[pro]master®

CL36RGB [*RGB* *LED Light 3.0*]

CHROMA · SERIES

Cold Shoe

LCD Display

⏻/M Button

[pro]master
LED LIGHT
CHROMA CL36RGB V3
CODE 67872

Internal Li-Po Battery 3.7 V / 5000 mAh / 18.5 Wh
FCC ID: 2A8R6-CL36RGBV3   Made in China

ADJ/FN Dial

BRT Dial

Upper Locking Wheel

Lower Locking Wheel

Cold Foot

Ultrasoft
Diffuser

Honeycomb Grid

USB-C
Charging Port

1/4"-20
Threaded Ports
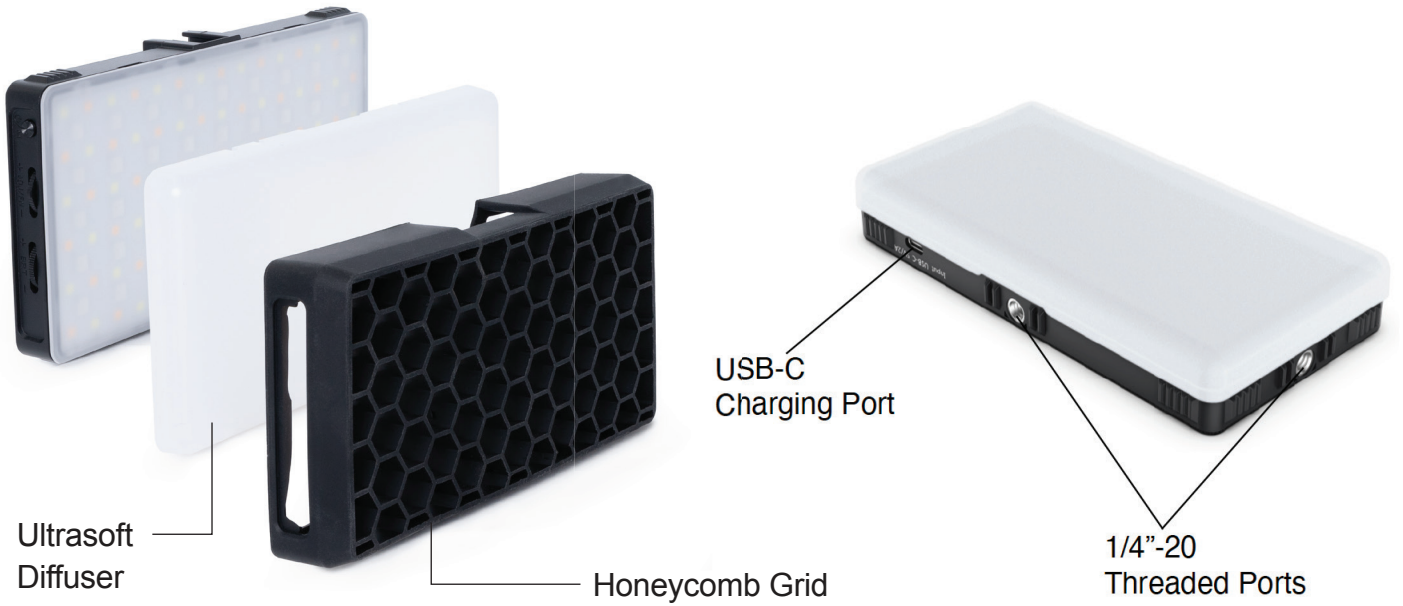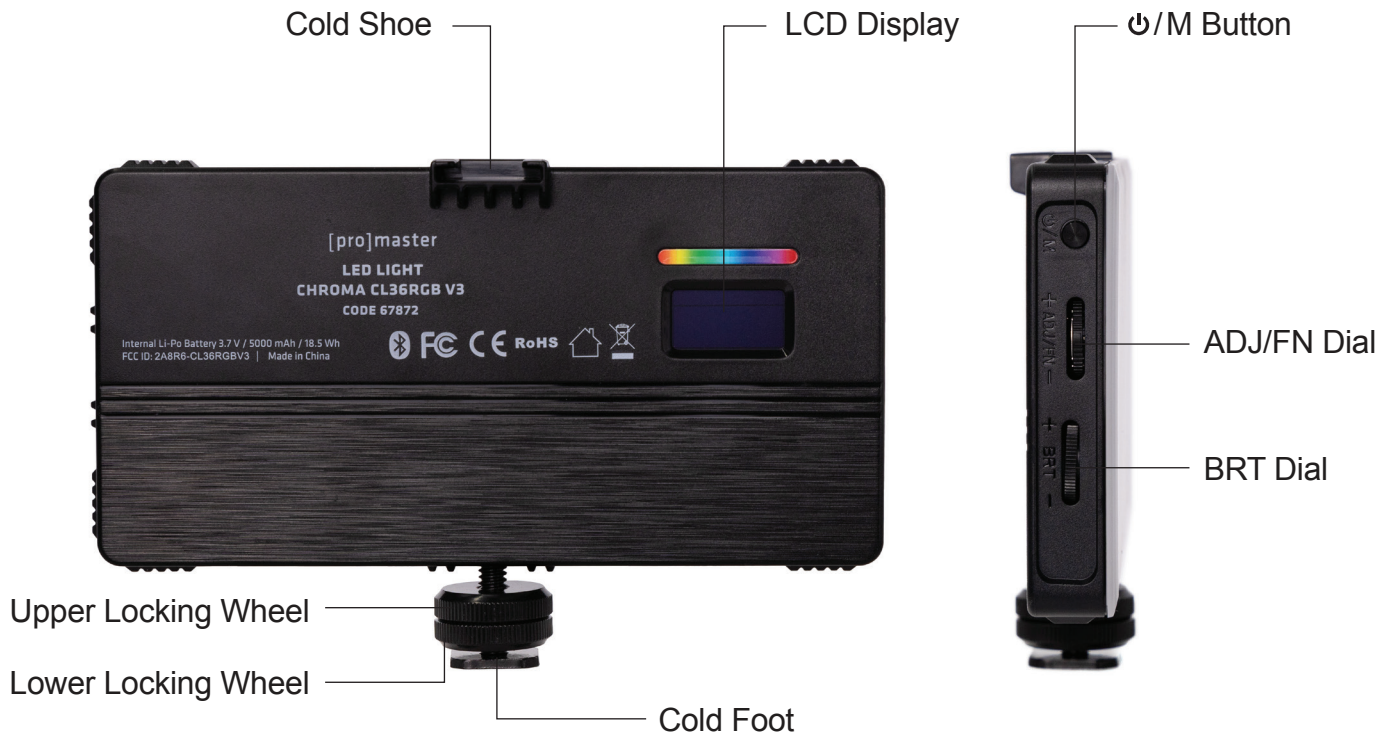
Parts Diagram:

