LUXLi®

ORC-VIOLA-M2

VIOLA²

5" RGBAW LED LIGHT

USER MANUAL

Conduct an orchestra of lights.

The Luxli Orchestra series can produce a dazzling symphony of light. Synchronize LED light units of all sizes, choose from millions of possible colors, apply lighting effects from four selectable modes, and control them instantly with the powerful Conductor mobile app.

The Viola^2 five-inch multicolor LED light features a highly accurate and remarkably versatile RGBAW LED panel. The light is equipped with Bluetooth 4.0 LE that pairs with your tablet or smartphone the moment you open Luxli's Conductor mobile app. Whether controlled via the app or the intuitive interface on the unit itself, the Viola^2 will illuminate your creative vision with endless possibility.

For the latest version of the Conductor mobile app, firmware updates, and a .pdf of the full user manual, as well as videos and ideas for creative uses for the Viola^2, visit luxlilight.com.
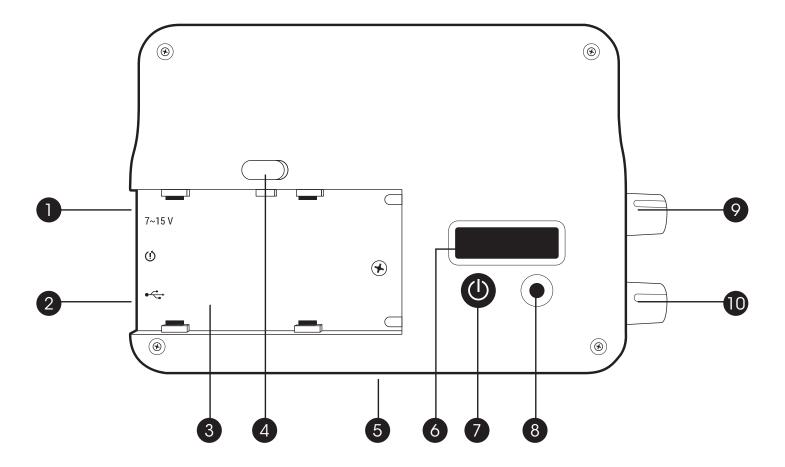
Precautions

• Please read and follow these instructions, and keep this manual in a safe place.

• Keep this product away from water and flammable gases or liquids.

• Use only the correct, recommended voltage.

• Use only batteries supplied with the Viola^2 or batteries recommended by Luxli. Other batteries may behave differently and affect the performance of the unit.

• Do not attempt to disassemble or repair this product.

• Clean this product with only a soft, dry cloth.

• To avoid damage to this product, be careful not to overtighten or improperly thread any of the threaded fittings.

• All images are for illustrative purposes only.

Overview

1. 2.1 mm DC input
2. Micro-USB port for firmware updates (visit luxlilight.com for details)
3. Battery slot
4. Battery release
5. 1/4-20 socket
6. LCD panel
7. Power button
8. Mode button
9. ☀ Brightness dial
10. ✿ Adjustment dial

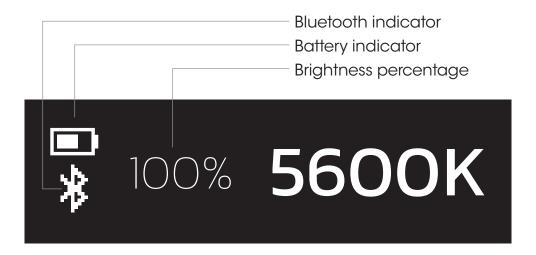**Also Included**

- Shoe-mount ball head
- NP-F550 battery
- Battery charger

User Interface

Bluetooth indicator
Battery indicator
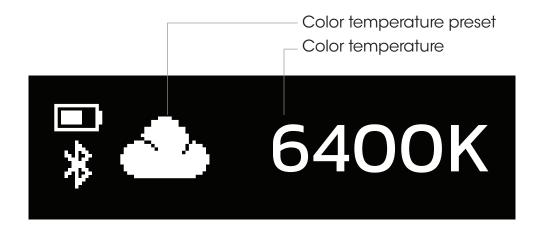Brightness percentage

100% 5600K

☀ **Brightness dial**

• ☀ Scroll: Adjusts the brightness from 100% to 0%.
• ☀ Press: Turns off the LED panel without powering down.

