

RGB AND RGBW LED LIGHT/S CONTROLLER APP WITH PROGRAMMABLE TRIGGERS



APP FEATURES

The RGB/W mobile app is customizable for each brand, allowing the user to select from three different backgrounds to reflect Heise, Metra PowerSports or Metra Marine's brand style. The app has a selectable color wheel with 16 million different RGB color options and a true white light color option, available with RGBW products. The app automatically updates via Bluetooth® and detects if a product connected to the control box is RGB or RGBW, allowing groups of both products to be used and controlled within the same mobile app.

Users can also select from built-in pre-programmed lighting transitions for rainbow, fire and water, with additional transitions that include blinking, fading or pulsing between a combination of any two colors. For accurate color matching to completely customize the LED lights, a camera color capture feature is also available in the app. The mobile app uses Bluetooth Low Energy (BLE) for wireless control that streams in the background, uses significantly less power and does not impact the user's ability to stream music via Bluetooth from the same mobile device.

TABLE OF CONTENTS

Initial setup.....	2-3
Operation.....	4-13
Device Information.....	14-15

INTERFACE COMPONENTS

- RGBW interface
- RGB/RGBW specific harness

TOOLS & INSTALLATION ACCESSORIES REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape
- Wire cutter
- Zip ties
- Multimeter

Google Play Store



Apple App Store



RGBW APP Setup Instructions

TIP: If no device is paired within 2 minutes the device will need to be powered off then back on.

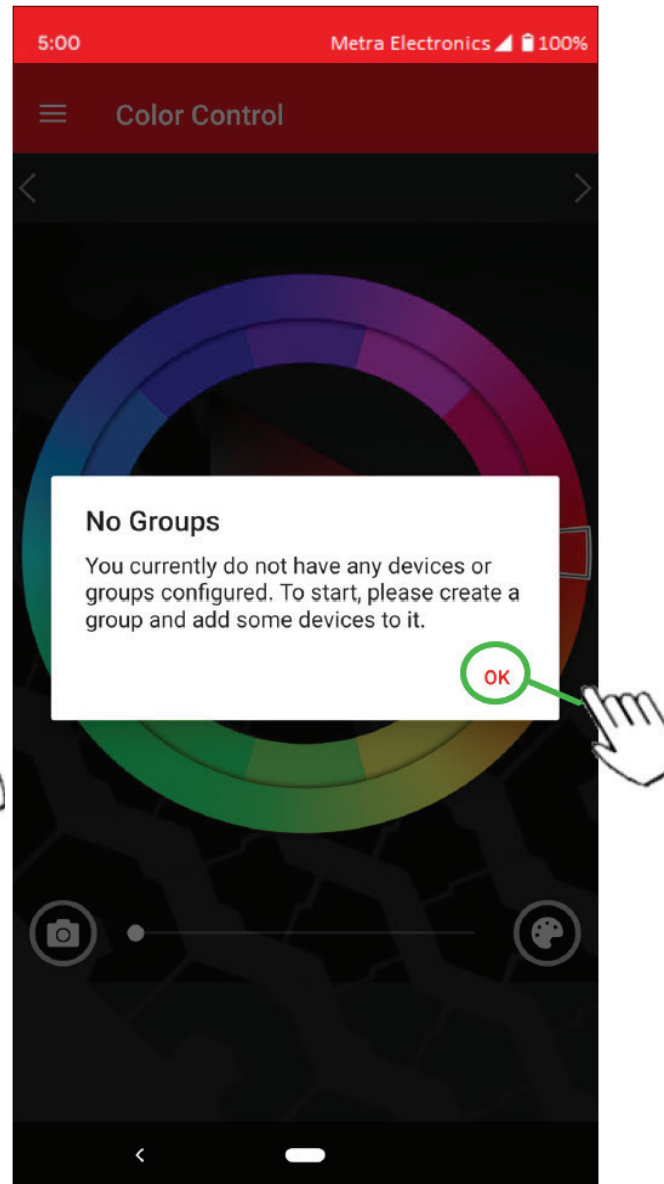
Android and iOS

1. The first time opening the app the option of selecting the background theme. Choose from 3 selectable options.* (Figure A)
2. Once the theme is selected there will be a prompt to select the device. (Figure B)
3. At this point the control box should be powered up. (Figure C)
4. Next search for the device. (Figure C)

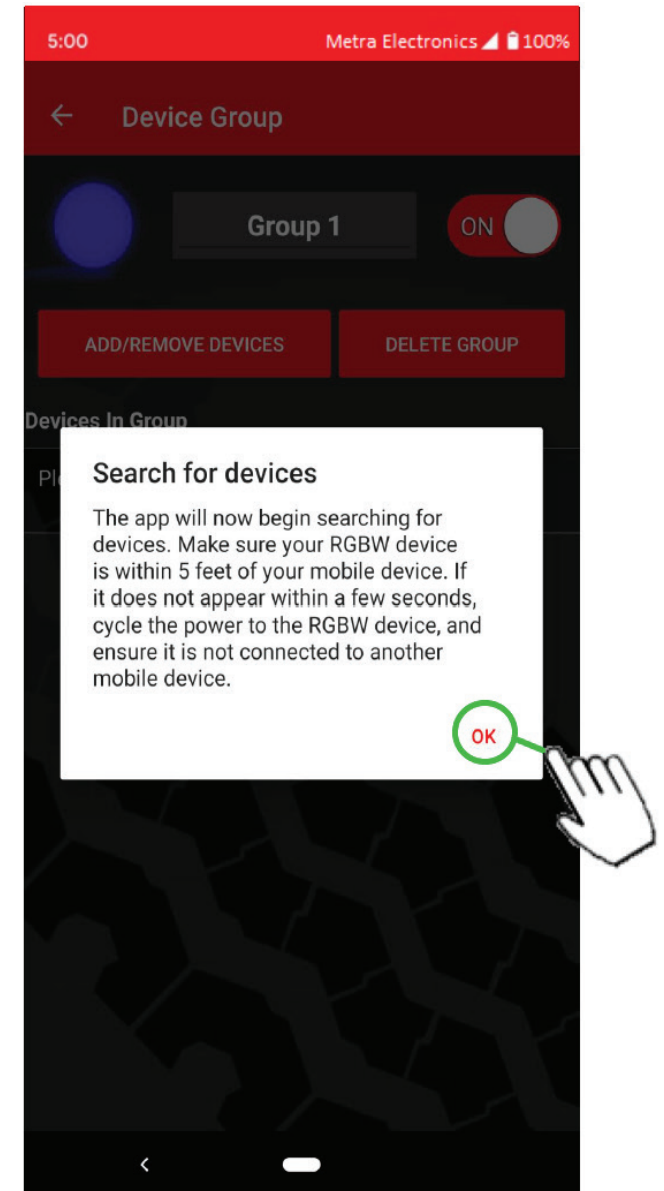
*Note: Can be changed anytime in the
“Menu” -> “Theme” option.



(Figure A)



(Figure B)



(Figure C)

Continued on next page

RGBW APP Setup Instructions

Android and iOS

Continued from previous page

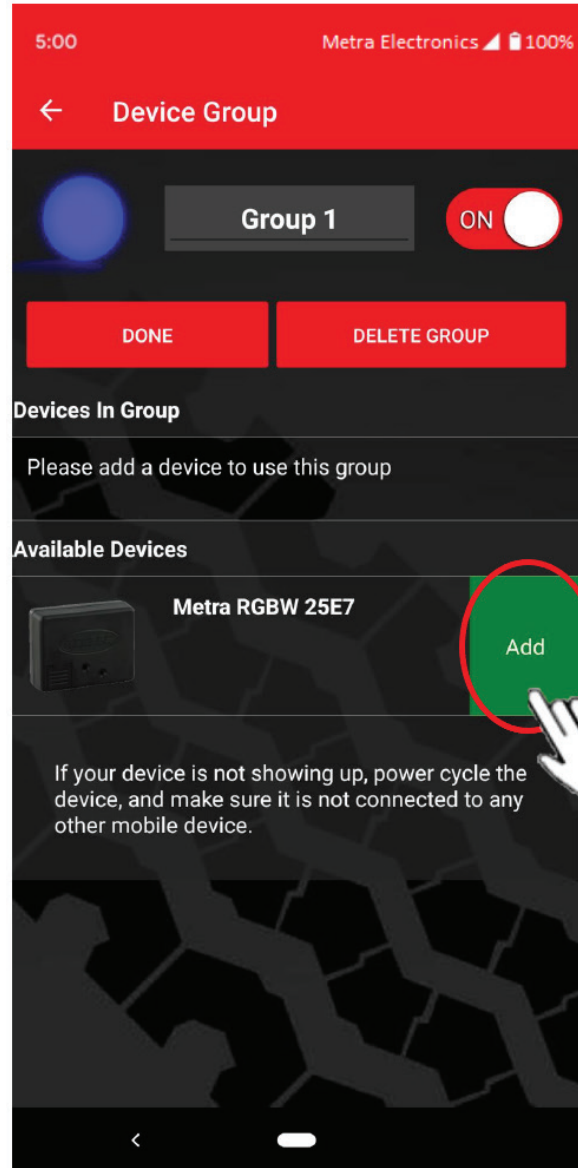
5. Add the desired control box.
(Figure D)
6. Select "DONE" to exit the add/remove page.
(Figure E)

