

## 10 MAINTENANCE AND CLEANING

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



### CAUTION

Disconnect from mains before starting maintenance operation.



In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.



**ADD** 3rd Floor, No. 288, Guangzhu East Line, Pingwen, Lanhe Town, Nansha District, Guangzhou, China

**Tel.** +86 20 8499 2310/2320/2330

**Fax** +86 20 8499 2360

**E-mail** info@color-imagination.com

**Website** www.color-imagination.com

**Follow  
us on**



[www.facebook.com/color.imagination.1](http://www.facebook.com/color.imagination.1)



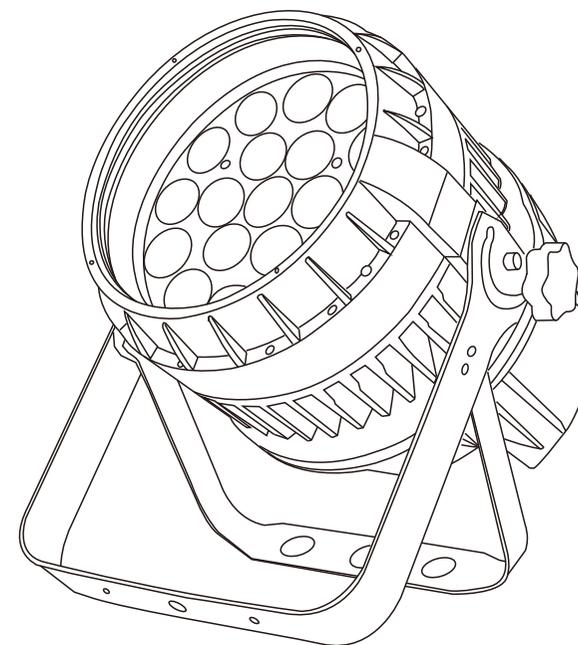
[www.youtube.com/user/colorimaginationj](http://www.youtube.com/user/colorimaginationj)



[https://twitter.com/Color\\_lighting](https://twitter.com/Color_lighting)

**Color**<sup>®</sup>  
IMAGINATION  
the POWER of DREAM

# SI-154B PARZOOM 1810FIP



CE V  IP65 t<sub>a</sub>:40°C t<sub>c</sub>:150°C

**User Manual**  
KEEP THIS MANUAL FOR FUTURE NEEDS

# 1 SAFETY INSTRUCTIONS



## CAUTION

Becareful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



## IMPORTANT

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rated voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

# 9 DMX CHANNELS

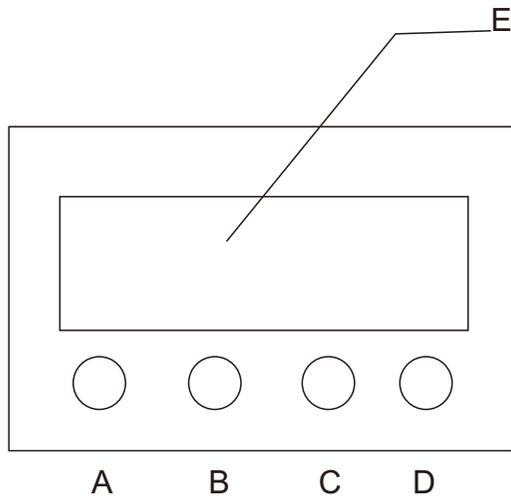
## 9CH

Channel	Function	Value	Description
1	Dimming	0-255	R,G,B,W linear dimming, dark to bright
2	Strobe	0-255	R,G,B,W strobe, from slow to fast
3	Choose	0-40	DMX 9 channel control
		41-60	Saltus step (DMX)
		61-80	Gradual change (DMX)
		81-100	Pulse change (DMX)
		101-120	Sound control 1 (DMX)
		121-140	Sound control 2 (DMX)
		141-160	Saltus step (Preset)
		161-180	Gradual change (Preset)
		181-200	Pulse change (Preset)
		201-220	Sound control 1 (Preset)
221-255	Sound control 2 (Preset)		
4	Speed	0-255	Speed from slow to fast
5	Dimming Red	0-255	Red linear dimmer from dark to bright
6	Dimming Green	0-255	Green linear dimmer from dark to bright
7	Dimming Blue	0-255	Blue linear dimmer from dark to bright
8	Dimming White	0-255	White linear dimmer from dark to bright
9	Focus	0-255	The Focal length from small to large

## 5CH

Channel	Function	Value	Description
1	Dimming Red	0-255	Red linear dimmer from dark to bright
2	Dimming Green	0-255	Green linear dimmer from dark to bright
3	Dimming Blue	0-255	Blue linear dimmer from dark to bright
4	Dimming White	0-255	White linear dimmer from dark to bright
5	Focus	0-255	The Focal length from small to large