1) USB-C Charging Port
2) LCD Display
3) Cold Foot
4) Upper Locking Wheel
5) Lower Locking Wheel
6) Cold Shoe

7) ¼"-20 Threaded Ports
8) ⏻/M Button
9) BRT Dial
10) ADJ/FN Dial
11) Ultrasoft Diffuser
12) Honeycomb Grid

Features:

+ Bi-color mode; RGB mode with 360 colors & saturation control
+ Special effects mode with 19 scenes
+ Excellent color rendition (TLCI 98+ / CRI 96+)
+ Built-in cold shoe for attaching an additional accessory
+ Built-in rechargeable battery & USB-C charging
+ Works wirelessly with the Light Attendant app

Included Components:

1) Chroma CL36RGB LED Light 3.0
2) Ultrasoft Diffuser
3) Honeycomb Grid
4) USB-C to USB-A Charging Cable
5) Metal Cold Foot

Chroma CL36RGB
LED Light 3.0

Ultrasoft Diffuser

Honeycomb Grid

Metal Cold Foot

USB-C to USB-A
Charging Cable
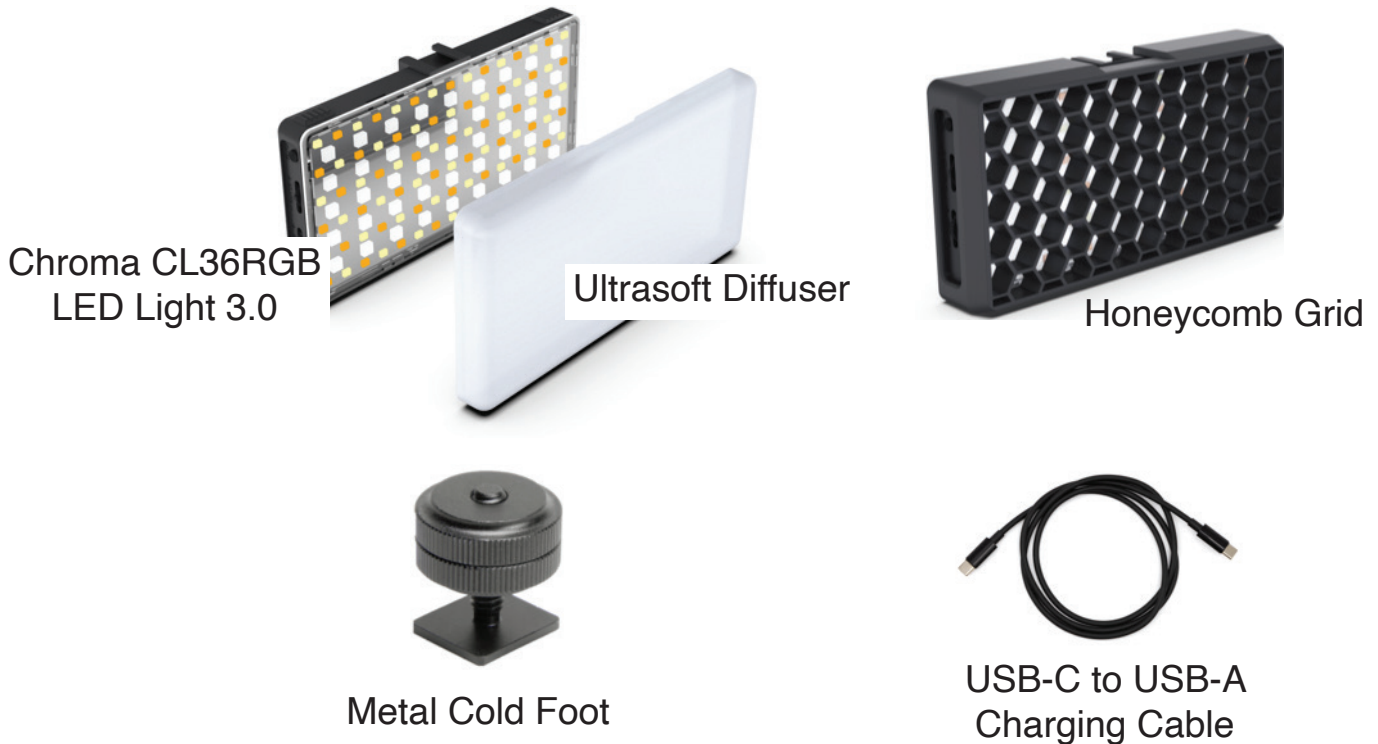
Charging and Using the Battery Indicator

Locate the USB-C Charging Port (1) and the USB-C to USB-A Charging Cable included with this kit. Connect the cable to the light's port and then connect the other side of the cable to a USB-A charger. A minimum charging input of 2 A is required (at the standard 5 V USB voltage). You can use higher amperage chargers such as 2.2 A, 2.4 A, and 3.0 A with the CL33RGB 3.0 light. The maximum charging input is 5 A.