Device Group

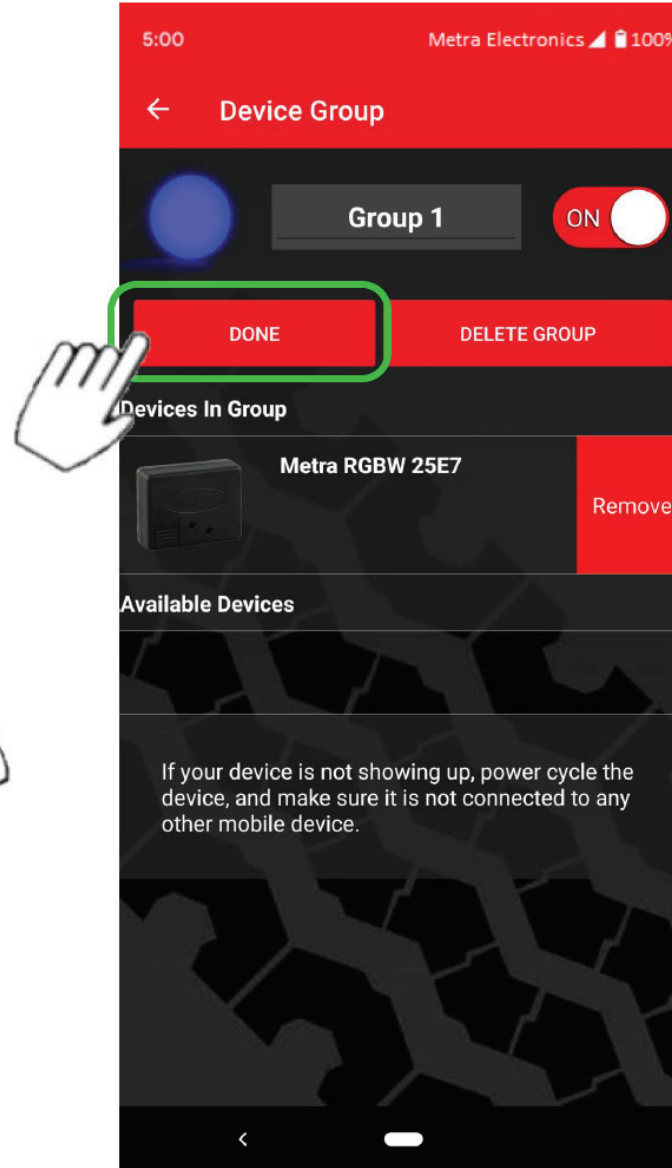
- After adding devices the "Group 1" name can be changed.
(Figure F)

Android and iOS

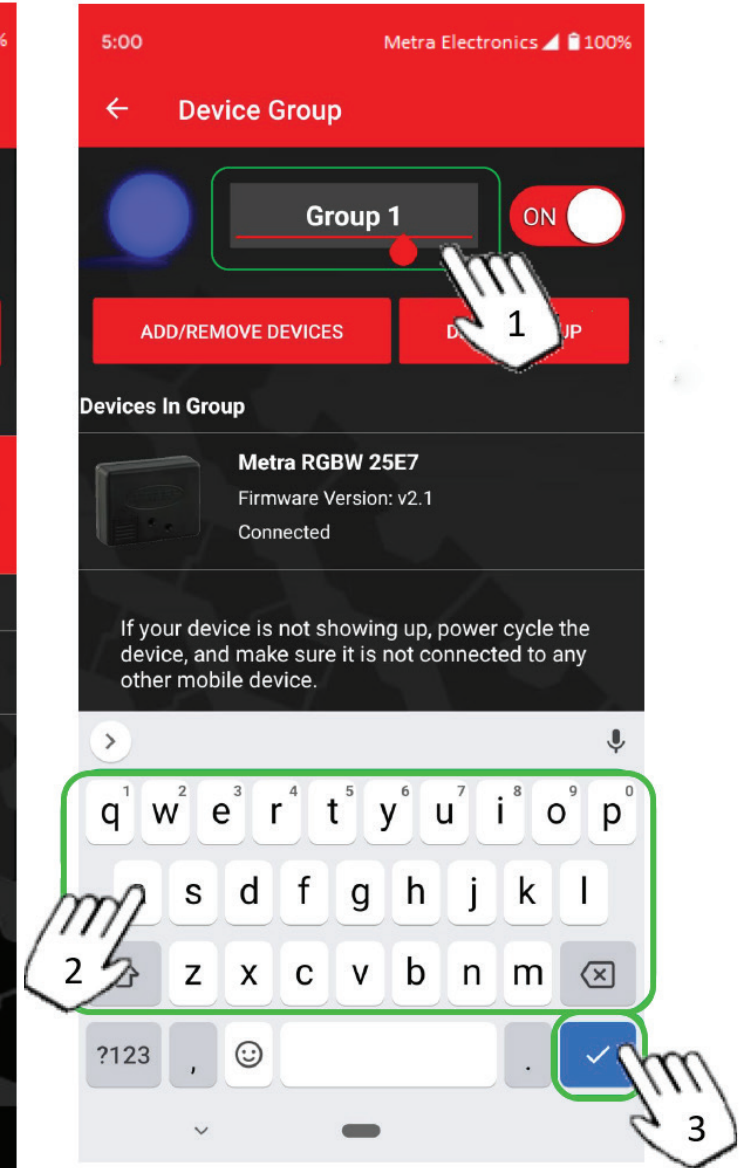
- When set up completed select Menu " " the "Color Control".
(Figure H)



(Figure D)



(Figure E)



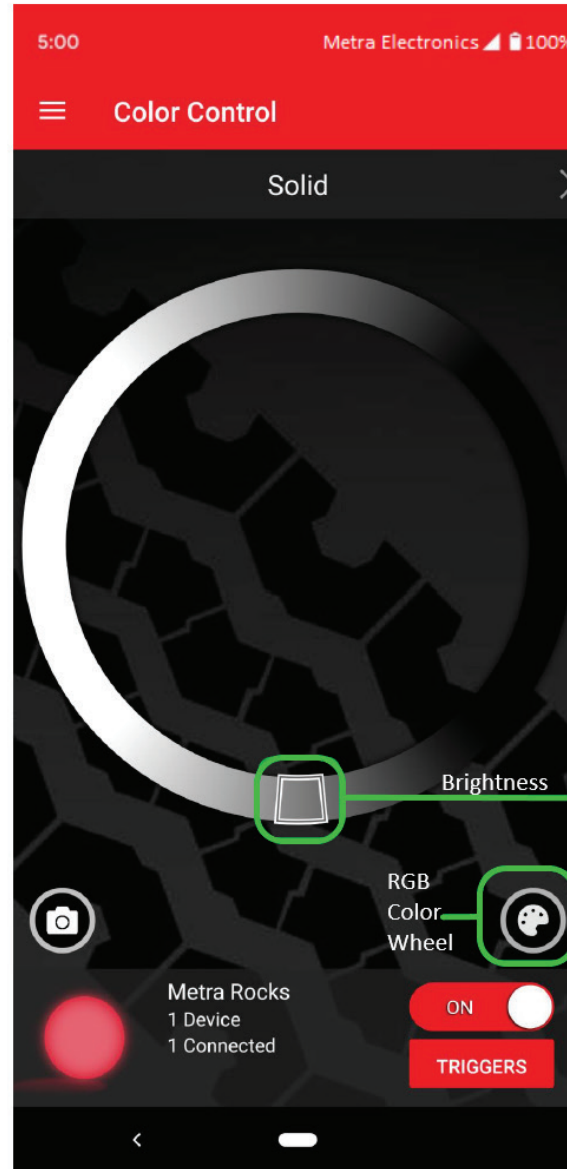
(Figure F)

