



Blackbezt
Luxpando series
Studio LED Light Panel



Celebrate the Light!

The Turbo powered **CLAR P120DT / D / T Blackbezt Luxpando Series** are consummate additions to your lighting empire. The sensational wide spectral 97+ CRI/TLCI, 384 bulb LED, features the latest innovative LED technology, combined with bi-color (P120DT) or single Kelvin capabilities. Moreover, the revolutionary Turbo Mode jettisons the already impressive 17500 lux output into the stratosphere to produce an abundant 21500 lux 60 second flow of luminaire. Built for the fast moving action set and clad in a robust, toughened 6063-T5 aluminum alloy housing, the vented light stays delightfully cool despite its sparkling output. The advanced 35° LED's provides an amazing cool, flicker-free performance, powered by 1 V-Mount batteries or 100-240V AC for continuous power around the world. Superior DMX512 connectivity control expands the units into a team of light panels, digital communication networks, which are commonly used to control stage lighting and effects controlled by the master Console. Every media production set will benefit from this new super hero LED.

The optional wireless accessories make the Luxpando Series your ace in the hole for lighting media the best way.

This manual serves as a user guide for all three CLAR Blackbezt Luxpando models:

Model	CCT	CRI	TLCI	Color
P120D	5600K	≥97	≥97	Daylight
P120T	3000K	≥95	≥96	Tungsten
P120DT	3000-5600K	≥97	≥97	Daylight & Tungsten

