



PROLYCHT™

Orion 300 *FS*
User Manual

© 2021 PROLYCHT Lighting Co., Ltd. All rights reserved.

Preface

Thank you for choosing Prolycht's Orion 300 FS color spot light. Orion 300 FS 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. In case the wire is damaged, it must be replaced with the same kind of wire;
5. In case the light source is damaged, it can only be replaced by Prolycht's certified service agent or Prolycht's licensed full-time personnel;
6. 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;
7. Be alert to fire and burn hazards and do not place flammable materials and objects in front of the lamp;
8. Make full inspection lamp head electrical connection, safety isolation and insulation protection before using;
9. Do not block and cover the light head vents with objects to prevent overheating;
10. Do not operate the lamp head when the light shield is closed, which may cause overheating;
11. Before each usage, make visual inspection. Ensure regular electrical inspection at least every 6 months. Record and form an archive;
12. Operating in explosive environment is prohibited;
13. Do not use the equipment in a humid or dusty environment, which may cause short circuits and the risk of electric shock;
14. Do not operate the damaged equipment until a professional maintenance personnel checked;
15. The lamp head and accessories must be safely connected to prevent falling;
16. 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;
17. Do not immerse the lamp head in water or other liquids to prevent damage to equipment and risk of electric shock;
18. 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;

19. Do not place cables, plugs and contact parts in water to prevent the risk of electric shock;
20. 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;
21. Do not use non-recommended batteries, cables and other accessories, which may damage the equipment, or even cause fire and electric shock;
22. 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;
23. 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;
24. Check and make sure that the weight of the lamp head, accessories and cables is lower than the maximum safety load of the bracket;
25. 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;
26. This product is certified by RoHS, CE and FCC. 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

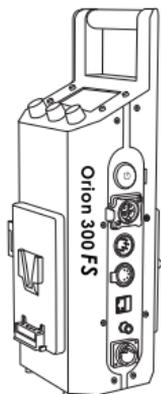
The Orion products comply with the following EU-specified specifications:

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.

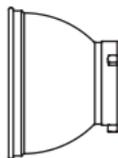
EU uniform standards implemented:

- 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

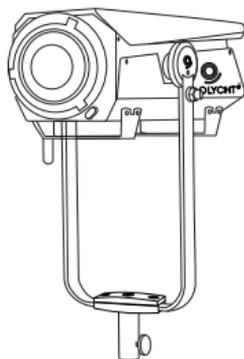
1.Packing List



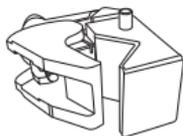
Control Box



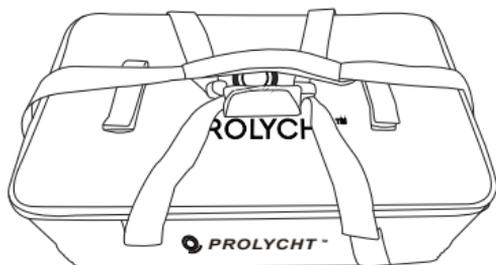
Standard Reflector



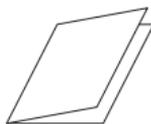
Lamp Head



Quick Release Clamp



Carrying Bag



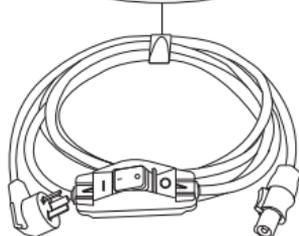
User Manual



Warranty Card



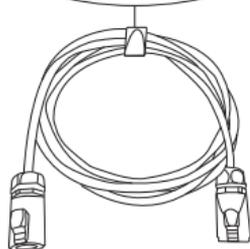
Velcro Strap



AC Power Cable

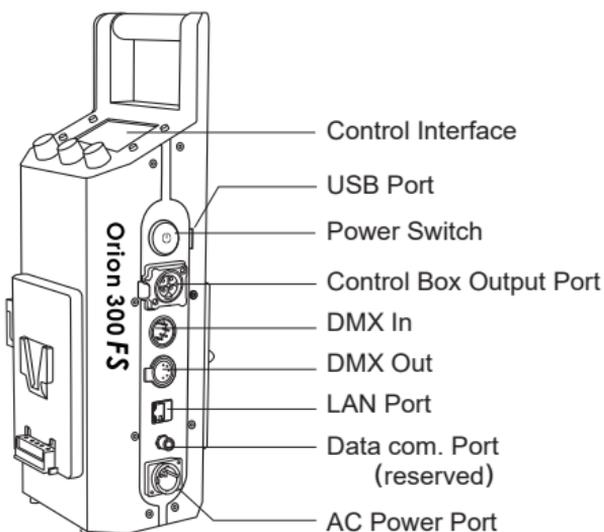
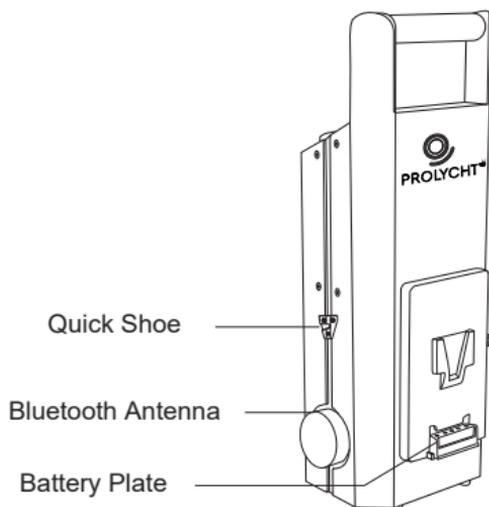


Velcro Strap

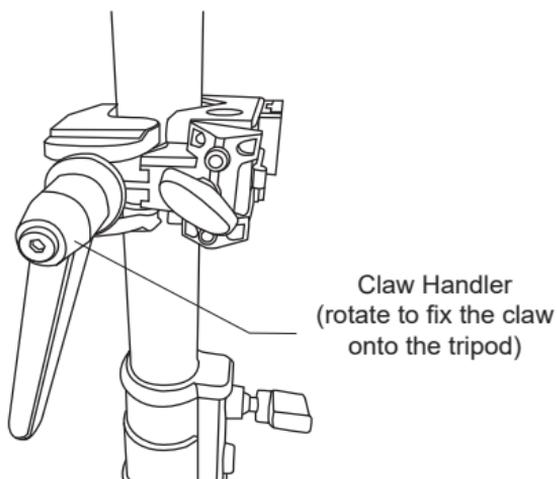
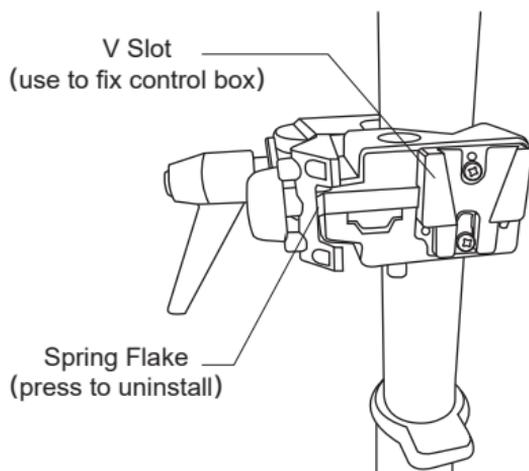


