AXIS BEAM 150

PROFESSIONAL BEAM MOVING HEAD

USER MANUAL

Please read the instructions carefully before use

ADASTRA

Product accessories		
This user book	one	Yes (no)
Power cord (as required by the order)	one	Yes (no)
U frame	one	Yes (no)
DMX Cable (as required by the order)	one	Yes (no)
The screw is fixed on the lamp (used to fix the hanger)	2	Yes (no)

Product characteristics	
operating	AC100～240V，50～60Hz
consumed	280W
Light source	150W white light +SMD
Life of light	≥ 20,000 hours
Color wheel	7 colors+white light
Pattern disk	11 patterns+circular patterns
prism	18 prism effect
Rainbow	6 colors rainbow effect
aiming	Linear dimming, brightness 0 ~ 100% adjustable.
stroboscopic	1 ~ 20 Hz strobe per second, with adjustable strobe speed.
level position	0～540°
vertical	0～200°
spin velocity	Adjustable speed
Channel mode	13/15 international standard channels
Display screen	Digital display LCD LCD display
control model	DMX control master/slave synchronous mode self-propelled control，Voice control
Lamp color	Black (white)
DMX	DMX Canon Block (Network Port)
IP level	IP20 indoor use

Safety warning information

1. Before using it for the first time, please unpack it and check whether it is damaged due to transportation. In case of damage caused by transportation, please do not use this lamp and contact our company as soon as possible.

2. This product is only suitable for indoor use, and the lamps should be kept dry to avoid being used in wet, overheated or dusty environment. Place lamps in contact with other liquids such as water.

3.AC power supply: check whether the local power supply meets the rated voltage requirements of the product.

4. When installing and positioning lamps, please don't install lamps directly on the surface of ordinary combustible materials. 

5. Only qualified professionals can install, operate and maintain lamps;

6. When the lamps fail, stop using the lamps immediately. Don't try to repair it yourself, please contact the nearest authorized technical assistance center or manufacturer. If the parts are damaged, always replace them with the same type of parts.

7. Don't touch any wires during operation, which may lead to dangerous electric shock.

8. Ensure that the ambient temperature for normal and stable operation of lamps and lanterns does not exceed 40℃ at the highest and -20℃ at the lowest. Lamps and lanterns should be installed in a well-ventilated place, and ensure the normal rotation of lamps and lanterns fans.

9. Do not use the power cord with damaged insulation, and do not overlap the power cord with other wires. When the lamps are not used or cleaned, please unplug the power cord with the power cord plug. Do not unplug or drag the power cord directly.

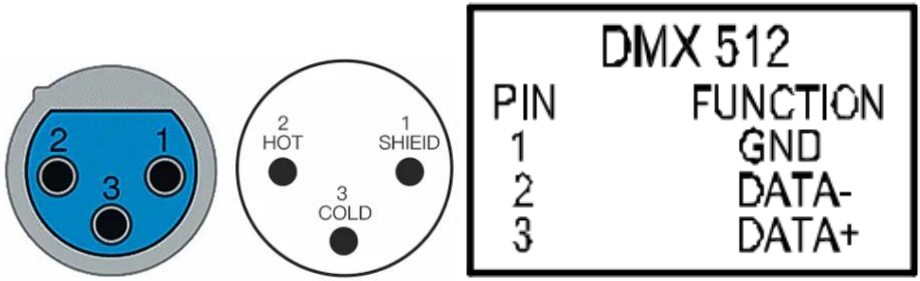
10. There are no user-maintained parts in this lamp. Before starting to

operate the lamps, please check whether all the shells have been installed and whether the screws have been tightened reliably. It is forbidden to use lamps with the shell open.

Note: Please make sure that the power cord has been cut off before any installation, maintenance and cleaning of lamps!

Connection of DMX control signal

DMX512 Tri-core Canon Block



If you want to use DMX controller to control lamps and lanterns, you must first set the DMX address code, which ranges from 1 to 512, so that lamps and lanterns can receive DMX signals.

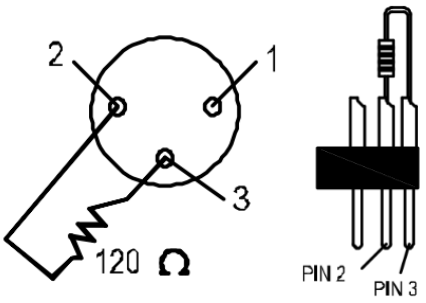
Press the MENU button and select the d00 menu option. Press the ENTER button to enter. Use UP/DOWN to select DMX512 address code, and our factory value is set to DMX“001 ". After the address code is set, press and hold the ENTER button.