A battery indicator icon is shown in the upper, right corner of the LCD Display (2). When the light is connected to a charger the battery icon will show an additional plug icon to its left; and the inside of the battery icon will use blinking bars to show how much of the battery is charged. A total of 4 bars will fill the inside of the battery icon from left to right as charging continues. The battery is fully charged when the 4th bar is on steady (not blinking). The battery icon charging indicator will be shown when the light is shut OFF or when it is turned ON, so long as it is connected to a charger.

If the light is not connected to a charger and it is turned ON, the battery icon will be shown without the plug icon to its left. As the battery is drained the 4 bars inside the battery icon will disappear from right to left. Each bar represents about 25% of the light's internal battery capacity.

For <u>using the light while charging</u> an input of <u>3 A</u> (at the standard 5 V USB voltage) is required.
   • *Please note, the light will not allow you to set its brightness above 70%, in any mode, while it is charging and turned ON simultaneously.*

Battery Icon   Battery Icon with Plug Icon
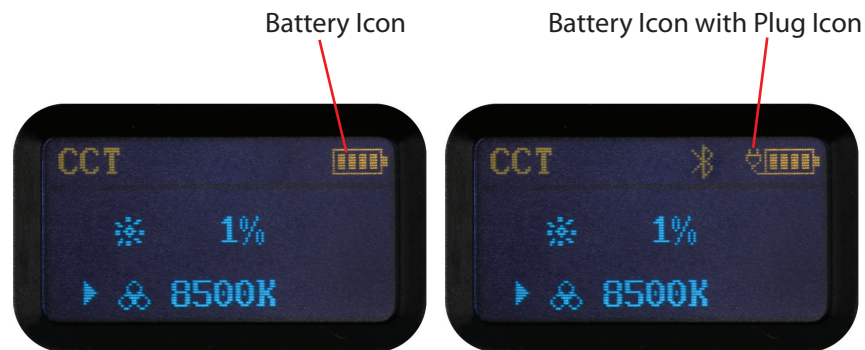
Connecting the Light:

The light has two ¼"-20 Threaded Ports (7). One is located on its base while the other is located on its side. Either of these ports can be used to attach the light to a wide variety of photographic items such as, but not limited to: a light stand, tripod, flex arm, articulating arm, clamp, spigot or stud, and more.

To conveniently attach the light to your camera, use the included Cold Foot (3). Connect the Cold Foot (3) to one of the light's ¼"-20 Threaded Ports (7). After threading it into one of the ports, use the Upper Locking Wheel (4) to secure the Cold Foot (3) to the light. Use the Lower Locking Wheel (5) to secure the Cold Foot (3) to your camera or any other device with a compatible hot or cold shoe.

Powering ON or OFF:

Press and hold the ⏻/M Button (8) for approximately 1 second until the light illuminates. Press and hold this same button for approximately 1 second to turn the light OFF. Be advised, while the light is ON, quick presses of the ⏻/M Button (8) are used to make selections within the light's modes. This is explained in more detail in the Using the Modes section of this manual.

Adjusting the Brightness:

The light's brightness setting (also referred to as illumination) is shown in the middle of the LCD Display (2) in any mode. It is displayed as a percentage on a scale of 1 to 100%. Use the BRT Dial (9) to change the brightness. Notice there is a + symbol to one side of this dial and a – symbol on the other. As you rotate the dial towards + brightness will increase. As you rotate the dial towards the – symbol brightness will decrease.