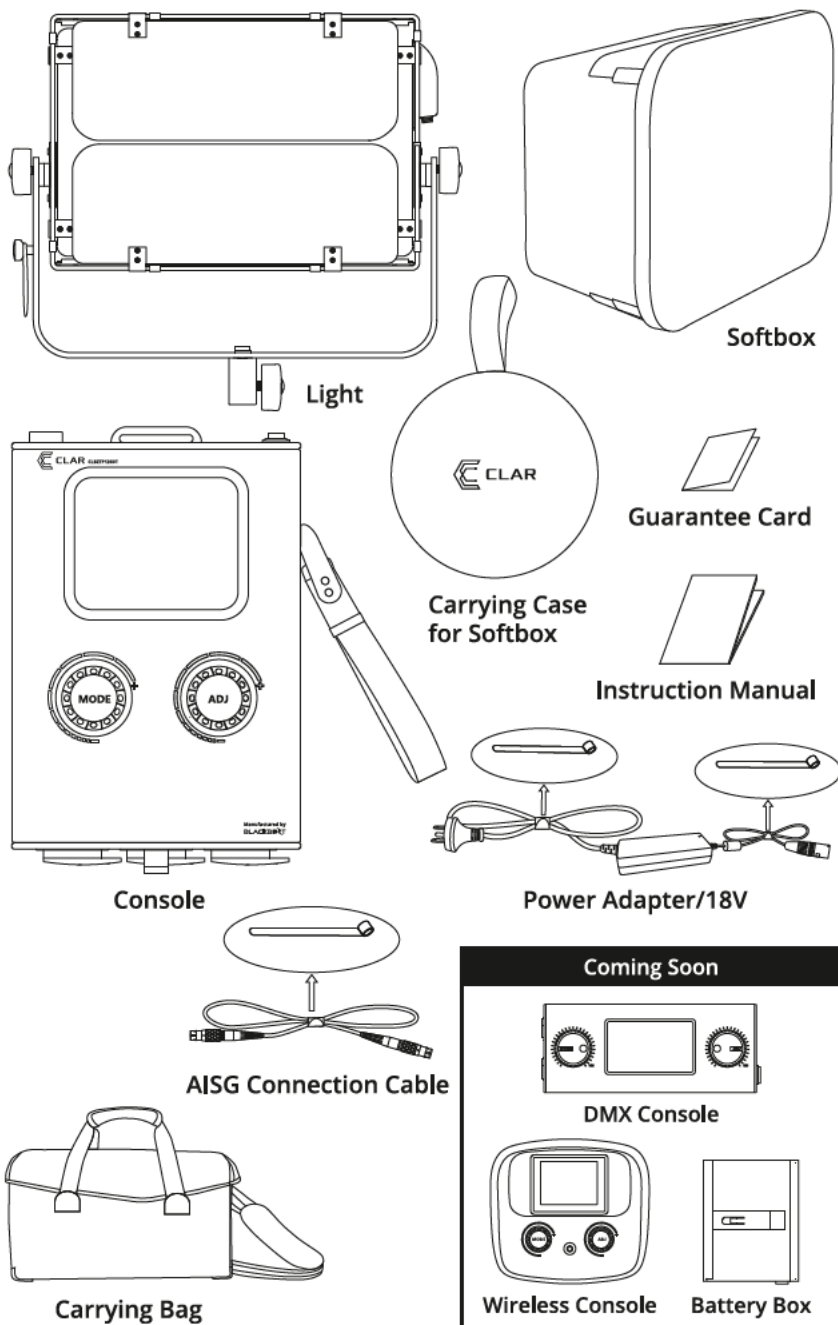
Features

- Phenomenal Spectral rating of greater than TLCI 97 / CRI 97
- Brilliant LUX: 17500 (1 meter)
- Dynamic Turbo Mode: An Extra 30% of Light! (LUX 21500)
- Precision Brightness and Color Adjustable from 3000~5600°K (P120DT)
- Efficient and direct Beam Angle of 35 degree
- Superior DMX512 connectivity expands into a team of light panels
- Optional wireless control of multi-light combination
- Easy to operate Console for all functions
- Powered by a single V-mount battery or worldwide AC adapter
- Integrated professional Barndoors and Diffusion Panel
- Toughened 6063-T5 aluminum alloy housing with thermal coating