Connect the output port of DMX512 console to the DMX input port of the first slave, and connect the DMX output port of the first slave to the DMX input port of the second slave with signal lines, and so on until all the slaves are connected.

DMX-512 connection needs terminal (loop connection).

In the process of installation, it is recommended to use DMX terminal (loop connection) if the signal line is laid for a long distance, or in an environment where electrical appliances are noisy, such as dance halls. This can avoid the turbidity of digital control signal caused by electrical noise. The DMX terminator consists of a simple XLR connector with 2 cores and 3 cores connected with a resistor of 120. Please plug the

terminator into the XLR output port of the last product, please refer to the following figure.



Display panel

Project	serial number	Corresponding silk screen printing	function
Button:	1		Enter the main page/menu at the next higher level.
	2		Upper key
	3		Lower key
	4		Enter the selected function/Enter key.

Display screen function

Main page	set up	Parameter setting
	manual	Manual setting
	system	State monitoring, display
	senior	Advanced parameter configuration
	Chinese-English switching	Switch between Chinese and English
	Inverted display/forward display switching	Forward/reverse display of display screen
	reset	Device reset
set up	Operation effect	SH0-SH5(SH0 random effect)

	operational mode	DMX, automatic, voice control
	DMX address	001-512
	Channel mode	Standard 13/15CH
	Voice-activated sensitivity	0-100
	X inversion	Off, on
	Y inversion	Off, on
	XY exchange	Off, on
	No DMX signal	Clear, keep
	Constant on time of screen	Always on, 10S,20S,40S,60S
	screen intensity	20%，40%，60%，80%，100%
	Restore default settings	Confirm, cancel
manual	X	000-255
	X fine tuning	000-255
	Y	000-255
	Y fine tuning	000-255
	XY speed	000-255
	aiming	000-255
	stroboscopic	000-255
	Color wheel	000-255
	Pattern disk	000-255
	Prism, rotating	000-255
	rainbow	000-255
	Self-propelled/voice control	000-255
	reset	000-255
	Lamp strip	000-255
	Speed of light strip	000-255
system	DMX channel detection	X
		X fine tuning
		Y
		Y fine tuning
		XY speed
		aiming
		stroboscopic
		Color wheel
		Pattern disk
		Prism, rotating
		rainbow
		Self-propelled/voice control

		reset
		Lamp strip
		Speed of light strip
	System error record	error logging
	LED temperature	Temperature display
	DP	version number
	MT	version number
senior	Enter password	Up, down, up and down.
	Sensor monitoring	X-axis hall state
		Y-axis hall state
		Hall state of color wheel
		Hall state of pattern disk
		Prism hall state
		rainbow hall state
	Reset calibration	X-axis calibration 000-255
		Y-axis calibration 000-255
		Color wheel calibration 000-255
		Pattern disk calibration 000-255
		Prism calibration 000-255
		rainbow calibration 000-255
	Color zero calibration of	On/off
	Maximum power of LED	000-255 (keep factory settings)
	Maximum temperature of LED	50-80 (keep factory settings)
	Rainbow stroke	000-255 (keep factory settings)

DMX channel control content

[DMX1] Detailed description of 15-channel mode, receiving DMX512 international standard signal.

passage		numerical value	functional description
1	X axis	000-255	The horizontal shaft runs 0-540 degrees.
2	X-axis fine tuning	000-255	Horizontal fine-tuning fretting
3	Y axis	000-255	The vertical axis runs 0-200 degrees.
4	Y axis fine tuning	000-255	Vertical fine-tuning fretting

5	XY speed	000-255	Horizontal/vertical speed from fast to slow
6	Total dimming	000-255	Linear dimming, brightness 0-100%
7	Turn on/strobe	000-009	Closed light
		010-249	The strobe speed is from slow to fast, 1-20Hz.
		250-255	consecrate
8	colour	000-009	white light
		010-079	Colors 1-7
		080-139	Half color effect 1-6
		140-197	The color wheel rotates forward, and the speed is fast to slow.
		198-255	The color wheel is reversed and the speed is slow to fast.
9	pattern	000-005	Circular white light
		006-071	Patterns 1-11
		072-143	Pattern 11-1 dithers, and the speed changes from slow to fast.
		144-199	The pattern rotates forward, and the speed is from fast to slow.
		200-255	The pattern rotates in reverse, and the speed changes from slow to fast.
10	prism	000-099	Prism off
		100-127	18 prism open
		128-255	The prism rotates 360, and the speed changes from slow to fast.
11	Colorful	000-126	Colorful closing
		127-255	Colorful open
12	Self-propelled/voice control	000-029	1-11 channels are valid.
		030-059	Self-propelled mode 1
		060-089	Self-propelled mode 2
		090-119	Self-propelled mode 3
		120-149	Self-propelled mode 4
		150-179	Voice control mode 1
		180-209	Voice control mode 2
		210-239	Voice control mode 3
		240-255	Voice control mode 4
13	reset	000-020	No function
		021-100	Automatic detection of x-axis
		101-200	Y axis automatic detection
		201-249	XY axis automatic detection
		250-255	Wait for 3 seconds, and the lamps will be reset.