Connecting Cable

Controller Box

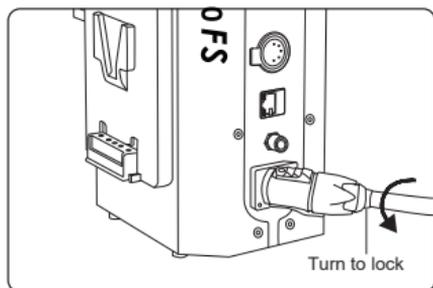


Quick Release Clamp

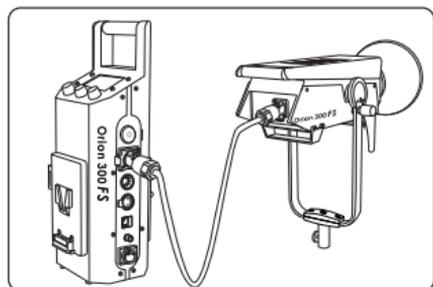


3.Installation

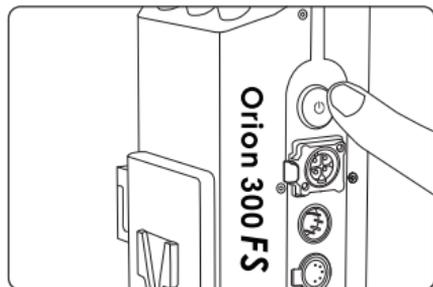
a) Turn On the Power



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

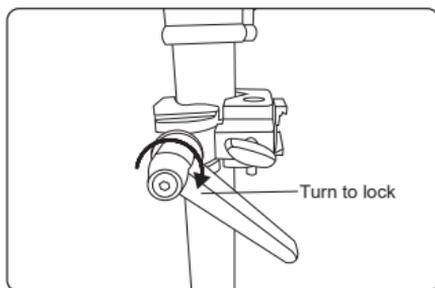


- ② Use the connecting cable to connect lamp head and the controller box

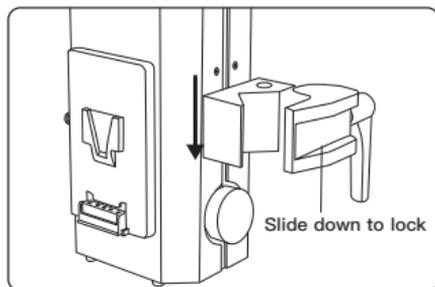


- ③ Press the power button on the controller box

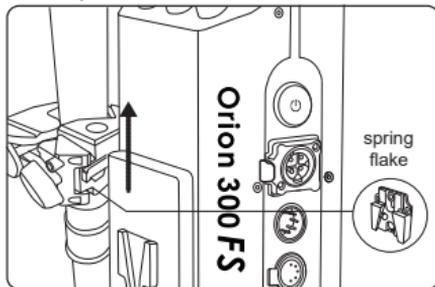
b) Clip the Control Box



- ① Install the quick release clamp on the control box

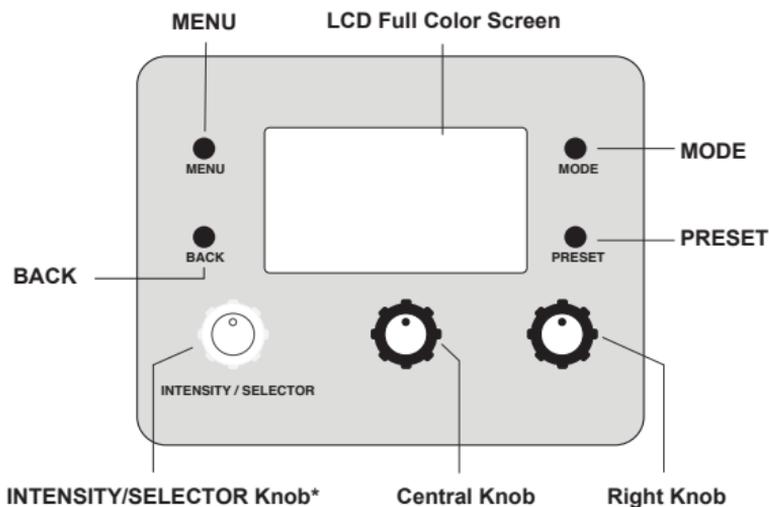


- ② Insert the control box from top to bottom into the fast-loading Clamp's card piece.



