FlareCON

User Manual

CHAUVET DJ

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Edition Notes

The FlareCON User Manual includes a description and instructions for programming and using the FlareCON as of the release date of this edition.

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Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

Intended Audience

Any person operating this product should completely read through this manual before operating this product.

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Document Revision

This FlareCON User Manual is the 1st edition of this document. Go to www.chauvetdj.com for the latest version.

1. Setup

Downloading the App

The FlareCON app is available from the Google Play Store or the Apple App Store. The FlareCON Air 2 wireless transceiver is not required at the time of downloading or installing the app, but it is required to control lights. For more information about downloading and installing apps onto your mobile device, see the documentation that came with your mobile device.
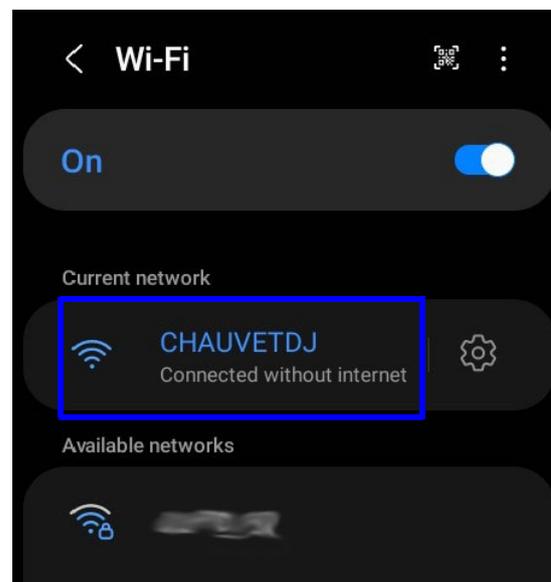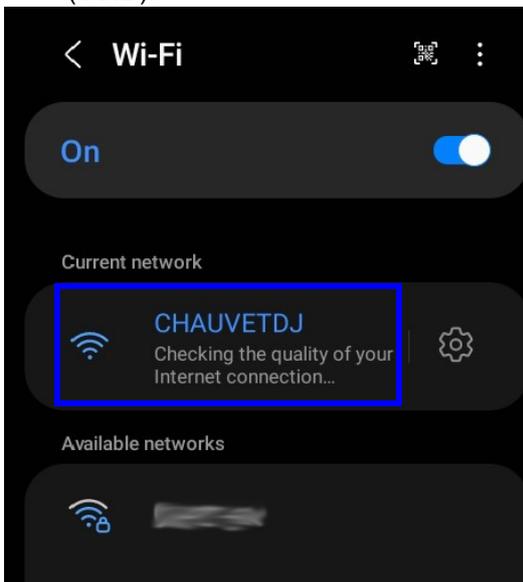
> **Before connecting to the FlareCON Wi-Fi network, ensure that the FlareCON Air 2 is in Wi-Fi mode. For further instructions on setting the FlareCON Air 2 to Wi-Fi mode, see the FlareCON Air 2 User Manual at www.chauvetdj.com**

Connecting to the FlareCON Wi-Fi Network

The WELL COM generates a Wi-Fi signal, which a mobile device running the app must connect to in order to control any lights.

1. Hold **<MENU>** and **<ENTER>** for 3 seconds to power on the FlareCON Air 2.
2. Turn on Wi-Fi on your mobile device.
3. Go to the Wi-Fi settings on your mobile device and connect to the FlareCON Air 2 default Wi-Fi (SSID).

While connecting to the Internet, it will display "Checking the quality of your Internet connection...". Once connected to the FlareCON Wi-Fi, it will display "Connected without Internet".
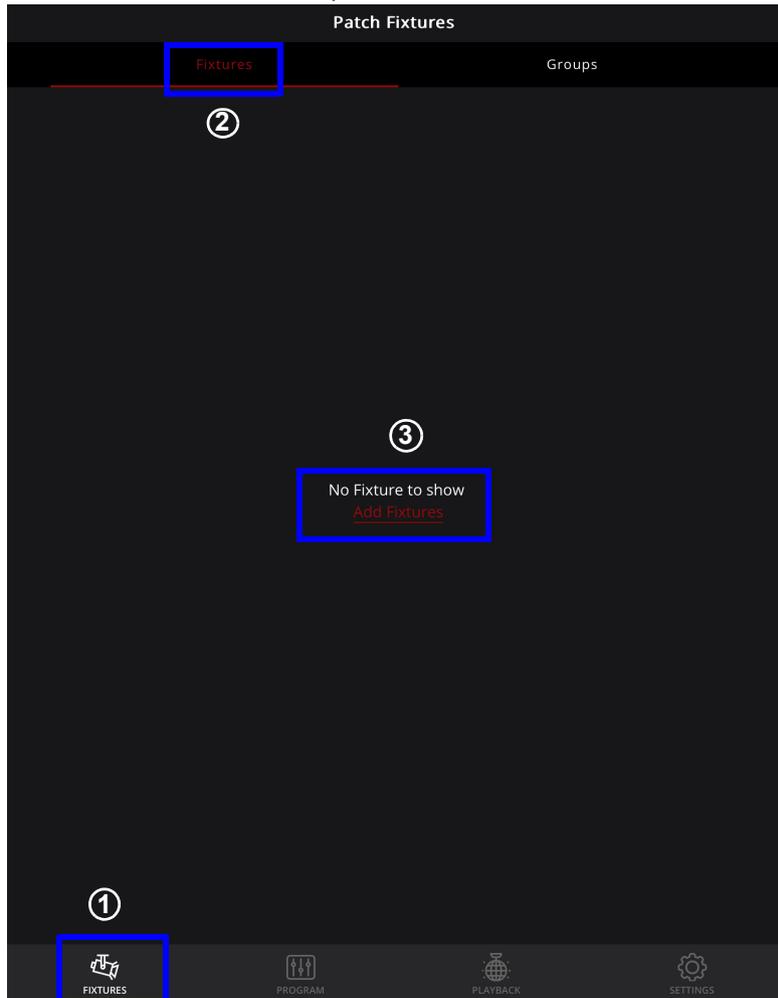
FIXTURES

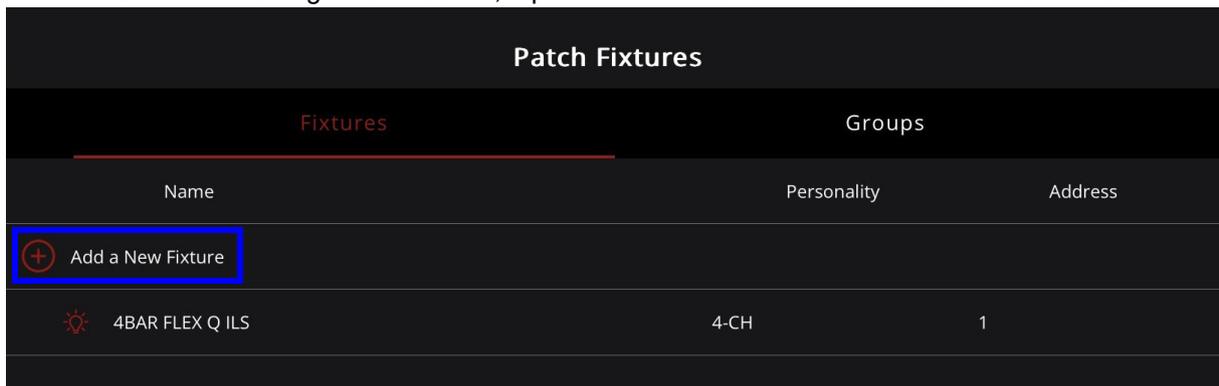The FlareCON app allows users to patch single fixtures or to add fixtures to groups.

Fixtures

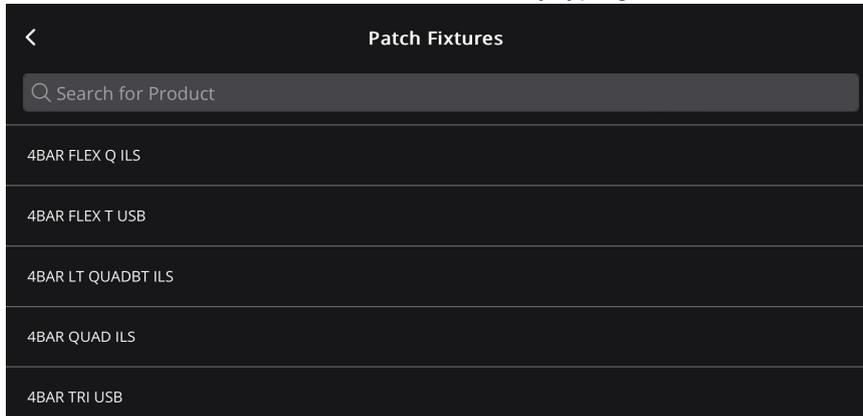**To patch a single fixture:**

1. Locate and tap the **FIXTURES** icon at the bottom of the page.
2. Select the **Fixtures** tab at the top of the page. This will display the previously patched fixtures.
3. If there are no existing fixtures saved, "No Fixture to show" will be displayed. Tap **Add Fixtures** to view the available fixtures that can be patched.
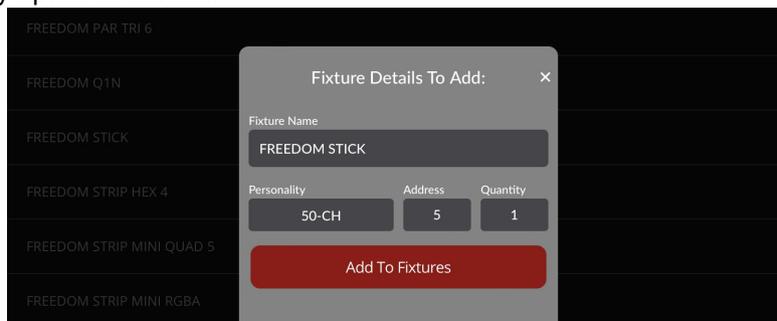

4. If there are existing fixtures saved, tap **Add a New Fixture** to view the available fixtures.

5. Select from the list of fixtures or search for fixtures by typing the name in the search bar.

6. After selecting the fixture, the **Fixture Details to Add** box will appear. Set the Fixture Name, Personality, Address, and Quantity before tapping **Add To Fixtures.** Note that the available personalities for each fixture will be automatically displayed in a drop-down box once the Personality option is chosen.
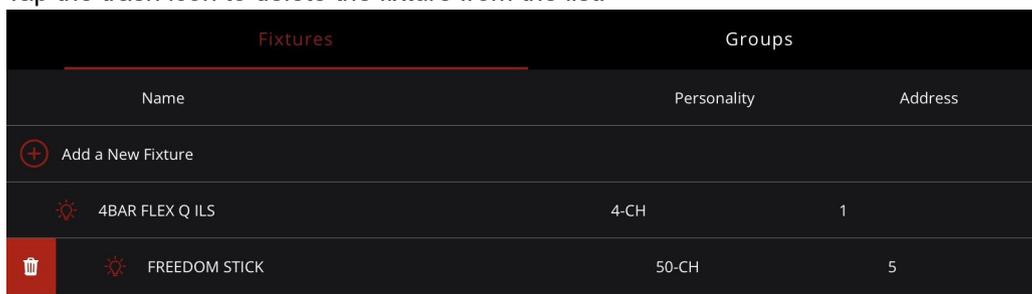

