



LightBeam 260

Index

Safe Notices	2
Light Introduce	5
Lamp Replacement	7
Line Connection	8
Light Introduce	10
Power Supply	11
Control Connection	13
Physical Installation	14
DMX Channels	16
Maintain notice	20

Thank you for purchasing the Drastic LightBeam 260, please read carefully and understand well enough about all the notices from this manual before using our products. To avoid potential risks of harms to body, wealth loss and products damage may bring to you. We will not bear responsibilities if not obey this manual notice.

Safe Notices



Notice:

Please read the safe notices before installation, charging and maintain.

Safe symbol for this manual

	Dangerous! May cause serious damages or even to death
	Dangerous! Read manual before installation and maintain
	Dangerous! High voltage, to avoid deadly electric shock
	Warning! Be care of fire
	Warning! Do not touch hot surface to avoid be scalded
	Warning! Be care of radiation to eyes, eyeshade needed
	Warning! Be care of hands, gloves needed



Warning:



This fixture is only for professional users, prohibited for home use

This light may case risks of serious damages, dead electric shock, burning, explosion and fall of the lamp.

Please read the following safe tips carefully and obey the safe notices on the light before installation, charging and maintain.

Contact us if you have questions about operation, please dial our customer service number 400-690-2226 or 020-61807798



Electric Shook Protection

- ◆ Please cut off the power supply before you open or change accessories of the light (such as lamp and the fuse), if you don't want to use the light, cut the power off.
- ◆ Make sure the fixture has ground-connect protection and use AC power supply same as the light requires.
- ◆ Please use 3 pins power cable over 5A load
- ◆ Before using, please make sure the cables are in good condition and suitable for the electric current which connect with the fixture
- ◆ If the cable or the plug damaged, light be soaked or the cable is overheat. Please cut off the power
- ◆ Don't make this fixture in the rain or moist environment
- ◆ Make sure the equipment grounding



Lamp safe

- ◆ It may cause burn damage to eyes and skin if unmask at the charging lamp, please don't stare at the charging lamp directly
- ◆ Don't use fixture with broken shell, resist-light board, shot lens, protector and resist-heat board
- ◆ If any visible damage of screens, lens or ultraviolet screens on fixture, such as cracks or deep marks should be replaced.
- ◆ Heat charging lamp with strong air pressure, may cause expression accidently
- ◆ Maintain the light or change the lamp, protect-glasses and gloves are needed, cut off the power supply and make sure the light is cool enough
- ◆ Don't use lamps of fragmentary, damaged or any other defects
- ◆ Notice the using time and the status of the lamp, replace the lamp before the service time marked in this manual or lamp manufacture limits
- ◆ Lamp installed should fit for the relevant safe demands
- ◆ Once the quartz part of the lamp broken, it will release static electricity and poison gas. If

the space is not large enough, please keep away and keep the space in good air circulate. Wear protect gloves when clear up the broken lamp, don't throw the useless lamps, send the dangerous items to the relevant department



Be care of scalded and fire disaster

- ◆ The temperature of light face may a bit high, please avoid to touch anybody or any other items, keep it cool enough before moving it
- ◆ Keep away the combustibile item (such as textile, wood, paper etc) from the light at least 0.2 meters, inflammable items keep away from this item as far as possible, keep 0.1m space at least for in/out wind
- ◆ Don't light directly at facade of item with 12 meters
- ◆ Covering the shot lens or rotate the shot lens to avoid the direct sunshine in day time
- ◆ Don't use the fixture when the temperate is over 40°C (104°F)
- ◆ Prohibit to re-install the fixture and install any parts original accessories from Drastic, prohibit to stick any paper of gobo on the lens and other parts, accessories admitted by Drastic only can used to change the light effect
- ◆ Prohibit to control the fuse or temperate-control switch illegally, replace the fuse according to the specified specification and load