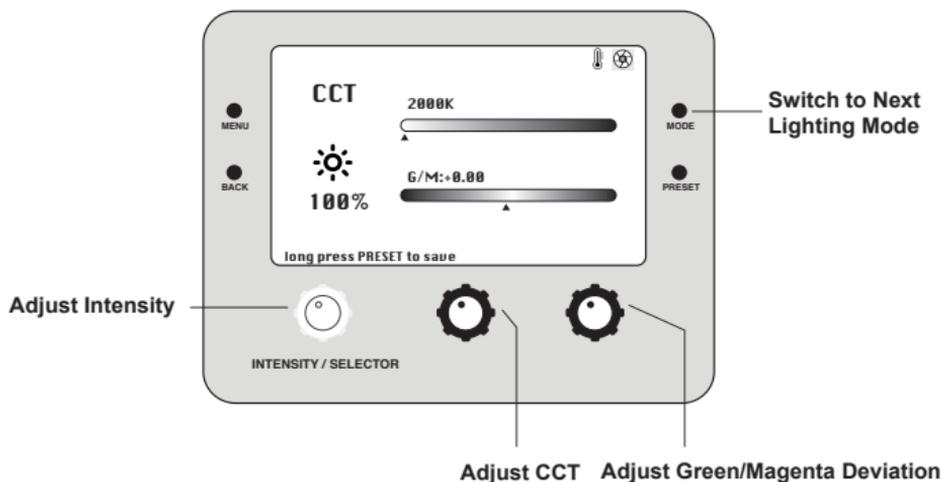
- ③ When disassembling, press the spring flake and remove the control box up.