7. The newly added fixture will appear on the **Fixtures** section.

To delete a fixture from the list:
1. Go to the **Fixtures** section.
2. Tap and hold the name of the fixture and swipe left or right for the trash icon to appear.
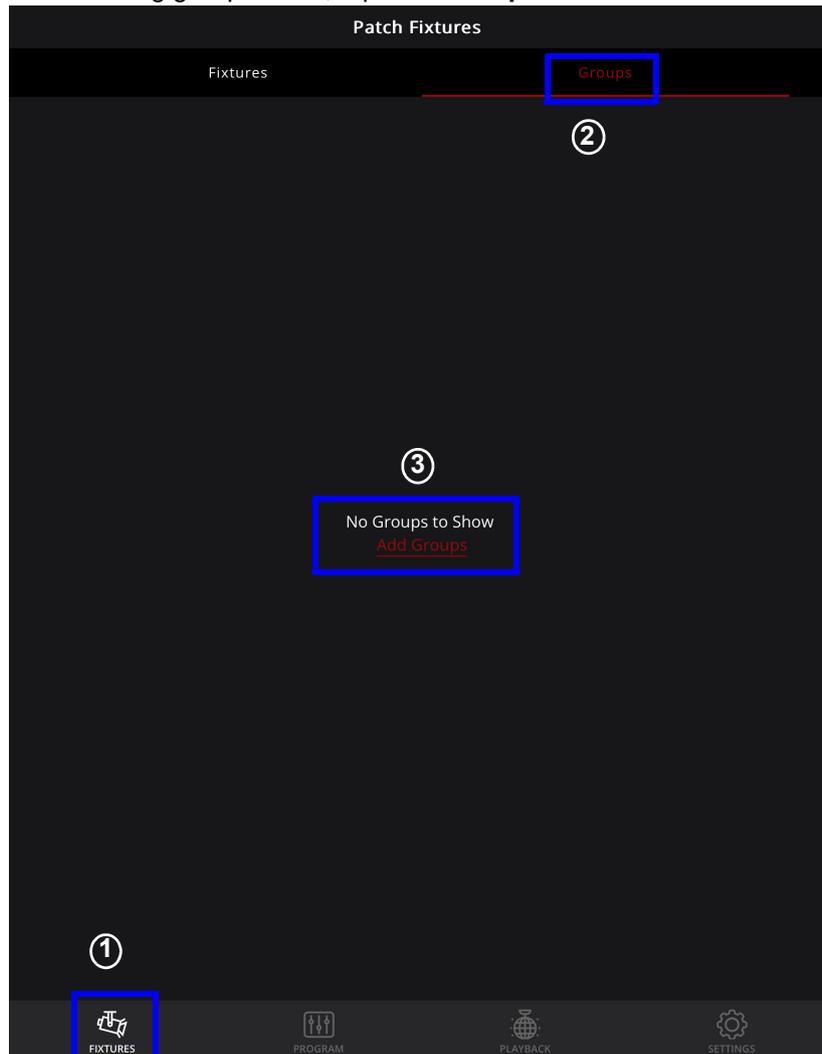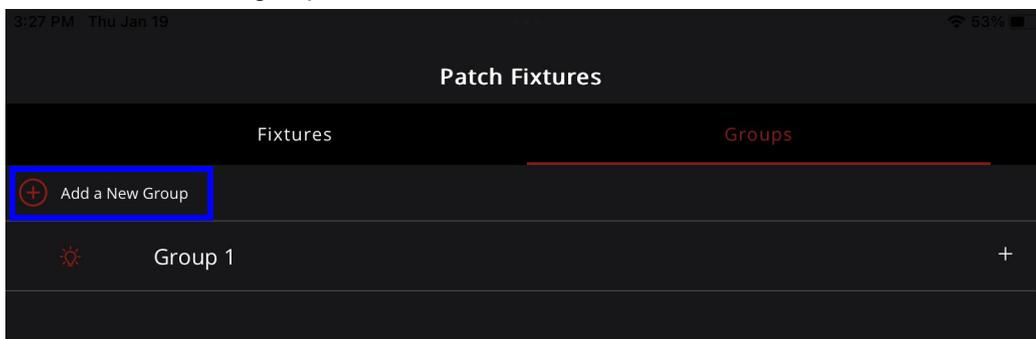3. Tap the trash icon to delete the fixture from the list.

Groups

The **Groups** tab lists all groups and allows users to add new groups, highlight an entire group, view fixtures listed in a group, or delete a group from the list.
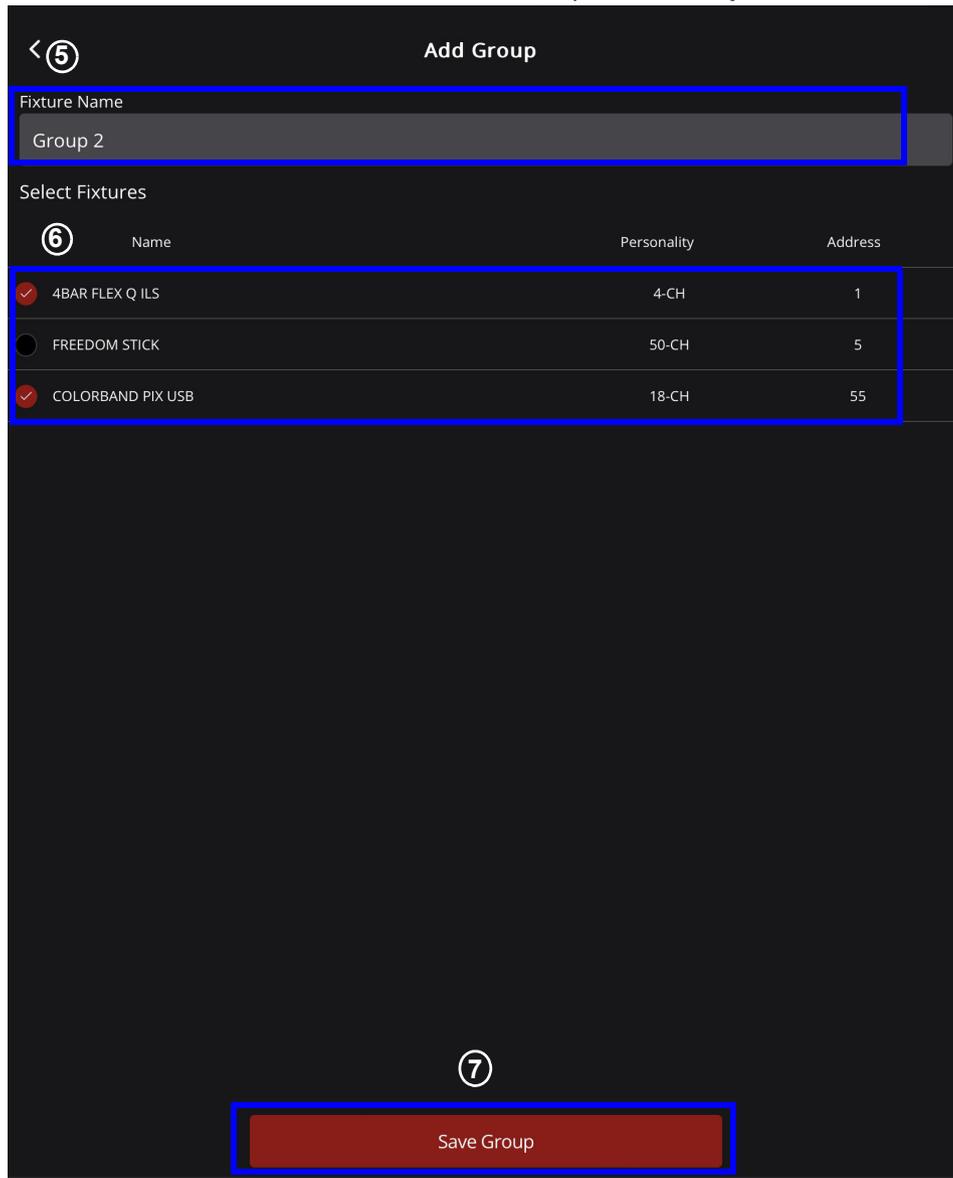
To add a new group:

1. Locate and tap the **FIXTURES** icon at the bottom of the page.
2. Tap the **Groups** tab at the top of the page. This will display the groups that have been previously created and saved.
3. If there are no existing groups listed, tap **Add Groups.**
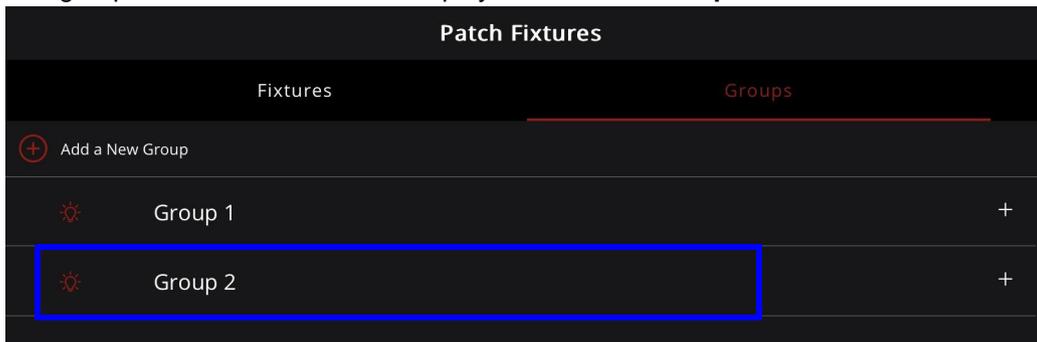

4. If there are existing groups listed, tap **Add a New Group**, and follow instructions 5–7 below on how to create a new group.

5. Enter a group name in the **Group Name** bar.
6. Select the desired fixtures from the **Select Fixtures** list.
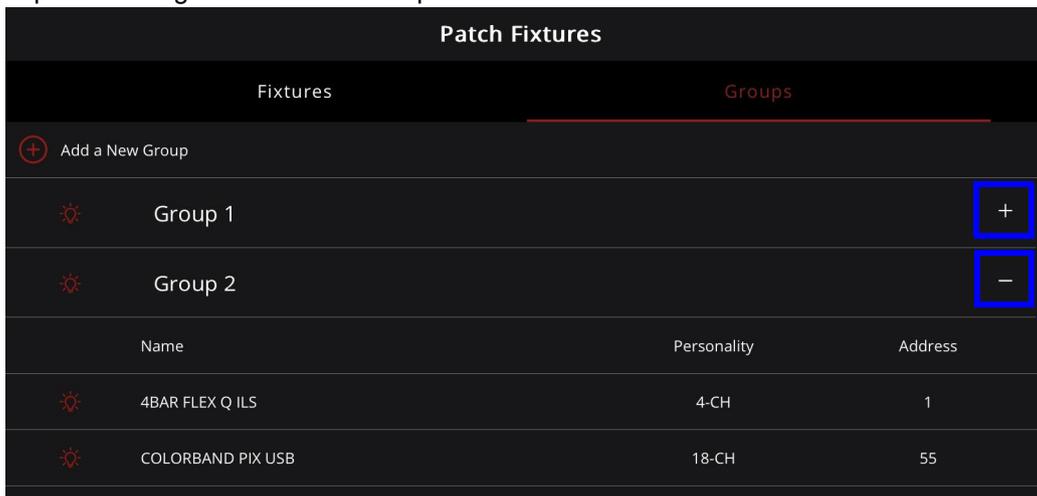7. When more than one fixture have been selected, tap **Save Group**.

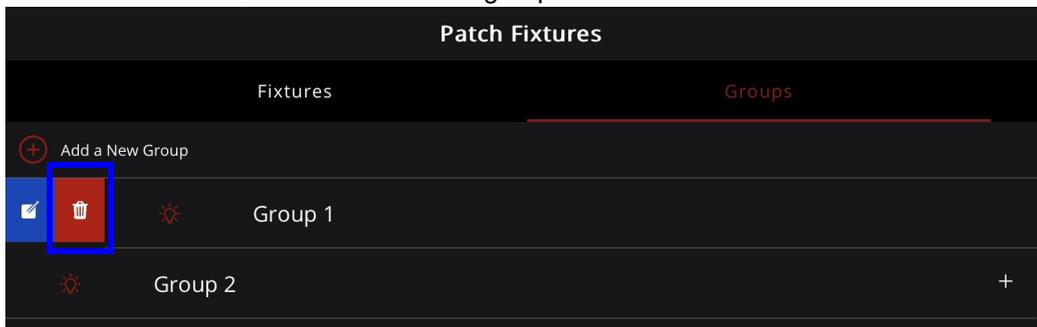8. The group will now be added and displayed under the **Groups** tab.