- *Please note, you can change the light's brightness in any mode except in the MENU for changing Groups and Channels.*

Brightness Symbol/Current Brightness Setting
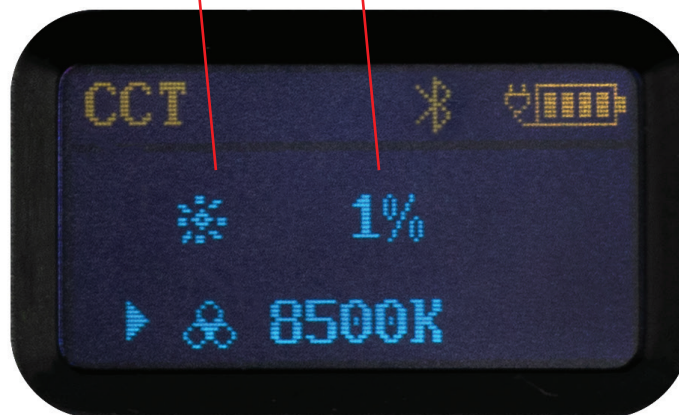
Using the Modes:

The CL36RGB has 3 light modes: HSI, CCT, and EFFECTS. The ⏻/M Button (8) is used to change the mode. The ADJ/FN Dial (10) is used to choose and change settings within each mode. It is important to note the ADJ/FN Dial (10) is multi-functional. When pressed in it acts as a button. When pushed/slid to its left or right it acts as a rocker switch.

HSI Mode is the light's color mode (sometimes referred to as RGB). It is identified as HSI on the light's LCD Display (2). HSI stands for Hue, Saturation, Intensity. In HSI mode you have access to 360 distinct Hues (colors) as well as the ability to adjust the Saturation of each color. You can also adjust the Intensity (brightness). Each Hue has a corresponding number which is shown in the LCD Display (2) in the lower, left corner next to the letter "H". The Saturation is shown in the lower, right corner next to the letter "S" and is a percentage on a scale of 0 to 100%. The Intensity is shown in the middle of the display in HSI mode.

With the light turned ON quickly press and release the ⏻/M Button (8) to change modes. Each time you press and release this button the mode will change. When you have reached HSI mode use the

ADJ/FN Dial (10) to choose between Hue and Saturation by pressing it in and releasing it (don't hold it in or the light will change to a different mode). Each time you press and release this button notice a small triangle symbol will appear next to either the letter "H" or the letter "S" to indicate which you are changing. Push/slide the ADJ/FN Dial (10) to its left or right to increase or decrease the Hue number or the Saturation percentage. Notice the + and – symbols to the left and right of the ADJ/FN Dial (10) on the light as a visual aid for this.

HSI Mode

Padlock Symbol   Hue Setting   Triangle Symbol   Saturation Setting
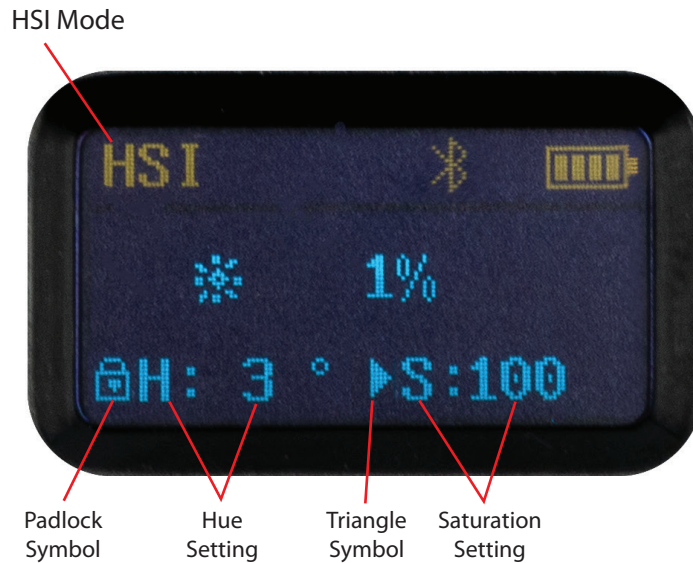
CCT Mode is the light's mode for using "white light" with the ability to adjust the warmth or coolness of the light. It is sometimes referred to as bi-color. CCT stands for Correlated Color Temperature. In this mode you have the ability to adjust the color temperature on a scale of 2,500 to 8,500 Kelvin or "K". The Kelvin scale is commonly used for color temperature. Simply put, the lower the number the warmer the light and the higher the number the cooler the light. 2,500 K is the warmest setting while 8,500 K is the coolest. The color temperature of the light is displayed in the lower, middle of the LCD Display (2) in CCT mode.