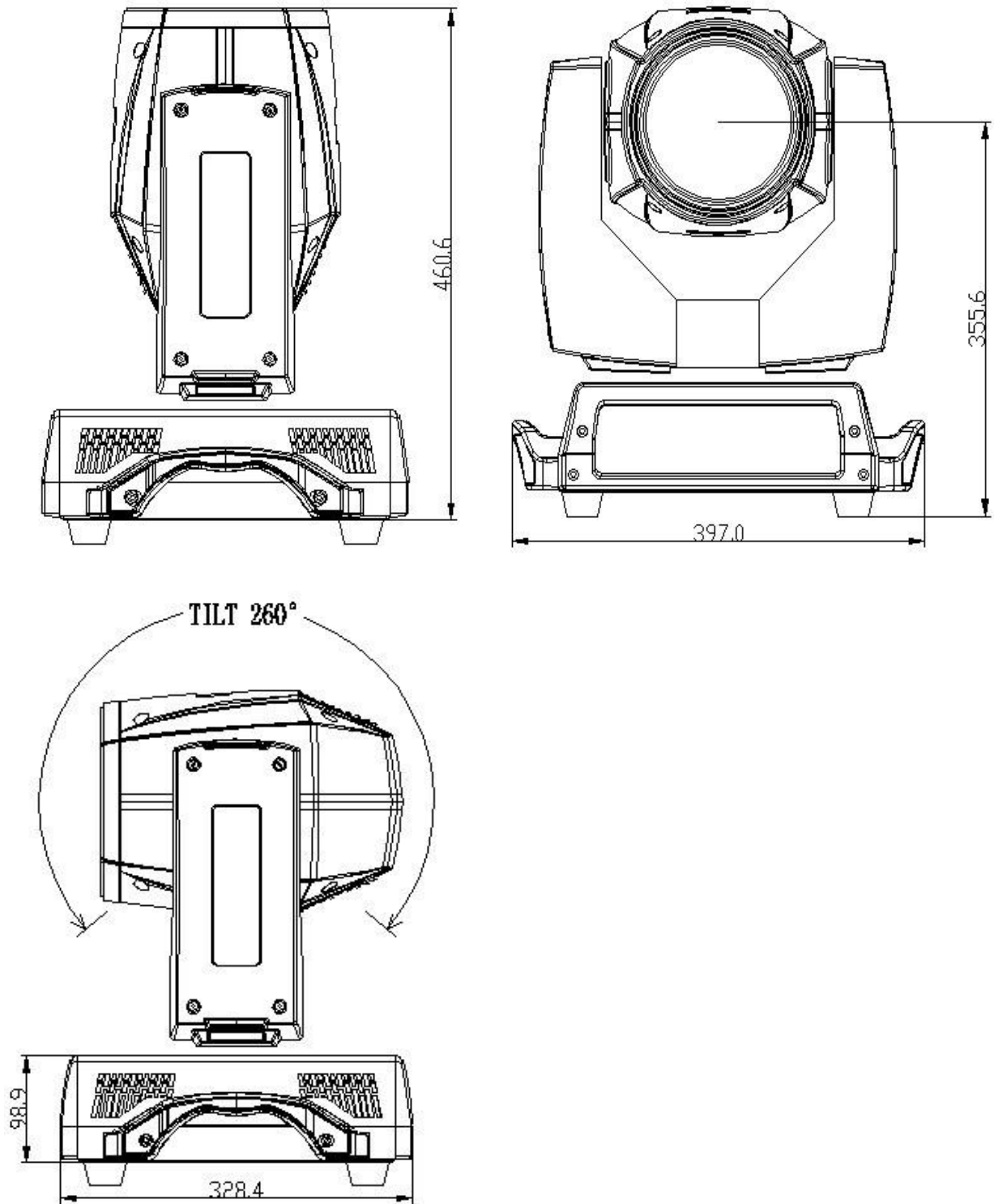


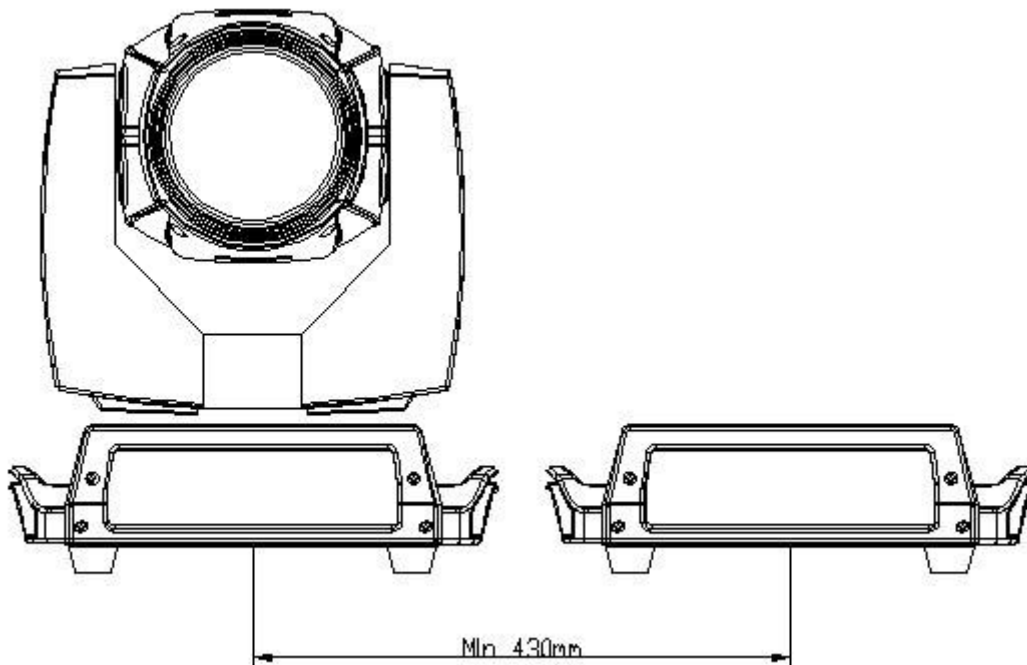
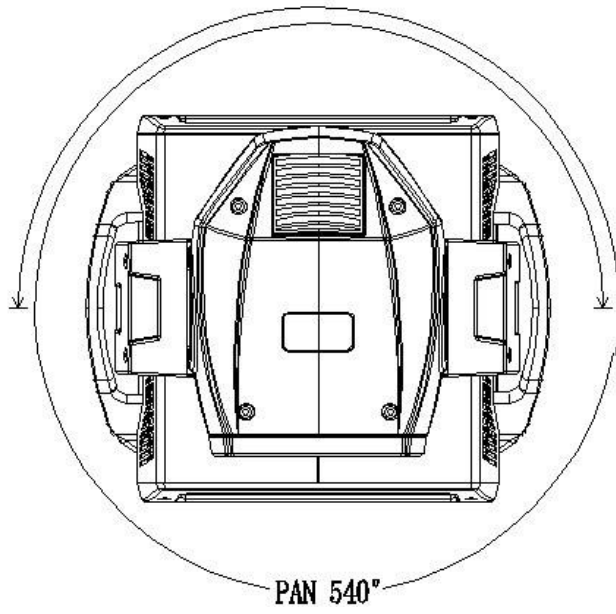
Avoid fall injury

- ◆ Don't move the fixture alone
- ◆ Install with 2 clamps when on truss, prohibit using only 1 clamp
- ◆ Make sure the truss and hanging system can support 10 times of the fixture weight;
- ◆ Install the light on flat ground or platform