To view the fixtures saved to a group:
1. Identify the desired group in the **Groups** section.
2. Tap the **<+>** sign to enable the drop down list of fixtures.
3. Tap the **<–>** sign to disable the drop down list of fixtures.

Patch Fixtures		
Fixtures	Groups	

Add a New Group

Group 1   +

Group 2   –

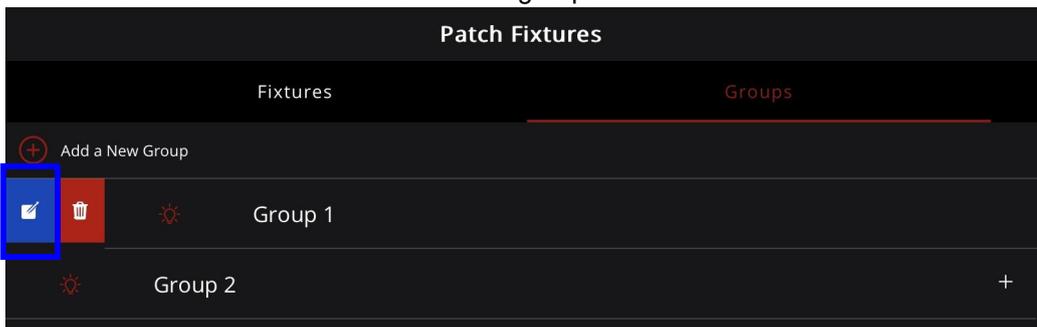| Name	Personality	Address
4BAR FLEX Q ILS	4-CH	1
COLORBAND PIX USB	18-CH	55

To rename a group and edit the fixtures added to it:
1. Tap the group name and swipe left or right for the note icon to appear.
2. Follow instructions 5–7 on how to add a group.

Patch Fixtures
Fixtures   Groups
Add a New Group
Group 1
Group 2   +

To delete a group from the list:
1. Select the group name and swipe left or right for the trash icon to appear.
2. Select the trash icon to delete the selected group.

Patch Fixtures
Fixtures   Groups
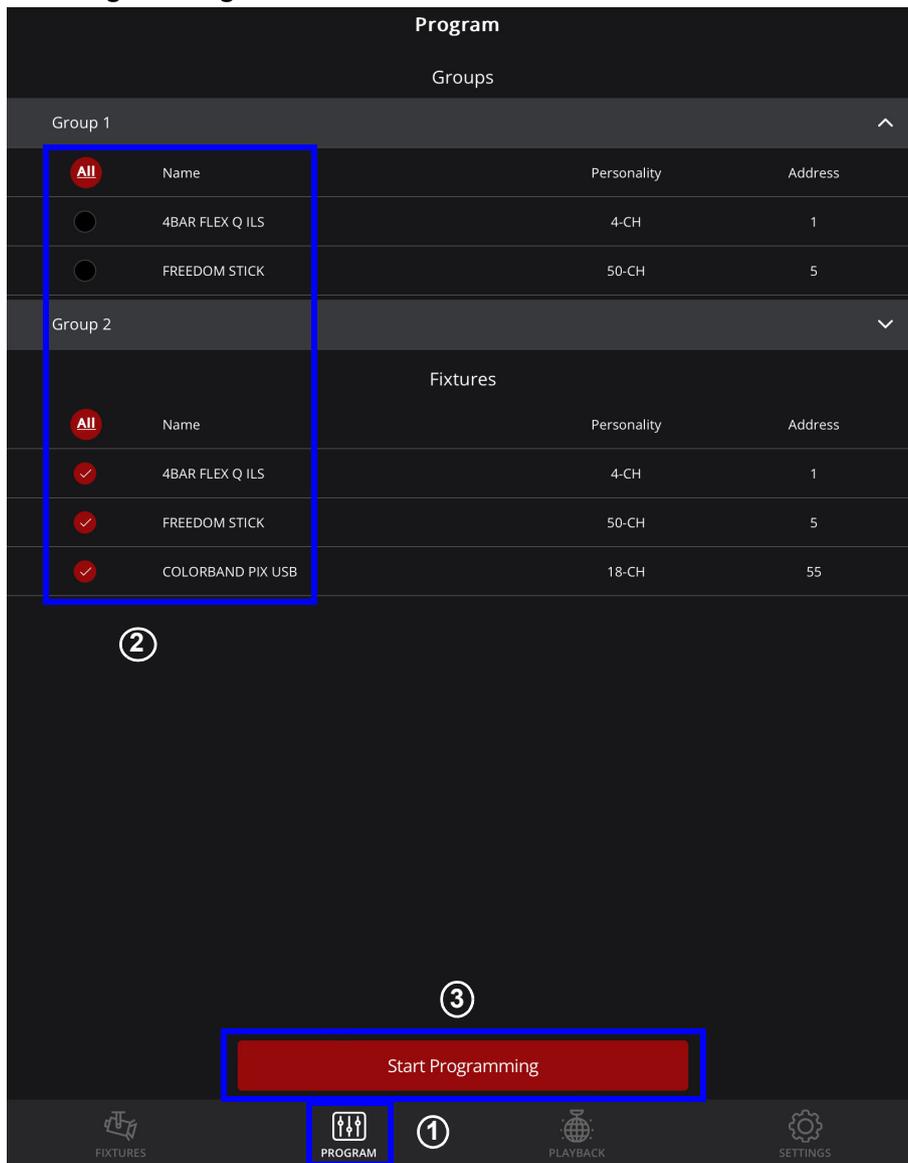Add a New Group
Group 1
Group 2   +

2. Operation

The FlareCON app runs on Apple iOS to control any CHAUVET DJ Freedom or D-Fi receiver as well as any other LED static wash light from your smartphone or tablet (additional hardware required). The Wi-Fi signal is generated from the FlareCON Air 2 hardware interface, and no other Wi-Fi signals are needed.

The FlareCON app has built-in profiles for all 4BAR, COLORband, COREpar, EVE, EZPar, Freedom, SlimBANK, and SlimPAR products. The FlareCON app can create and store up to 18 scenes with 20 steps each. Each scene can be assigned a Fade Time and Hold Time, with customizable effects, and can be exported to other users across both iOS and Android platforms.
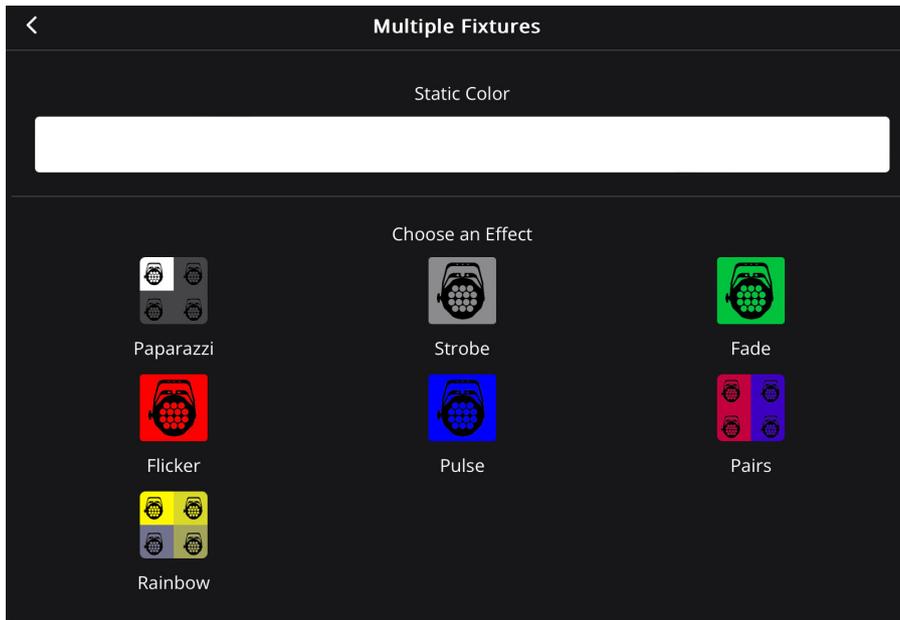
PROGRAM

To program the light output on an intended fixture:

1. Tap the **PROGRAM** icon at the bottom of the screen.
2. On the **Program** page, choose the fixture(s) or group(s) to be programmed by checking the black pop-up circle next to the fixture name(s). If choosing all the fixtures available, select **All**.
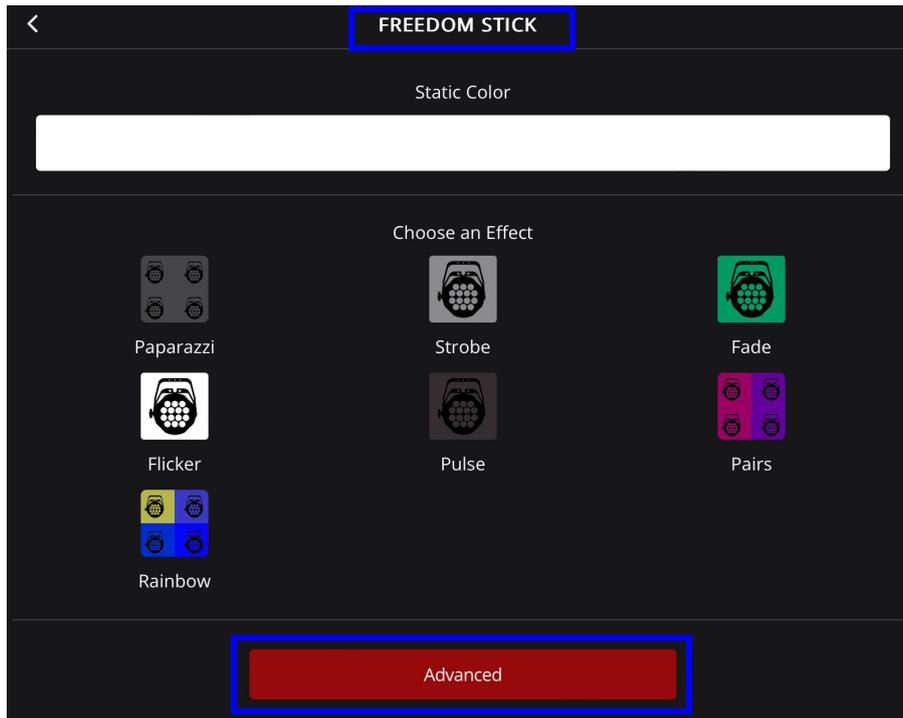3. Tap **Start Programming**.

Only patched fixtures can be programmed (see **FIXTURES** for instructions on how to patch fixtures to the FlareCON App).

4. After tapping the **Start Programming** button, the **Multiple Fixtures** page will appear. From here, it is possible to add static colors or choose an effect.

