

# ASTERA FIXTURE BASICS

## Fixture overview:

- All Astera fixtures are battery powered, and able to be controlled via the AsteraApp or wireless DMX, with use of an AsteraBox as a transmitter. They can also be run in standalone mode, and with wired power and/or DMX.
- Fixtures will hold their last programming if signal is lost
- Batteries can last up to 20 hours. Battery life can be adjusted - the instrument will self-modulate its brightness to match. The default Got Light setting is 10 hours.
- Fixtures are IP-65 rated IF AND ONLY IF the rubber caps over the sockets are closed

## Turning lighting fixtures on:

- Press the power button for 1-second ONLY. Pressing it for longer can cause the lights to become unpaired.
- If using multiple AsteraBoxes, and if possible, please turn on all the lights going to a single Box plus said box at a time.

## DMX modes overview:

- Astera fixtures can be set to multiple different color modes (ex: RGB, RGBA, RGBAW, dimmer+RGB, etc), plus with or without strobe functionality.
- Additionally, the Astera tubes can be set to a certain number of pixels for more granular control. Pixels are always numbered starting from the end of the tube with the screen



Titan Tube in 4-pixel mode

## Onboard Control Panel

Top Navigation	Inside Main Menu
On/Off	
Main Menu	Back to previous menu
Reset Settings	Scroll down
Change Input Select	Scroll up
Set DMX Address	Choose/Confirm
Color Adjustment	
Brightness and runtime control	

# ASTERABOX BASICS

## AsteraBox overview:

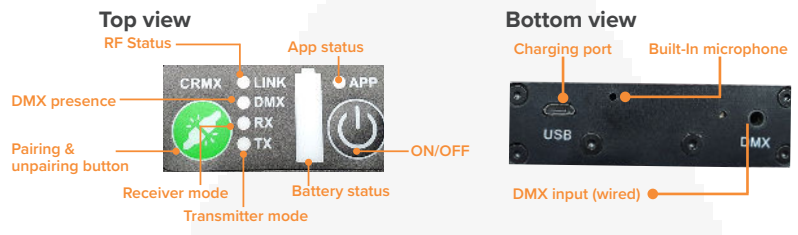
- AsteraBoxes are used as transmitters for either data from the AsteraApp or wireless DMX (CRMX) data.
- In DMX mode, each box can transmit (1) universe of DMX addresses
- AsteraBoxes have an internal battery, rated for 8-10 hours using CRMX or 72 hours using the App.

## Turning AsteraBox on:

- Press the power button for 1-second.
- If the box is on already, pressing the power button again will display the battery status

## AsteraBox indicator lights:

- App status: Flashing slow = not connected to AsteraApp  
Flashing fast = connected
- Link (while in TX mode): Solid = DMX adapter plugged in (which signals to the Box to use DMX)  
Flashing fast = Currently linking to fixtures      Flashing slow = Currently unlinking
- DMX: Solid = Receiving DMX data from lightboard
- RX/TX - Marks what mode the Box is in. For our purposes, it should always be in TX (transmitter) mode. To change modes: 1) Plug in the DMX adapter. 2) Press the green button 5 times quickly, and then hold it for 3 seconds. The DMX and the Link lights should start blinking. 3) Use the green button to toggle between modes. 4) Hold the green button for 3 seconds to save.



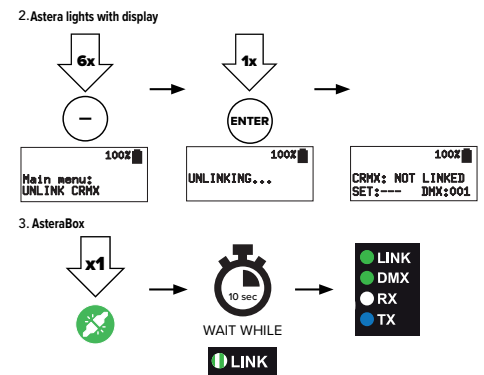
## Best practices for AsteraBoxes:

- Leave the Box(es) plugged into hard power while in use. This will help boost the signal.
- Get AsteraBoxes above head height if possible, and if you are using multiple Boxes, try to space them apart. This will help with signal interference.