- ◆ Make sure the external accessories and holder stable enough
- ◆ Stable platforms needed when install, maintain and move the fixture, safe guard need
Contact our after-service for more information have not mentioned above
- ◆ Please contact with our after-sales department for the not described operations.

Light Introduce

■ Fixture Diagram





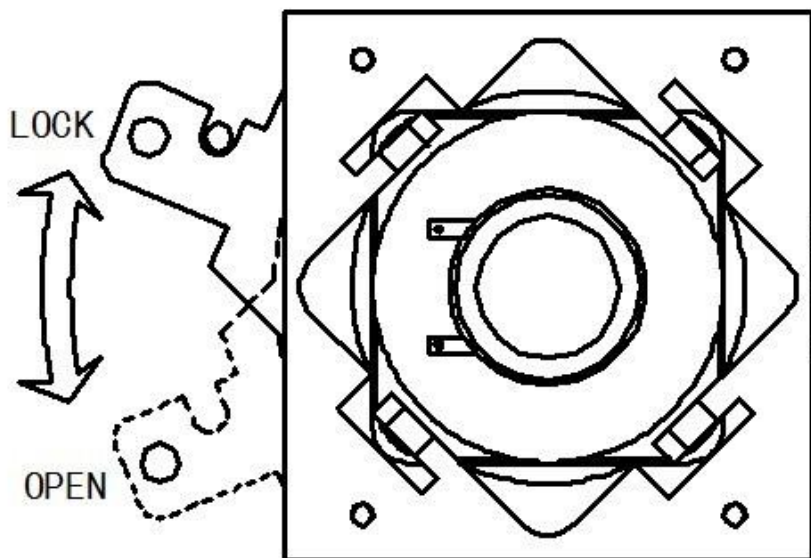
Lamp Replacement



Warning :