5. When choosing a single fixture or multiples of the same fixture type, the product name will be displayed on the fixture page, and the advanced programming option will be enabled (see Advanced).
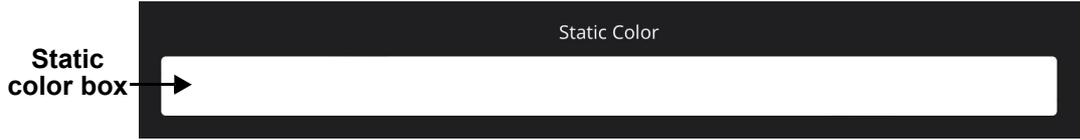

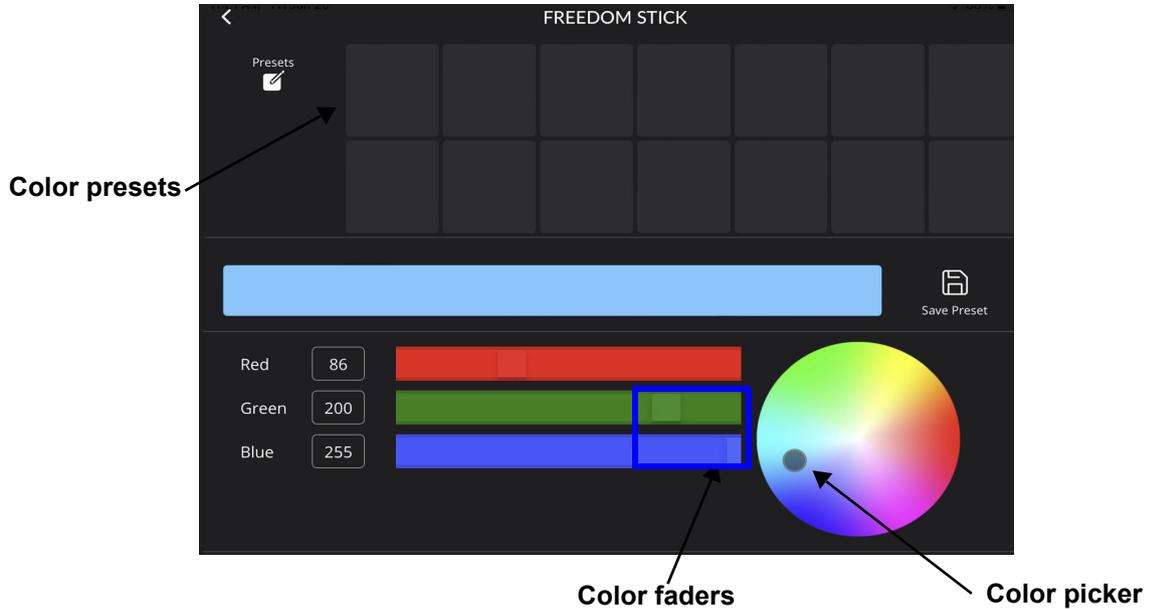**The fixtures have to be of the same type to enable the option for advanced programming.**

Static Color

To design static colors for a scene:

1. Tap the **Static Color** box at the top of the page.

2. A pop-up box will appear with color presets, a color fader, and a color picker. These are 3 methods of designing the color output.
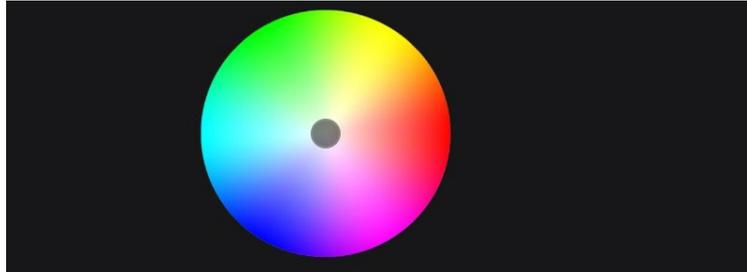

3. When using the color presets, color fader, or color picker to design a color, a preview of the design will display in a color box in the middle of the screen.
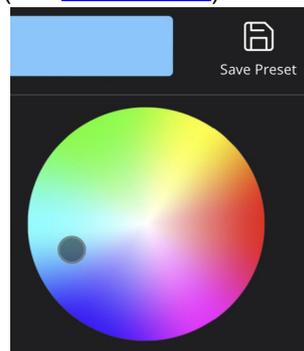
Color Picker

The color picker provides a 360° color spectrum for selecting and refining the color output.

To use the color picker:
1. Tap and hold any area of the color picker.
2. Swipe in any direction to adjust the colors on the color picker.
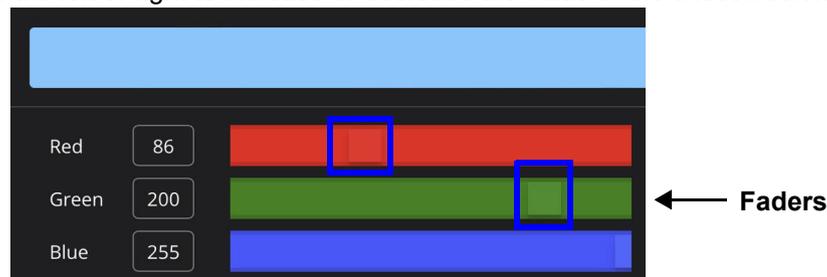3. Save to color preset if desired (see Color Preset).

Color Fader

The color fader provides faders for each available color and a fader value box for displaying specific color values.

To customize colors using the color faders:
1. Tap and hold one of the faders in a color bar. The available colors will depend on the fixture in use.
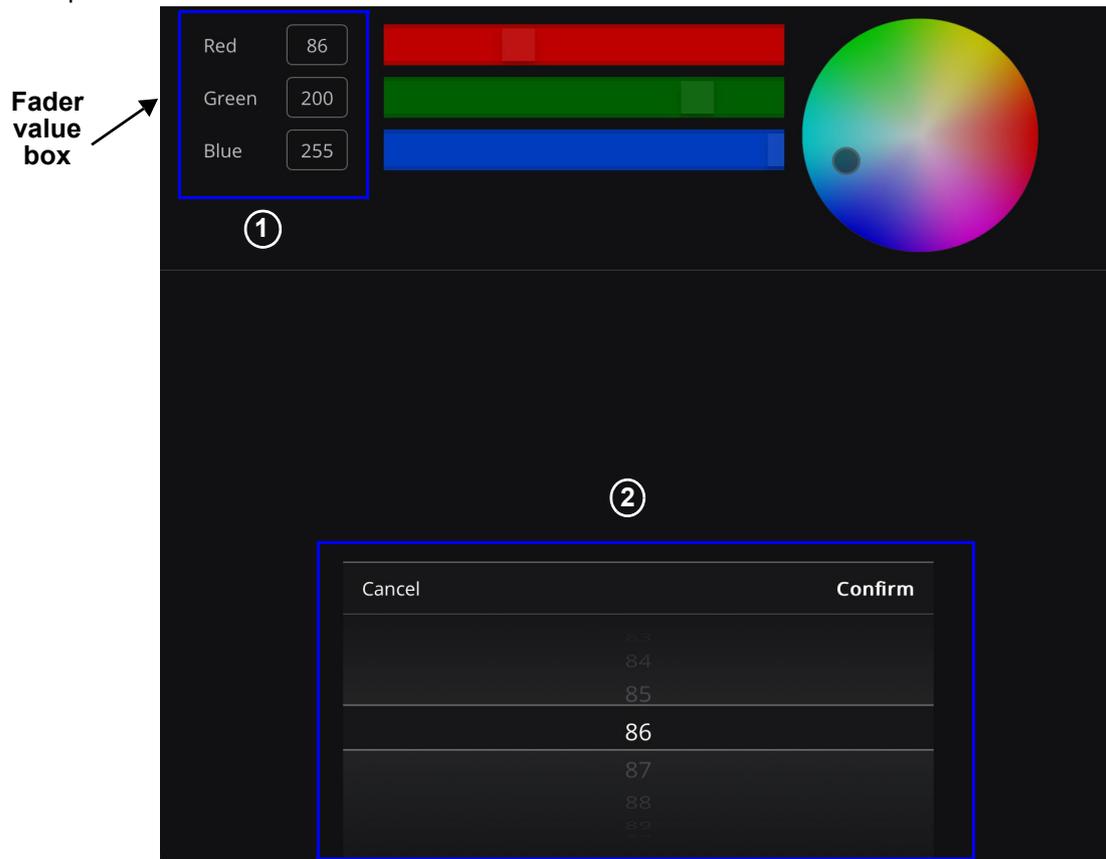2. Drag the fader to the left or right to increase or decrease the value of the chosen color.

3. The value of the color will appear in the fader value box.

- **When the faders are moved, the numbers in the fader value box will change, and the color picker will move to correspond to the newly selected value.**
- **The available colors next to the fader value boxes will vary depending on the patched fixture or the fixture being programmed.**

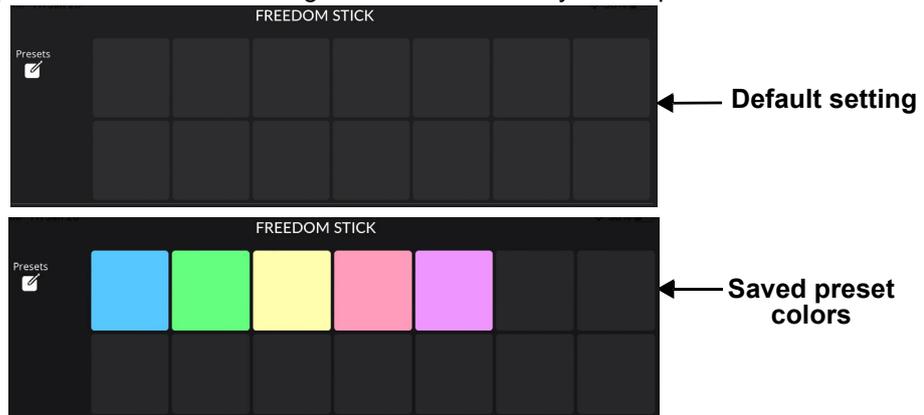**To customize colors using the fader value boxes:**

1. Tap any of the fader value boxes. The numerical wheel will appear at the bottom of the screen.
2. Choose the desired value using the numerical wheel. The value should be between 0 and 255. Tap **Confirm**.

3. Adjust another color by selecting the fader value box next to it and repeating steps 1 and 2 above.
4. Once all desired values have been entered, tap **Confirm** or select anywhere outside of the numerical wheel to return to the **Fixture** page.

Color Preset

The preset mode provides a selection of previously designed colors that the user has saved. There are a total of 14 customizable presets. The default setting does not include any saved presets.
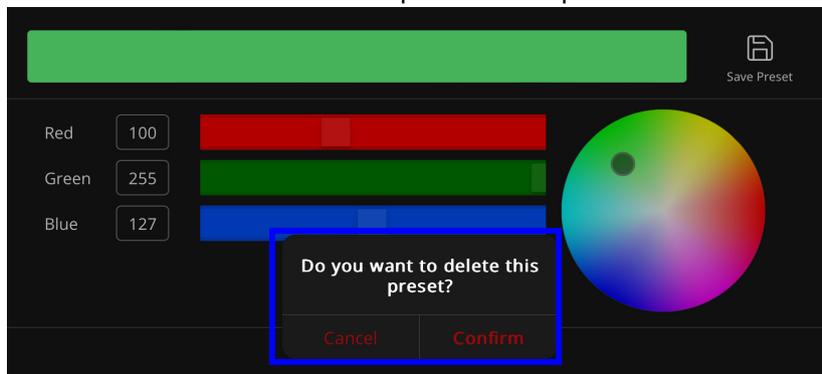
 ⟵ **Default setting**

 ⟵ **Saved preset colors**

To design a custom preset:
1. Tap the desired custom preset box.
2. Design a color using the color picker or the color fader (see Add to Show and Color Fader).
3. Once the desired color appears in the color box, select the **Save Preset** icon to the right of the color box.
4. Tap another custom preset box to program it. If another custom preset box is not selected, the function will automatically default to the next custom preset box to the right.