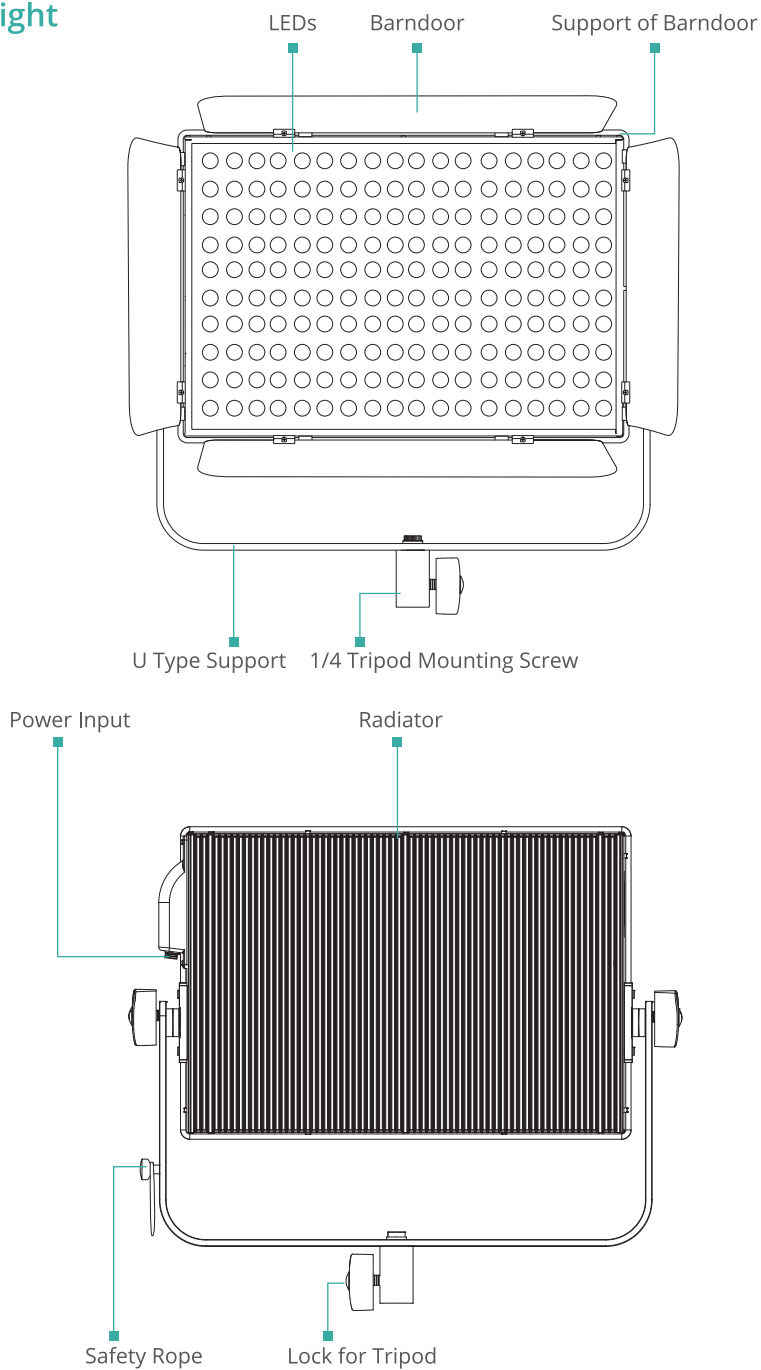
Safety Warnings

- The environment should be kept dry and ventilated when using the light. The unit should never be exposed to water and moisture. Take heed when operating outdoors in precipitation.
- Don't stick metal pointy things into the unit.
- Don't attempt to modify the unit yourself. If it becomes damaged please contact your vendor or take it to an authorized repair service. Do not disassemble this equipment. Touching the product's internals could result in injury. In the event of malfunction, the product should be repaired only by a qualified technician.
- Make sure you only use accessories of the proper voltage.
- Don't let children play with the unit. Keep the light out of reach from children.
- Serious damage may occur by using near people or animals' eyes. That can cause. Please do not directly look at the illuminated light.
- Should smoke come from the unit, disconnect the power immediately and place it in a safe location. It is normal for the fixture to become warm when working.
- Don't use the light near flammable liquids or vapors, like gasoline.
- If you are packing the light, please triple check that it is turned off.
- After using the light for extended periods, allow it to cool before storing, to avoid damage to the electronic components.
- Don't use the light to support any other equipment or lift your imaging device by the unit.
- Please use the soft dry cloth to clean the light. If necessary, carefully wash with a cloth dampened with neutral detergents, and then dry with a soft cloth.
- Use prudence and attach firmly to a support with the stand adapter.

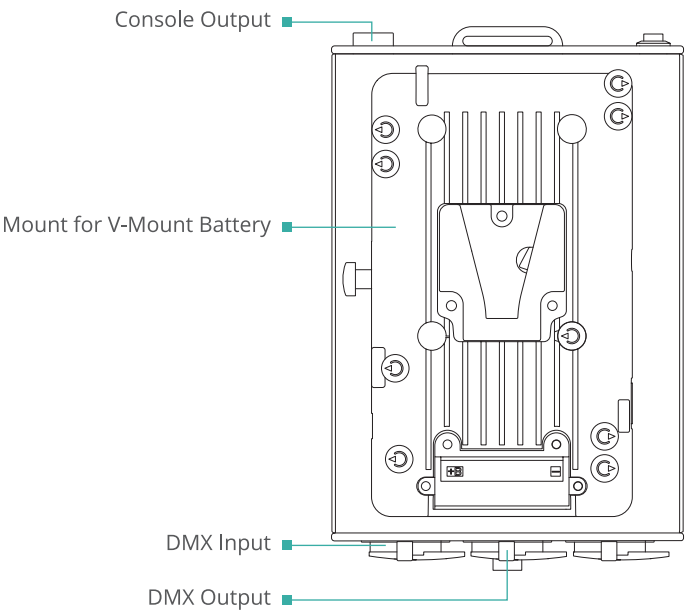
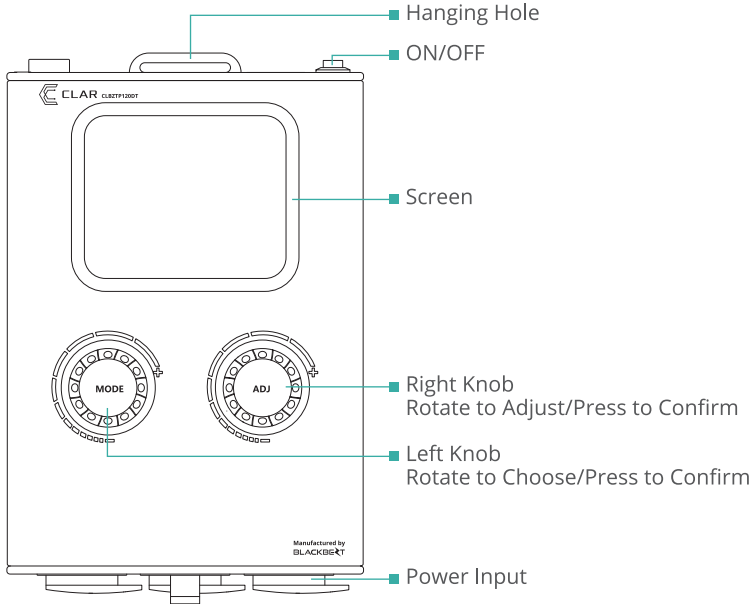
Product Packaging Includes the Following Items



