



PROLYCHT™

ORION 300

User Manual

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Preface

Thank you for choosing Prolycht's Orion 300 color spot light. Orion 300 is by far the most versatile spot light. It combines new semiconductor technology, innovative six-channel color mixing technology and latest camera research achievements. It is powerful, portable and reliable, made to be a brand-new weapon you can use for various film and video production applications.

Safety instructions

The light fixture is used for professional lighting. The lighting system and accessories must be used by professional or trained personnel. All operations must follow the relevant safety instructions:

- 1, All instructions must be read and understood before use, including the transport, installation and operation of the equipment.
- 2, The weight of the lamp head and light accessories must be taken into account when handling and lifting;
- 3, Check all cable connections before using. Make sure all cables are appropriately labeled to prevent tripping;
- 4, The lamp head may reach high temperature when operating. To prevent from burns, staff must operate carefully when touching the lamp body. It is recommended to wear appropriate protective devices;
- 5, Be alert to fire and burn hazards and do not place flammable materials and objects in front of the lamp
- 6, Make full inspection lamp head electrical connection, safety isolation and insulation protection before using.
- 7, Do not block and cover the light head vents with objects to prevent overheating;
- 8, Do not operate the lamp head when the light shield is closed, which may cause overheating;
- 9, Before each usage, make visual inspection. Ensure regular electrical inspection at least every 6 months. Record and form an archive;
- 10, Operating in explosive environment is prohibited
- 11, Do not use the equipment in a humid or dusty environment, which may cause short circuits and the risk of electric shock;
- 12, Do not operate the damaged equipment until a professional maintenance personnel checked;
- 13, The lamp head and accessories must be safely connected to prevent falling;
- 14, Before cleaning maintenance or repair, the product must be shut down and the power cable must be removed from the power outlet. Do not operate when the product is charged.
- 15, Do not immerse the lamp head in water or other liquids to prevent damage to equipment and risk of electric shock;
- 16, When repairing is required, do not remove the lamp head on your own. The product must be handed over to a designated qualified maintenance personnel. Incorrect removal may damage the equipment or even cause electric shock when re-using.
- 17, Do not place cables, plugs and contact parts in water to prevent the risk of electric shock;

18, Radiation and glare from the head of the lamp can cause damage to people and animals (e.g. sunburn, impaired vision). Within the minimum distance (2.5m) specified in the equipment and operating instructions, exposure to the beam for more than 8 hours per day will cause injury;

19, Do not use non-recommended batteries, cables and other accessories, which may damage the equipment, or even cause fire and electric shock;

20, When maintenance is required, must contact the designated authorized maintenance personnel. Any malfunction caused by unauthorized self-removal is not within the scope of the repair;

21, The lamp heads and all components that do not have the necessary protection must be protected by other appropriate protective measures, make sure they are placed in weatherproof positions, under protective roofs, and ensured that air flow around the headlights was unrestricted;

22, Check and make sure that the weight of the lamp head, accessories and cables is lower than the maximum safety load of the bracket;

23, When the lamp head is fixed on the bracket, the screws must be tightened and make sure the bracket itself is balanced to prevent falls which may damage the equipment and threaten personal safety;

24, This product is certified by RoHS and CE. Please strictly refer to the relevant national standards for operation and use. Incorrect use causes damage to the equipment and is not covered by the product warranty;



CE Compliance Statement

Thunder products comply with the following EU-specified specifications:

1, Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility

2, Safety requirement of the European Union LVD 2014/35/EU directive and its latest amended version

3, Directive 2011/65/EU of the European Parliament and the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

EU uniform standards implemented:

EN 55015:2013+A1:2015

EN 61547:2009

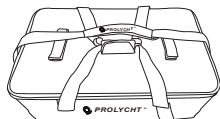
EN 61000-3-2:2014

EN 61000-3-3:2013

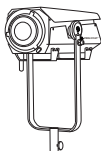
EN 60598-2-17:2018

EN 60598-1:2015

1.Packing list



Carrying bag



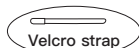
Lamp head



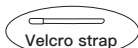
Control box



Standard reflector



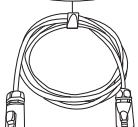
Velcro strap



Velcro strap



AC Power cable



Connecting cable



Quick Release Clamp



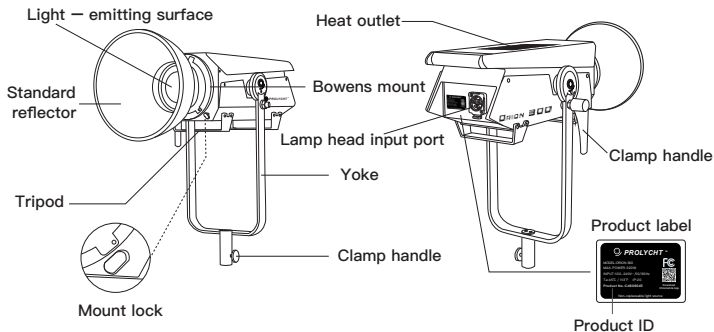
User manual



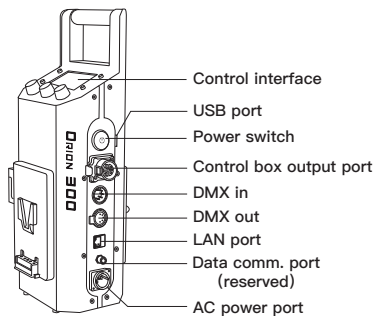
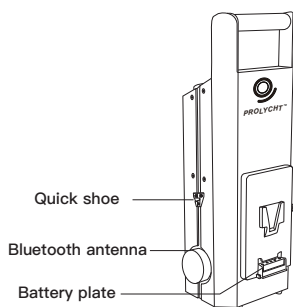
Warranty card

2.Product details

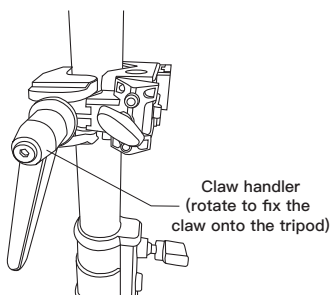
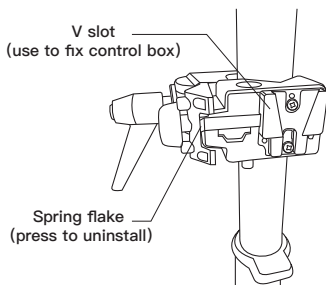
Lamp head



Controller box

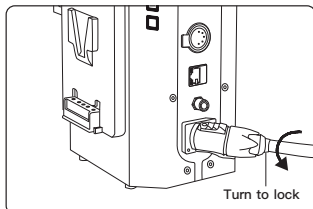


Quick Release Clamp

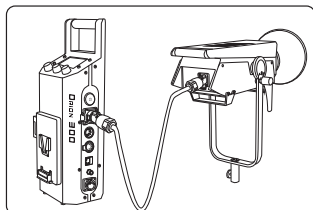


3.Installation

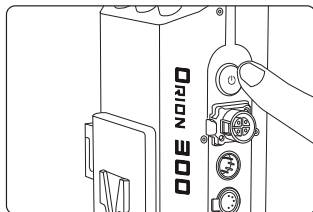
a) Turn on the power



- ① Use the power cable to connect the controller box and AC 100V~240V

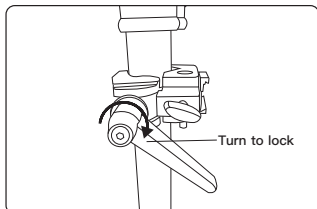


- ② Use the connecting cable to connect lamp head and the controller box

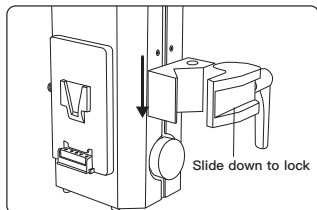


- ③ Press the power button on the controller box

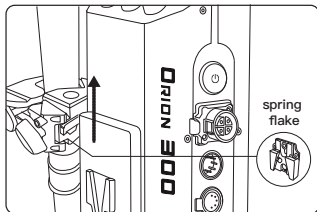
b) Clip the control box



- ① Install the quick release clamp on the control box

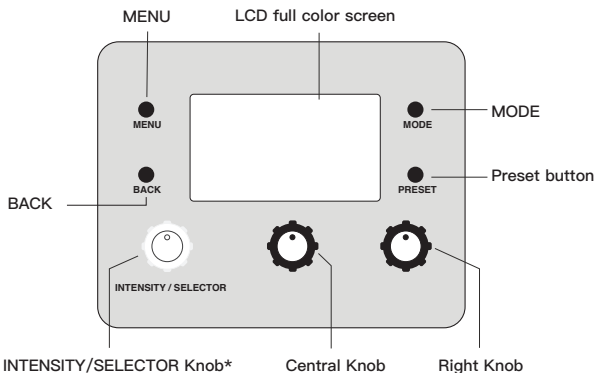


- ② Insert the control box from top to bottom into the fast-loading Clamp's card piece.