Continued on next page

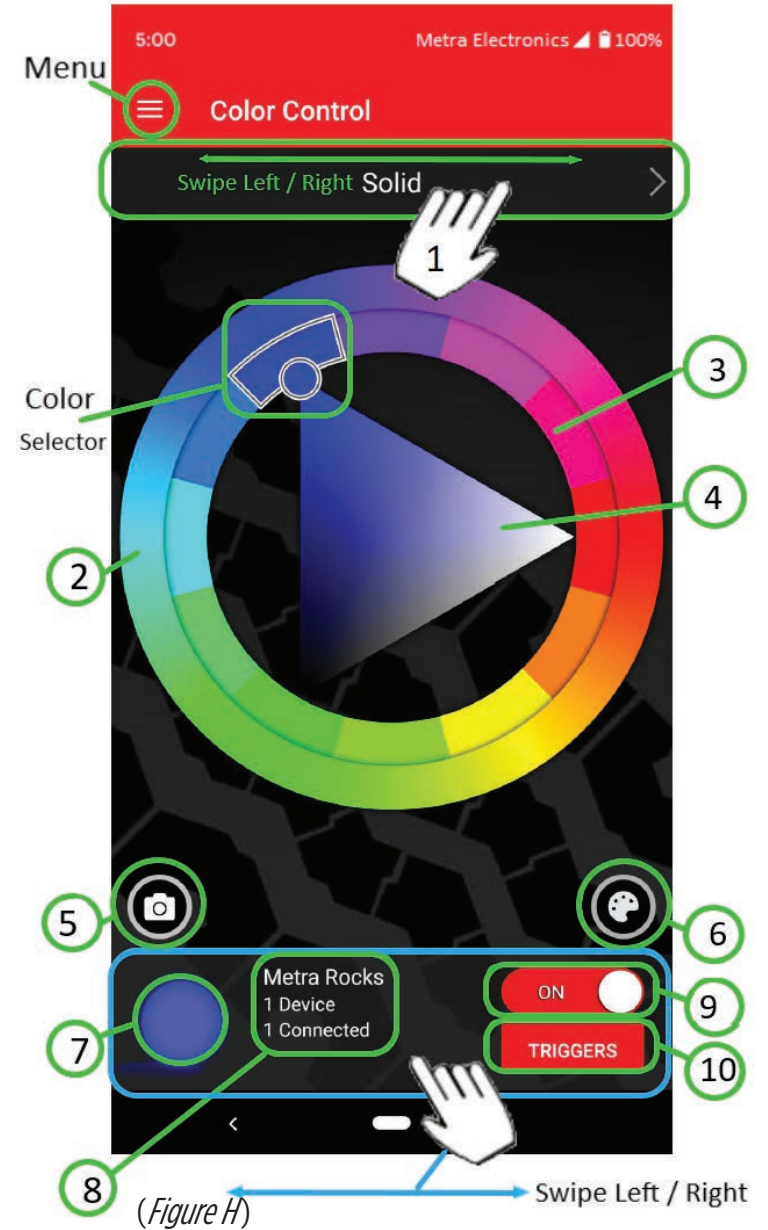
RGBW APP Operation Instructions

Controls

1. Transitions.
2. Infinite color wheel selection.
3. Primary color wheel selection.
4. Brightness control.
5. Camera color snap feature.
6. Pure White color mode.
- (Figure G)
7. Current color and pattern selection.
8. Connected Devices.
9. Trigger on/off control.
10. Trigger menu control.
- (Figure H)



(Figure G)



(Figure H)

Continued on next page

RGBW APP Operation Instructions

Trigger features

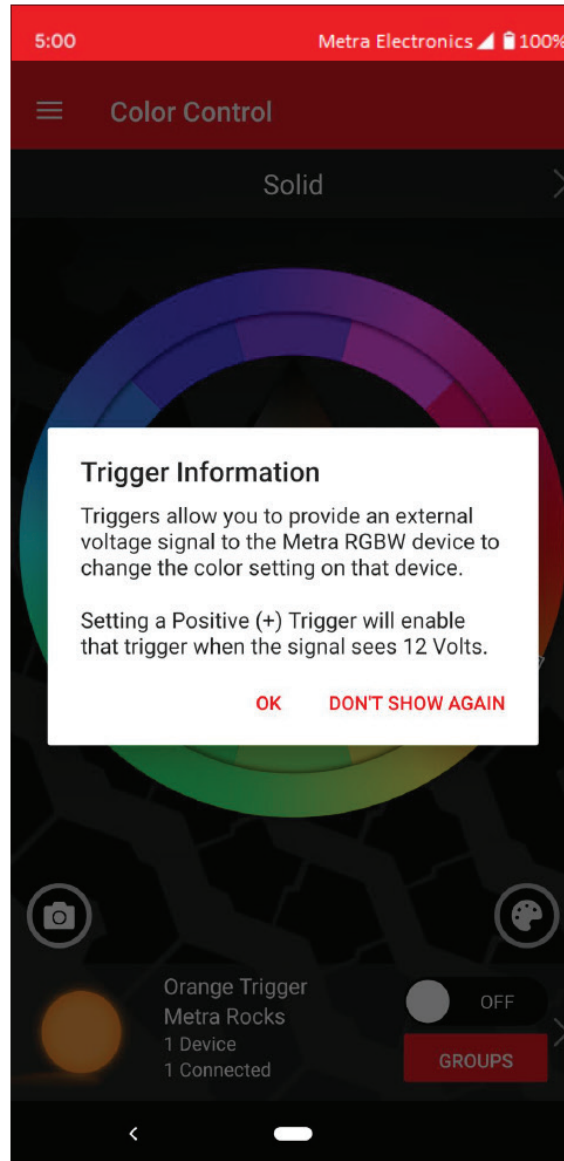
- 4 triggers activate with 12 volts
- Wires have hierarchy
- Orange has priority over all
- White has priority over red and gray
- Red has priority over gray
- Gray has no priority

(Figure I)

Operation examples:

1. Orange trigger used as a turn signal indicator.
2. White trigger used for reverse lighting.
3. Red trigger used for brake light indicator.
4. Grey trigger used for anything.

(Figure J)



(Figure I)



(Figure J)