To delete a custom preset:
1. Tap and hold the desired custom preset box for 3 seconds. A pop-up box will present the option to delete the preset.
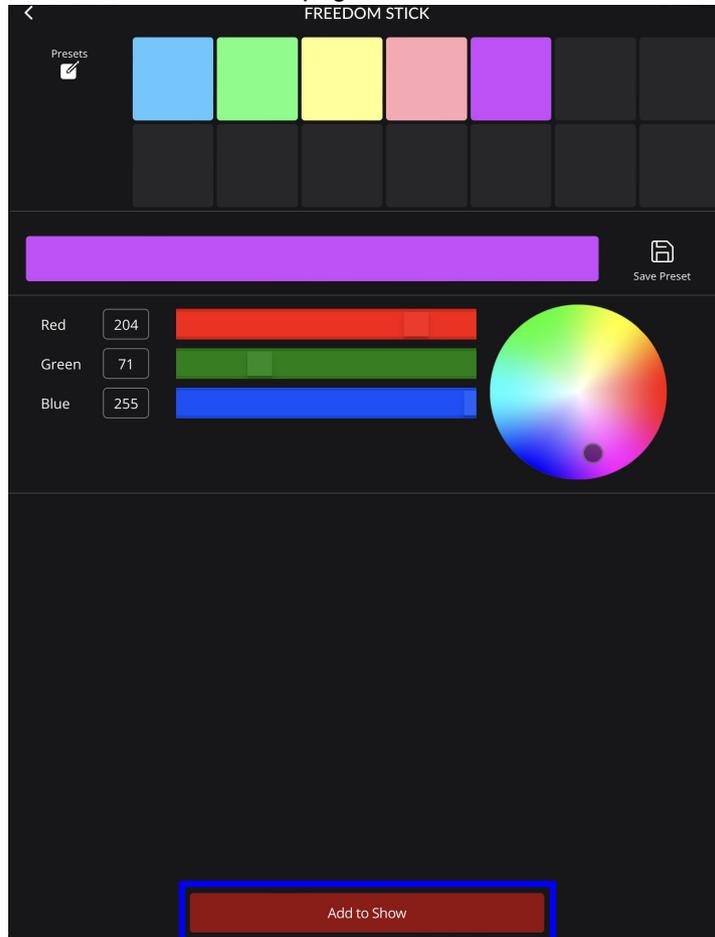2. Select **Confirm** to delete or **Cancel** to keep the custom preset.
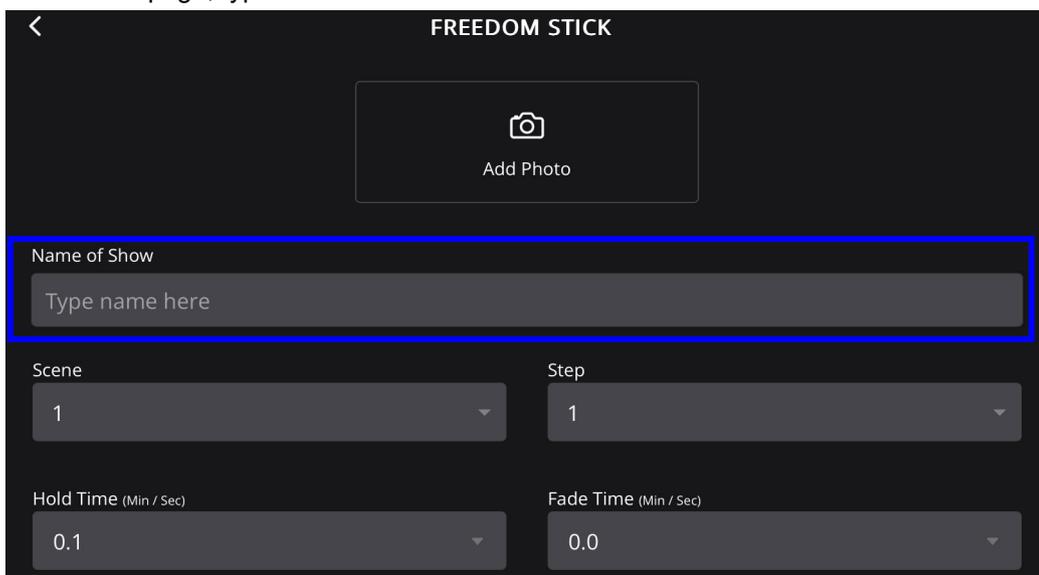
Add to Show

The FlareCON allows users to create a new show or add to a saved show with multiple steps and scenes by pressing **Add to Show** after customizing the preset colors and effects.

To create a new show:

1. Select a color or colors on the fixture page (see Static Color for further instructions).
2. Tap **Add to Show** at the bottom of the page.

3. In the fixture page, type the name of the show into the **Name of Show** box.
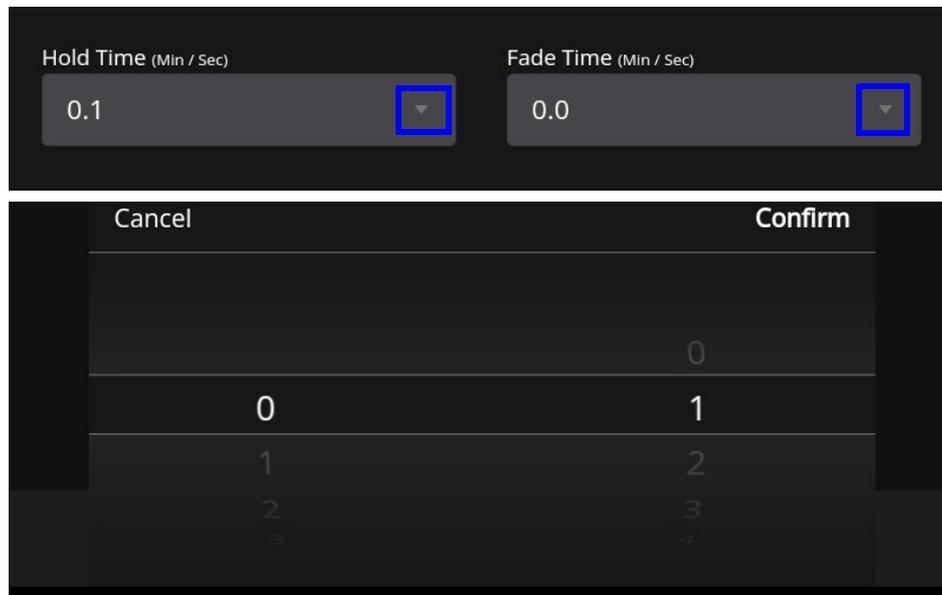
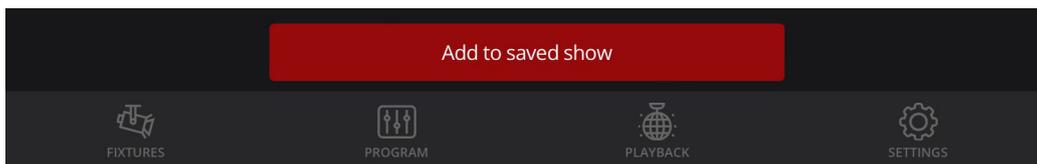4. Select the arrow in the **Scene** box or **Step** box to trigger the drop-down menu.

> **Step is a single effect. Scene is a combination of multiple steps.**

5. Select the arrow in the **Hold Time** box or **Fade Time** box to trigger the drop-down menu and choose the number of minutes and seconds for each function.
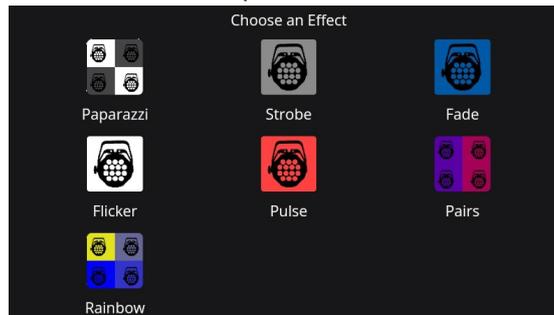
> **Hold time is the amount of time a scene is held. Fade time is how long it takes for the scene to fade in and out. Both are measured in minutes and seconds.**

6. Once completed, press **Add to saved show**. The saved show will then become viewable under the **PLAYBACK** tab.

Choose an Effect

The FlareCON allows users to add customizable preset effects to a show.

Paparazzi

This effect enables a flickering/flashing function across all selected fixtures at different rates on each fixture**.** To add the Paparazzi effect:

1. Select **Paparazzi**.
2. Select the desired color by selecting the color box.
3. Select **Add to Show**.

Strobe

This effect enables all fixtures to strobe at once. To add the Strobe effect:

1. Select **Strobe**.
2. Select the color by selecting the color box.
3. Set the speed of the strobe by dragging the slider left or right.
4. Select **Add to Show**.

Fade

This effect enables fading transition between colors. To add the Fade effect:

1. Select **Fade**.
2. Choose the colors by selecting the color boxes.
3. Change the fade time and hold time by dragging the slider left or right.
4. Select **Add to Show**.

Flicker

This effect alternates between base color and the color of the strobe. To add the Flicker effect:

1. Select **Flicker**.
2. Choose the flicker/background color by selecting the color box.
3. Set the flicker speed by dragging the slider left or right.
4. Select **Add to Show**.

Pulse

This effect makes the light fade to black first, then transitions to the next selected color. To add the Pulse effect:

1. Select **Pulse**.
2. Choose the colors by selecting the color boxes.
3. Change the fade time and hold time by dragging the slider left or right.
4. Select **Add to Show**.

Pairs

Every other fixture would be color 1 and the others will be color 2, and it transitions between the two colors. To add the Pairs effect:

1. Select **Pairs**.
2. Choose the colors by selecting the color boxes.
3. Change the fade time and hold time by dragging the slider left or right.
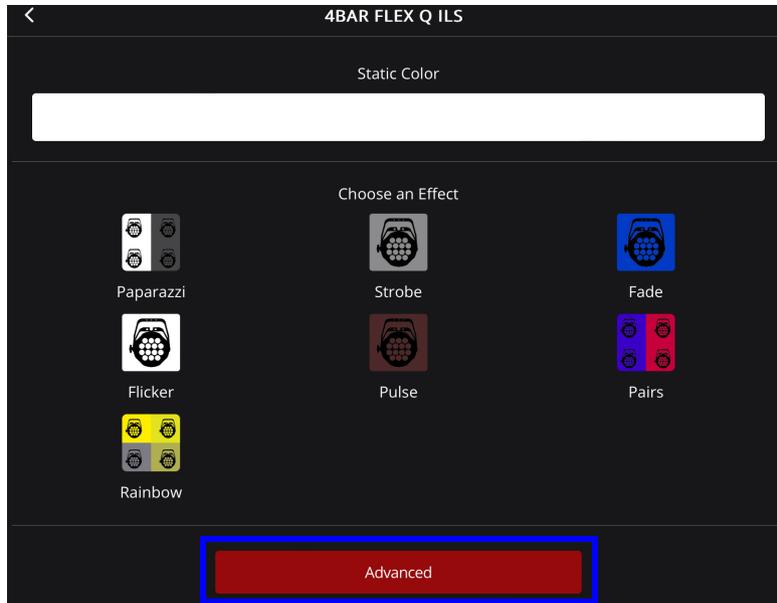4. Select **Add to Show**.

Rainbow

This effect applies a rainbow effect to all fixtures. One color per fixture. To add the Rainbow effect:

1. Select **Rainbow**.
2. Choose the colors by selecting the color boxes.
3. Change the fade time and hold time by dragging the slider left or right.
4. Select **Add to Show**.

> **To change the names of any of the effects, select the effect and type in a new name in the Name of Effect page.**
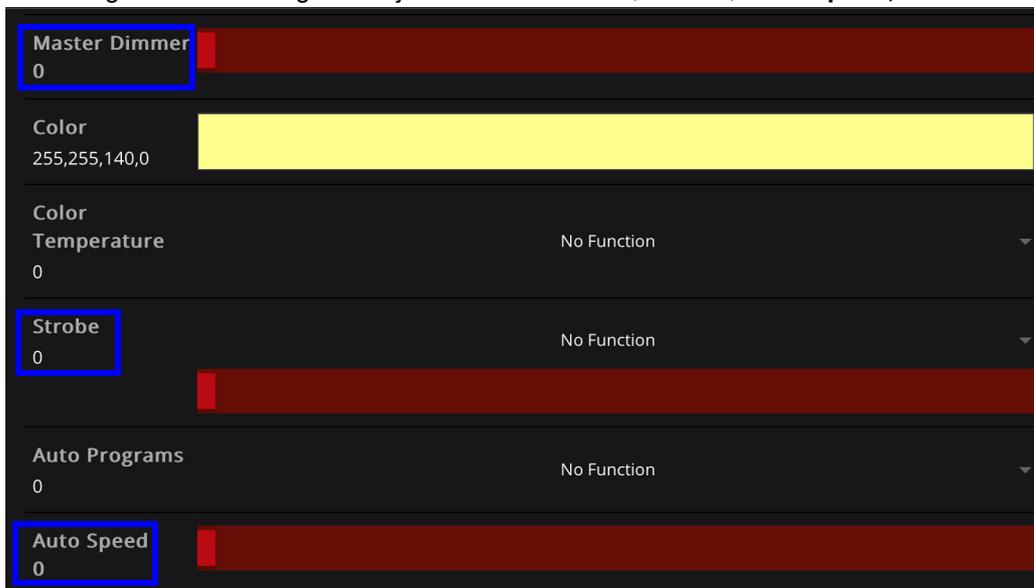

Advanced

The FlareCON allows users to adjust advanced programming such as the dimmer, auto programs, and color temperature.