4. Operations

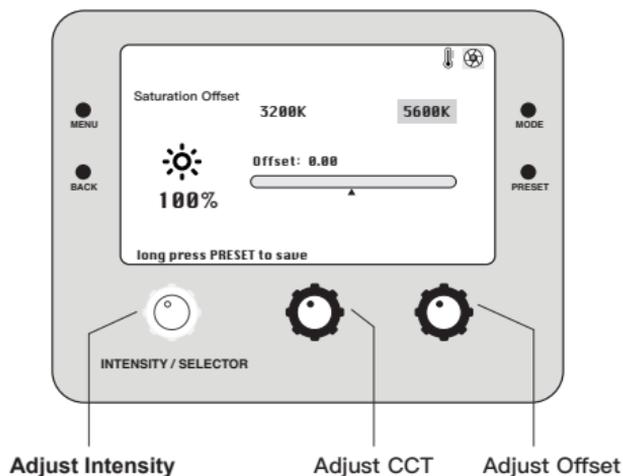


**This is a multi-function knob, which can be turned or pressed*

a) CCT Mode

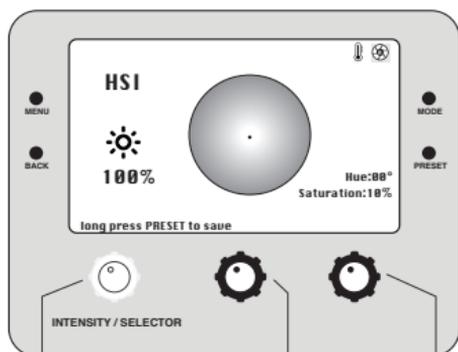


b) Saturation Offset



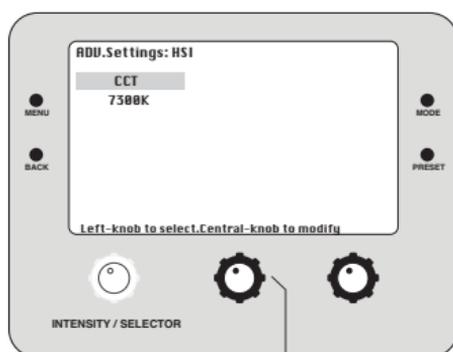
c) HSI Mode

Main page



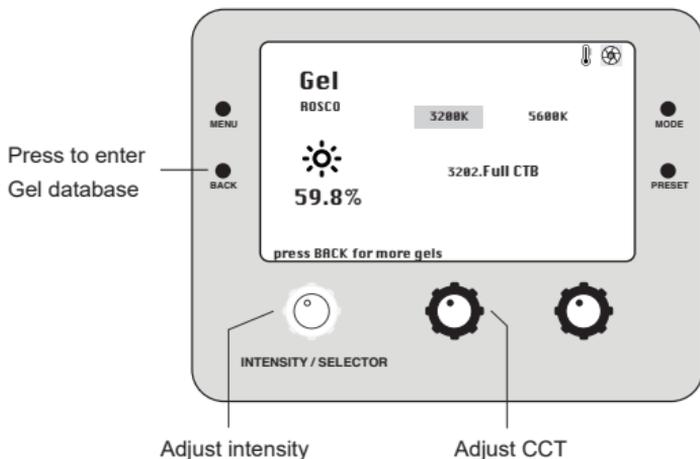
Adjust intensity
Press to enter
adv. setting page

Advanced setting page



d) Gel Mode

Main page



Gel database page

Gel Brand Gel Category

MENU

BACK

MODE

PRESET

LEE -> 700 Series

700.perfect Lavender

701.Provence

702.Special Pale Lavender

703.Cold Lavender

704.Lily

706.King Fals Lavender

708.Cool Lavender

709.Electric Lilac

710.Spir Special Blue

711.Cold Blue

INTENSITY / SELECTOR

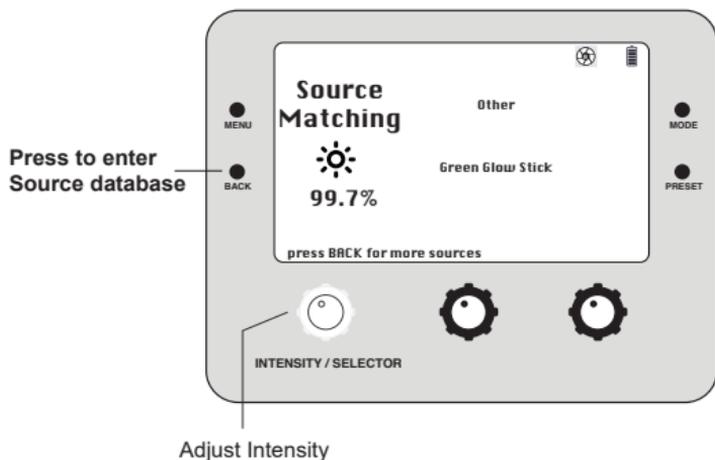
Turn to scan, Press to confirm

Switch Gel brand Switch Get category

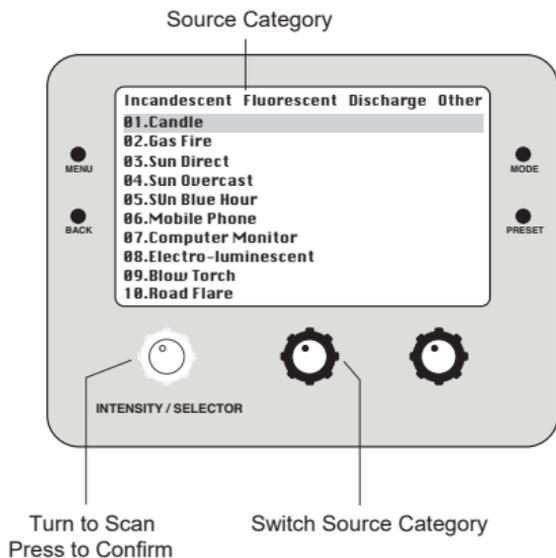
Gel brand	Gel Category
Rosco	Color Correction
	CalColor
	Storaro Selection
	Cinelux
LEE	Color Correction
	600 Series
	700 Series
	Cosmetic
	Color Filters