Swipe left / right to switch between triggers

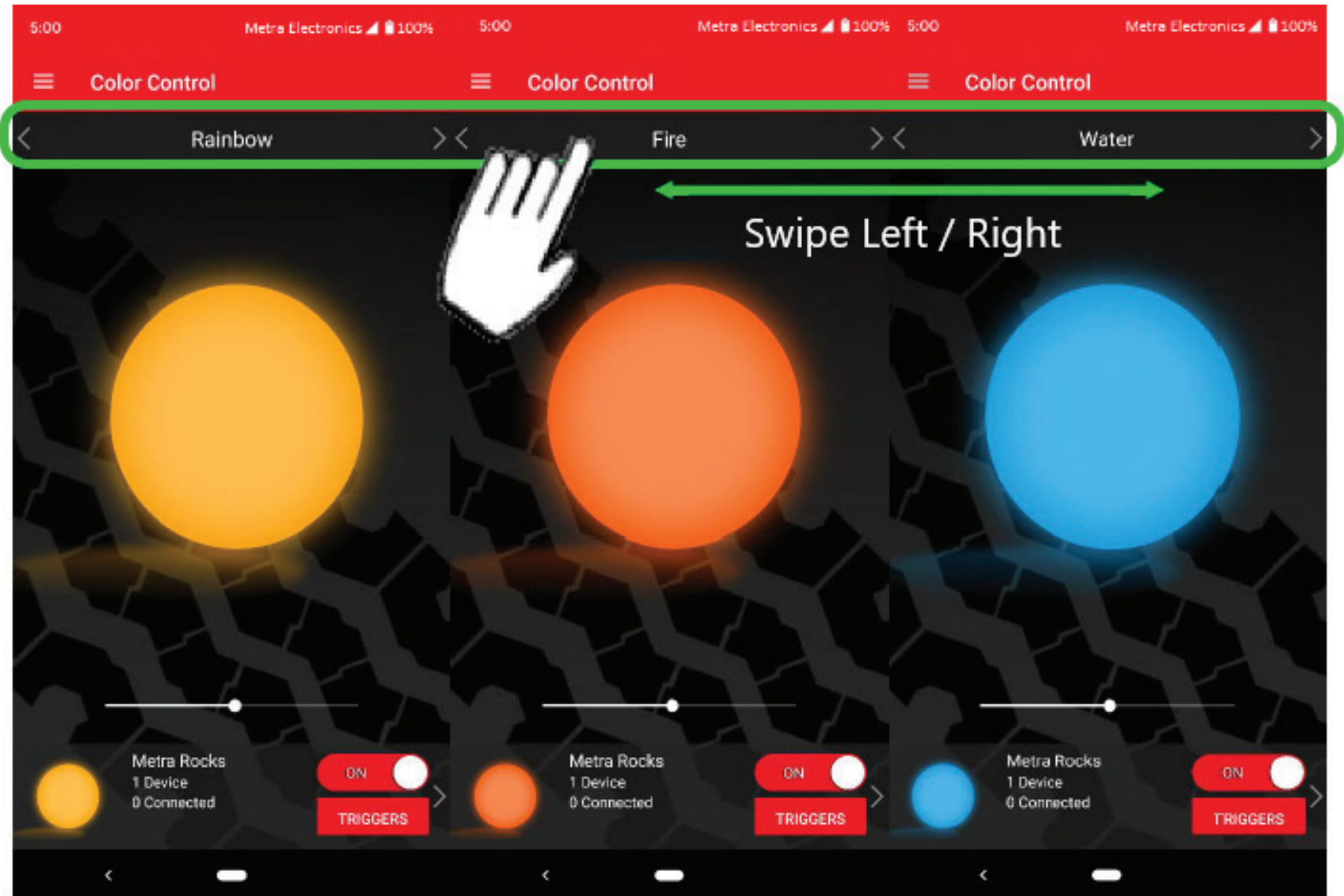
Continued on next page

RGBW APP Operation Instructions

Transitions, pattern controls

Swiping Left and right at the top of the page will change patterns and transitions.

- Transitions
 1. Rainbow
 2. Fire
 3. Water
- Speed is the only adjustment, use the slide bar located below the color circle.
(Figure K)



(Figure K)

Continued on next page

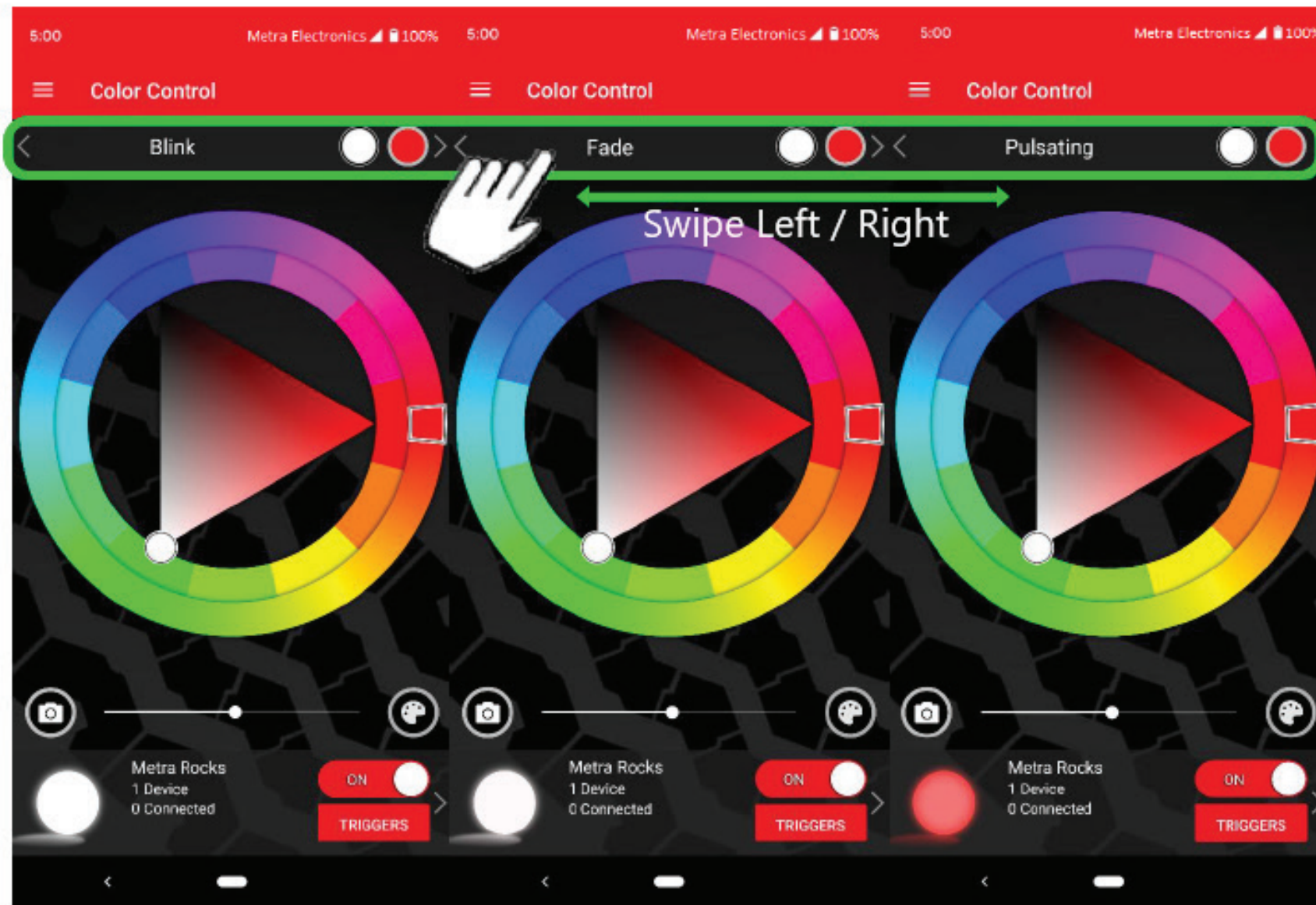
RGBW APP Operation Instructions

Transitions, pattern controls

Swiping Left and right at the top of the page will change patterns and transitions.

- Patterns
 1. Blink
 2. Fade
 3. Pulsating
- Colors selected by 2 dots adjacent to the pattern type
- Speed is adjusted with the slide bar located below the color circle.