## 8 MENU OPERATIONS



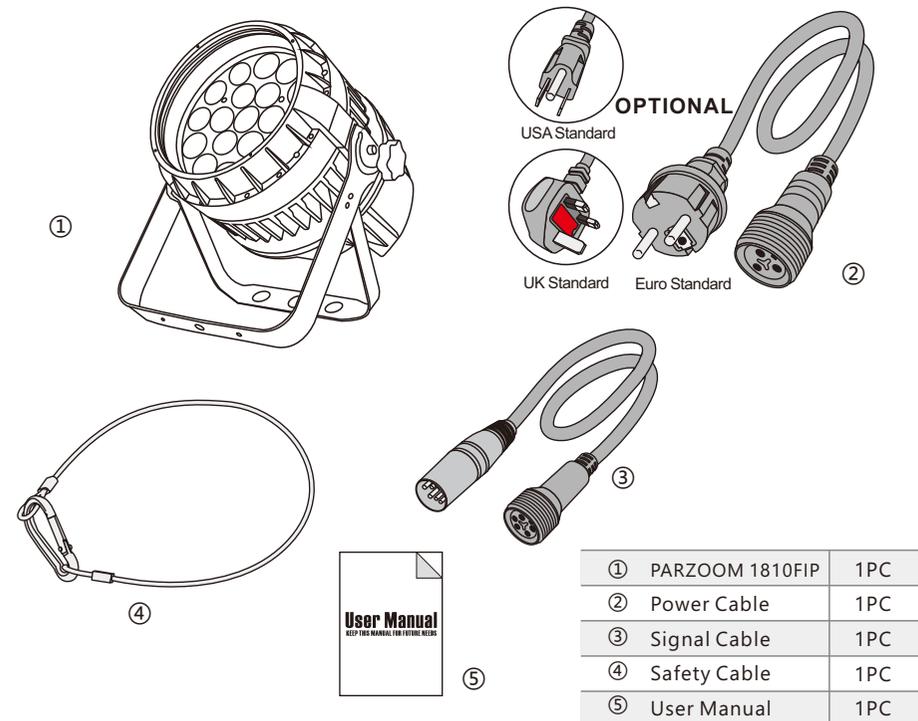
- A.MENU
- B.UP
- C.DOWN
- D.Enter
- E.LED Display

No	Display	Discription
1	A001	9CHaddresssetting (001—512)
2	D001	5CHaddresssetting (001—512)
3	CC 00	Colorsaltusstep (01—99)
4	CP00	Colorgraduachange (01—99)
5	DE 00	Colorpulsechange (01—99)
6	BEB1	Soundcontrol
7	R220	Reddimmer (000—255)
8	G220	Greendimmer (000—255)
9	B220	Bluedimmer (000—255)
10	W220	Whitedimmer (000—255)
11	t000	Motorposition (000—255)

## 2 UNPACKING

The PARZOOM 1810FIP is a professional IP65 rated LED zoom par can with 7°-60°zoomable range, featuring 18\*10W 4-in-1 LEDs(RGBW). It's with very high light output (1200W comparable lumens output), pure color mixing and even light coverage. The linear electronic dimming combines with a flicker free control system specially for TV production and film. The unit comes with dual rigging brackets/floor stand. It's available for up to 4 units power linkable at 120V and up to 8 units at 230V (multi-voltage universal auto switching power supply).

PARZOOM 1810FIP is ideal for outdoor application like architectural lighting, live concerts, road shows, clubs, theme park, wedding party, etc.

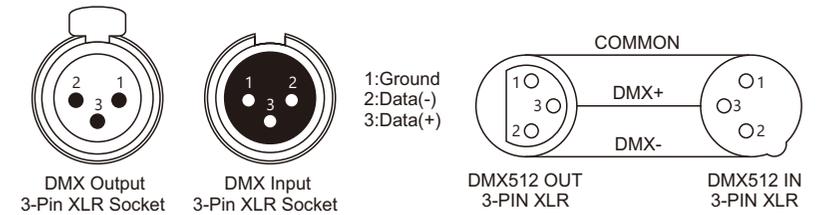


①	PARZOOM 1810FIP	1PC
②	Power Cable	1PC
③	Signal Cable	1PC
④	Safety Cable	1PC
⑤	User Manual	1PC

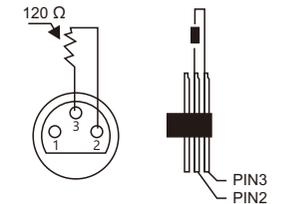
### 3 FEATURES & SPECIFICATIONS

#### Features

- 18\*10W 4-in-1 LEDs (RGBW)
- Flicker free operation for broadcast TV and FILM
- Life Span: 50000H
- The life span may vary depending on several following factors but not limited to: Environmental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming)
- High efficiency optic system
- 7° to 60° Motorized linear zoom
- High output
- RGBW
- Smooth and pure color mixing capability
- 1-25T/sec high speed LED shutter/strobe effect with variable speed
- 0-100% Smooth linear LED dimming
- LED display
- 4 Control buttons
- 5/9 DMX channels USITT DMX-512
- DMX512, master-slave, sound or auto operation
- Multi built-in default programs
- 2 Sound control modes
- Shielded input signal protection for stable signal without interference
- IP65 3-pin XLR cables IN/OUT
- LED display
- 4 Control buttons
- Advanced cooling system integrated aluminum
- Over temperature protection
- Electronic supply with active PFC
- AC100-240V 50/60Hz
- IP65 Power cables IN&OUT
- 190W Power consumption
- Aluminum die-casting structure
- 2 Hanging brackets
- Exterior finish: Black
- 1\*Safety attachment point
- 25°C to 45°C ambient temperature
- IP65 protection rating
- N.W.: 10.2kg
- G.W.: 11.9kg
- Product Dimensions: 250(D)\*310(W)\*365(H)mm
- Packing Dimensions: 380(D)\*350(W)\*450(H)mm



