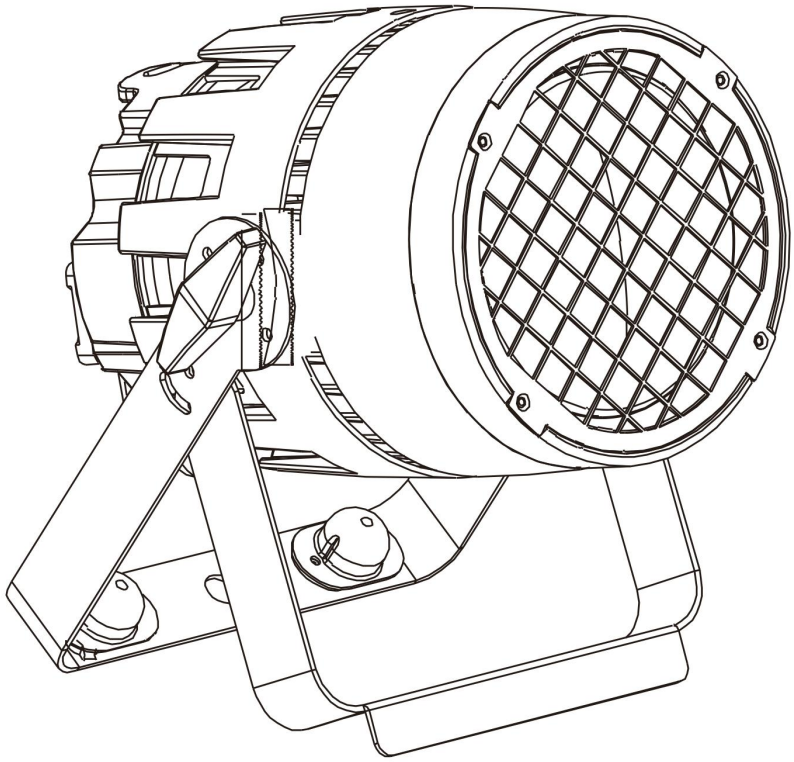
Blinder 350 IP



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

Thank you for your patronage!
We are confident that our excellent products and service can satisfy you.
For your own safety, please read this user manual carefully before installing the device.
In order to install, operate, and maintain the lighting safety correctly.
We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



CAUTION!
Keep this device away from rain and moisture!



CAUTION!
Unplug mains lead before device's installation, cleaning and maintenance!

Every person involved with the installation, operation and maintenance of device has to:
-be qualified
-follow carefully the instructions of this manual

INTRODUCTION

Thank you for having chosen this professional moving head.
You will see you have acquired a powerful and versatile device.
Unpack the device. Inside the carton box you should find:

1. One power in cable
2. One 3 Pin DMX cable(5 Pin optional)
3. Folding Clamps
4. One safety rope
5. One English user manual

（Flight case is optional, please contact your dealer）

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc., The device was designed for indoor use only.
This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in 6th page of this manual.
Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.
Do not shake the device. Avoid brute force when installing or operating the device.
While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 0,5 meter.
If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.
Please use the original packaging if the device is to be transported.
For safety reasons, please be aware that all modifications on the device are forbidden. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc.

SAFETY INSTRUCTIONS

CAUTION!



Be careful 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.
1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degress.
2. Always mount this unit in safe and stable matter.
The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

▲ **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 temperatures.
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.
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.
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.

CAUTION!



Never touch the device during operation!
The housing may heat up!

CAUTION!

Never look directly into the light source,
As sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to be the device are not subject to warranty. Keep away from children and non-professionals.

CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

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. Fixations and installations 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 !

TECHNICAL PARAMETERS

LIGHT SOURCE & OPTIC

Light source: 350W RGBALC 6in1 LED (Optional CW+WW 2in1 LED)
Beam angle: 65 ° (35 ° optional)
Luminous Flux: 12700 Lm
Color Temperature: 1800~8500 K
Lifespan: 20000 H
LED Refresh rate: 900~ 25KHz
CRI: 92+

EFFECTS

Strobe: 1 ~ 25HZ

CONTROL & PROGRAM

Control Protocol: DMX512, RDM
DMX CH Model: 1 / 2 / 3 / 4 / 6 / 7 / 13 / 21 / 10-1 / 15-1 / 10-2 / 15-2
DMX connections: 3pin(or 5pin) DMX IN/OUT
Via DMX signal to update

