

RAZOR 230

PROFESSIONAL BEAM MOVING HEAD



USER MANUAL

Please read the instructions carefully before use

 **ADASTRA**

01. Safety instructions

Thank you for choosing our MINI230W beam light. To use this product correctly and safely, please read the manual carefully before installation and use. This manual contains important installation and application information. When installing and operating the product, please strictly follow the instructions in the manual. At the same time, please keep this manual properly.

Our 230W beam light uses a new, aesthetically pleasing high-temperature resistant metal body. This product complies with the international standard DMX512 signal protocol and can be used independently or in conjunction with other devices. It features quick rotation, low noise, and powerful functionality, making it suitable for small to medium-sized concerts, theaters, studios, nightclubs, and bars.

Please take care to remove the packaging, check whether the product is damaged during transportation after removing the packaging, and check whether the following contents are complete.

order	name	quantity	unit
1	sealed beam lamp	1	short for Taizhou
2	Lock up quickly	2	individual
3	power line	1	twig
4	instructions	1	stem or root of plants

This product is in good condition before leaving the factory. In order to maintain the good condition of this product and ensure safe operation, users should follow the safety matters and warnings in this manual.

Important: Damage caused by non-compliance with this manual is not covered by warranty. The supplier is not responsible for product problems caused thereby.

If the product has been exposed to extreme unstable temperature environment (such as after transportation), do not connect the power supply immediately, because the water droplets generated by temperature changes may damage the product. Please use the product after it has returned to normal temperature.

This product can be used in the voltage range of 100-240V and is for indoor use. Please ensure that the voltage used is not higher than the range that the product can withstand!! The power plug must be plugged into a well protected Class I socket. The green or tea green conductor must be grounded.

Please check the power cord of this product regularly to ensure that it is not folded or damaged and does not connect to other wires! Pay special attention when connecting the power cord or related wires. Unplug the power cord before using this product or cleaning.

Before using the product, please familiarize yourself with its operating functions. Do not let children or unprofessional personnel come into contact with the product. Do not shake this product. Do not use brute force when

installing or operating the product. Do not let unprofessional personnel operate the product. Most damage is caused by unprofessional operation.

The product is not equipped with relevant maintenance parts. The maintenance and repair of the product can only be carried out by professionals!

Please do not change this product without authorization, otherwise it may damage the product, so the damage caused is not covered by the warranty. In addition, unprofessional operation may lead to short circuit, burns or electric shock, etc.

02. DMX 512 Signal connection

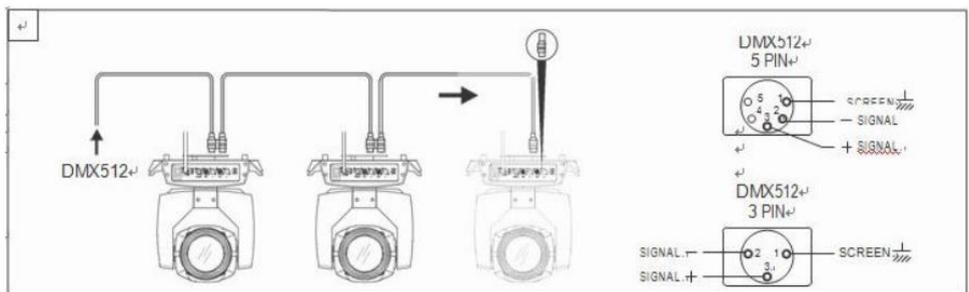
This lighting fixture uses the DMX512 signal control mode, where the control signals for each light are in parallel. When connecting multiple lights, it is best to use a dual-core shielded cable. During connection, each light should be connected through the DMX signal socket (Cannon port) INPUT (input) and OUTPUT (output). The 3-pin XLR connector terminals of the signal lines for connecting lights must correspond to each other. It is recommended to use a DMX signal terminator when connecting light signals. This can prevent damage to the control signals caused by electrical noise. The DMX signal terminator connects a 120 ohm 1W resistor between the 2nd and 3rd pins of an XLR connector and connects

it to the OUTPUT (output) socket of the last light.