To adjust advanced programming:

1. Press **Advanced.**

2. On the next page:
    a. Drag sliders left or right to adjust **Master Dimmer**, **Strobe**, **Auto Speed,** etc.
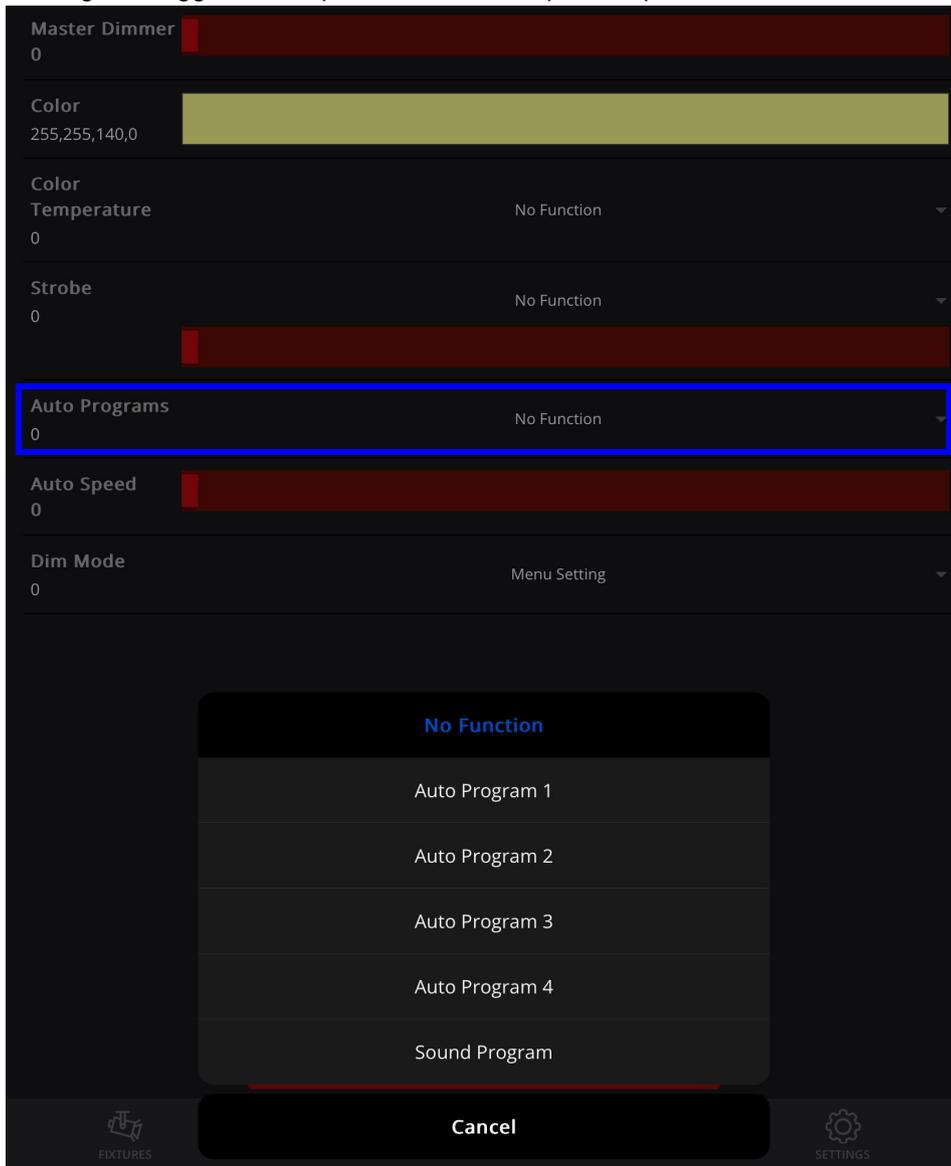

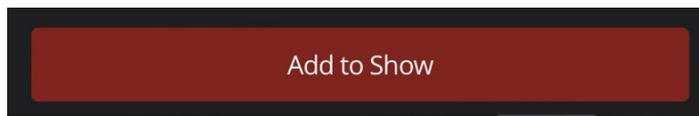> ✎ **The available programming options will vary depending on the fixtures that are being programmed.**

    b. Select the Color box to open color options (see Static Color).

c. Adjust the **Color Temp**, **Auto Programs**, and/or **Dimmer Mode** by selecting the arrow on the right to trigger the drop-down menu with preset options for each function.

Master Dimmer 0	
Color 255,255,140,0	
Color Temperature 0	No Function
Strobe 0	No Function
Auto Programs 0	No Function
Auto Speed 0	
Dim Mode 0	Menu Setting

No Function

Auto Program 1

Auto Program 2

Auto Program 3

Auto Program 4

Sound Program

Cancel

FIXTURES   SETTINGS

d. Select **Add to Show** to save the new settings.

Add to Show

PLAYBACK

The **PLAYBACK** section lists all of the programmed scenes. Users can apply the blackout function, adjust the master dimmer, play programmed scenes, adjust playback speed, sync to box, view/edit scenes by step, add scenes/steps, and delete shows.

Blackout

The Blackout function sets the master dimmer to 0. To enable/disable the Blackout function:
1. Tap **Blackout** to enable the blackout function.
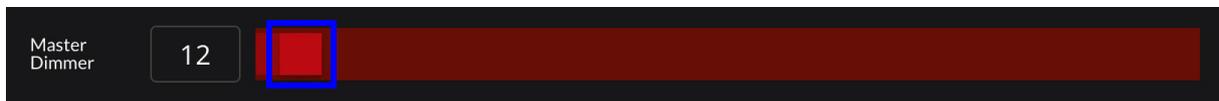2. Tap **Blackout** again to disable blackout function.

This function only takes effect after the current scene's step has completed playback.

Master Dimmer

The Master Dimmer function controls the minimum and maximum value that all shows can reach. To manually adjust the master dimmer:
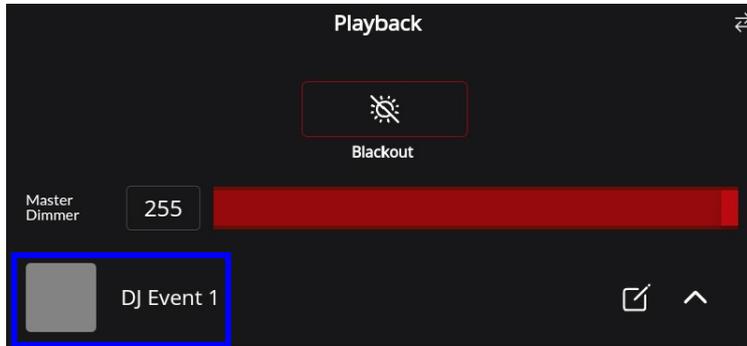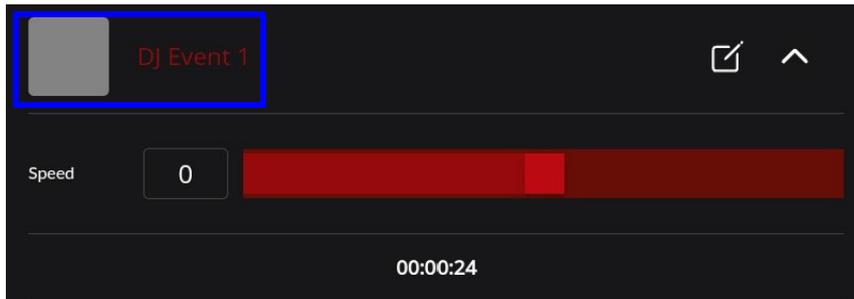1. Move the fader left or right to increase or decrease the value.

Playback Shows

The Playback function allows users to play saved or programmed shows. To use this function:
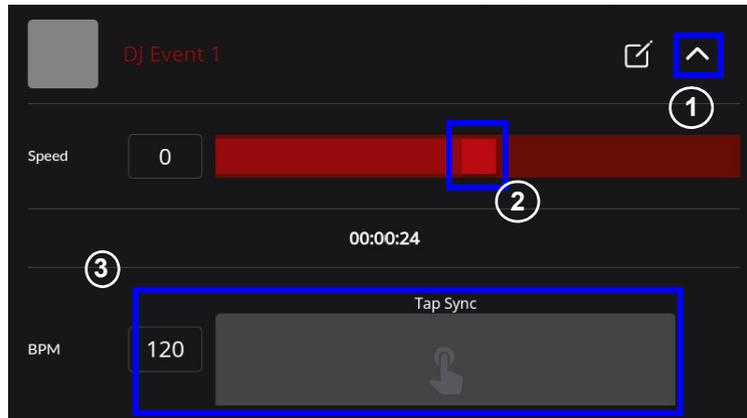1. Select the desired show from the list.

2. Once selected, the show name will turn red. The fixture may take several seconds to begin playing the show.

Playback Speed

The Playback Speed functions enable users to adjust speed in which the saved scenes or steps are played. To use these functions:

1. Select the arrow next to the show name to trigger the drop-down menu.
2. Drag the slider left or right to increase or decrease the show's playback speed.
3. Use the **BPM** (Beats Per Minute) box to manually adjust playback speed. Tap any part of the **Tap Sync** box, or select the dial to increase or decrease playback speed.

> **Certain effects (e.g., Pulse and Fade) will trigger the BPM function.**

Sync to Box

Even though a scene/step has already been programmed, it may not immediately sync to the FlareCON Air 2. When this occurs, users can choose to sync to the FlareCON Air 2 manually.

To sync to box:

1. Locate and tap the sync icon.

2. The loading icon may appear.

3. Once the loading icon has disappeared, the new programming has been synced to box and the show is up to date.

> **A show should sync to the FlareCON Air 2 upon first playback.**

View/ Edit Show

It is possible to edit various settings in the Edit Show page. Users can rename shows, adjust scene/step timing, customize shows, add more scenes and steps to a show, and delete steps.
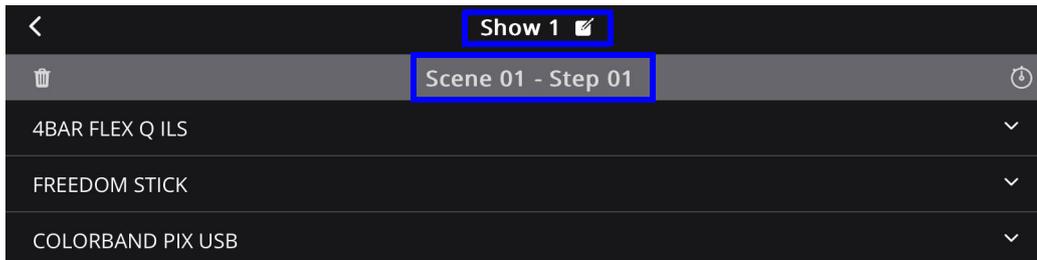
Edit Show

To open the Edit Show page:
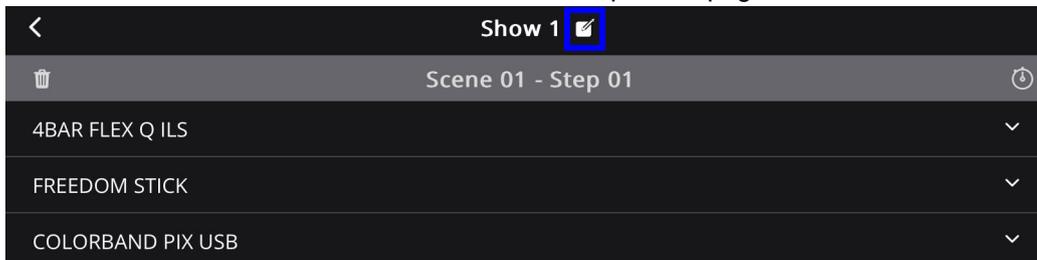1. Select the view/edit icon next to the show name on the **Playback** page.