With the light turned ON quickly press and release the ⏻/M Button (8) to change modes. Each time you press and release this button the mode will change. When you have reached the CCT mode use the ADJ/FN Button (10) to adjust the color temperature. Push/slide the ADJ/FN Dial (10) to its left or right to increase or decrease the Kelvin number. Notice the + and – symbols to the left and right of the ADJ/FN Dial (10) on the light to help with this.

CCT Mode

Color Temperature Setting
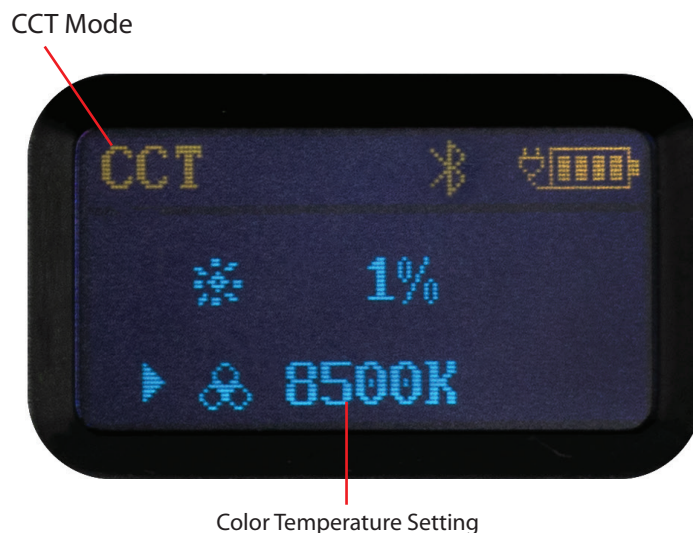
EFFECTS Mode is for creating scenes, used in video, with this light. There are 19 distinct scenes to choose from. Many of them have options for slow, medium, or fast speeds which brings the total number of options to 49.

1– HSI Slow	2 – HSI Medium	3 – HSI Fast
4 – Flash Slow	5 – Flash Medium	6 – Flash Fast
7 – Party Slow	8 – Party Medium	9 – Party Fast
10 – Lightning Slow	11 – Lightning Medium	12 – Lightning Fast
13 – Faulty Bulb Slow	14 – Faulty Bulb Medium	15 – Faulty Bulb Fast
16 – TV Slow	17 – TV Medium	18 – TV Fast
19 – Candle Slow	20 – Candle Medium	21 – Candle Fast
22 – Fire Slow	23 – Fire Medium	24 – Fire Fast
25 – Fireworks Slow	26 – Fireworks Medium	27 – Fireworks Fast
28 – Police Car Slow	29 – Police Car Medium	30 – Police Car Fast
31 – Fire Truck Slow	32 – Fire Truck Medium	33 – Fire Truck Fast
34 – Ambulance Slow	35 – Ambulance Medium	36 – Ambulance Fast
37 – Emergency	38 – Pulsing	39 – High / Low Beam
40 – Red Flash Slow	41 – Red Flash Medium	42 – Red Flash Fast
43 – Green Flash Slow	44 – Green Flash Medium	45 – Green Flash Fast
46 – Blue Flash Slow	47 – Blue Flash Medium	48 – Blue Flash Fast
49 – S.O.S.		

The number and name of the scene is shown along the bottom of the LCD Display (2) in EFFECTS mode. The best way to understand each scene is to try it and see the effect. You can adjust the brightness of each scene as well.

With the light turned ON quickly press and release the ⏻/M Button (8) to change modes. Each time you press and release this button the mode will change. When you have reached the EFFECTS mode use the ADJ/FN Button (10) to change the scene. Push/slide the ADJ/FN Dial (10) to its left or right to go up or down through the scenes. The number to the left of the scene name will change along with the name. Notice the + and – symbols to the left and right of the ADJ/FN Dial (10) on the light to help with this.