Light



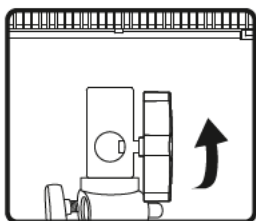
Console



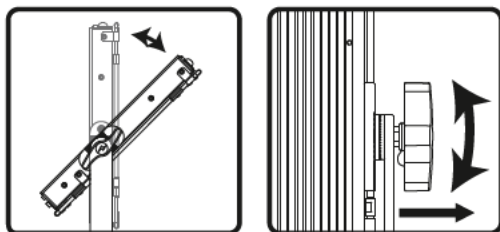
Installation

1. Set up the light

A. Mount the light on a stand and rotate the locking knob clockwise until tight.



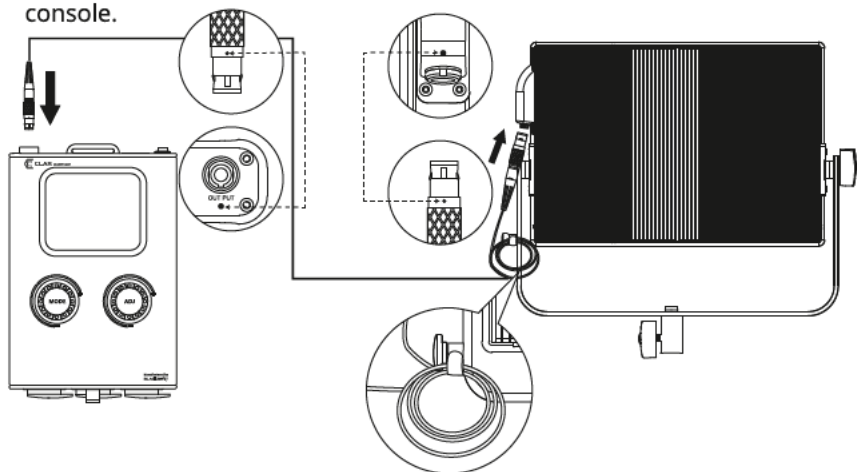
B. Rotate the tilt knob counterclockwise to loosen and adjust the angle of the light.



Rotate the knob clockwise to lock and hold the position.

2. Connect the light and the console

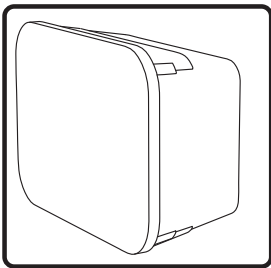
Align the red dot on the AISG cable with the red dot on the power input of light and output of console, then connect the AISG cable to the light and console.



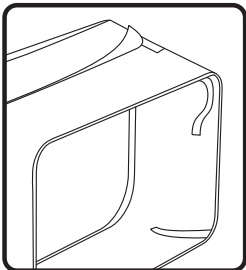
*You can use the Velcro to neatly consolidate the AISG cord's position.

3. Installation of the Softbox

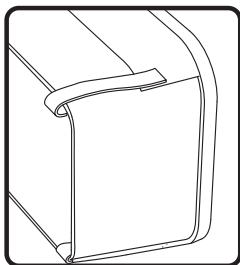
A. Unfold the softbox.



B. Pull apart the softbox's Velcro straps. Place the barn doors of the LED light in the space that is between the top cover and the side cover of the softbox. When the barn doors is level with the top cover, you can attach the Velcro to fix the position.