POWER SUPPLY

AC 100V-240V 50/60HZ
Power Consumption: 350w

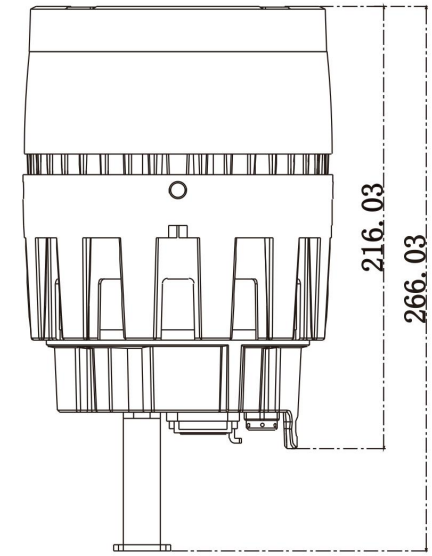
Body

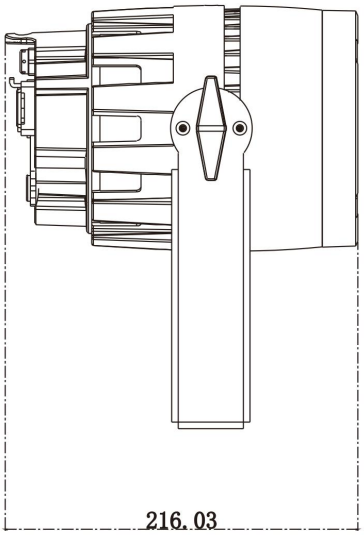
Aluminum alloy structure
Resistant to salt corrosion
IP Rated: IP65
Work Environment: -40℃ to 45℃
Display: OLED display

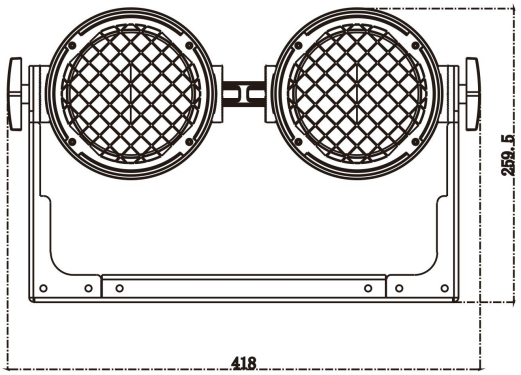
WEIGHT & SIZE

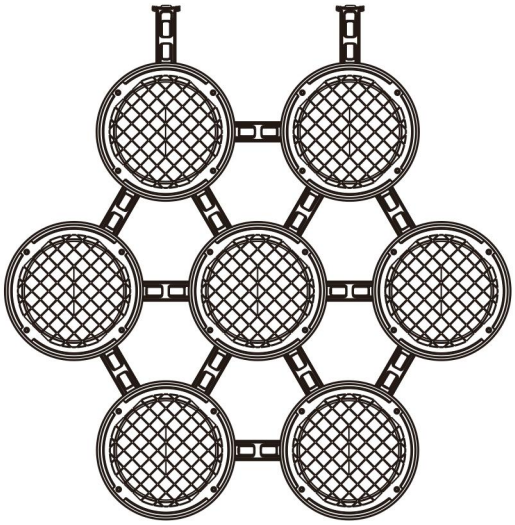
Size：266 × 151 × 301 mm
Net Weight：3.5 KG

Fixture size

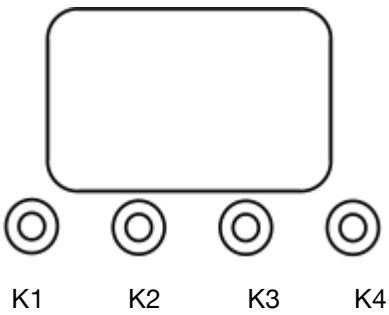








MENU DESCRIPTION



K1: Menu key, K2: Up key, K3: Down key, K4: Confirm key

Screen unlock: Long press the menu button for 4-5 seconds.