(Figure L)



(Figure L)

Continued on next page

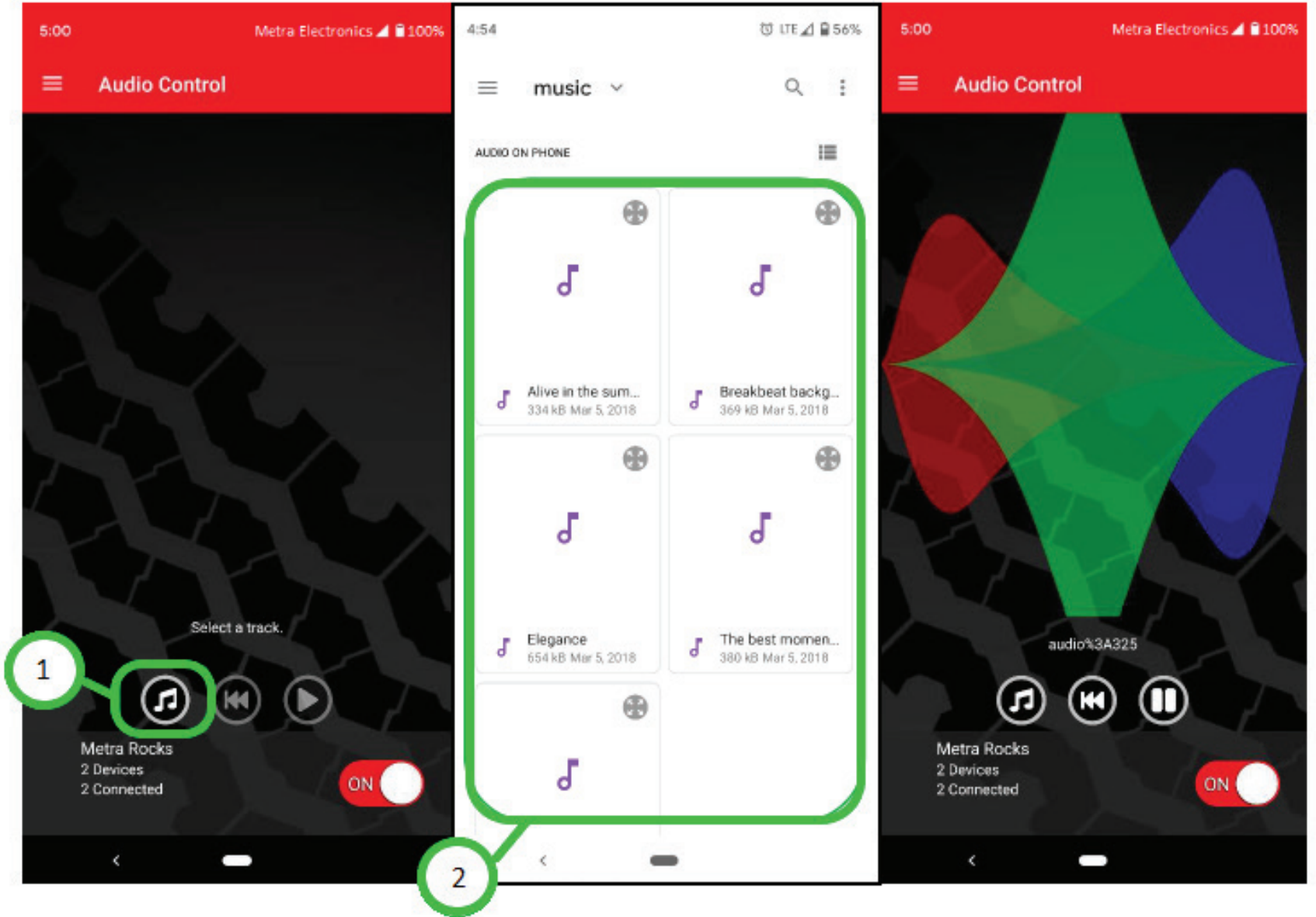
RGBW APP Operation Instructions

Audio Controls

- The app has an audio controller, music located on a phone can be played. The colors will dance to the beat. The intensity of the dancing lights will increase or decrease based on the volume level.

(Figure M)

NOTE: Music files must be stored locally on the phone and will not work with streaming music services.



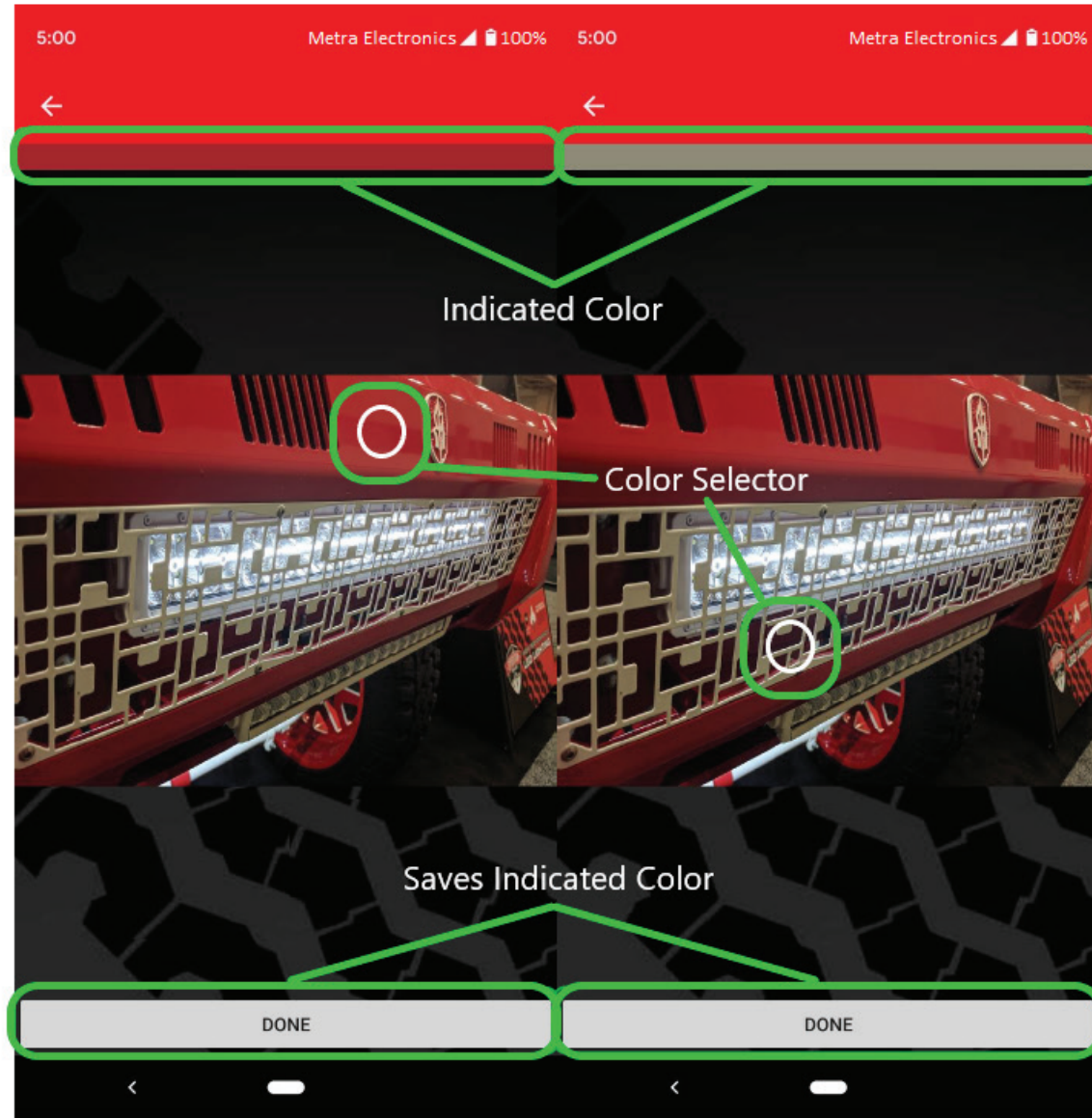
(Figure M)

