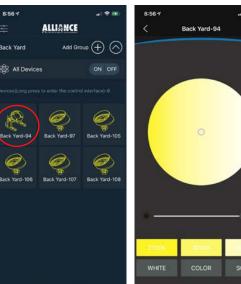




How To Change a Fixture Icon

Back Yard-110





long press on the icon of the

lamp you want to rename to

bring up the control panel.

WHITE COLOR SCENE

in the upper right corner to

bring up the edit device panel.

Edit Device Information Back Yard-94 Device Firmware

Step 1: From the home screen, Step 2: Click on the page icon Step 3: Click on the current device name to bring up the input device name window.

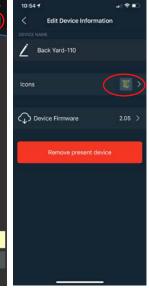


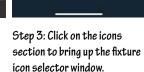
Step 4: Use the keyboard to name the fixture and then click the dashboard. the yellow "Confirm" box.

The fixture is now renamed in



















ALLIANCE

Back Yard

Add Group (+)

How To Create a Group





Step 1: From the home screen,

click on the "+" sign next to

"Add Group." To see all your

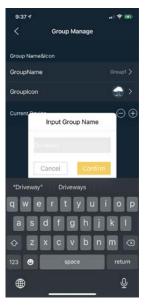
upper right corner.

groups, click on the icon in the

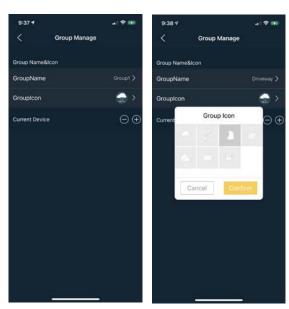


options panel. Select "Manage" to bring up the group manage

Group Name&lcon GroupName Groupicon Current Device Step 2: Click on the group you want to control to bring up the



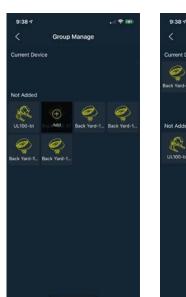
Step 3: Click on the "GroupName" to bring up the "Input Group Name" window. Use the keyboard to name the group and then click the yellow "Confirm" box.



Step 4: Click on the "Grouplcon" button and select an icon from the pop up window and then click the yellow "Confirm" box.



Step 5: Click on the "+" sign to the right of where it says "current device" to bring up the add device to group panel.



Step 6: Double click on the icons for the fixtures you want to add to the group. A single click will bring up a "+" sign over the icon, a second click will confirm that you want the fixture added to the group. The fixture will blink off and on as it is being added to the group.



Working with Groups

- A single fixture can be in multiple groups.
- A single fixture in a group can be controlled individually or within the group.
- Every fixture will follow with the last command it was given. When the fixture turns off and comes back on it will hold the setting of the last command it was given.
- Groups are different from secured networks, a group will be a part of a secured network. You may prefer to "Group" your fixtures as separate secured networks, for example "Front Yard" and "Back Yard."

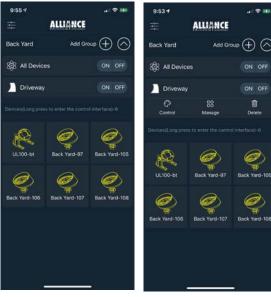


Step 1: From the home screen, click on the group you want to control. In this example a quick click on "Driveway" will bring up the group control panel.



Step 2: Click "Control" in the menu that pops down to bring up the control panels for CCT, RGB and Scene options.

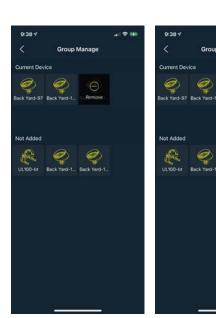
Removing a device from a Group



Step 4: Click on the Group button and select "Manage" from the pop down menu to bring up the Group Manage panel.



Step 5: Click on the "-" sign to the right of where it says "current device" to bring up the Current Device panel.

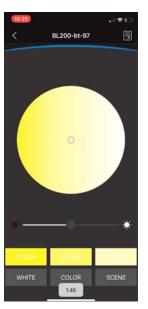


Step 3: Double click on the icons for the fixtures you want to delete from the group. A single click will bring up a "-" sign over the icon, a second click will confirm that you want the fixture deleted from the group.

- Firmware controls how the bt fixture behaves during commands, most noticeably in the "Scenes" mode.
- Firmware does not need to be updated for basic functions of the bt app.
- The original bt firmware is 1.45, these fixtures can have their firmware updated by using an OTA process.
- If different bt fixtures have different firmware the scene cycles might not sync up.
- Firmware can be updated but cannot be reverted.
- Only one fixture can be updated at a time.
- The fixture needs to be on and the device needs to be very close to the fixture during the update process.



Step 1: From the home screen, long press on the icon of the fixture that you want to update.



Step 2: Make note of the firmware version that appears at the bottom of the screen. Click on the page icon in the top right corner to bring up the Edit Device panel.



www.allianceoutdoorlighting.com/bt-support

Visit our online video library to learn more about the bt family of products.

Step 3: Make note of the firmware version that appears at the bottome of the screen. Click on "Device Firmware" to bring up the Device OTA panel.



Step 4: Read the on-screen instructions then click on the "Start OTA" button.



Step 5: Stay near the fixture during the update process. The screen will show the progress of the process. When the update is successful the fixture will blink a few times.

How to Troubleshoot



If you are experiencing the following scenario:

Lights are not on

Then follow these troubleshooting steps

- 1. Make sure the transformer is on.
- 2. Make sure the fixtures are not dimmed all the way down. A fixture that is turned off with the icon on the main page will come back on when the transformer comes on. A fixture that is dimmed all the way down will remained dim when the transformer comes back on.

If you are experiencing the following scenarios:

- Fixtures appear and reappear on the screen
- Cannot find specific fixtures
- Losing connection to fixtures

Then please refer to Law 1:

Law 1. Install a bt-RE on every bt job

- A bt-RE should be on every job no matter how big or small.
- The bt-RE must be in the same network as the fixtures it is supposed to control.
- There is no limit to how many bt-RE's can be installed.
- The bt-RE should have a clear line of site to the antennas on the bt fixtures.
- A green LED indicator on the bt-RE means that it is in a secured network

And Law 2:

Law 2. bt Fixtures need 10-14 volts

• A bt fixture can illuminate under 10 volts, but the signal needs 10 volts to be strong enough to communicate.

Most problems occur when the bt laws are broken and the bt tips are ignored



If you are experiencing the following scenarios:

I can not find my fixtures anymore

Then please follow these troubleshooting steps:

- 1. Make sure your Bluetooth® and Location services are enabled
- 2. Make sure the lights are turned on
- 3. Try all secured networks and the default ALLIANCE network

Perform a system reset to set all your fixtures back to the default network.

- 1. The reset is done at the transformer.
- 2. Timing is very important, it is better to follow along with the video found in the video library (QR code and web address below.)
- 3. Start in the off position
- 4. Turn on for 2 seconds then turn off.
- 5. Turn on for 2 seconds then turn off.
- 6. Turn on for 8 seconds then turn off.
- 7. Turn on after 2 seconds.
- 8. Lights will blink when the reset is succesful.



Visit our online video library to learn more about the bt family of products.



West Coast Hub: Temecula, California East Coast Hub: Sanford, Florida

www.allianceoutdoorlighting.com