Lighting starting address code calculation method:

The starting address code of the current lamp is equal to (the starting address code of the previous lamp) + (the number of channels of the lamp). Note:

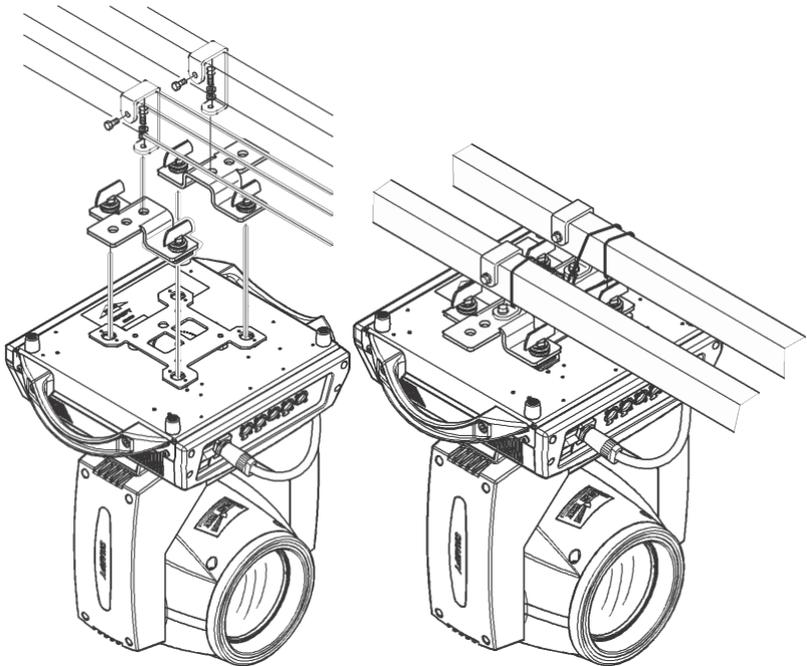
- 1: The starting address code value of the first lamp is A001.
- 2: The basic channel number of the controller should be greater than or equal to the total number of channels used by the lamp.
- 3: Note: When using any controller, each light fixture must have its own starting address code. If the starting address code for the first light fixture is set to A001 and the number of channels in the light path is 16CH; then the starting address code for the second light fixture should be set to A017; the starting address code for the third light fixture should be set to A033; and so on (this setting method also needs to be determined according to different control panels).



Light fixture installation instructions:

This lamp can be placed horizontally, suspended at an angle, or hung

upside down. When hanging at an angle or upside down, pay attention to the installation method. For fixed installation: before positioning the lamp, ensure the stability of the installation location. When installing with a reverse suspension, make sure the lamp does not fall off the support frame. Use safety ropes to connect the support frame and the lamp handle for auxiliary hanging to ensure safety. Prevent the lamp from falling or sliding. During installation and commissioning, no pedestrians should pass under the lamp. Regularly check if the safety ropes are worn out and if the hook screws are loose. If any consequences arise from the lamp falling due to unstable suspension, the manufacturer will not bear any responsibility.



Installation of light bulb:

1. When replacing and installing the light bulb, remove the plastic housing of the lamp head first.

2. It is recommended to use a good quality bulb.

3. Do not install or remove the bulb with electricity.

4. Do not touch the bulb with your hand.

5. Be sure to tighten the screws after changing the bulb.

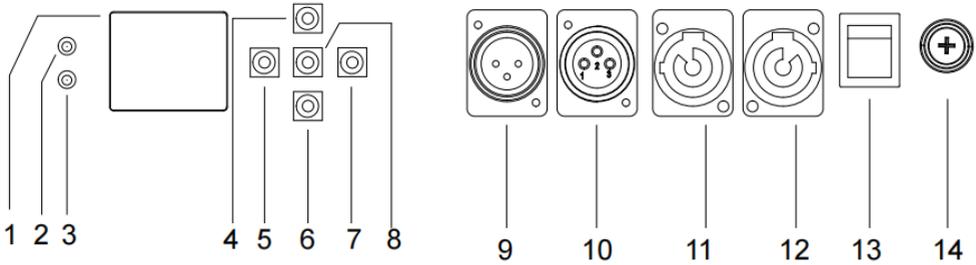
6. The bulb works at a very high temperature, and the physical characteristic that the gas discharge bulb cannot continue to supply power, so it must be completely cooled for 10 minutes after each power failure before it can be operated, otherwise it will cause high voltage discharge and short circuit to burn out the components on the computer control board.