# USING ASTERA FIXTURES VIA DMX

## To pair to an AsteraBox:

- All fixtures should come pre-paired to an AsteraBox. To pair manually:
  - 1) Make sure the fixture is in CRMX mode (Main Menu > Input Select > CRMX)
  - 2) Clear any previous pairing the fixture has (Main Menu > Unlink CRMX).
  - 3) Press the green button on the AsteraBox ONCE. Wait 10 seconds for the Link indicator light to stop blinking.
- MAKE SURE NOT TO HOLD DOWN THE GREEN BUTTON. Holding it down for 3+ seconds will unpair it from ALL fixtures
- Multiple fixtures can be paired at once this way



**Blacking out units:** For multi-day shows, you can leave the fixtures powered on and blacked out via the lightboard. They will lose 5-7% battery life per 24 hour period.

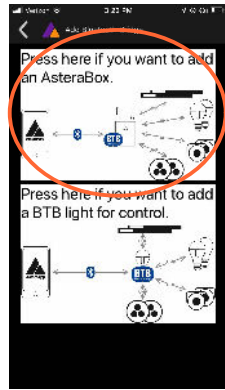
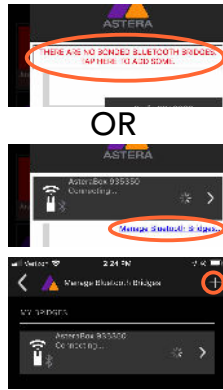
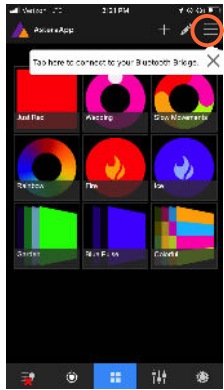
# USING ASTERA FIXTURES VIA APP

## AsteraApp overview:

- The AsteraApp can be used to change settings on fixtures, set colors and/or effects, and put into standby mode
- The App connects to an AsteraBox via bluetooth, and uses the box to communicate to fixtures.
- The App is run off of a Samsung Tablet, which will be included with each AsteraBox. You can also download it onto your phone.
- Fixtures will save their settings when the Box/App is removed, as well as through being power cycled.



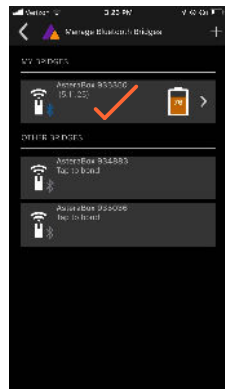
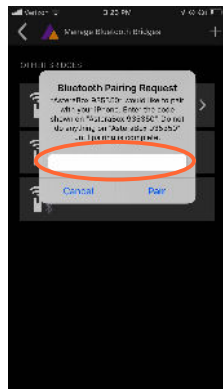
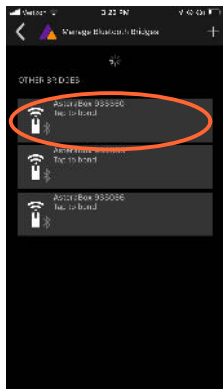
## Pairing to an AsteraBox:



1) Get to the main menu by clicking the three lines at the top right

2) Either click the red text at top OR  
2) Click on "Manage Bluetooth Bridges", then on the + icon

3) Press the image to add an AsteraBox



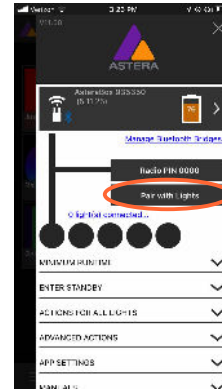
4) Select the AsteraBox you are trying to pair with - IDs number are on the back

5) Enter the PIN number from the back of the AsteraBox

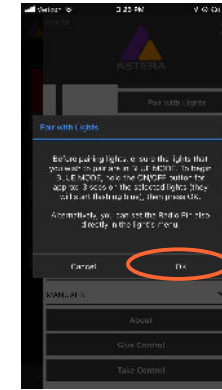
6) You will now see the AsteraBox listed under "My Bridges", meaning it has successfully paired

## Pairing to fixtures:

1) Put the fixtures in "blue mode" by holding down the power button for 3 seconds; it will start blinking blue when ready



2) On the main menu, click "Pair With Lights"



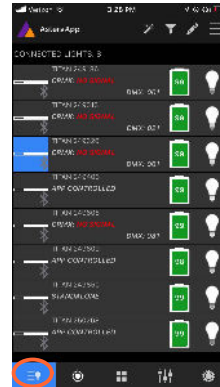
3) Press "OK" on the popup. The lights will start pairing.