e) Source Matching Mode

Main page

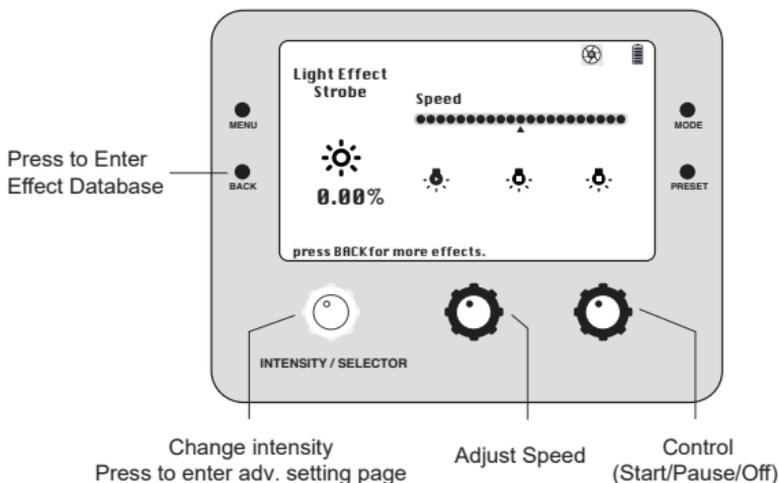


Source Database



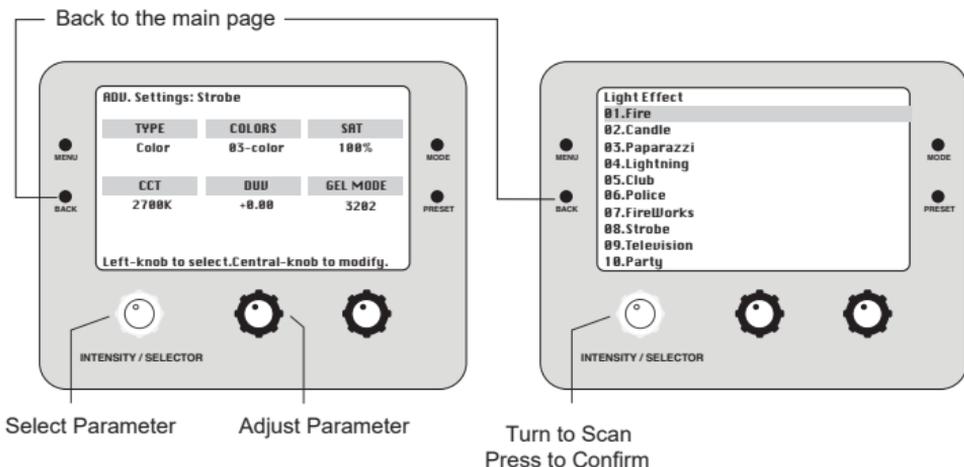
f) Light Effect Mode

Main page

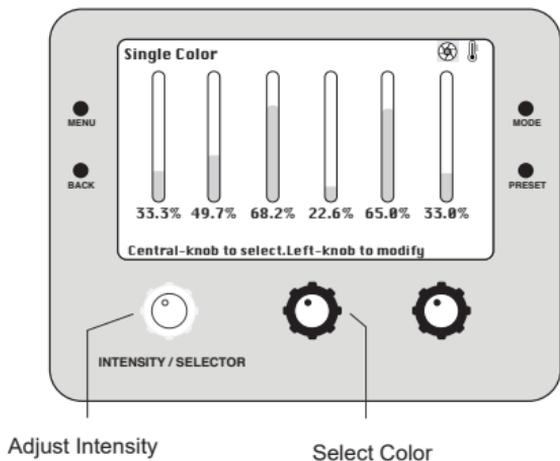


Advanced Setting Page

Source Database Page

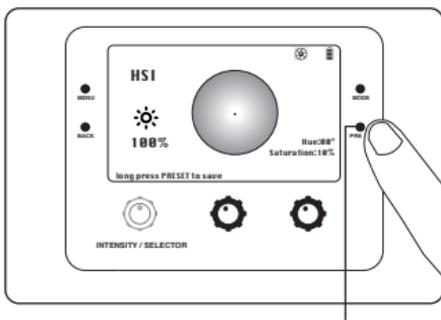


g) RGBACL Mode

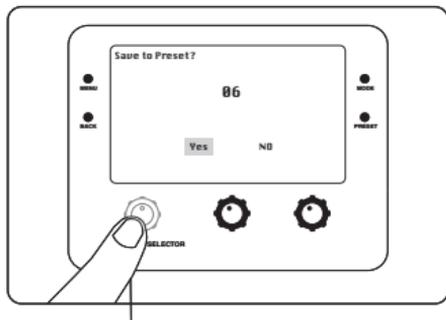


h) Save, Retrieve and Delete Data

(i) Save

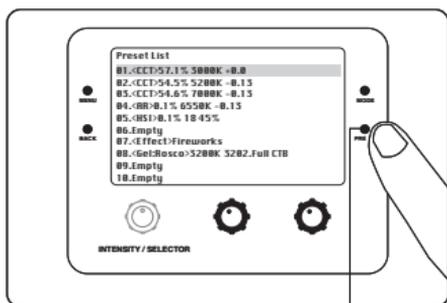


① Long press the PRESET button on any lighting mode