14	Light strip scene	000-004	Light strip off
		005-074	Color selection of light strip
		075-248	Selection of light strip effect
		249-255	Random effect of light strip
15	Scene speed	000-255	Speed from fast to slow (valid at 14: 075-248)

［DMX 2］13-channel mode detailed description, receiving DMX512 international standard signal.

passage		numerical value	functional description
1	X axis	000-255	The horizontal shaft runs 0-540 degrees.
2	Y axis	000-255	The vertical axis runs 0-200 degrees.
3	XY speed	000-255	Horizontal/vertical speed from fast to slow
4	Total dimming	000-255	Linear dimming, brightness 0-100%
5	Turn on/strobe	000-009	Closed light
		010-249	The strobe speed is from slow to fast, 1-20Hz.
		250-255	consecrate
6	colour	000-009	white light
		010-079	Colors 1-7
		080-139	Half color effect 1-6
		140-197	The color wheel rotates forward, and the speed is fast to slow.
		198-255	The color wheel is reversed and the speed is slow to fast.
7	pattern	000-005	Circular white light
		006-071	Patterns 1-11
		072-143	Pattern 11-1 dithers, and the speed changes from slow to fast.
		144-199	The pattern rotates forward, and the speed is from fast to slow.
		200-255	The pattern rotates in reverse, and the speed changes from slow to fast.
8	prism	000-099	Prism off
		100-127	18 prism open
		128-255	The prism rotates 360, and the speed changes from slow to fast.
9	Colorful	000-126	Colorful closing

		127-255	Colorful open
10	Self-propelled/voice control	000-029	1-11 channels are valid.
		030-059	Self-propelled mode 1
		060-089	Self-propelled mode 2
		090-119	Self-propelled mode 3
		120-149	Self-propelled mode 4
		150-179	Voice control mode 1
		180-209	Voice control mode 2
		210-239	Voice control mode 3
		240-255	Voice control mode 4
11	reset	000-020	Nonfunctional
		021-100	Automatic detection of x-axis
		101-200	Y axis automatic detection
		201-249	XY axis automatic detection
		250-255	Wait for 3 seconds, and the lamps will be reset.
12	Light strip scene	000-004	Light strip off
		005-074	Color selection of light strip
		075-248	Selection of light strip effect
		249-255	Random effect of light strip
13	Scene speed	000-255	Speed from fast to slow (valid at 14: 075-248)

General troubleshooting	
Lamps can't start normally.	1. Check the power cord for problems. 2. Check whether the power fuse is blown. 3. Check whether the switching power supply of lamps and lanterns has voltage output (multimeter) 4. Check the motherboard for voltage input (multimeter)
Lamps and lanterns can emit light normally, but they are not controlled by DMX controller.	1. Check whether the DMX starting address of lamps and lanterns is set correctly. 2. Check whether the DMX cannon seat of the lamp is damaged. 3. Rule out the first and second, and then try connecting another desk lamp with the same console. If it is normal, there is something wrong with the motherboard of the desk lamp.
Lamps and lanterns work intermittently.	1. Check whether the fan works normally and whether the dust blocks the fan and the fan net. 2. Check whether the LED light of the switching voltage output port is flashing, and the switching power supply is damaged or there are sundries in it, resulting in short circuit. 3. Abnormal circuit board causes

The LED is not on.	1. Check whether the LED lamp bead is damaged. 2. Check whether the connecting wires at both ends of the LED lamp bead are loose. 3. Check the positive and negative LED lamp beads and whether there is voltage input (multimeter).
The light is dim and the brightness drops obviously.	1. Check whether the internal and external optical systems are clean.
The shaking light is out of step.	1. Signal interference can also be caused. Rule out whether the ground end of the signal line is broken. 2. Program exception causes 3. Abnormal motor causes 4. The IC of the motherboard burned out.