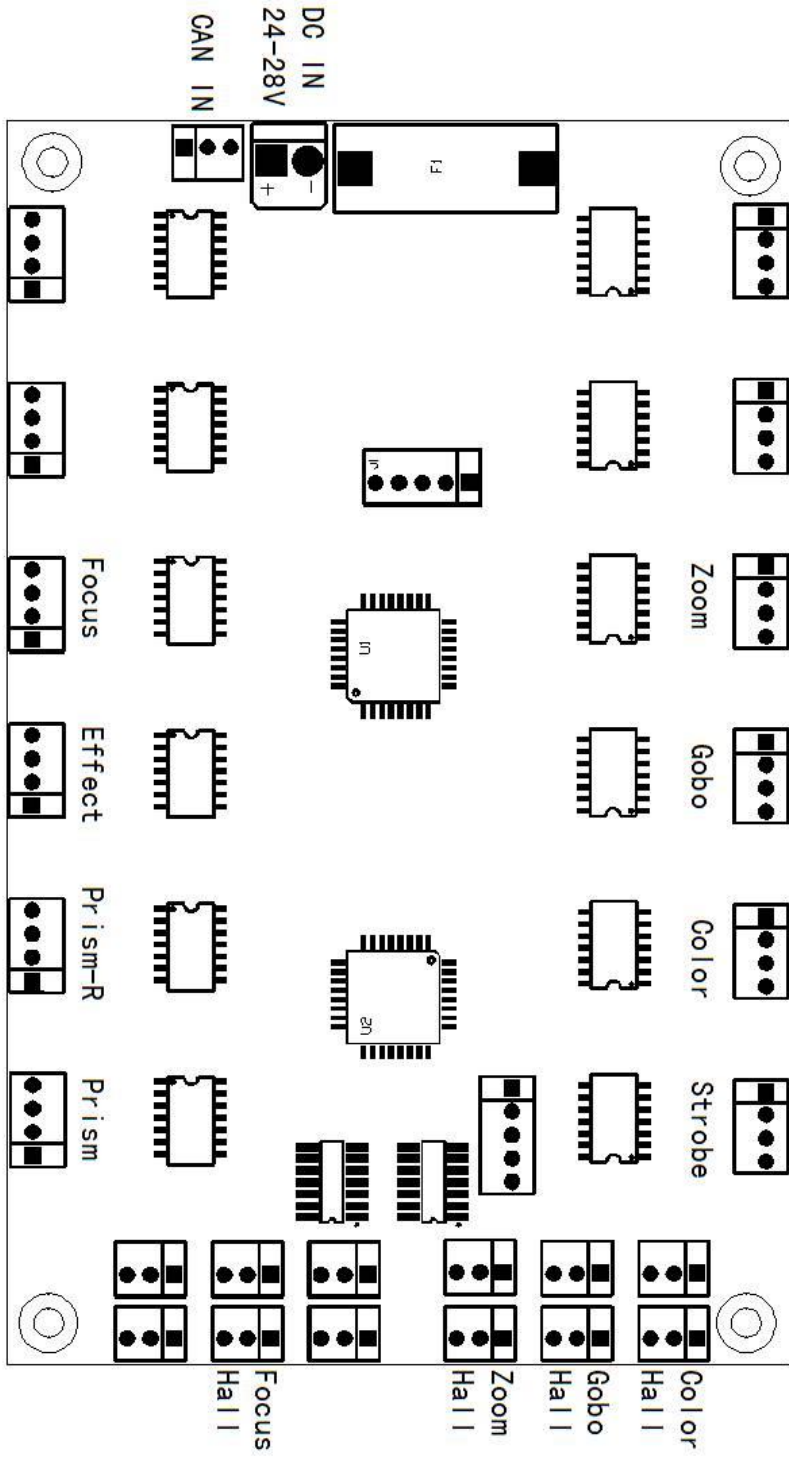
Cut off the power before replace the lamp, and uncover it after 10 minutes cooling;