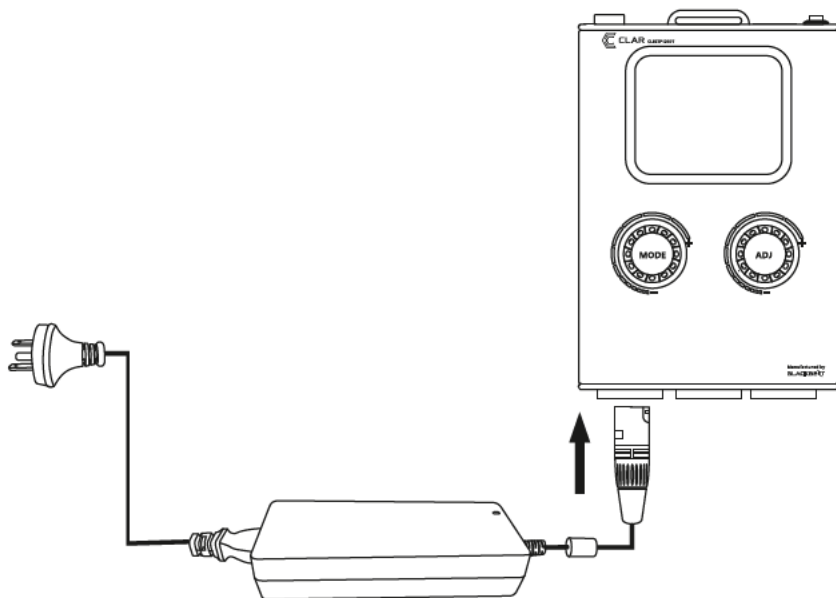
C. After completing that step, take the long Velcro strap and go through the edge of the light frame. Then, take the long Velcro, weave it back to front and connect with the side cover's Velcro to fix the position.



4. Power supply

A. Power adapter

Align the red dot on the power cord with the red dot on the power input of console and connect the power cord with the console. Find a AC socket to enjoy continuous power wherever you are.



Operation

All of the functions are controlled via the external Console. A descriptive and simple menu serves to visualize the exact values that you choose for Color Temperature, Brightness and the unique Turbo Mode.

1. The Console

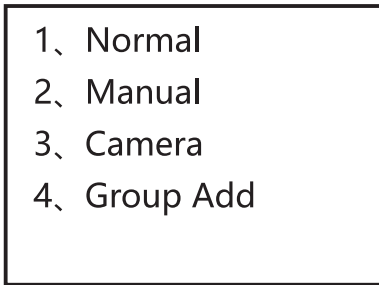
The Main Menu displays **NORMAL**, **MANUAL**, **CAMERA**, and **GROUP ADD**.

Rotate the left knob to highlight select which mode you want to enter.

Press the left or right knob to enter the mode which you have chosen.

Press both knobs as confirmation function in this system.

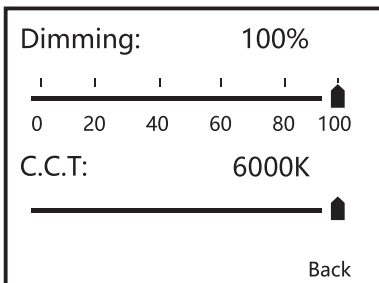
(The Main Menu does not display the "Group Add" choice, as it is a hidden feature. Press the left and right knob together for 4 seconds and release, the Group Add option will be displayed on the main menu.)



Normal Mode:

Simple and direct control of the Dimming and Color ranges.

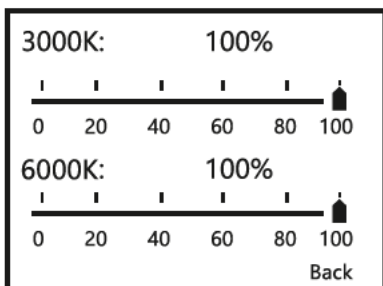
1. Rotate left knob to select which values you want to modify.
2. Rotate right knob modify "Dimming" from 0 to 100% and modify "C.C.T" (Color Temperature) from 3000°K to 6000°K (Only on P120DT).



Manual Mode:

Individual control for each color bulb intensity setting.

1. Rotate left knob to select which color temperature you want to modify.
2. Rotate right knob to modify daylight or tungsten color temperature from 0-100%. (Only on P120DT).

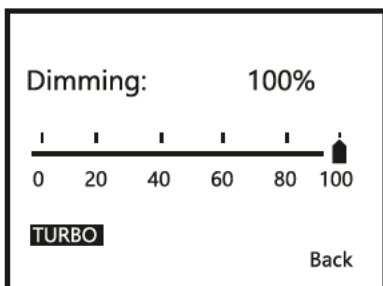


Camera Mode:

Controls the brightness of the overall panel.