Continued on next page

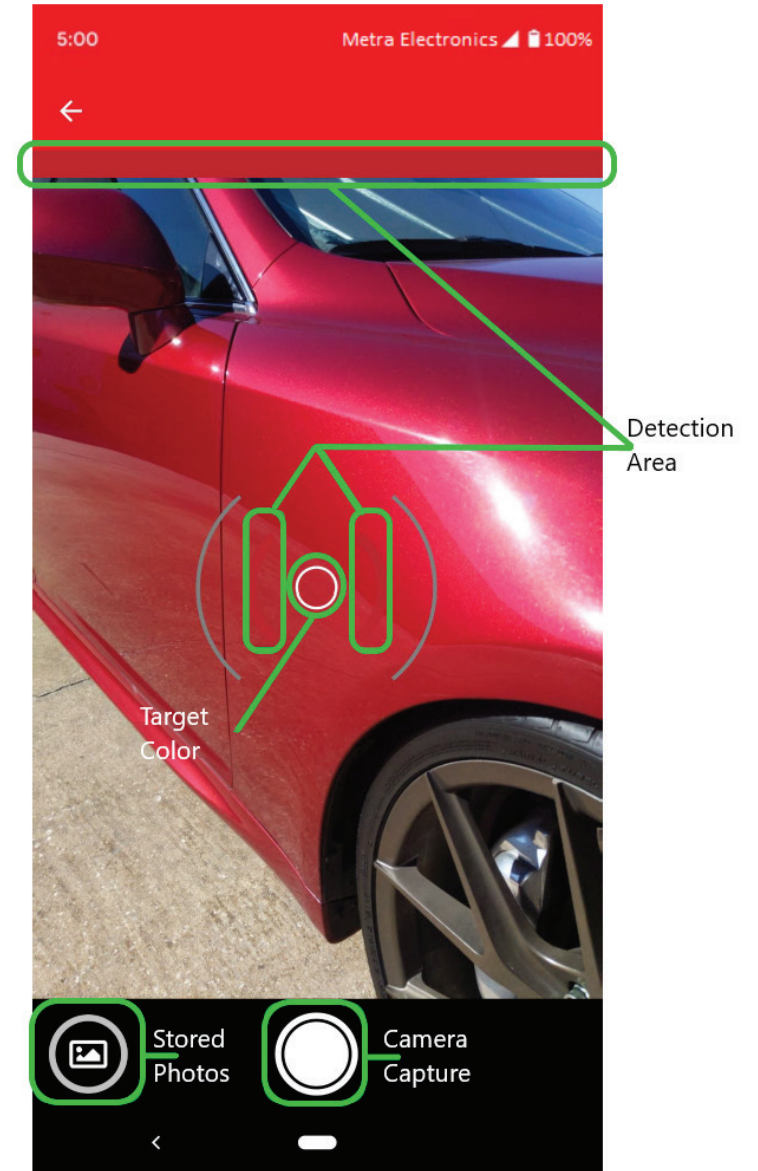
RGBW APP Operation Instructions

Camera Color Snap

- Use the devices camera to pick a specific color. (Figure N)
- Center the circle on the color of the choice and take the picture. To select a color from a photo already in the gallery select the icon in the bottom left corner of the screen. Use the finger to find the color. The bar at the top of the page will show the color selection. When finished hit done. The LED's will change to the selection. (Figure P)



(Figure N)



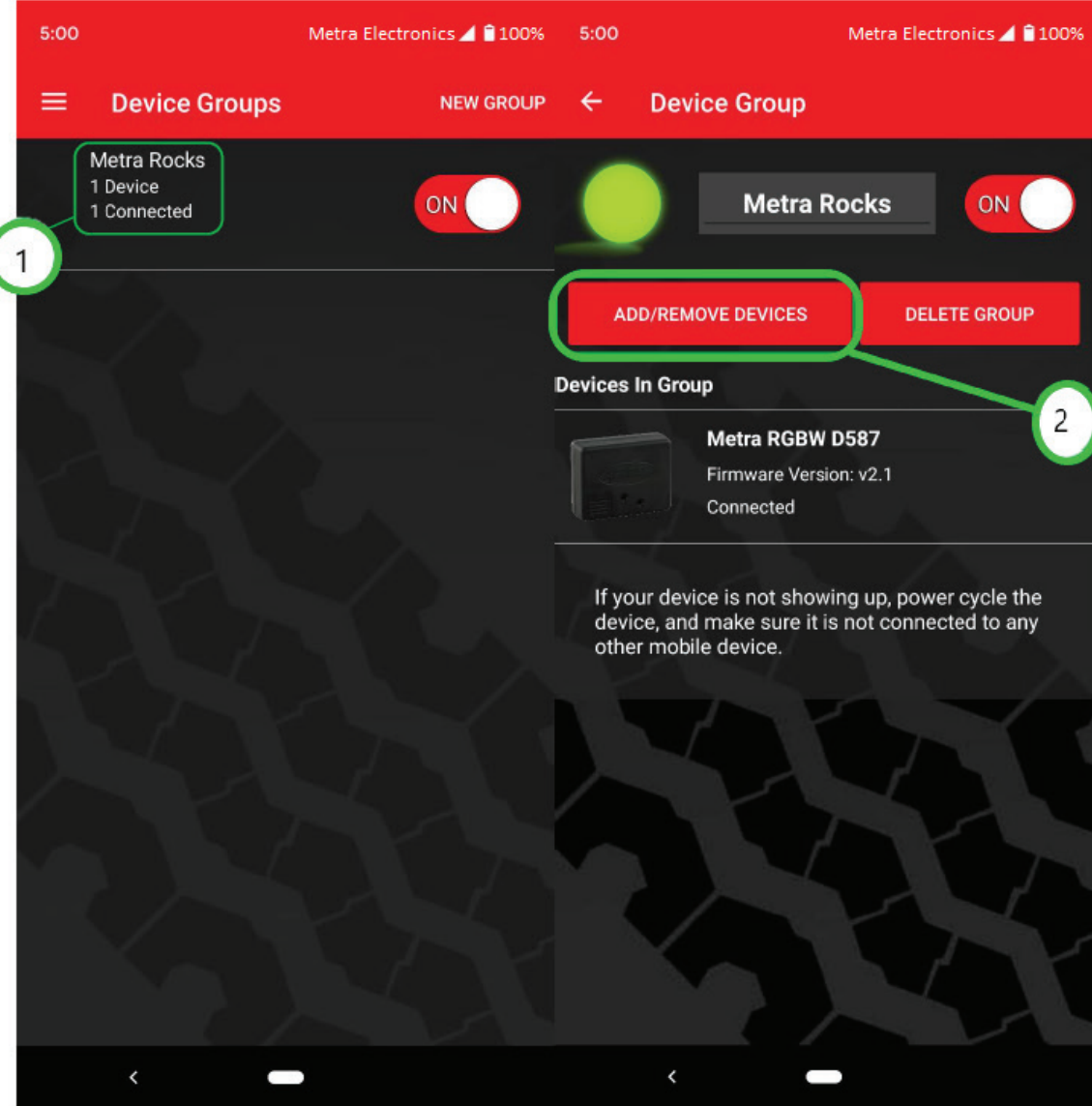
(Figure P)

Continued on next page

RGBW APP Operation Instructions

Group Controllers

- In Device Groups menu, select the controller to open that device group. (Figure Q)
- Select the Add/Remove Devices menu.
- Devices in the group will be displayed



(Figure Q)