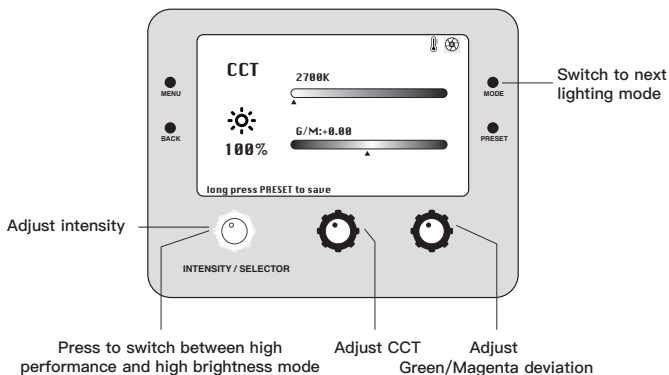
- ③ When disassembling, press the spring flake and remove the control box up.

4.Operations

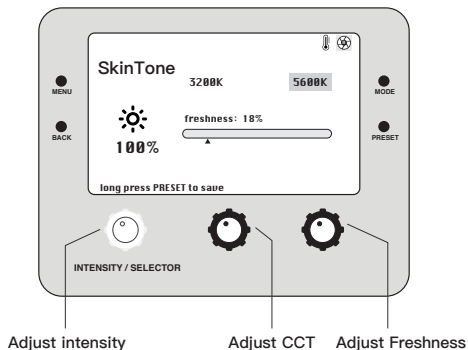


**This is a multi-function knob, which can be turned or pressed.*

a) CCT Mode

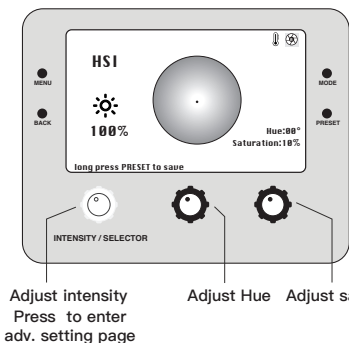


b) Skin Tone Mode

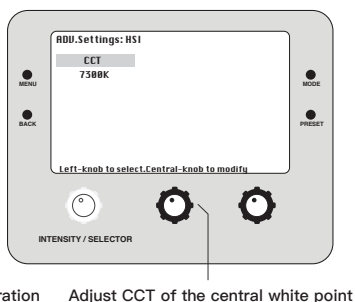


c) HSI Mode

Main page

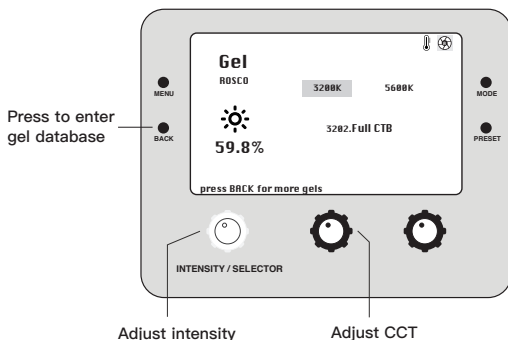


Advanced setting page

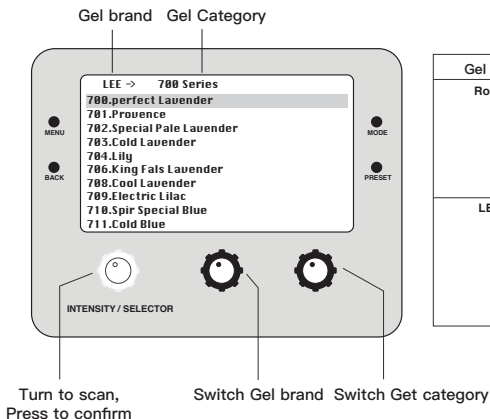


d) Gel Mode

Main page



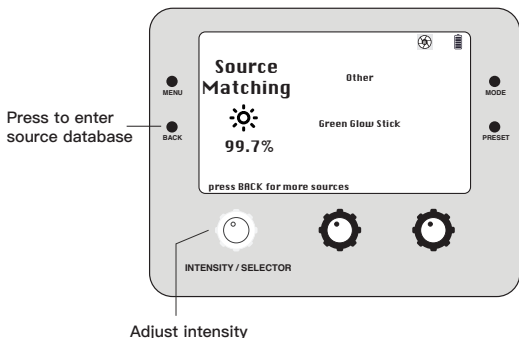
Gel database page



Gel brand	Gel Category
Rosco	Color Correction
	CalColor
	Storaro Selection
	Cinelux
LEE	Color Correction
	600 Series
	700 Series
	Cosmetic
	Color Filters