Enables the Turbo feature to add 30% more illumination.

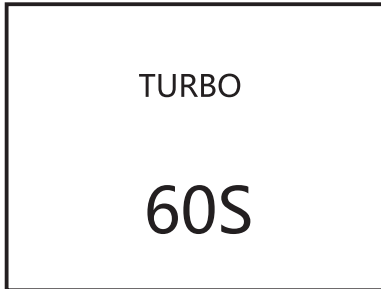
1. Rotate left knob to select "Dimming" or "Back" option
2. Rotate right knob to modify "Dimming" from 0 to 100%.
3. Press left or right knob on the "Turbo" option to start "Turbo" mode



Turbo Mode:

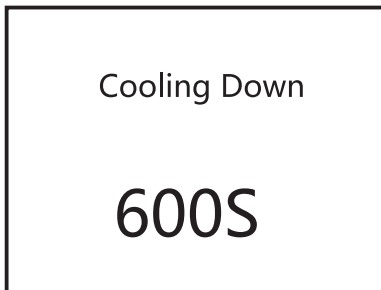
Turbo mode adds 30% more illumination up the light panel.

The Turbo function can be used for a limit of one minute to protect the light. The console screen will count down from 60s to 0, as you start the Turbo mode. You can stop the Turbo function anytime if you press the left or right knob.



Cooling Down:

When you press any knob to stop the Turbo function, the interface will change to the "Cooling Down" automatically. For every second that the Turbo mode is evoked, the system needs take 10 times as long to cool down. If the Turbo mode was used for 10 seconds, the "Cooling Down" interface will count down 100 seconds to 0. Press any knob on the "Cooling Down" interface menu to will go back to the main menu.



2. DMX Function

- 1、 Normal
- 2、 Manual
- 3、 Camera
- 4、 Group Add**

Group Add:

Group Add option is a way to secure the light as a member of a group of panels with unique addresses and passwords through DMX connection. The Main Menu does not display the "Group Add" choice, as it is a hidden feature. Press the left and right knob together for 4 seconds and release, the Group Add option will be displayed on the main menu.

Please enter your password:

0 0 0 0

Confirm

Back



Create a Password for DMX

1. Passwords consist of 4 digits (Default password: 0000)
2. The Left knob chooses the digit that you want to modify.
3. The Right knob modifies the digit which you have chosen from 0 to 9.
4. After entering the passwords, press "Confirm" to go to the next step.



Please enter your password: is ok!

0 0 0 0

Confirm

Back

Press "Enter" to enter the DMX address selection without changing the password.



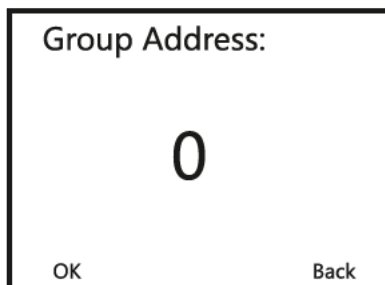
Please modify your password or enter:

Modify **Enter**

Exit



Designate a Group address from 0 to 15. Choose the DMX address and press "OK" to save, and1 press "Back" to return to main menu.



Group Address:

0

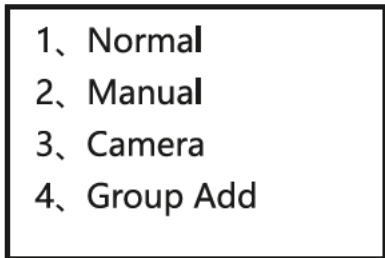
OK Back

If you input the wrong passwords and press "Confirm", "is error" will be displayed on the screen and the system will return to main menu automatically.

2. Modify Passwords

Group Add

To reveal the hidden Group Add option, press the left and right knob together for 4 seconds and release. The Group Add option is now displayed on the main menu. While using other brands of DMX consoles to control CLAR Blackbezt Luxpando LED lights, you only can choose "0" as the DMX address to control the P120 Series LED lights.

- 
- 1、 Normal
 - 2、 Manual
 - 3、 Camera
 - 4、 Group Add

Password:

1. Passwords consist of 4 digits (Default password: 0000).
2. Left knob chooses the digit that you want to modify.
3. Right knob modifies the digit that you chose from 0 to 9.
4. After inputting the password, press "Confirm" to get to the next step.