■ Lamp Replace Diagram

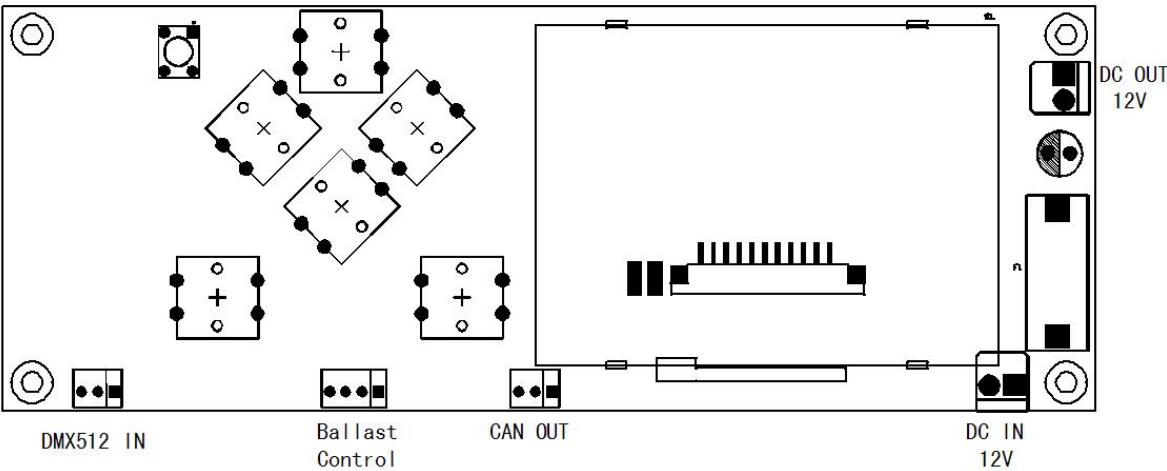


Line Connection

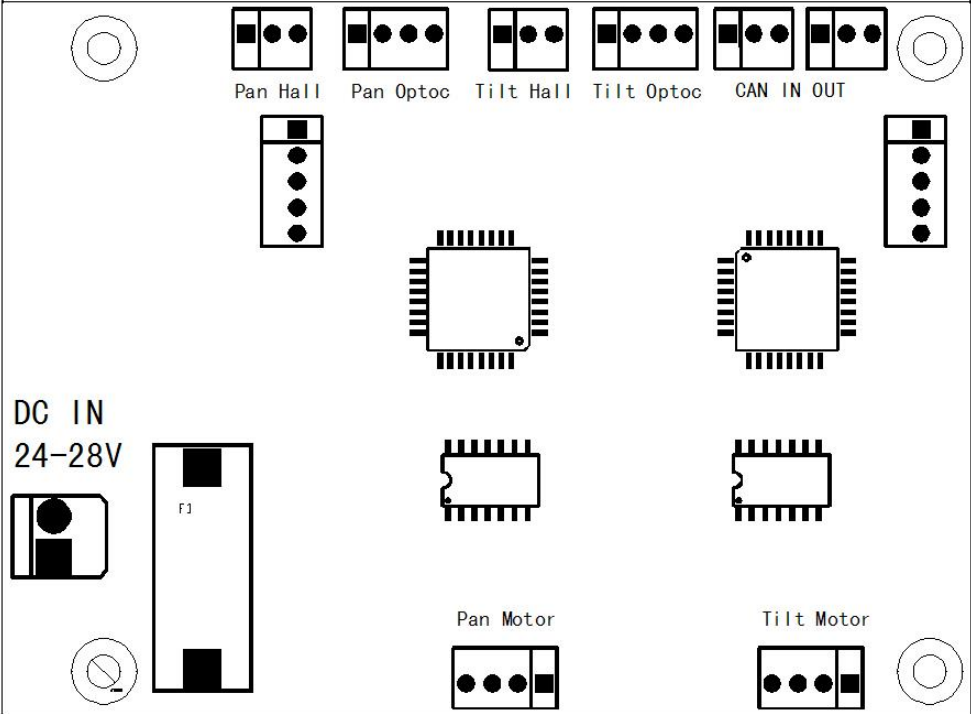
Function board:



Main board:



XY board:



Light Introduce

■ Thank you for purchasing Drastic moving head LightBeam 260, the light with features as follows:

- Voltage: AC220V-240V 50/60Hz (Optional: AC90V-260V 47-60Hz)
- Ballast: Electronic Ballast
- Lamp: Philip: 260W
- Color temperature: 8500K
- Average lifespan: 2000H
- Color: 14 colors + empty
- Gobos: 17 fixed gobo + open
- Prism: 8-facet prism, Bidirectionally variable rotation; Beam effect can be cut into and cut out.
- Frost effect: Adjustable spot angle for frost.
- Beam: 7 Grades Adjustor for Beam shot.
- Focus: Electric focusing
- Dimming: 0-100% linear adjustment
- Range: Pan 540° ,Tilt 260° 16 Bit control mode. Auto re-positioning system.
- Beam angle: 0-3.8°
- Strobe: 0.5-12 times/second
- Control mode: DMX 512
- Channels: 16/20 channels
- Other functions: LCD Display panel, Chinese and English Display. Remote control on/off for lamp.
- Power saving mode: timer for recording fixture and lamp using status.
- Body housing material: Plastic and alloy
- PFC≥ 0.99
- IP Grade: IP20
- N.W.: 17.5kgs
- Up to GB7000.217 - 2008 standard and CE Certification

Power Supply



Warning:

In case of electric shock, ground touch needed, fuse and open circuit needed for the main power supply. power voltage is match to the light marked



Warning:

Checking the installation of the fuse before turn on the power supply



Important:

Connect the light with the AC power supply directly, don't connect it with the silicon case to avoid damages to the light

■ Fuse

- This light use over-load protector: 3A at 250V;

Checking the power voltage and light inside short circuit or not if the over-load protector cut off; it will recover automatically after turn on the up-load protector if it's not cut off

Using the same specification over-load protector if replacement needed

■ Power supply

Adopt electric ballast and range amend automatically power switch. Can adjust the voltage and rate with the range of AC220V-240V 50/60Hz




Important:

Please replace the power if there're scratches, breakages on the protector skin or the cable is too short

■ Power connection

- One plug is connected at one side of the cable match with the light power connector; one plug is needed at the other side match with the power supply, 3 pins plug with ground touch. Installing the light just follow the manual shows. Advices as follows, contact expert workers if you have doubts. Connecting with the power, please make the switch to "1"

Wire color	Pin	Symbol	Screw(us)
brown	live	L	Yellow or brass
blue	Neutral	N	silver
yellow/green	ground(earth)		green

Control Connection

■ Pin Definition

LightBeam 260 use 3 pins XLR plug for DMX signal in/out, just as follows

Pin 1	Shield ground
Pin 2	Signal –
Pin 3	Signal +

Plug base for 3 pins to 5 pins is also available, and match with 5 pins equipment, it will not affect its functions, because the pin 4/5 are spare pin for the standard DMX signal

■ Date connection

1. Connect a DMX signal cable from the connector to the Male XLR plug of the light
2. Insert a cable to the Female XLR plug and connect to the next light
3. Combine a resistance at the last light

■ Notice for the reliable of date transfer

- Adopt dual cable for RS-485: standard cable is not fit for long distance data transfer, and the transfer distance of 24AGW cable can reach 300 meters (1000 inches), thicker cable needed when transfer with long distance, signal amplifier is good choice for this
- The branching driver can use the signal splitter, such as six-channel optically isolated RS485 distributor from Drastic
- Don't connect over 32 lights at one signal line
- Connect a $120\ \Omega$ 1/4w resistance in the middle of "signal+" and "signal-" on the last light, this method can avoid the reflection interference of signal, similarly, if use signal splitter, also required to add that resistance at the every terminals.

Physical Installation



Warning:

The movement of light lens may cause the base to move if the light base is not installed stable enough. Please don't turn on the light if the fixture is



Warning:

The additional insurance rope needed when hang the lights. This is to avoid dangers when the main hanging system not working. The insurance rope should install at its right position, prohibit to tie on the hand shank



Warning:

Non-vertical hanging lamps, Please change the butterfly hook, cannot use G-shaped hook, Quick draw hook and hook attachment which is not completely



Warning:

Cover the lens or rotate the lens direction to avoid direct sunshine to avoid fire disaster

■ Hang on the holder

1. Make sure the hook and the accessories are in good condition and can bear 10 times total weight of the cables and the accessories.
2. Notice the front direction marked at the bottom of the light base.
3. Stable platform needed when install, maintain and moving the light, safe guardrail needed at its bottom.
4. The arrow for front direction at the light base should point at the position need to light, lock the hook tightly.
5. Across the insurance holder on the light base with confirmed insurance rope, tie to

the holder.