MENU STRUCTURE

Main	First level menu	Secondary Menu	Value	Description
	DMX Mode	Channel	1CH/2CH/3CH/4CH/6CH/7CH/13CH/21CH/RGB10CH /RGB15CH/CMY10CH/CMY15CH	
		Address	001-512	
	Auto	Dimmer	000-255	
		effect	00-4	
		Speed	000-100	
	Manual	Dimmer	000-255	
		Red	000-255	
		Green	000-255	
		Blue	000-255	
		Lemon	000-255	
		Amber	000-255	
		Cyan	000-255	
	CCT	Dimmer	000-255	
		CCT	1800K-8500K	
	Color Card	Dimmer	000-255	
		Color	01-60(See the table below)	
	Setting	Signal status	Clear/Hold	
		MS switch	Shut down/Turn on	Shut down: Do not send host data to slave Turn on: Send host data to slave
		Fan mode	fan high /fan auto	Automatic fan: The temperature control is normal, the fan is rotating at 45 °C, and the fan is stationary below 40 °C, Temperature control short circuit or open circuit: When the light bulb is on, the fan
				rotates, and when the light bulb is off, the fan remains stationary for about 20 seconds
		Lamp Order	Positive/reverse	Only applicable to

				auxiliary lighting
		Dim Curve	Linear/Square/Anti-Square/S-Line	
		Dim Mode	Standard/Stage/TV /Architectural/Theat re /Stage2	Standard: Fast dimming Stage/TV/Architecture/T h eater: Smooth Dimming Stage 2: Fast light up, smooth light off
		Card Fade	000-255	Only applicable to color card fading speed
		Bulb Effect	Shut down/Turn on	
		Dim Freq	2K/4K/7K/9K/11K/14K/16K/18K/21K/23K	
		Output Mode	Full power/Low power	
		Screen Saver	Shut down/Turn on	Turn on: Enter screensaver after 30 seconds
		Lock	Shut down/Turn on	
		Language	中文/English	
		Rotation	Shut down/Turn on	
		Restore	Shut down/Turn on	
	Lamp Info	Use Time	00:00	
		Current Temp	xx°C	
		Max Temp	xx°C	
		Fan Status	Stop/Run	
		VER		
	ROOT	R Current	20-255 (default 235)	(When the first level menu cursor is on the DMX, press and hold the menu key for 4-5 seconds to enter ROOT mode)
		G Current	20-255 (default 235)	
		B Current	20-255 (default 235)	
		L Current	20-255 (default 235)	
		A Current	20-255 (default 235)	
		C Current	20-255 (default 235)	
		Power	50-255 (default 185)	
		Temp Limit	40-80 (default 55)	
		Fan Speed	1-10	
		Push	Shut down/Turn on (Push device related settings to the slave)	

DMX CHANNEL LISTS

1CH	2CH	3CH	4CH	6CH	7CH	13CH	21CH	RGB 10CH	RGB 15CH	CMY 10CH	CMY 15CH	function
1	1	1	1		1	1	1	1	1	1	1	Total dimming
					2	2	2	2	2	2	2	Main light adjustment
		2			3	3	3	3	3	3	3	**Main light flicker** 0-31: Lamp beads turn off 32-63: No function 64-95: Normal strobe 96-127: No function 128-159: Pulse strobe 160-191: No function 192-223: Random strobe 224-255: No function
			2	1		4	4	4	4			Red dimming
							5		5			Red fine-tuning
			3	2		5	6	5	6			Green dimming
							7		7			Green fine-tuning
			4	3		6	8	6	8			Blue dimming
							9		9			Blue fine-tuning
				4		7	10					Lemon tone light
							11					Lemon fine-tuning
				5		8	12					Amber tone light
							13					Amber fine-tuning
				6		9	14			4	4	Cyan dimming
							15				5	Cyan fine-tuning
										5	6	Magenta dimming
											7	Magenta fine-tuning
										6	8	Yellow dimming
											9	Yellow fine-tuning
	2	3			4	10		7		7		**CCT preset** 0-17: empty 18-85:1800K-8500K(See table below) 86-255:8500K
							16		10		10	**CCT** 0-17:Empty 18-255:1800K-8500K
							17		11		11	Color temperature fine-tuning

					5	11	18	8	12	8	12	**Red green ratio** **（Only used for CCT）** 0:0% 1-127:-100% - 0% 128:0% 129-255:0% - +100%
					6	12	19	9	13	9	13	**Color card** 0: Empty 1-179: Color card(See table below) **Color scrolling** 180-201: Clockwise (from fast to slow speed)
1CH	2CH	3CH	4CH	6CH	7CH	13CH	21CH	RGB 10CH	RGB 15CH	CMY 10CH	CMY 15CH	function
												202-207: Stop 208-229: Counterclockwise (from slow to fast speed) 230-234: Stop **Randomly display colors** 235-239: Quick 240-244: Medium 245-249: Slow speed 250-255: Stop
							20		14		14	**(The following settings will take effect after staying for three seconds)** 0 ： empty **Dimming Speed** 1-20: Standard 21-40: Stage 41-60: TV 61-80: Architecture 81-100: Theater 101-120: Stage 2 **Color card fading time** 121-141: The larger the value, the longer the fade in and fade out time of