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



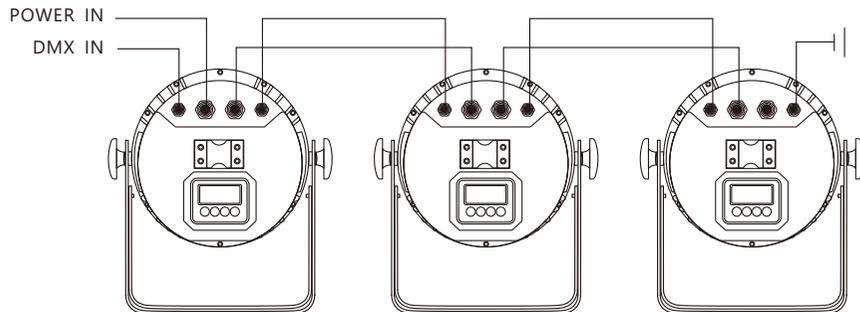
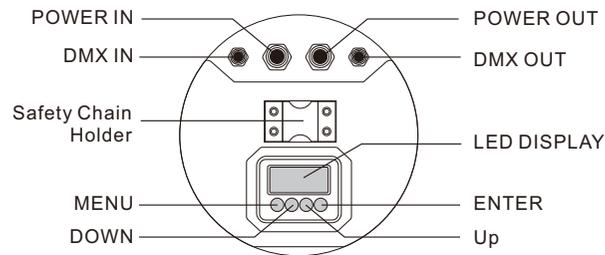
Regardless of the rigging option you choose for your PARZOOM 1810FIP, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

## 7 DMX-512 CONTROL CONNECTIONS

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

DMX-512 connection with DMX terminator



## 4 PHOTOMETRIC DATA

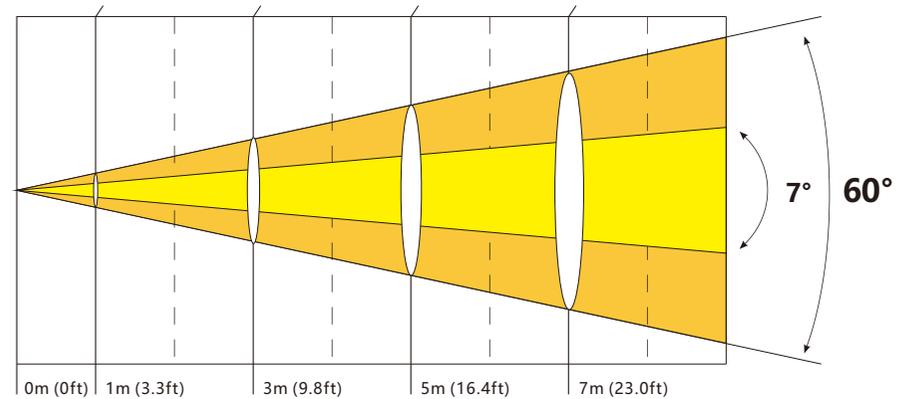
Photometric Beam Angle Data  $LUX \times 0.0929 = FC$

7°

<b>R</b>	705 / 7590	138 / 1484	45 / 495	23 / 253	
<b>G</b>	1901 / 20470	320 / 3450	123 / 1323	59 / 633	
<b>B</b>	2778 / 29900	459 / 4945	172 / 1852	180 / 851	
<b>W</b>	2638 / 28405	438 / 4715	167 / 1794	180 / 851	
<b>RGBW</b>	6837 / 73600	1121 / 12075	415 / 4474	190 / 2047	(FC/LUX)

60°

<b>R</b>	110 / 1185	32 / 345	14 / 156	12 / 127	
<b>G</b>	238 / 2565	47 / 506	18 / 196	16 / 173	
<b>B</b>	342 / 3692	44 / 483	22 / 242	17 / 184	
<b>W</b>	395 / 4255	59 / 633	24 / 259	18 / 196	
<b>RGBW</b>	876 / 9430	144 / 1230	44 / 472	26 / 276	(FC/LUX)



## 5 OPERATION INSTRUCTIONS

- The PARZOOM 1810FIP is for wash effect for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

## 6 INSTALLATIONS

**Cautions:** For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 16m (1.5 ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

**Mounting points:** Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

**Clamp Mounting:** The PARZOOM 1810FIP provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the "omega bracket". As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly.