CCT Mode

Correlated color temperature (CCT) mode allows you to accurately adjust the color temperature from 3000 to 10,000K. CCT mode is effective for color matching the Viola² to almost any light source.

The color temperature and brightness can also be adjusted from the Controller app.

Color temperature preset

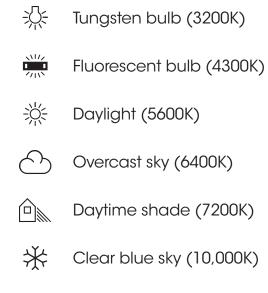Color temperature

6400K

☀ **Brightness dial**
- Scroll: Adjusts the brightness from 100% to 0%.
- Press: Turns off the LED panel without powering down.

⚙ **Adjustment dial**
- Scroll: Adjusts the color temperature in 50K increments
- Press: Switches between tungsten balance (3200K) and daylight balance (5600K).

Color Temperature Preset Indicators

As you scroll through the color temperature, the icons that appear on the LCD screen light up to indicate industry-standard color temperature settings.

Tungsten bulb (3200K)

Fluorescent bulb (4300K)

Daylight (5600K)

Overcast sky (6400K)

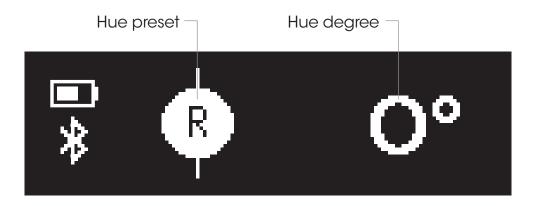Daytime shade (7200K)

Clear blue sky (10,000K)

Color Wheel Mode

Color wheel mode lets you dial up every color of the visible spectrum by scrolling through the entire color wheel.

In color wheel mode, you can create accent lighting as well as dramatic lighting effects for photography and video.

Color wheel mode is also available on the Conductor app.

The LCD panel displays the position on the color wheel in degrees.

Hue preset   Hue degree

☀ **Brightness dial**
- Scroll: Adjusts the brightness from 100% to 0%.
- Press: Turns off the LED panel without powering down.

⚙ **Adjustment dial**
- Scroll: Scrolls through the color spectrum in 1° increments.
- Press: No function.

Hue Preset Indicators

As you scroll through the color temperature, the icons that appear on the LCD screen light up to indicate industry-standard color temperature settings.

Ⓡ Red (0°)

Ⓒ Cyan (180°)

Ⓨ Yellow (60°)

Ⓑ Blue (240°)
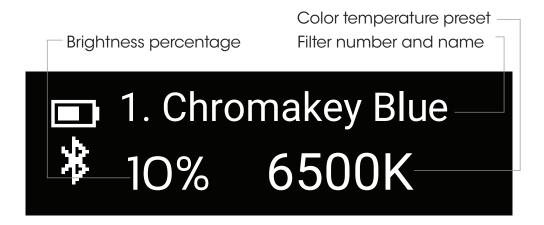
Ⓖ Green (120°)

Ⓜ Magenta (300°)

Filter Mode

Filter mode allows you to apply colored gels to your current CCT setting.

This mode allows you to match the color temperature of your other lights and then add a gel for a touch of color to the light. The Viola² uses the setting from CCT mode to calculate the precise color temperature of the gel as it would appear on the actual light.

Applying a filter to a preset white-balance color temperature is available on the Conductor app in CCT mode.

Each numbered gel has a descriptive title and the exact color temperature.

Color temperature preset

Brightness percentage   Filter number and name

1. Chromakey Blue
10%   6500K

☀ **Brightness dial**
- Scroll: Adjusts the brightness from 100% to 0%.
- Press: Turns off the LED panel without powering down.