												the color card **Dim Mode** 142-149:empty **Light bulb effect** 150-154: On 155-159: Close 160-255: empty
					7	13	21	10	15	10	15	**(The following settings will take effect after staying for three seconds)** 0-24:empty **Output mode** 25-34: Full power 35-44: Low power(Fan speed decreases) 45-99:empty **Refresh rate** 100-105:2KHZ 106-111:4KHZ 112-117:7KHZ 118-123:9KHZ 124-129:11KHZ 130-135:14KHZ 136-141:16KHZ 142-147:18KHZ 148-153:21KHZ 154-168:23KHZ 169-200: Empty **Dimming curve** 201-210: Linear 211-220: square 221-230: Anti-Square 231-240: S-Line 241-255: empty

COLOR TEMPERATURE

DMX VLAUE	COLOR TEMPERATURE (K)	DMX VLAUE	COLOR TEMPERATURE (K)
18	1800	57	5700
19	1900	58	5800
20	2000	59	5900
21	2100	60	6000
22	2200	61	6100
23	2300	62	6200
24	2400	63	6300
25	2500	64	6400
26	2600	65	6500
27	2700	66	6600
28	2800	67	6700
29	2900	68	6800
30	3000	69	6900
31	3100	70	7000
32	3200	71	7100
33	3300	72	7200
34	3400	73	7300
35	3500	74	7400
36	3600	75	7500
37	3700	76	7600
38	3800	77	7700
39	3900	78	7800
40	4000	79	7900
41	4100	80	8000
42	4200	81	8100
43	4300	82	8200
44	4400	83	8300
45	4500	84	8400
46	4600	85	8500
47	4700		
48	4800		
49	4900		
50	5000		
51	5100		
52	5200		
53	5300		
54	5400		
55	5500		
56	5600		

COLOR CARD

VALUE	RANGE	COLOR	VALUE	RANGE	COLOR
1	1-3	Oyster white	31	92-94	Heather violet
2	4-6	Beige	32	95-97	Blue lilac
3	7-9	golden	33	98-100	Pearl Purple
4	10-12	Beige color	34	101-103	Pearl Blackberry
5	13-15	Ivory color	35	104-106	Pigeon Blue
6	16-18	Light ivory color	36	107-109	Azure blue
7	19-21	dark yellow	37	110-112	Light Blue
8	22-24	canary yellow	38	113-115	Gentian Blue
9	25-27	Light Orange Yellow	39	116-118	Bright Blue
10	28-30	Yellow Orange	40	119-121	Capri blue
11	31-33	Light Orange	41	122-124	Water Blue
12	34-36	Pure Orange	42	125-127	Far Blue
13	37-39	Salmon Orange	43	128-130	wathet
14	40-42	Pearl Orange	44	131-133	Pearl Gentian Blue
15	43-45	Flame Red	45	134-136	Pearl Night Blue
16	46-48	Signal red	46	137-139	patina green
17	49-51	Carmine	47	140-142	Emerald Green
18	52-54	Ruby Red	48	143-145	Leafgreen
19	55-57	Purple red	49	146-148	Grass green
20	58-60	Tomato red	50	149-151	Yellow green
21	61-63	Antique pink	51	152-154	Green traffic
22	64-66	rose pink	52	155-157	Fern green
23	67-69	Coral Red	53	158-160	Opal green
24	70-72	rose	54	161-163	Light green
25	73-75	Traffic Red	55	164-166	Pastel turquoise
26	76-78	Pearl ruby red	56	167-169	Silk Grey
27	79-81	Eastern Red	57	170-172	Cream color
28	82-84	Wine Red	58	173-175	Signal white
29	85-87	Oxidation Red	59	176-178	Light brown
30	88-91	Red lilac	60	179	Orange yellow brown

REMARK

The product has perfect performance and intergrity packing. All users should be strictly comply with the warning
and operating instructions as stated. Or we aren't in charge of any result by misusing.
Any damage resulting by misuse is not within the Company's warranty.
Any fault or problem caused by neglecting the manual is also not in the charge of dealers.
Errors and omissions for every information given in this manual excepted.
All information is subject to change without prior notice.

Thank you again for your patronage!
We will be offering sincere service as always,
Wish you have a good lighting journey!