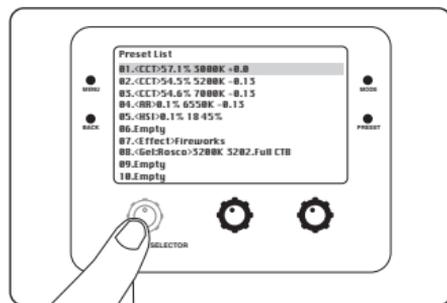


② Press to confirm

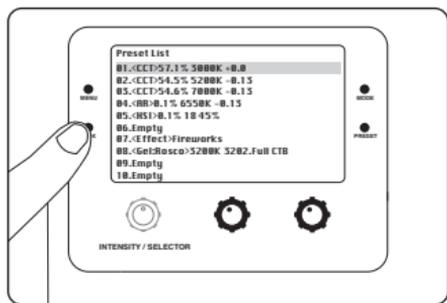
(ii) Retrieve



- ① Press the Preset button to enter the PRESET page

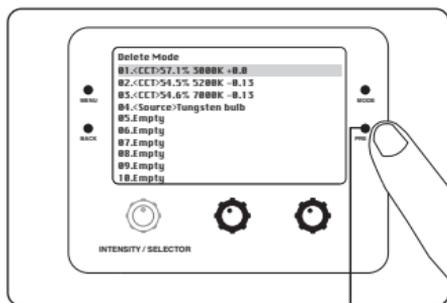


- ② Turn to scan, press to confirm

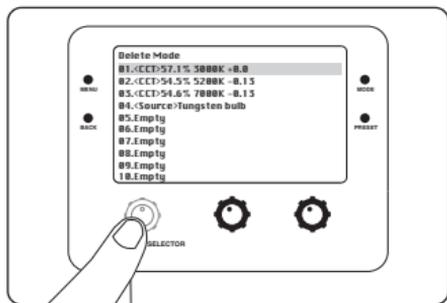


- ③ Press the BACK button

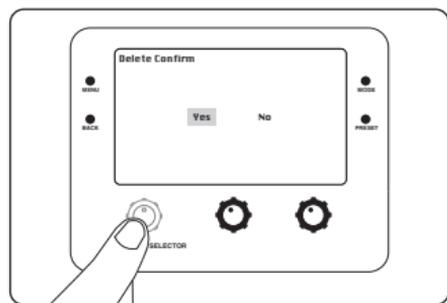
(iii) Delete



- 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. Use ChromaLink Control Multiple Fixtures