EFFECTS MODE

Effect Number   Effect Name
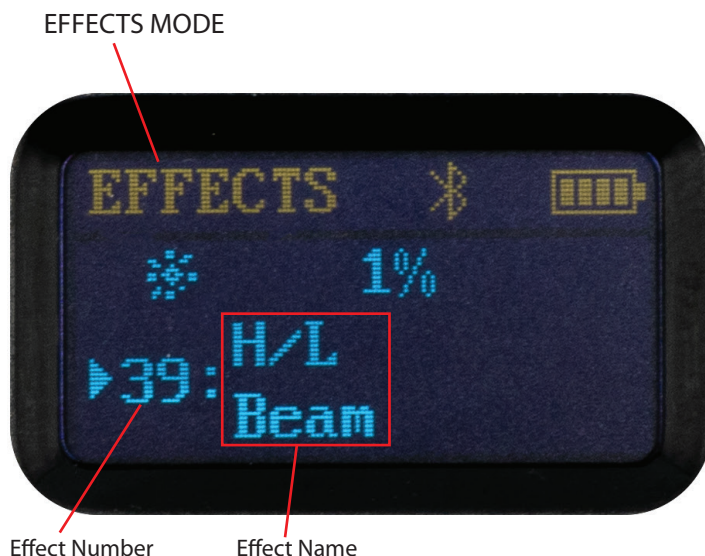
Wireless Control & Use of Groups and Channels:

The CL36RGB 3.0 can be controlled wirelessly (using Bluetooth® technology) with the ProMaster Light Attendant™ app. This app is available as a free download for iOS and Android devices from the App Store or Google Play. It is a pleasure to use with phones as well as tablets. It connects quickly and is extremely intuitive to use. Light Attendant also has extensive on-board help menus. Please download the app and refer to its help menus for further instruction. You will find the word HELP at the bottom of every screen in Light Attendant. Touch this word to enter the help menu for that particular screen. Use the back arrow at the top of each help menu to exit it.

When using the Light Attendant app, it is important to understand the use of Groups and Channels on the CL36RGB 3.0 as this is one option for connecting to and controlling the light. Instructions for setting the light's Group and Channel are found below.

Groups and Channels are used to identify lights so the app can control a number of them together or independently. This light has 3 Groups (A, B, and C) and 15 Channels numbered 1 through 15. To change the Group or Channel begin by pressing in the ADJ/FN (10) Dial and holding it for approximately 2 seconds, until the LCD Display (2) shows the word MENU in its top, left corner. The Group setting is identified as GR and is shown in the lower, left of the display. The Channel setting is identified as CH and is shown in the lower, right of the display. Press and release the ADJ/FN (10) Dial quickly and notice the triangle will change places between GR and CH. The triangle shows what you are able to change (Group or Channel) while a small padlock icon appears next to the other setting. Once you have chosen either GR or CH you can change its setting by simply pushing/sliding the ADJ/FN (10) Dial to the left or right. Once you have set your desired Group and Channel you can exit the MENU by either pressing and holding the ADJ/FN (10) Dial for approximately 2 seconds or you can press the ⏻/M Button (8).

• *Please note, you cannot change the light's brightness while in the MENU for Groups and Channels.*

MENU - Identifies Group & Channel Mode
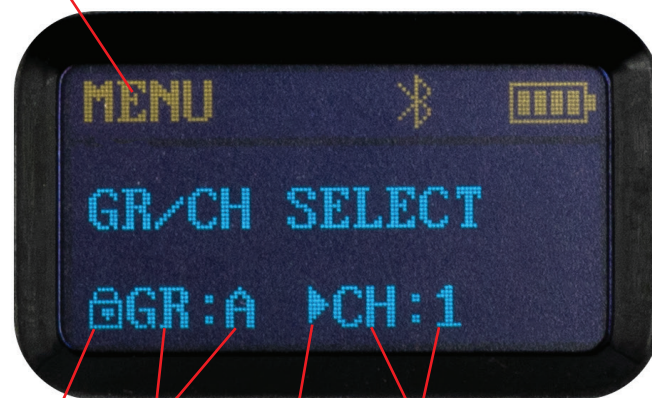
Padlock Symbol Group Setting Triangle Symbol Channel Setting