6. Check the vertical lock; make sure there're no combustible items within 0.2m and no covers within 2 meters the light can reach, no inflammable items around.
7. Make sure the lights will not touch each other when they are moving.
8. Make sure the light will not shoot directly at the other one, the strong light may damage the display board.



Before Hang On



After Hang On

Clamps can be folded before it's hang-on; and can be placed in the flight case with fixture; It's more convenient for installing and dismounting.



DMX Channels

LightBeam 260

CH01	Colour Wheel
CH02	Strobe
CH03	Dimmer
CH04	Static Gobo
CH05	Prism Insertion
CH06	Prism Rotation
CH07	Effects Movement
CH08	Frost
CH09	Focus
CH10	Pan
CH11	Pan Fine
CH12	Tilt
CH13	Tilt Fine
CH14	Fuction
CH15	Reset
CH16	Lamp Control

■ DMX protocol (16 bits mode)

DMX Channel	Value	Percent	Function
1			FIXED COLOR
Color wheel	0 ~ 4	0 ~ 2	white
	5 ~ 8	2 ~ 3	color 1
	9 ~ 12	4 ~ 5	color 2
	13 ~ 17	5 ~ 7	color 3
	18 ~ 21	7 ~ 8	color 4
	22 ~ 25	9 ~ 10	color5
	26 ~ 29	10 ~ 11	color6
	30 ~ 34	12 ~ 13	color7
	35 ~ 38	14 ~ 15	color8
	39 ~ 42	15 ~ 16	color9
	43 ~ 46	17 ~ 18	color10
	47 ~ 51	18 ~ 20	color 11
	52 ~ 55	20 ~ 22	color 12
	56 ~ 59	22 ~ 23	color 13
	60 ~ 63	24 ~ 25	color 14
	64 ~ 68	25 ~ 27	color15
	69 ~ 72	27 ~ 28	color16
	73 ~ 76	29 ~ 30	color17
	77 ~ 81	30 ~ 32	color18
	82 ~ 85	32 ~ 33	color19
86 ~ 89	34 ~ 35	color20	
90 ~ 93	35 ~ 36	color 21	
94 ~ 98	37 ~ 38	color 22	
99 ~ 102	39 ~ 40	color 23	
103 ~ 106	40 ~ 42	color 24	
107 ~ 110	42 ~ 43	color25	
111 ~ 115	44 ~ 45	color26	
116 ~ 119	45 ~ 47	color27	
120 ~ 123	47 ~ 48	color28	
124 ~ 127	49 ~ 50	color29	
			CONTINUES ROTATION
	128 ~ 255	50 ~ 100	Rotation slow → fast
2	0 ~ 3	0 ~ 1	Closed
Shutter, Strobe	4 ~ 103	2 ~ 41	Slow Strobe → Fast Strobe
	104 ~ 107	41 ~ 42	Open
	108 ~ 207	43 ~ 81	Slow Pulsation → Fast Pulsation
	208 ~ 212	82 ~ 83	Open
	213 ~ 225	84 ~ 88	Random slow Strobe
	226 ~ 238	89 ~ 93	Random medium Strobe
	239 ~ 251	94 ~ 98	Random fast Strobe