a) Use Bluetooth Mode

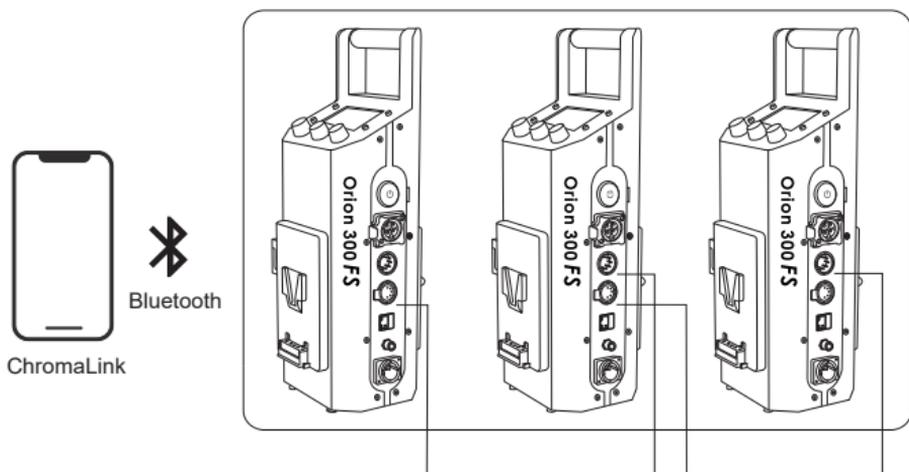
(supports universal control of multiple fixtures)

Steps: ① Download and open ChromaLink App



② Turn on Bluetooth on the phone/tablet

③ Connect your phone/tablet to any Orion 300 FS in the DMX network



Daisy chain multiple Orion 300 FS using DMX cables

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

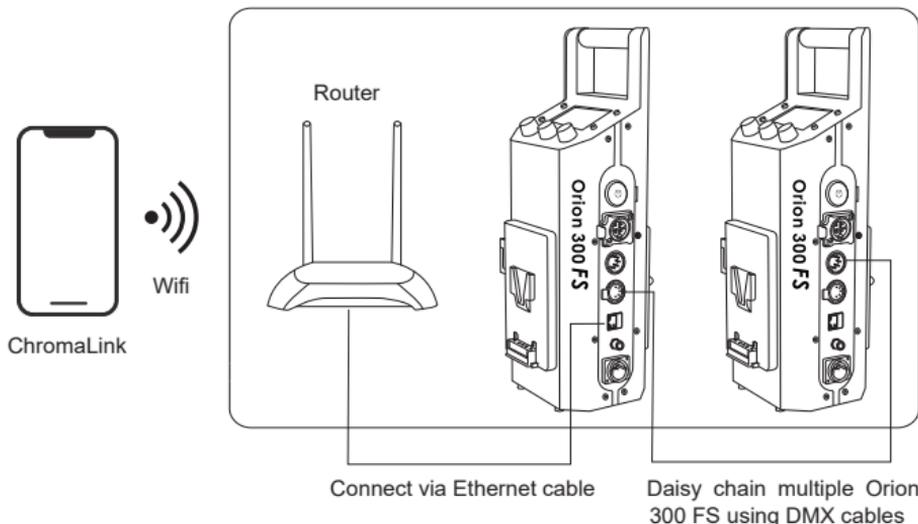
Tips #2: The Bluetooth mode supports universal control of multiple fixtures. Please connect your phone/tablet to any Orion 300 FS in the DMX network

b) Use Wifi Mode (supports group control of multiple fixtures)

Steps: ① Download and open ChromaLink App



- ② Daisy chain multiple fixtures using DMX signal cord and connect any of the fixture in the network to a router via Ethernet cable.
- ③ Turn on your phone/tablet's Wifi and connect it to the router.
- ④ Open ChromaLink App, and follow the tutorial.



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

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



 www.prolycht.com

 business@prolycht.com

 2784 Homestead Road #304, Santa Clara, CA, 95051

© 2021 PROLYCHT Lighting Co., Ltd. All rights reserved.