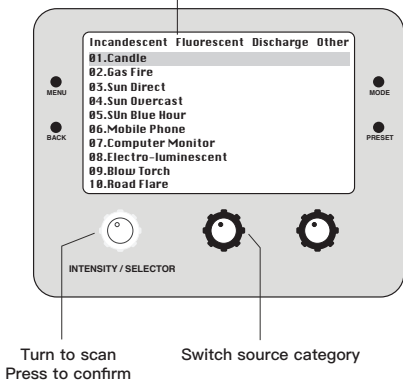
e) Source Matching Mode

Main page



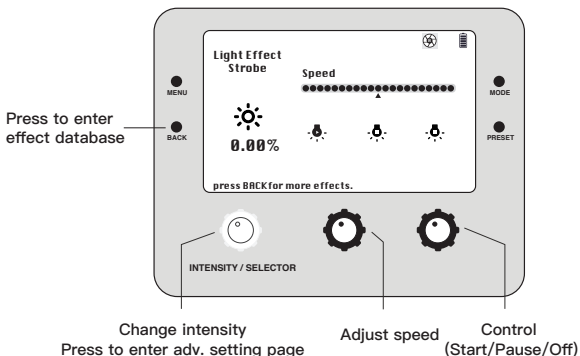
Source database

Source category

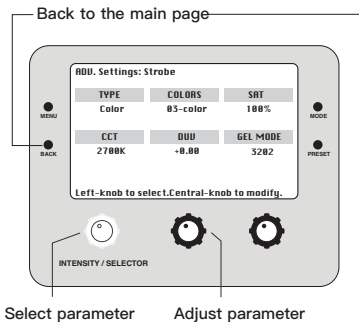


f) Light Effect Mode

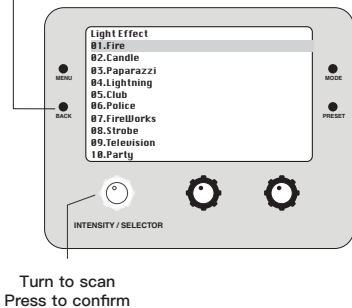
Main page



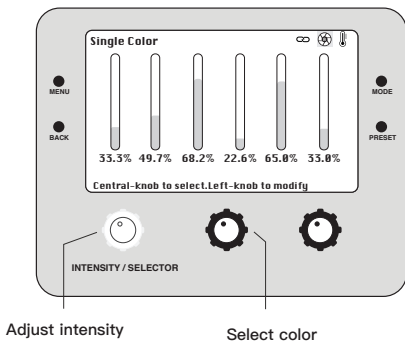
Advanced setting page



Source database page

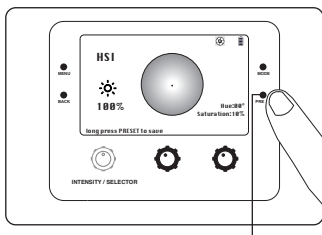


g) RGBWA Mode

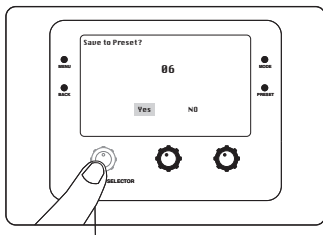


h) Save, Retrieve And Delete Data

(i) Save

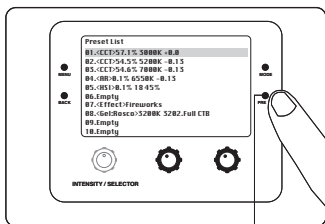


① Long press the PRESET button on any lighting mode

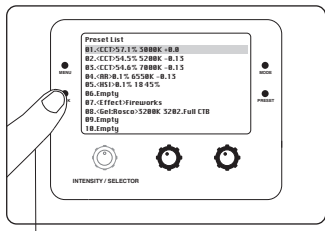


② Press to confirm

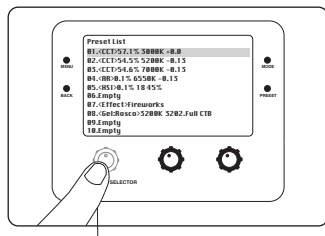
(ii) Retrieve



- ① Press the Preset button to enter the PRESET page

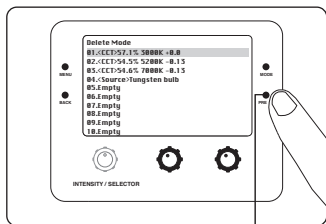


- ② Turn to scan, press to confirm

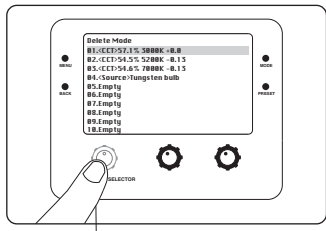


- ③ Press the BACK button

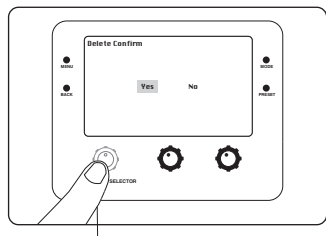
(iii) Delete



- ① On the preset list page, long press the PRESET button until the entry turns red



- ② Turn to scan, press to confirm



- ③ Press to confirm deletion

4.Control multiple fixtures

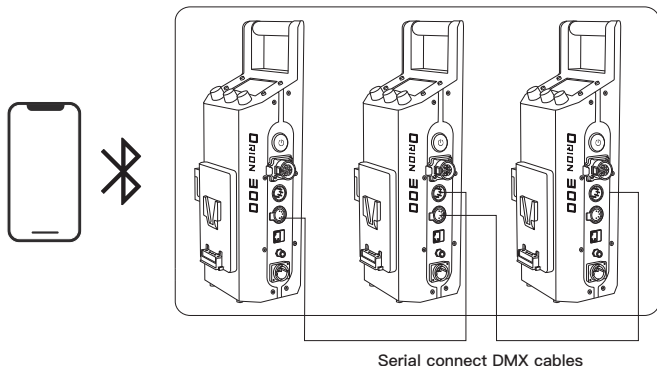
a) Use ChromaLink app to control multiple devices

Steps: ① Download and open ChromaLink app



② Turn on Bluetooth on the phone

③ Use Bluetooth within the app to connect devices within any DMX network.