⚙ **Adjustment dial**
- Scroll: Scrolls through available gels.
- Press: Switches between 3200, 5600, and 6500K white-balance color temperatures.

Setting the White-Balance Color Temperature

If you need a white-balance color temperature other than the presets, the Viola^2 can be adjusted to a specific color temperature for filter mode.

A specific white-balance color temperature can also be set with the Conductor app.

To adjust the color temperature setting of filter mode, follow these steps:

1. Press the mode select button repeatedly until CCT mode appears on the LCD display.

2. Use the adjustment dial to scroll to the desired color temperature.

3. Press the mode select button repeatedly to return to filter mode.

Effects Mode

The Viola^2 is preset with 10 animated special effects. Each effect can be edited in the Conductor app so you can control the variable settings of the selected effect.

Play/stop indicator

Brightness percentage   Effect number and name

    ⬜ **1. CCT chase**

    ⚡ **10%   Play**

☀ **Brightness dial**
- Scroll: Adjusts the brightness from 100% to 0%.
- Press: No function.

⚙ **Adjustment dial**
- Scroll: Scrolls through available effects.
- Press: Runs and stops the effect.

Description of the Special Effects

The settings for each effect listed below are editable only in the Conductor app.

Go to www.luxlilight.com to download the conductor app to your mobile device.

CCT Chase

A continuous loop that changes between two preset color temperatures. Good for simulating a sunrise, sunset, or a change from cloudy to sunny weather in real time. Since the sequence loops, you can shoot multiple takes without reprogramming the light.

CCT Start: Selects the color temperature at the beginning of the sequence (3000 to 10,000K).

CCT Stop: Selects the final color temperature of the sequence (3000 to 10,000K).

+/- Green: Sets the green/magenta (tint) saturation level in 1% increments from +100% (green) to -100% (magenta).

Time Unit: Select seconds or minutes for the time loop.

Time/Loop: Select how many seconds or minutes the loop will last (1 to 160).

Color Chase
A continuous loop that moves through the color wheel between two selected colors. Since the sequence loops, you can shoot multiple takes without reprogramming the light.

Hue Start: Selects the color at the beginning of the sequence (0° to 360°).

Hue Stop: Selects the final color of the sequence (1° to 360°).

Saturation: Determines the color intensity from 100% (full color) to 0% (white light).

Time Unit: Select seconds or minutes for the time loop.

Time/Loop: Select the duration in seconds or minutes for each loop (1 to 160).

Explosion
Simulates the light from explosions. The Timpani generates random-length pulses and strobes within a range of the red to amber section of the color wheel.

Explosions/Minute: Sets how many separate explosions occur each minute.

Duration (%): Set the percentage of time the light is illuminated for each pulse or strobe (5% to 95%).

Hue Min/Hue Max: Selects the range of color for each explosion (0° to 360°).

Fire

Simulates the light of a candle, camp fire, or bonfire in various wind conditions.

Fire Type: Select candle, campfire, or bonfire.

Wind Type: Select no wind, breeze, windy, or storm.

Fireworks

Simulates the light from fireworks. Colors and timing of each flash are random.

Explosions/Minute: Sets how many flashes will occur per minute (1 to 50).

Duration (%): Determines the percentage of time the light is illuminated in each cycle. Select from a range of 5% (shortest duration) to 95% (longest duration).

Lightning

Simulates lightning by creating random short and long bursts.

CCT: Selects the color temperature of the lightning flashes (3000 to 10,000K) in 50K increments.

Interval(s): Sets the interval of seconds between lightning flashes (1 to 60).

Paparazzi

Simulates the random firing of multiple camera flashes.

Intensity: Higher intensity increases the number of random flashes per second (0 to 100).

Bulb Type: Determines the length of each flash. Slow is the longest duration. Modern is the shortest duration. Choose from Slow, Medium, Fast, and Modern.

CCT: Sets the color temperature of the flashes from 2800 to 10,000K

+/- Green: Sets the green/magenta (tint) saturation level in 1% increments from +100% (green) to -100% (magenta).