Continued on next page

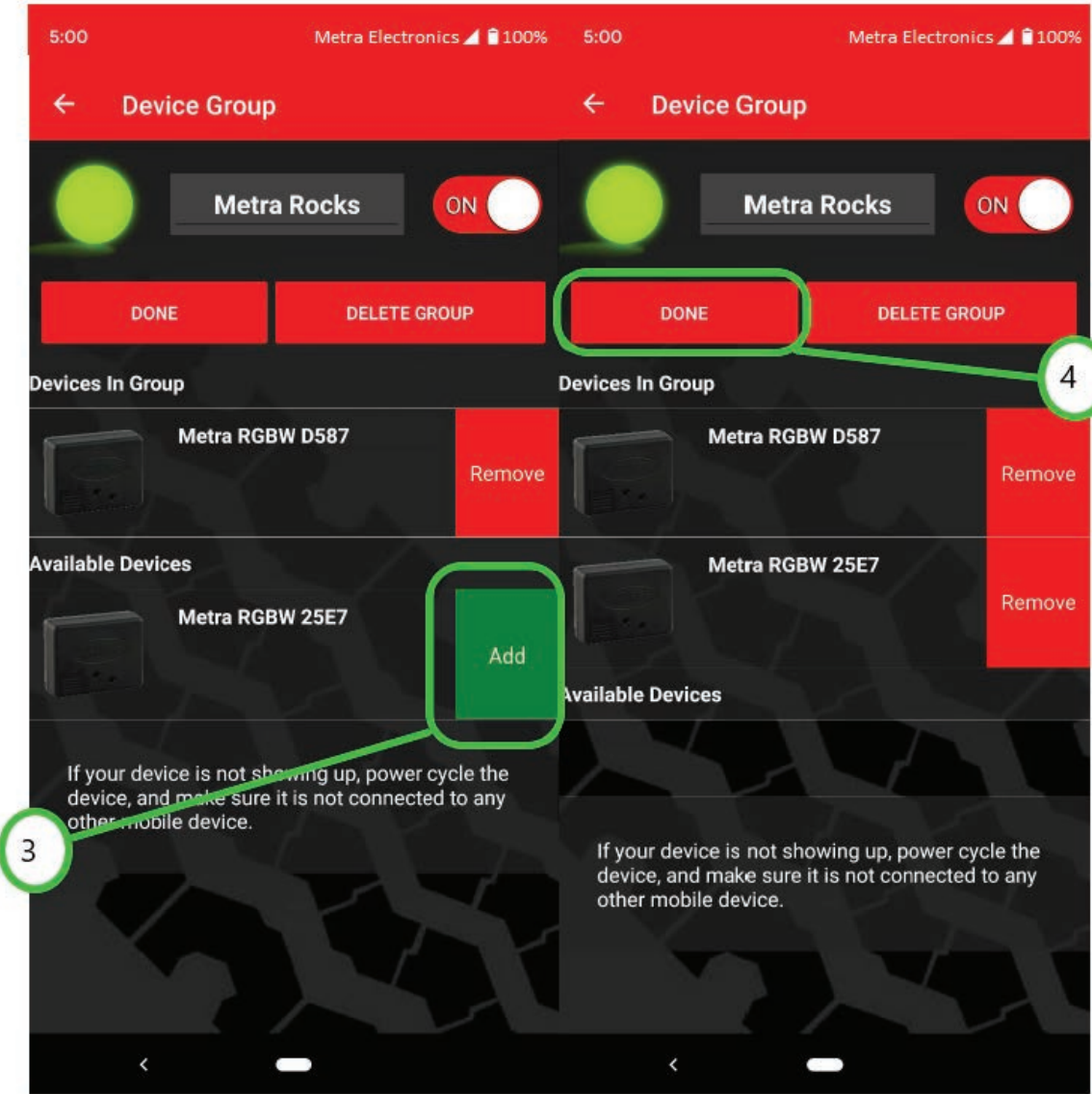
RGBW APP Operation Instructions

Group Controllers

- To add additional select the “Add” and the device will be added to the current group (Figure R)

All grouped controllers can now be controlled at the same time.

NOTE: Triggers colors will operate all control boxes within that group.
Learn how to have independent control of each control boxes trigger see the advanced trigger setup section.



(Figure R)

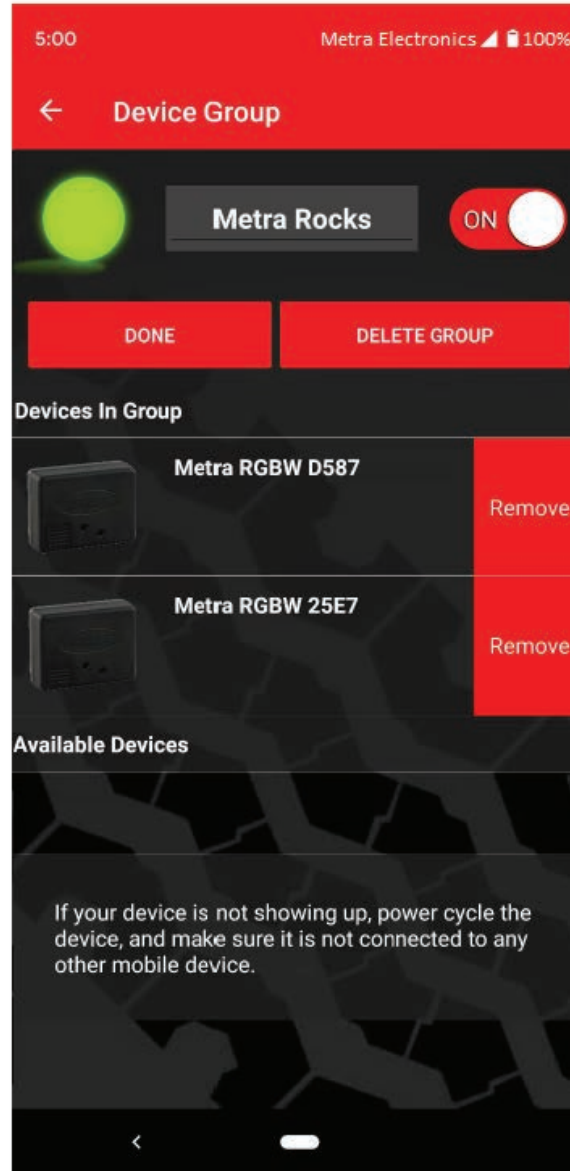
Continue to next page

RGBW APP Operation Instructions

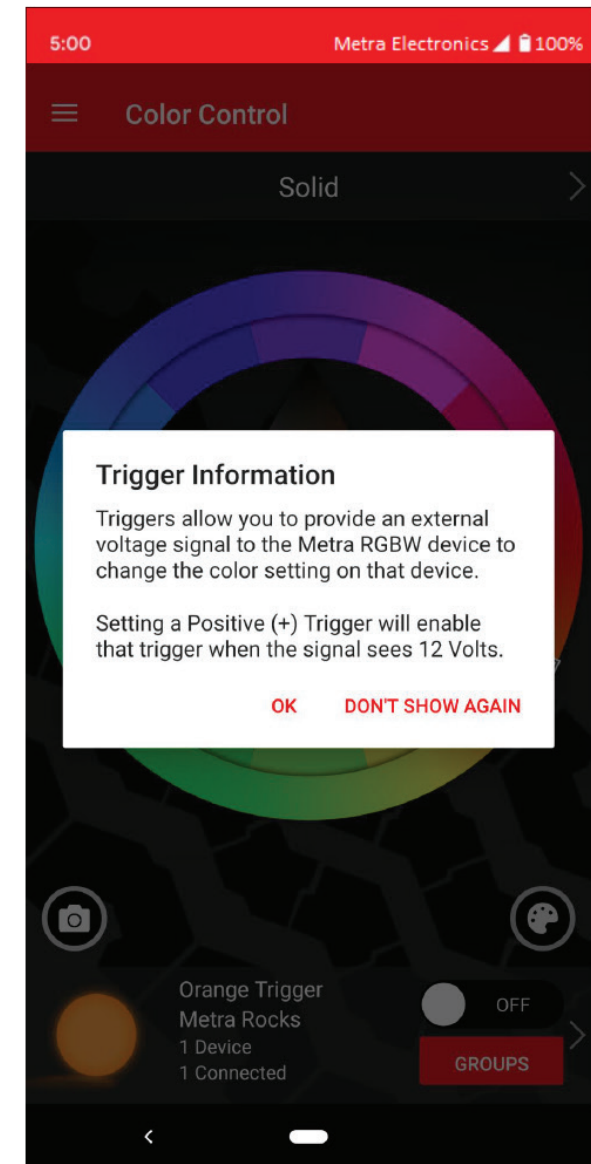
Advanced trigger setup

Following these steps to control multiple RGB, RGBW boxes.

1. Make sure each control box is in its own group.
(Figure S)
2. From the Color Control Screen select the first devices trigger button.
(Figure T)
3. Program the trigger colors.
4. Confirm the selections
5. Swipe left to the next controller
6. Program the trigger colors
7. Confirm the selections
8. Go into the Device Groups menu
9. Select one of the controllers
10. Delete Group, hit yes
11. Select the remaining controller and hit Add/Remove Devices
12. Add the deleted device to the primary group
13. Now the controllers are group with different trigger selections



(Figure S)



(Figure T)

Continue to next page

Advanced trigger setup

An example of when to use this type of setup is for independent control of the turn signals.
Right Turn Signal - Right Rock lights change to amber & Left Turn Signal - Left Rock lights change to amber.

NOTE! Once Triggers are set this way the grouped triggers cannot be changed separately.

Tip: if the triggers get locked on preset colors clear the cache of the app in the bluetooth device.

Tip: If the controller has issues that can't seem to be fixed by closing the app, perform factory reset.