*Tips #1: Set DMX protocol mode, DMX address, and DMX lost behavior on **Main Menu/Network Settings**/DMX Settings*

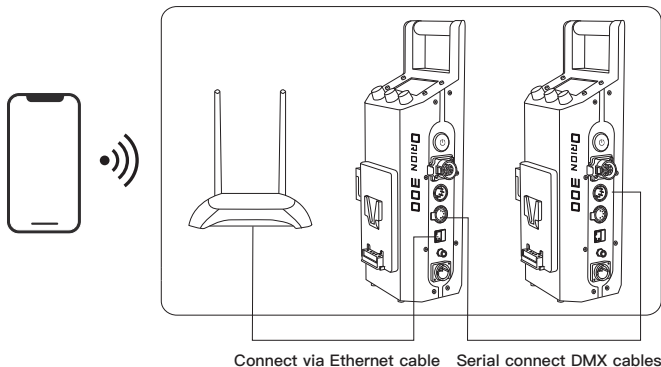
Tips #2: ChromaLink connects via Bluetooth. It uniformly controls multiple devices, but group/separate control is not supported

b) Use ChromaLink Pro app to control multiple devices

Steps: ① Download and open ChromaLink Pro app



- ② Connect the first device in the DMX network to the wifi router using an Ethernet cable
- ③ Turn on your phone's wifi and connect your phone to the same wifi network
- ④ Open the ChromaLink Pro app and click scan button and start group control.



*Tips #1: Set DMX protocol mode, DMX address, and DMX lost behavior on **Main Menu/Network Settings/DMX Settings***

Tips #2: ChromaLink connects via Bluetooth. It uniformly controls multiple devices, but group/separate control is not supported

Key Specs

Optical Interface	Bowens
Light Aperture	50mm/1.97"
Power consumption	300W ~ 320W
Battery configuration	Two V-mount 14.8V batteries
Weight	Light head 3.7 kg/ 8 lbs Power box 3.2 kg/ 7 lbs
White Light	2,000 K to 20,000 K with Green-Magenta adjustment
Color modes	CCT, Skin-tone, HSI, individual color, Gel, source matching, Dynamical effects
Color rendition	3200 ~ 6500K: CRI : 96 Average TLCI : 96 Average TM-30 Rf 94 Average
illuminance	1m 30,000lx (Standard reflector)
Dimming	0 ~ 100% smooth, with selectable dimming curves

FCC 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.