	251 ~ 251	99 ~ 100	Open
3 Dimmer	0 ~ 255	0 ~ 100	Darkness→Bright
4 gobo wheel	0 ~ 3 4 ~ 7 8 ~ 11 12 ~ 15 16 ~ 19 20 ~ 23 24 ~ 27 28 ~ 31 32 ~ 35 36 ~ 39 40 ~ 43 44 ~ 47 48 ~ 51 52 ~ 55 56 ~ 59 60 ~ 63 64 ~ 67 68 ~ 71 72 ~ 113 114 ~ 117 118 ~ 159 160 ~ 166 167 ~ 172 173 ~ 179 180 ~ 185 186 ~ 191 192 ~ 198 199 ~ 204 205 ~ 211 212 ~ 217 218 ~ 223 224 ~ 230 231 ~ 236 237 ~ 243 244 ~ 249 250 ~ 255	0 ~ 1 2 ~ 3 3 ~ 4 5 ~ 6 6 ~ 7 8 ~ 9 9 ~ 10 11 ~ 12 13 ~ 14 14 ~ 15 16 ~ 17 17 ~ 18 19 ~ 20 20 ~ 22 22 ~ 23 24 ~ 25 25 ~ 26 27 ~ 28 28 ~ 44 45 ~ 46 46 ~ 62 63 ~ 65 65 ~ 67 68 ~ 70 70 ~ 73 73 ~ 75 75 ~ 45 78 ~ 80 80 ~ 83 83 ~ 85 85 ~ 87 88 ~ 90 91 ~ 93 93 ~ 95 96 ~ 98 98 ~ 100	FIXED COLOR white gobo 1 gobo 2 gobo 3 gobo 4 gobo 5 gobo 6 gobo 7 gobo 8 gobo 9 gobo 10 gobo 11 gobo 12 gobo 13 gobo 14 gobo 15 gobo 16 gobo 17 Fast Rotaion → Slow Rotaion Stop Slow Rotaion → Fast Rotaion Gobo 2 Shake Slow → Fast Gobo 3 Shake Slow → Fast Gobo 4 Shake Slow → Fast Gobo 5 Shake Slow → Fast Gobo 6 Shake Slow → Fast Gobo 7 Shake Slow → Fast Gobo 8 Shake Slow → Fast Gobo 9 Shake Slow → Fast Gobo 10 Shake Slow → Fast Gobo 11 Shake Slow → Fast Gobo 12 Shake Slow → Fast Gobo 13 Shake Slow → Fast Gobo 14 Shake Slow → Fast Gobo 15 Shake Slow → Fast Gobo 16 Shake Slow → Fast
5 Prism	0 ~ 127 128 ~ 255	0 ~ 50 50 ~ 100	Prism Excluded Prism Inserted
6 Prism rotation	0 21	0 8	ROTATING Prism SELECTION Position 0° Position 90°

	42 63 84 105 127 128 ~ 190 191 ~ 192 193 ~ 255	16 25 33 42 50 50 ~ 74 75 ~ 75 76 ~ 100	Position 190° Position 270° Position 360° Position 450° Position 540° Fast → Slow CW Stop Slow → Fast CCW
7 Effects Movement	0 ~ 255	0 ~ 100	Index min. → max.
8 Frost	0 ~ 255	0 ~ 100	Index min. → max.
9 Focus	0 ~ 255	0 ~ 100	Index min. → max.
10 Pan coarse	0 127 255	0 50 100	PAN COARSE Max Left Neutral Max Right
11 Pan fine	0 127 255	0 50 100	PAN FINE Max Left Neutral Max Right
12 Tilt coarse	0 127 255	0 50 100	TILT COARSE Max Up Neutral Max Down
13 Tilt fine	0 127 255	0 50 100	TILT FINE Max Up Neutral Max Down
14 Function	0 ~ 255	0 ~ 100	
15 Reset	0 ~ 50 128 ~ 255	0 ~ 50 50 ~ 100	No control Lamp on(time > 3 second
16 Control	0 ~ 25 26 ~ 100 101 ~ 255	0 ~ 10 10 ~ 39 40 ~ 100	No control Lamp off (time > 3 second) Lamp on(time > 3 second

Maintain Instruction



Warning:

Cut off the power supply and cool it before opening covers of the light



Important:

Mass dust and oil will lower the light's performance and will cause over-heating or even cause damages to the light. Damages cause by improperly maintain cannot get the guarantee service. Cut off the power supply and cool it before opening covers of the light

Be careful when clean the optical accessories and operate the light at a clean and bright occasion. The coating surface is fragile. Prohibit to use solvents may damage the plastic and colored surface.

Keep it cool and clean the dust of fans regularly

■ **Clean the optical parts**

1. Cut off the power supply and cool the light completely. Open the light housing.
2. Clean the dust
3. Using the cotton paper to clean the stable blots with glass cleaner or purified water. Wipe the surface softly.
4. Cleaning the oil with alcohol cotton paper. Glass cleaner is also available, but purified water needed to clean up. Wipe it from inside to outside.
5. Wiping with clean and soft cloth

■ **Clean the fans**

Wiping the dust of fans with soft brush, cotton cloth, dust catcher and air compressor