Continue to next page

RGBW APP Device Information

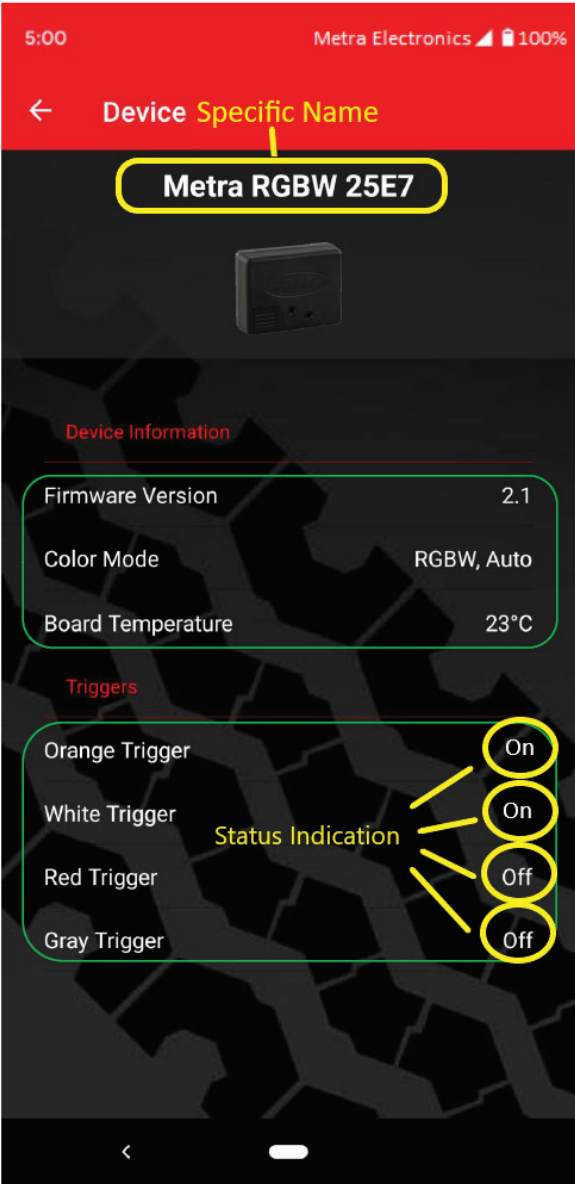
Additional information

Selecting a controller in the device menu will open a screen that will show additional information.

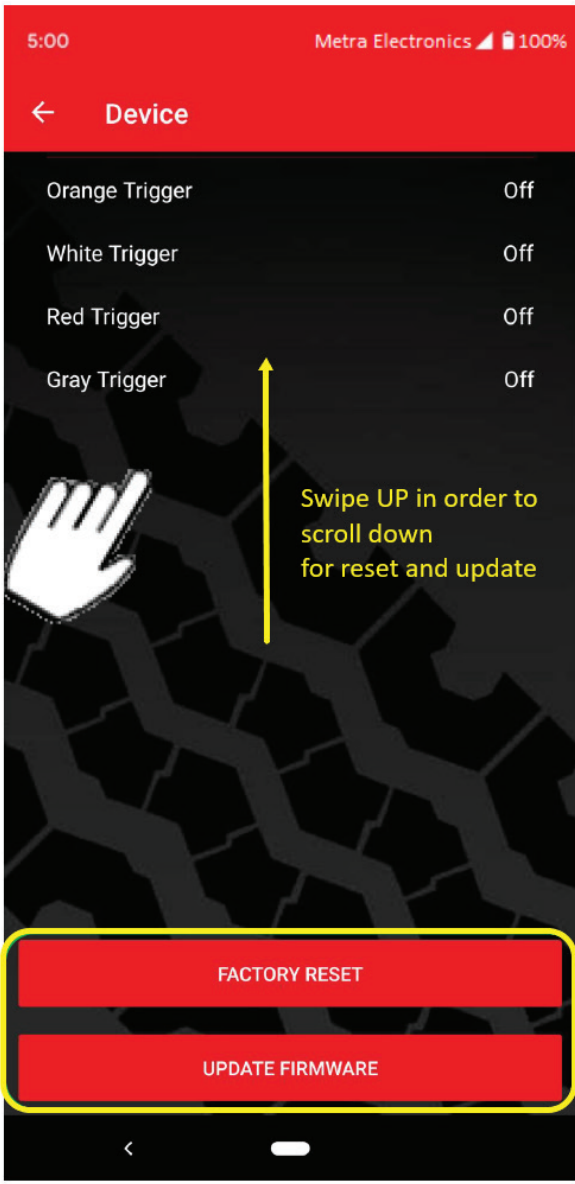
- Firmware version
- Type of RGB or RGBW lighting connected
- Temperature of the controller(s)
- Status of each trigger (Figure U)

Software

- Scrolling to the bottom of the page there will be update option, and factory reset (Figure V).



(Figure U)

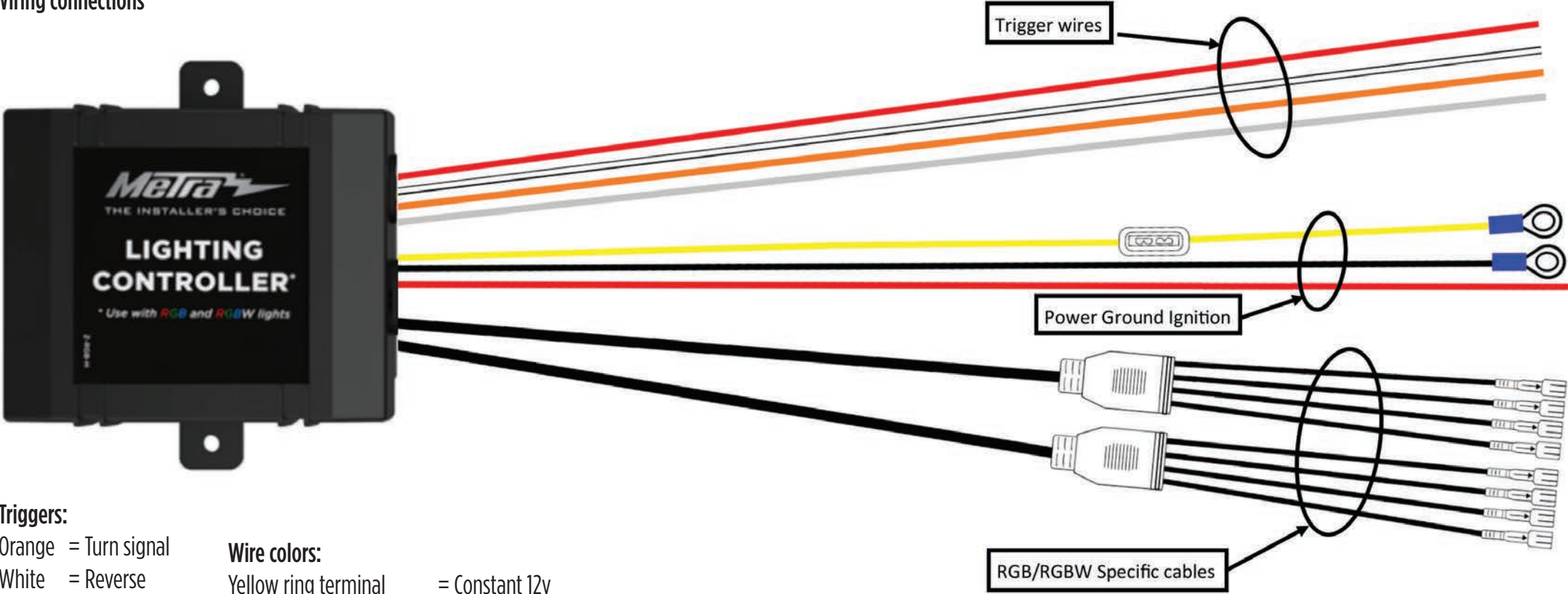


(Figure V)

Continued to next page

RGBW APP Device Information

Wiring connections



Triggers:

- Orange = Turn signal
- White = Reverse
- Red = Brake
- Gray = Auxiliary

Wire colors:

- Yellow ring terminal = Constant 12v
- Black ring terminal = Ground
- Red ring terminal = Accessory 12v

RGB / RGBW:

Specific light connectors



RGBW APP

OPERATION INSTRUCTIONS



Having difficulties? We're here to help.



Contact our Tech Support line at:
386-257-1187



Or via email at:
techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 7:00 PM

Sunday: 10:00 AM - 4:00 PM



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



Metra Recommends MECP certified technicians