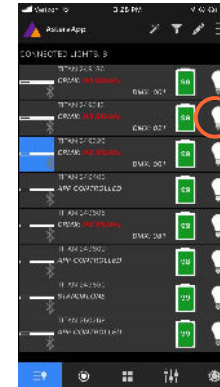
3) You will see the number of lights connected start counting up.

BE PATIENT! It takes time for the App to detect all the lights

## Flashing through fixtures:

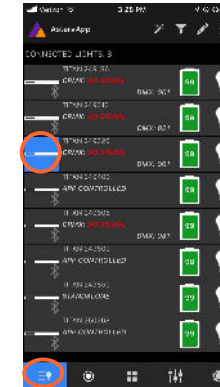


1) Go to the list of connected lights - it's the little lightbulb with lines next to it

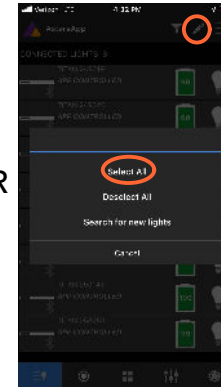


2) Click on the lightbulb to turn the corresponding fixture on in white

## Selecting fixtures:



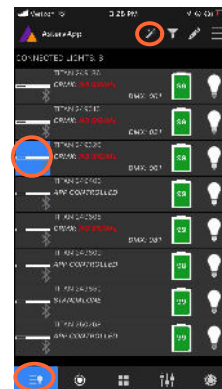
Click on the icon to the left of an individual instrument to select it, or hold down the icon to select all



Click the pencil icon on the upper right, then click "Select All"

## Changing fixture settings:

Select one or multiple lights, then click the magic wand icon on the upper right to get to the settings screen



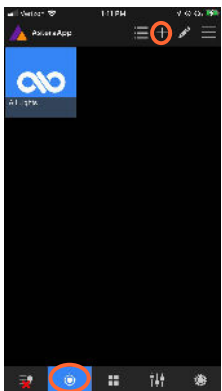
You can also flash lights from here

Battery life setting

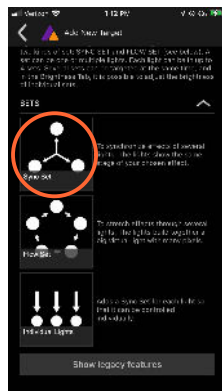
Input mode - should be APP or AUTO

Use this to reset all settings. Will also clear out any old lights that are no longer paired

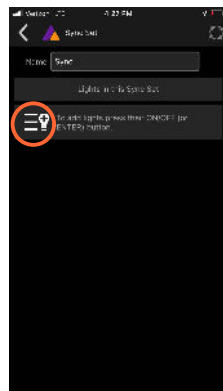
## Assigning fixtures to a group:



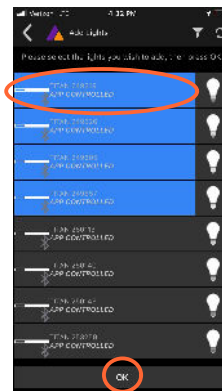
1) Get to the groups list by clicking the target icon. Add a new group by clicking the + icon at the upper right



2) Select Sync Set. This will make a group of fixtures that will all change together



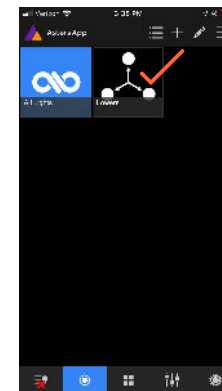
3) Click the lightbulb icon OR  
3) You can also add fixtures by physically pressing their Enter button - skip to step 5



4) Select all fixtures that you want to add to the group. You can use the lightbulb icon to flash through them. Click "OK" when done.