2. The page will change to display the name of the show and a list of scenes and steps as well as the fixtures that have been saved for that show.
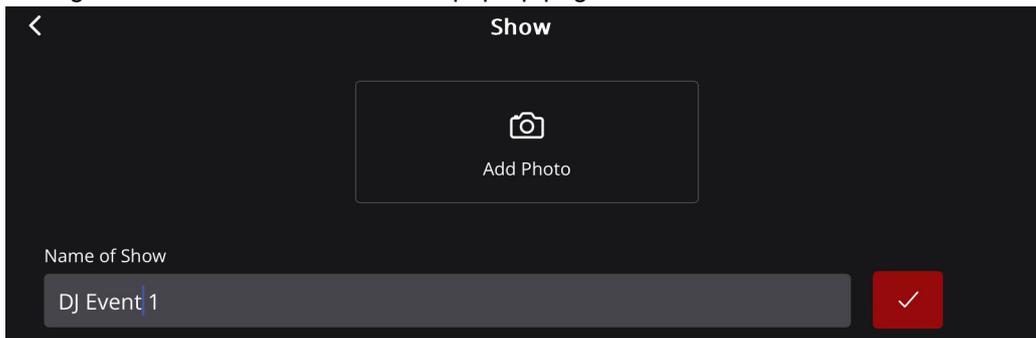

Rename show

To rename a show:
1. Select the edit icon next to the show name at the top of the page.

2. Change the name of the show on the pop-up page.

It is also possible to add or edit the photo for a show (see instruction #7 of **Add to Show**).

Adjust scene/step timing

1. Select the clock icon next to a scene/step to open the **Edit Step Time** box.

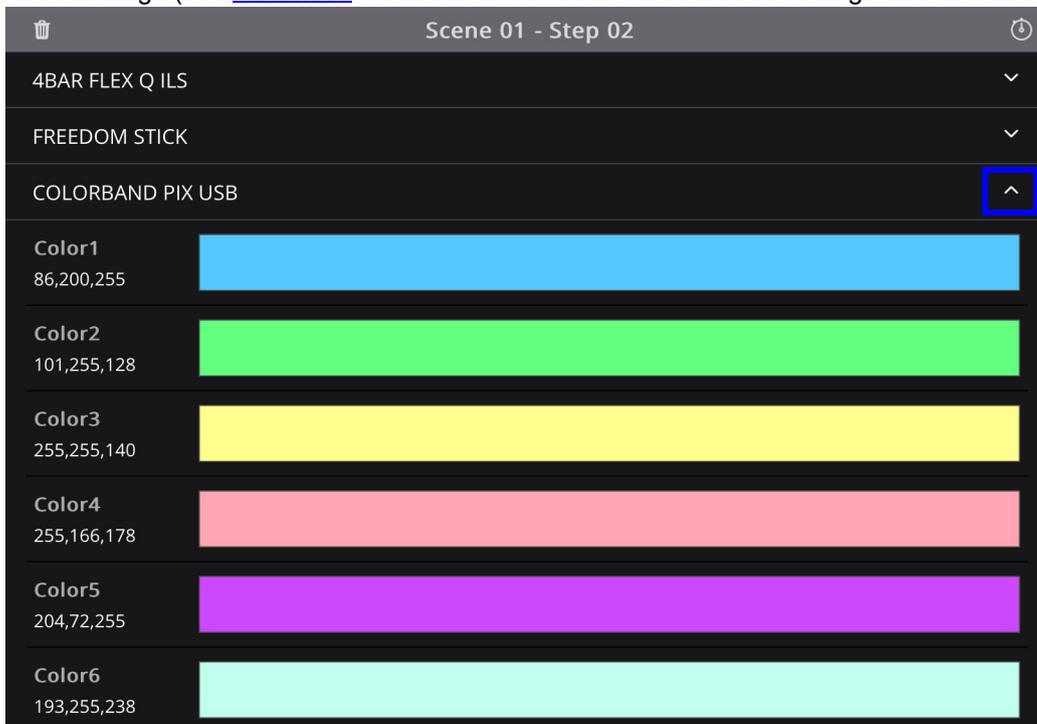|	DJ Event 1 ✍	
🗑	Scene 01 - Step 01	⏱
4BAR FLEX Q ILS		⌄
FREEDOM STICK		⌄
COLORBAND PIX USB		⌄

2. Select the desired **Hold Time** and **Fade Time** from the drop-down menu in the **Edit Step Time** box.
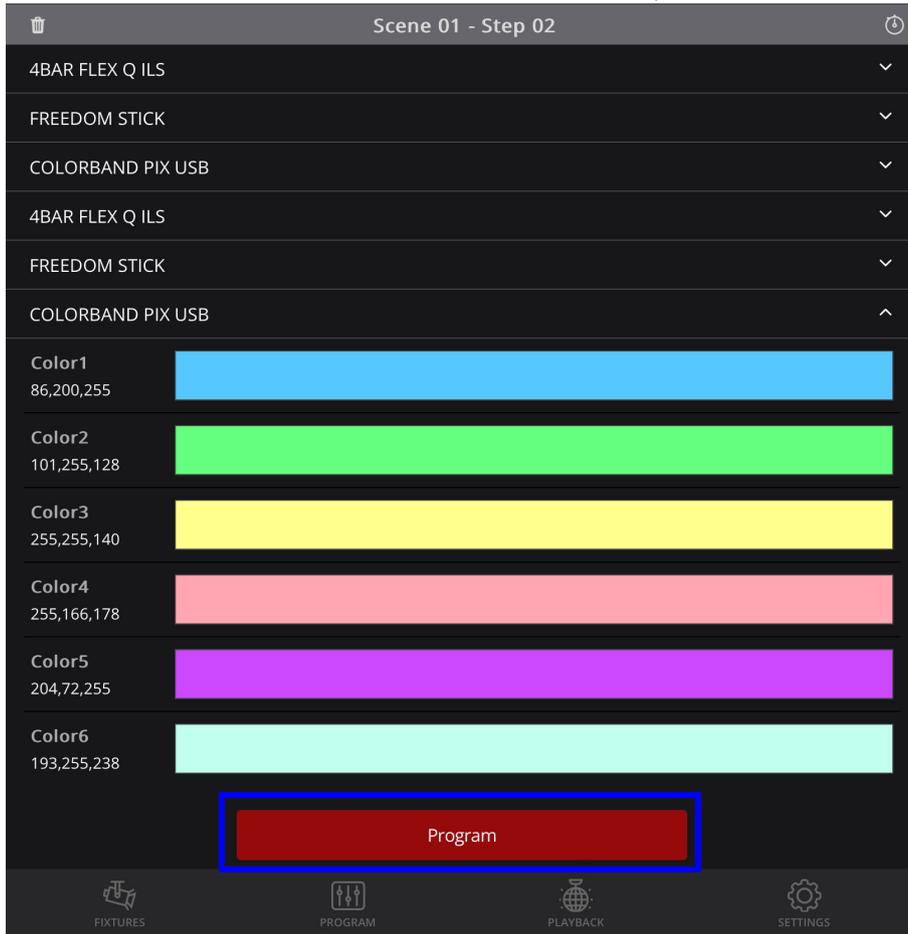3. Press **Update Time**.

Edit Step Time ✕

Hold Time (Min / Sec)

0.1 ▼   ②

Fade Time (Min / Sec)

0.0 ▼

Update Time   ③

Customize show

Select the arrow to the right of the fixture name to trigger the drop-down menu. This menu allows users to edit advanced settings (see <u>Advanced</u> for further information on advanced settings and how to edit them).
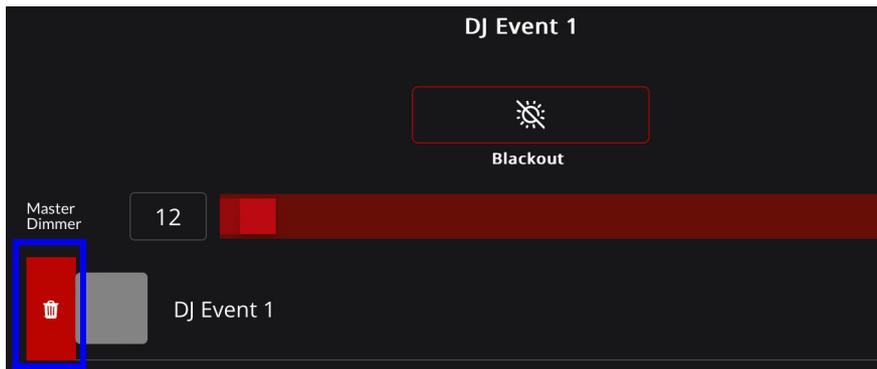
🗑	Scene 01 - Step 02	⏱
4BAR FLEX Q ILS		⌄
FREEDOM STICK		⌄
COLORBAND PIX USB		⌃

Color1
86,200,255

Color2
101,255,128

Color3
255,255,140

Color4
255,166,178

Color5
204,72,255

Color6
193,255,238

Add a new scene

Add a new scene or step to the existing show by pressing **Program** on the customize show page (see PROGRAM for further instructions on how to create and save a show).
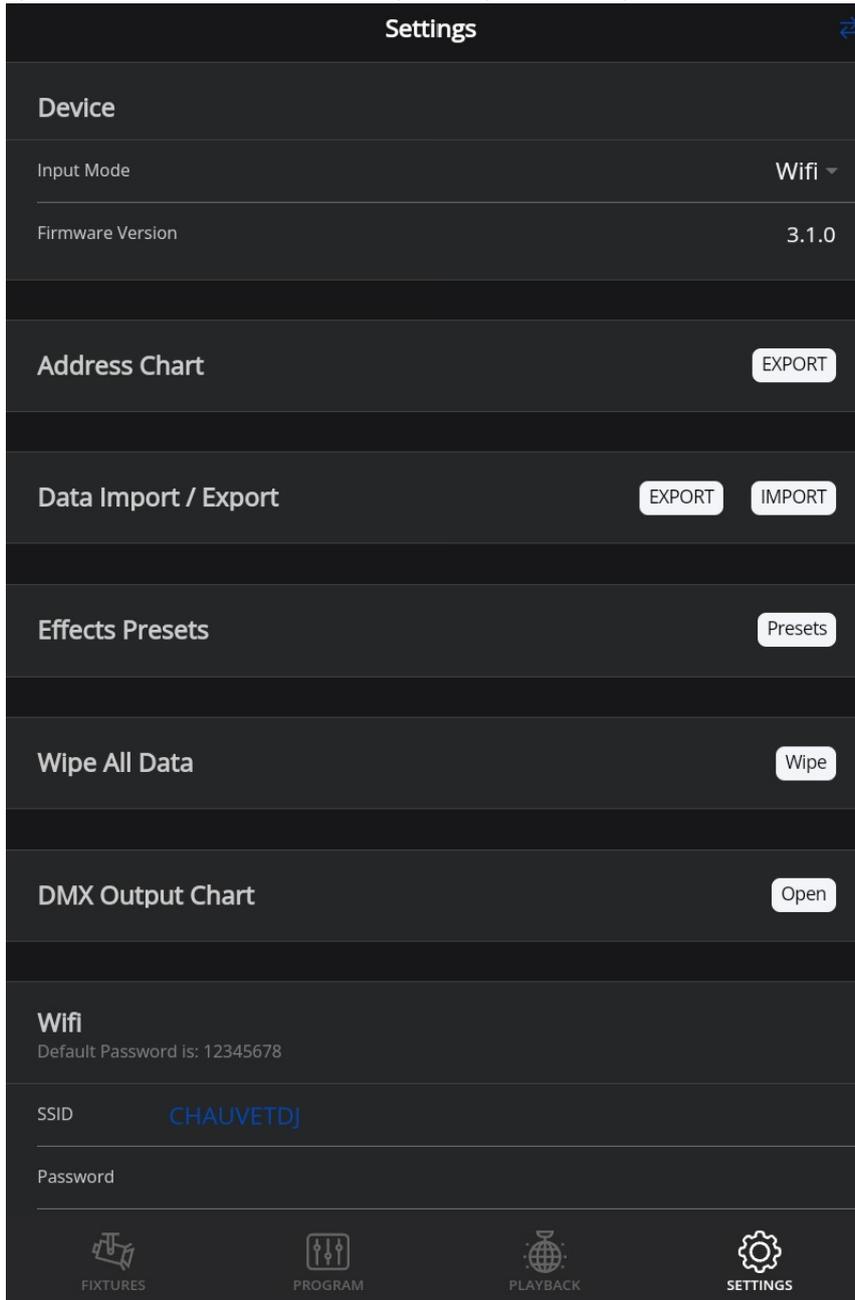

Delete a show

1. Select the desired show and swipe either left or right until the red trashcan icon appears.
2. Tap the trashcan icon.

 If there are no saved shows, the Playback page will appear blank. Before attempting to play or edit a show, ensure that the show is saved (see the **PROGRAM** section to learn more about creating and saving a show).