Please enter your password:

0 0 0 0

Confirm

Back



Press "Modify" to change the passwords

Please modify your password or enter:

Modify

Enter

Exit

1. Input the new password, and then press "OK" to save the new password.
After you save the password, the new digits will flash 3 times on the screen.
2. Press "Back" to return to previous menu.

Please modify your password or Back:

0 0 0 0

OKBack



Press "Enter" to enter DMX address selection

Please modify your password or enter:

Modify

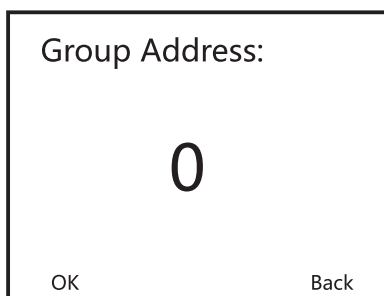
Enter

Exit



DMX addresses are digits from 0 to 15.

Choose the DMX address and press "OK" to save it, and press "Back" to return to main menu.



Group Address:

0

OK Back

Frequently Question Asked (FAQ)

1. The light does not turn on.

If you use the AC power supply system, please check that the adapter is connected properly to the light and make sure the power is on. If you use DC battery power supply system, please make sure that the battery cell is charged and has enough power to turn the light on. Make sure the contacts of battery or battery box are clean and has no oxide corrosion layer.

2. The lights dim or flicker.

Make sure the power supply connections are tight. Make sure that the voltage meets the requirements of the product. Make sure that battery has enough charge to power the light.

Specifications

Model	P120D P120T P120DT
Input Voltage	100-240V 50/60Hz
DC Output	18V
Power	
Normal	90W±5
Turbo	120W±5
Beam Angle	35°±3
Cooling Method	Passive Heat Dissipation
Material	6063-TS Aluminum
Ambient Temperature	-4 to+173° F / -20 to +45° C
Lamp Life (25°C/77°F)	80,000 hours
Battery	V Mount
Size	
LED Light	12.99 × 8.85 × 0.86 in / 330 × 225 × 22 mm
Console Controller	6.1 × 4.3 × 2.0 in / 155 × 110 × 53 mm

Note: Technical data is subject to change without notice.

Measurement performed with the Sekonic C-7000 Spectromaster and UPRtek CV600 Spectrometer.

Power tolerance ±10% Energy Star guidelines.

Luminous flux output tolerance is 80-120%.

Beam Angle Tolerance is ± 1° (angle below 35°) or ±10% (angle above 35°)

One Year CLAR Limited Warranty

CLAR warrants to the original purchaser that your CLAR Blackbezt Luxpando Series product shall be free from defects in material and workmanship for the period of one (1) year from the date of purchase (or delivery as may be required in certain jurisdictions), or thirty (30) days after replacement, whichever comes later.

CLAR's entire liability and your exclusive remedy for any breach of warranty shall be, at CLAR's option, to repair or replace the hardware, provided that the hardware is returned to the point of purchase or such other place as CLAR may direct with a copy of the sales receipt or dated itemized receipt. CLAR may, at its option, replace your product, offer to provide a functionally equivalent product, or repair any product with new, refurbished or used parts as long as such parts are in compliance with the product's technical specifications. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer, or for any additional period of time that may be applicable in your jurisdiction. 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 problems or damage resulting from accident, abuse, misapplication, or any unauthorized repair, modification or disassembly, improper operation or maintenance, normal wear and tear, or usage not in accordance with product instructions or connection to improper voltage supply, use of consumables, such as replacement batteries, not supplied by CLAR, except where such restriction is prohibited by applicable law.

Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser and the country in which the product was purchased. This warranty gives you specific legal rights, and you may also have other rights, including a longer warranty duration that may vary under local laws.

To start a warranty claim contact the CLAR Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to CLAR, along with the RMA number and proof of purchase.

Question about our product line? Need Product Support?

We are proud of our products and celebrate our customers. We are with you, from product selection to everyday use. Be secure with your purchase and reach us as you need.

Email us: brands@adorama.com **Call:** 212-647-9300

Address: Adorama Brands, 42 West 18th Street, New York, NY 10011

You can always contact us at BRANDS@ADORAMA.COM for personal technical support. Our web site contains a wide range of Support and FAQ pages with valuable technical assistance.

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Luxpando Series

Adorama Inc., New York, NY
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