Tips for Operation:

1. It is OK to use the light while it is also charging. However, the brightness setting will not permit a setting above 70%. This ensures the internal charging system of the light can function properly.
2. Using the included Ultrasoft Diffuser will soften the light and reduce its brightness. It is especially helpful when the light is close to the subject.
3. Using the included Honeycomb Grid makes the light more directional and focused.
4. The Ultrasoft Diffuser and Honeycomb Grid cannot be used at the same time.
5. All Li-Po batteries lose some of their charge over time even when not in use. If the CL36RGB 3.0 has not been used for a few days or longer, top it off by connecting it to a charger for a while.
6. Be careful about how much weight you add to the CL36RGB's cold shoe or its second threaded port while the light is mounted to your camera. Remember the sum total of all this weight can put stress on your camera's shoe.

Safety Precautions:

1. The CL36RGB V3 is not water resistant. Keep it away from rain, snow, high humidity, moisture, and liquids. Do not allow it to get wet or submerge it.
2. Do not touch the light with wet hands.
3. Avoid contact with solvents, gasoline, grease, oil, paint, and detergents.
4. Disconnect from power when not in use.
5. Do not disassemble, open the housing, or attempt to repair the unit yourself.
6. Do not operate near flammable liquids.
7. Charge this device exclusively with the provided power cable.
8. Be sure the USB-A charger you choose does not exceed 5 V and/or 5 A.
9. Keep this unit out of reach from children at all times.
10. Do not leave the light turned ON and/or charging unattended.
11. Do not dispose of in fire.
12. Do not expose to excessive heat.
13. When the useable life of this light is complete, please recycle it responsibly considering it has an internal Li-Po (lithium polymer) battery. Do not dispose of in the trash.
14. It is OK to use the light while it is connected to a USB charger for continuous use. In fact, the internal battery will charge, slowly, under this condition while you are using the light. Please be sure to disconnect the light from the charger when you are finished working with it and when the internal battery is fully charged. For operating the light while charging an input of 3 A / 5 V is required. Do not use a charger that has an output below 3 A.

Specifications:

+ Photometrics (at 5,600K / 100% brightness):
  1,100 lux at 1.64' / 0.5 m | 300 lux at 3.28' / 1 m | 40 lux at 9.84' / 3m
+ Luminous Flux (lumens): 600 lm +/- 50 lm
+ Output Adjustment: 1 – 100%
+ Color Temperature: 2,500K – 8,500K +/- 200K
+ Color Accuracy: TLCI 98+ / CRI 96+
+ Beam Angle: 120°
+ Maximum Power Consumption: 10 W
+ Minimum Charging Input: DC 5 V / 2A
+ Maximum Charging Input: DC 5 V / 5 A
+ Battery: Internal Li-Po 3.7 V / 5,000 mAh / 18.5 Wh
+ Dimensions: 6 ¼" W x 3 ¼" H x ⅞" D | 15.9 cm x 8.3 cm x 2.3 cm
+ Weight: 7 ¼ oz / 206 g
  (dimensions & weight are for the panel only, not including any accessories)

One Year Unconditional Warranty

If for any reason, this ProMaster product fails within ONE YEAR of the date of purchase, return this product to your ProMaster dealer and it will be exchanged for you at no charge. ProMaster products are guaranteed for ONE FULL YEAR against defects in workmanship and materials. If, at any time after one year, your ProMaster product fails under normal use, we invite you to return it to ProMaster for evaluation.

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