Product features

class	parameter
working voltage	AC100 ~ 240V, 50/60HZ
illuminant	230W bulb +SMD light strip
power	450W
aiming	Gate type dimming, brightness 0-100% adjustment
strobeflash	Pulse frequency flash is available
focus	Electronic focus adjustment
optical lens	High precision optical lens
Prism disk	Built-in prism effect, 360° positive flow

Color palette	11 colors + white, rainbow effect, half-step color effect
rainbow	Six high brightness color chips
Patterned	15 patterns + round white light, can rotate in both
channel	16CH international standard DMX512 channel
display screen	LCD liquid crystal display
X axle	540°
Y axle	270°
control model	(DMX (main and secondary machines (self-propelled
commutator	Electronic rectifiers make the product lighter, brighter, more stable, more environmentally friendly and energy

Panel functions



projec	No	silk-screen	act on
Button	1	LCD DISPLAY	LCD display screen
	2	DMX	Traffic lights
	3	ERR	fault indicating lamp
	4	UP	Press the key
	5	MENU	menu key
	6	DOWN	Press the key
	7	ENTER	enter key
	8		Identify keys
	9	DMX IN	DMX advance
	10	DMX OUT	DMX go out
	11	POWER IN	power input
	12	POWER OUT	power output
	13	ON/OFF	switch
	14	FUSE	fuse

05. Main functions of the display screen

host page Face	1	Address, DMX address modification
	2	Settings, parameter Settings
	3	Scene, manual Settings
	4	Status, device information
	5	Advanced, advanced parameter Settings
	6	Chinese, switch between Chinese and English
	7	The screen is upside down
	8	reset

set up	running mode	DMX, scene, self-driving, voice
	scene	1-10, automatic
	DMX address	001-512
	channel pattern	16CH
	lamp bulb	Open, close
	Voice control sensitivity	0-80
	X reversal	Close, open
	Y reversal	Close, open
	XY exchange	Close, open
	XY encoder	Open, close
	No DMX signal	Clean, maintain
	Turn on the light bulb	Open, close
	Screen time	10S,20S,40S,60S, always on
	Screen protection	No, mode 1
	screen intensity	20%, 40%, 60%, 80%, 100%
Restore default Settings	Confirm / return	

state	DMX channel value monitoring	Color palette	000-255
		strobeflash	000-255
		aiming	000-255
		Patterned panels	000-255
		prism	000-255
		prism rotation	000-255
		colorful	000-255
		focus	000-255
		horizontal	000-255
		Level fine-tuning	000-255
		perpendicular	000-255
		Vertical	000-255
		Horizontal/vertic	000-255
		reset	000-255
		lamp bulb	000-255
	tape lights	000-255	
	Light strip speed	000-255	
	System error log	*****	
	temperature	*****	
	Equipment	*****	
This is the	*****		
MT	20241112		
DP	20241113		
XY	NONE		

scene	Scene selection	1-10
	Scene time	0-25.5s
	Color palette	000-255
	strobeflash	000-255
	aiming	000-255
	Patterned panels	000-255

	prism	000-255
	prism rotation	000-255
	colorful	000-255
	focus	000-255
	horizontal	000-255
	Level fine-tuning	000-255
	perpendicular	000-255
	Vertical fine-tuning	000-255
	Horizontal/vertical velocity	000-255
	reset	000-255
	lamp bulb	000-255
	tape lights	000-255
	Light strip speed	000-255

senior	enter password		Up and down and down
	Sensor detection	X-axis Hall state	000,001
		Y-axis Hall state	000,001
		Color wheel hall	000,001
		Pattern disk hall	000,001
		Set the focus hall	000,001
		Status of the	000,001
		The step value of	00000~99999
		Y-axis encoder	000,001
		The Y-axis	00000~99999
	Reset calibration	X-axis calibration	-128-127
		Y-axis calibration	-128-127
		Color calibration	-128-127
		Solid figure	-128-127
		Focus calibration	-128-127
		prism alignment	-128-127
		Color calibration	-128-127
		Flash calibration	-128-127
	Pattern color zero correction		Open, close
	maximum power		000-255
maximum temperature		50-80	

06.Channel mode

[DMX Schedule 1] Total channel table 16CH

channel	16CH
1	Color palette
2	stroboflash
3	aiming
4	Patterned panels
5	prism
6	colorful
7	focus
8	X axle
9	X fine-tune the micro movement
10	Y axle
11	Y fine-tuning
12	XY velocity
13	reset
14	lamp bulb
15	tape lights
16	Light strip speed