Pulse

Offers a steady pulse at a programmable rate. Similar to the Strobe special effect (below), but the light fades on and off.

Hue: Selects the light color (0° to 360°).

Saturation: Determines the color intensity from 100% (full color) to 0% (white light).

Pulses/Minute: Sets how many times the light will pulse each minute (1 to 200).

Siren

Simulates the flashing lights of a police car or emergency vehicle.

Colors: Select the color combination of flashing lights. Choose red, blue, and white; red and blue; red and white; blue and white; blue; red; or SAE Amber.

Flash/Cycle: Set the number of times each individual color will flash within the cycle. Choose from 1 to 4 times per cycle.

Cycles/Minute: Determines how many repetitions of the cycle will occur each minute. Choose from 10 to 360.

Duration (%): Determines the percentage of time the light is illuminated in each cycle. Select from a range of 10% (shortest duration) to 90% (longest duration).

Strobe

Offers a steady, flashing light at a programmable rate.

Hue: Selects the light color (0° to 360°).

Saturation: Determines the color intensity from 100% (full color) to 0% (white light).

Frequency: Changes the number of flashes per second (1 to 25).

Duration (%): Determines the percentage of time the light is illuminated in each cycle. Select from a range of 10% (shortest duration) to 90% (longest duration).

Bluetooth Status Indicators

Bluetooth Status Indicators
⚠ Disabled   ⁑ Searching   ⁑ Connected

The Viola² starts up in Bluetooth search mode until it is paired with a Bluetooth device. Once the device is disconnected, the Viola² returns to search mode.

To disable Bluetooth, press and hold the mode select button for 3 seconds until you see the Bluetooth disabled icon.

Press and hold the mode select button for 3 seconds to enable Bluetooth and start search mode.

Connecting to the Conductor App

1. Enable Bluetooth on your device. Then open the Conductor app on your device.

2. Power on the Viola².

3. The app will prompt you to connect the Viola² to the app. Once you do, the light is connected and ready to use with the app.

To disconnect, exit the app.

Updating the Firmware

Visit www.luxlilight.com for the latest firmware for the Viola.

Follow the firmware update instructions that are in the folder with the latest firmware version.

Specifications

Light Fixture

Beam Angle	72°
Color Temperature	3000 to 10,000K
Color Accuracy Standard	CRI 97 at 3200K CRI 96 at 4300K CRI 96 at 5600K CRI 96 at 6400K CRI 95 at 7200K CRI 94 at 10,000K
Cooling System	Passive
Dimming	Yes, 0% to 100% (continuous)
Display	LCD
Light Panel	RGBAW LED
Housing Material	Plastic
Lumens	840
Photometrics	65 fc 700 lx @ 1 m
Number of LEDs	88
Expected Lamp Life	50,000 hr.
Rectangular Panel Size (W × H)	4.4 × 3.2 in. (11.2 × 8.1 cm)
Fixture Dimensions (W × H × D)	5.2 × 0.96 × 3.7 in. (13.2 × 2.4 × 9.4 cm)
Fixture Weight	0.38 lb. (172 g)

Connectors

Battery Plate	Sony L-series style
Power Connector	2.1 mm × 5.5 mm DC barrel
Service Connector	Micro-USB

Mounting

Fixture Mount	1/4-20 socket

Remote Operation

Remote Control Type	Bluetooth 4.0 LE
Wireless Range	30 ft. (9.1 m)

Power

DC Input Power	7–15 V, 2 A
Power Source	AC adapter, external battery
Max Power Consumption	17 W

Troubleshooting

• If you encounter any problems, first try turning the device off and then on.

• If the problem persists, remove the battery for 5 seconds, and then restart.

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference

2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Important: Changes or modifications to this product not authorized by Gradus Group could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product. This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions, and other electronic devices.

One-Year Limited Warranty

This Luxli product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Luxli Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Luxli along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.luxlilight.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.

www.gradusgroup.com

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