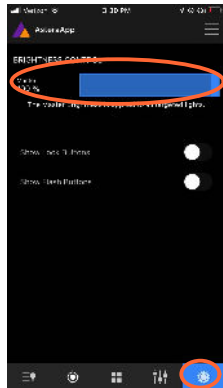
5) You will see a list of all the fixtures that have been added to the group. You can label the group at top. Click the back arrow when done



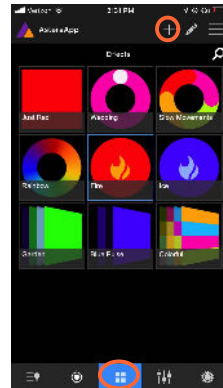
6) Your group will appear on the groups list. Click it to select just the instruments in that group - it will turn blue when selected.

## Changing Brightness:

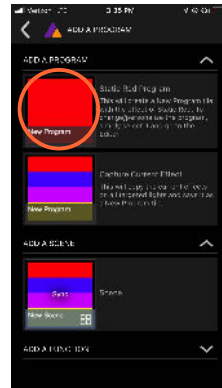
Select instruments via groups or through the paired lights list; go to rightmost menu (marked with a sun icon) to adjust brightness



## Changing colors:



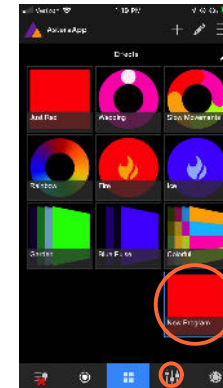
1) Get to the color and effects list by clicking the four squares icon, then press the + icon



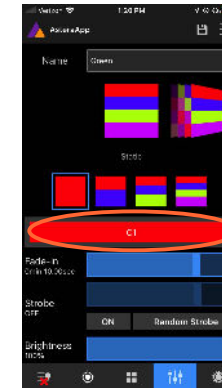
2) Select the static red program



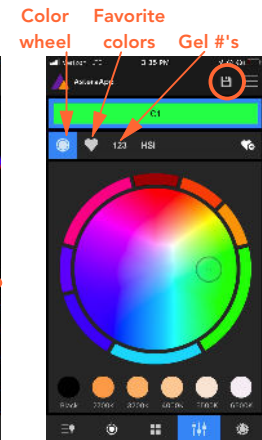
3) Choose an empty square to store your new color program in



4) Select your color program, then go to the settings menu via the sliders icon



5) Click on the big red bar to change it to another color



6) Select your color. Click on the floppy disk in the upper right to save it when done

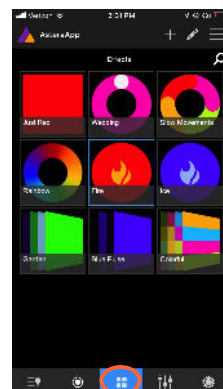
## Adding colors to favorites:



Once you have a color you like, you can click on the heart+ icon on the right to favorite it

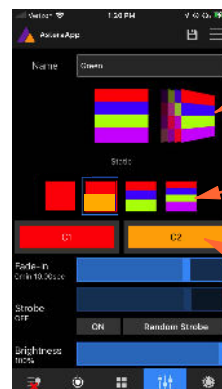
Now in the future, you can go to the heart menu on the left to easily access that color again

## Using effects:



1) The app comes with some pre-programmed effects in the middle menu

2) These can be added and edited the same as colors, as described before



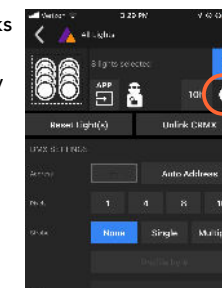
Types of FX

# of colors

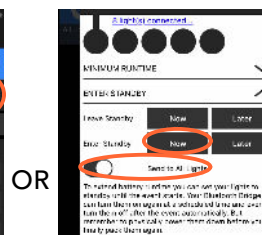
Click here to edit colors

## Putting fixtures in Standby mode:

-Standby mode blacks out the fixtures in order to save battery  
-There is a 5-7% battery loss every 24 hours in this mode



Select light(s) and go to settings. Click the moon icon.



OR

Go to the main menu and click "Enter Standby: Now". Make sure "Send to All Lights" is toggled