[DMX Schedule 2] Channel parameter 16CH

16	function	Channel values	effect
1	Color palette	000-004	white light
		005-009	White light + color 1
		010 - 014	Colour 1
		015 - 019	Color 1 + color 2
		020 - 024	Color 2
		025 - 029	Color 2 + color 3
		030 - 034	Color 3
		035 - 039	Color 3 + color 4
		040 - 044	Colour 4
		045 - 049	Color 4 + color 5
		050 - 054	Color 5
		055 - 059	Color 5 + color 6
		060 - 064	Colour 6
		065 - 069	Color 6 + color 7
		070 - 074	Colour 7
		075 - 079	Color 7 + color 8
		080 - 084	Color 8
		085 - 089	Color 8 + color 9
		090 - 094	Color 9
		095 - 099	Color 9 + Color 10
		100 -104	Color 10
		105 -109	Color 10 + color 11
		110 -114	Colour 11
115 -119	Color 11 + white light		
140 -189	Forward flow (from fast to slow)		
190 -255	Reverse flow (from slow to fast)		

2	strobeflash	000-009	The shutter is closed
		010-249	The pulse frequency flashes from slow to fast
		250-255	The shutter opens
3	aiming	000-255	The gate is opened and the brightness is 0-100%
4	Patterned panels	000-004	white light
		005-009	Pattern 1
		010-014	Pattern 2
		015-019	Pattern 3
		020-024	Pattern 4
		025-029	Pattern 5
		030-034	Pattern 6
		035-039	Pattern 7
		040-044	Pattern 8
		045-049	Pattern 9
		050-054	Pattern 10
		055-059	Pattern 11
		060-064	Pattern 12
		065-069	Pattern 13
		070-074	Pattern 14
		075-079	Pattern 15
		080-124	The positive flow is from fast to slow
		125-129	White circles
		130-174	Reverse flow, from slow to fast
		175-179	The white ball shakes, and the speed increases from slow to fast
180-184	Pattern 1 shakes, and the speed goes from slow to fast		
185-189	Pattern 2 shakes, and the speed goes from slow to fast		
190-194	Pattern 3 shakes, from slow to fast		
195-199	Pattern 4 shakes, and the speed goes from slow to fast		

		200-204	Pattern 5 shakes, and the speed goes from slow to fast
		205-209	Pattern 6 shakes, and the speed goes from slow to fast
		210-214	Pattern 7 shakes, and the speed goes from slow to fast
		215-219	Pattern 8 shakes, and the speed goes from slow to fast
		220-224	Pattern 9 shakes, and the speed goes from slow to fast
		225-229	Pattern 10 shakes, from slow to fast
		230-234	Pattern 11 shakes, from slow to fast
		235-239	Pattern 12 shakes, from slow to fast
		240-244	Pattern 13 shakes, from slow to fast
		245-249	Pattern 14 shakes, from slow to fast
		250-255	Pattern 15 shakes, from slow to fast
5	prism	000-127	The prism pops up
		128-138	Prism cut in
		139-190	The positive flow is from fast to slow
		191-192	keep
		193-255	Reverse flow, from slow to fast
6	colorful	000-127	Close the rainbow
		128-255	The rainbow opens
7	focus	000-255	The clarity of the pattern goes from far to near
8	X axle	000-255	The horizontal position is 0-540° scan
9	X-axis fine-tuning	000-255	Fine adjustment of horizontal position
10	Y axle	000-255	Vertical position 0-270° scan
11	Y-axis fine-tuning	000-255	Make fine adjustments in the vertical position
12	XY velocity	000-255	Horizontal/vertical movement speed, from fast to slow

13	reset	000-127	of no avail
		128-255	Automatic reset of the machine (stay for more than 6S)
14	lamp bulb	000-099	of no avail
		100-110	Turn off the light bulb (stay for more than 6S)
		111-199	of no avail
		200-210	Turn on the light bulb (stay for more than 6S)
		211-255	of no avail
15	tape lights	000-255	Light strip effect selection
16	Light strip speed	000-255	From fast to slow

Maintenance/service after sale

Shutting Down Procedure: Before each power-off, turn off the light bulb at least 10 minutes in advance to allow the cooling fan to quickly expel the heat generated during use. This can extend the life of the components inside the lamp, especially the bulb! To ensure stable operation, keep the lamp clean. Before disassembling the lamp for maintenance or repair, confirm that the power is off. Keeping the lamp clean and tidy is crucial; please perform regular cleaning to maintain maximum brightness output and extend the lamp's lifespan. It is recommended to use high-quality glass cleaner and clean with a soft cloth. The interior of the lamp should be vacuumed at least once every six months.

Note! When the lamp is delivered, it has been strictly quality inspected and the

package is intact. Please operate according to the instruction manual. The machine failure caused by human reasons is not within the warranty scope.

1.The company will provide technical advice to customers for life.

2.If the product is faulty and needs to be repaired, please show the warranty card of the product and fill in the relevant information truthfully. At the same time, we hope that customers can timely report the problems of the product to us, so that we can improve the product in the first time.