SETTINGS

The FlareCON allows users to monitor and adjust several settings in the app, including input mode, address chart, and effects preset. It also allows users to import, export, and wipe all data.

Device

Input Mode
This sets the mode in which the FlareCON Air 2 connects to the fixture.
- **Wifi** works with the FlareCON App.
- **DMX** allows users to use the FlareCON Air as a wireless transmitter with any console that outputs DMX.
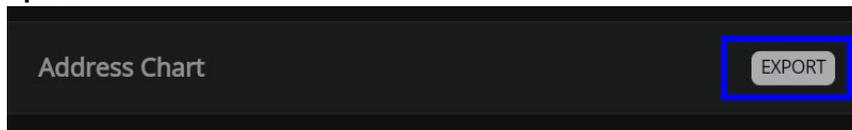
To set up the input mode:
1. Select the arrow to trigger the drop-down menu.
2. Select either **Wifi** or **DMX** to adjust the input.

Address Chart
This option allows users to export printable files with fixture list and their respective personalities/DMX start address.To export printable files:
1. Press **Export.**

2. Select the method of sharing by pressing the appropriate icon.

Data Import / Export

This option allows users to import or export entire Well Com shows, scenes, and steps.

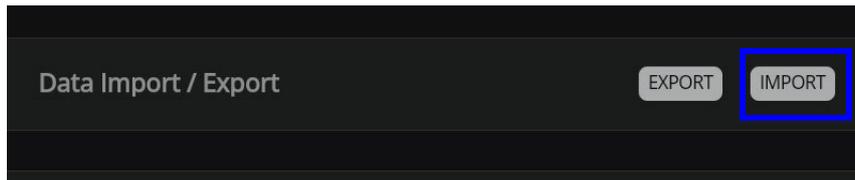**To export data:**
1. Press **Export.**

Data Import / Export — EXPORT   IMPORT

2. Select the method of sharing by pressing the appropriate icon.

Nearby Share

No recommended people to share with

Quick Share   OneDrive   Gmail   Outlook   Bluetooth   Calen

To import data:
1. Press **Import.**

Data Import / Export — EXPORT   IMPORT

2. Choose the file location or choose from the most recently opened files.

Recent

Images   Audio   Videos   Documents   Large files

BROWSE FILES IN OTHER APPS

Bug reports   Drive   Gallery   My Files   OneDrive   Sound picker   Sys

Recent files

AddressChart-01_24_2023.txt
3:01 PM, 100 B, TXT document

Effects Presets

This option displays defaults for different program effects. It allows users to adjust the Color, Strobe, Fade Time, Hold Time, and/or speed of various effects. To change/customize the preset defaults:
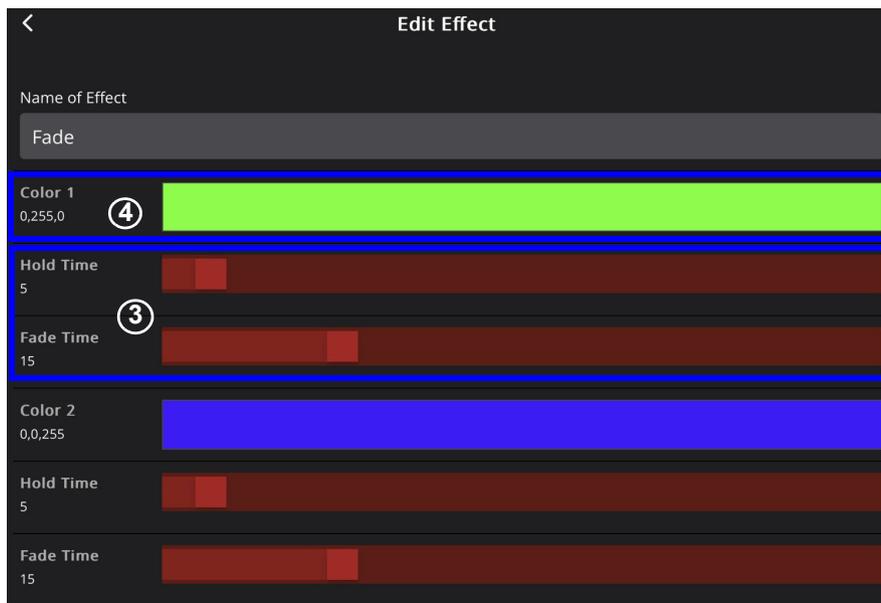
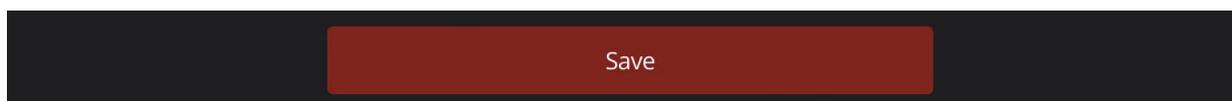1. Select the **Presets** button to open the **Effects Editor** page.

Effects Presets	Presets

2. On the **Effects Editor** page, select an effect to customize its settings.

3. To adjust the Strobe, Speed, Fade time, or Hold Time on an effect, use the bar and faders to adjust the value from 0 to 255.
4. To adjust the color on an effect, select the color to open the **Edit Effect** box (see Advanced for further instruction on how to use the Color Preset, Color Palette, or Color Mixer in the **Edit Effect** box).
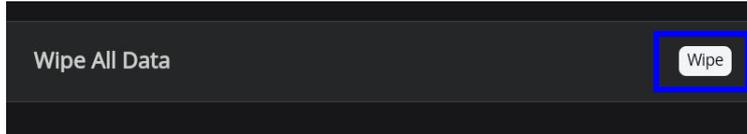
5. Select **Save**.

Save

Wipe All Data

This option allows users to wipe all data, wipe all data except patched fixture, or to reset the Well Com Box.

- **Wipe all Data** wipes all data except the data in the WELL COM Box.
- **Wipe All Except Patched Fixture** wipes all data except the programming in the patched fixture and in the WELL COM box.
- **Reset Box** resets saved data that may have been stored in the WELL COM box even after users chose to wipe all data or to wipe all except patched fixture.

To enable any of the three options:

1. Press **Wipe** to trigger a pop up box.

2. Select **Wipe all Data, Wipe All Except Patched Fixture,** or **Reset Box** from the pop up box.
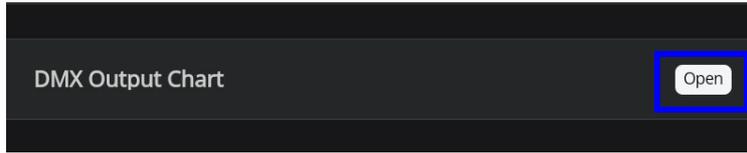
3. One of three pop-up boxes will appear. Select **Okay** to wipe/reset or **Cancel** to return to the **Settings** page.

DMX Output Chart

This option displays a snapshot of the current channel in use.

To view the DMX Output Chart, select **Open**.
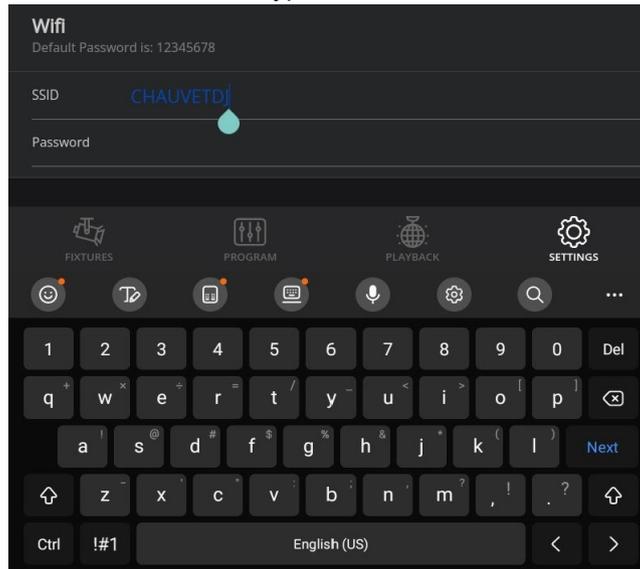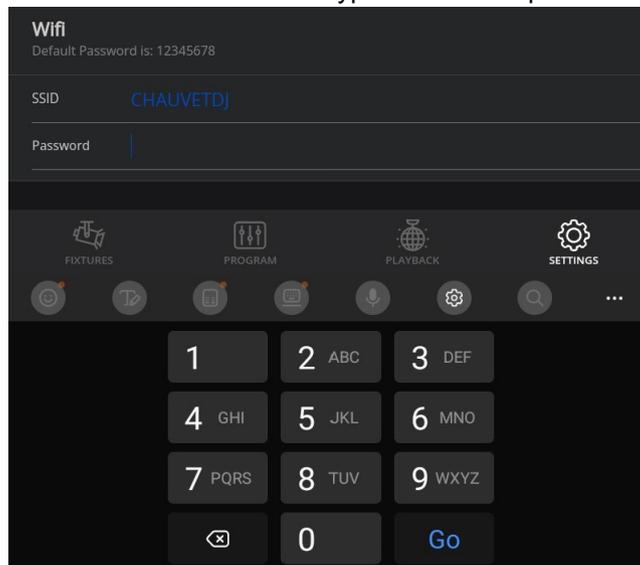

The DMX Output Chart will pop up:
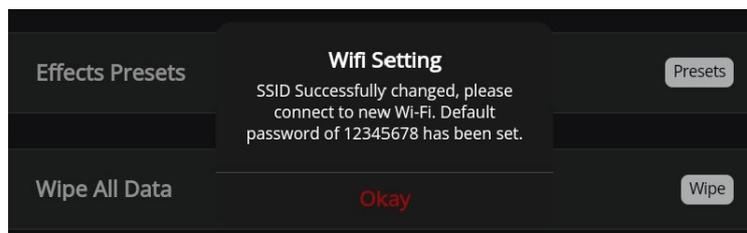
Wifi

To edit the SSID and Password:

1. Tap the blank space next to **SSID** and type the desired SSID name using the pop-up keypad.

2. Tap the blank space next to **Password** and type the desired password using the pop-up keypad.

3. Tap **<Go>** on the keypad. A notification saying the SSID and password have been reset will be displayed.

Although both the SSID and Password can be edited, it is not recommended to do so.

Contact Us

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Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Mexico, France, Germany, or Benelux, contact the dealer of record.

FlareCON UM ML6 Rev. 1