SOLARIS

true color

Integra | 13

pro stage interated bar

USER MANUAL



Version 1.0

AUTO SOUND DMX 512 LED

Unpacking Instructions

Read Manual before Operation

Dear user,

Thanks for choosing our LED device, believing this brand new product will bring you unlimited marvel and happiness. Before operating this device, please read this manual thoroughly, and retain it for future reference.

Warning Data

Please note the warnings in bold which will ensure the safe and smooth operation. These warnings are important to a certain extent.

Attention! Indicates a skill or other useful information for special situations.

Important! Indicates important information to protect personnel from incident or injury.

Caution! Prevent damage or injury from incorrect operation.

Warning!

If the external flexible cable or cord of this luminaire is damaged, itshall be replaced by a special cord o r cord exclusively available from the manufactureror his service agent. Shields, lenses or ultraviolet screens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.

The lamps shall be changed if it has become damaged or thermally deformed.

Unpacking Instructions

As receiving a fixture, carefully unpacking the carton, checking contents to ensure that all parts are in good condition. Informing the shipper immediately and retaining packing material for inspection if any parts damaged from shipping or device damaged. Keeping packing materials as evidence for shipper's confirmation.

Attention!

This unit is in perfect condition before delivery, please check all accessories when unpacking the unit. User should follow this user manual to operate this unit, and make sure that you are clear on all laser safety information and unit operation before power it on. Any wrong operation will make this unit out of warranty.

Carefully moving after receiving it, checking whether there is any damage from shipping, and all the accessories in it.

NAME	QTY
LED system	1
Power Cord	1
User manual	1
Packing Case	1

Safety Instructions

Safety Instructions

To protect the environment, please try to recycle the packing material as much as possible.

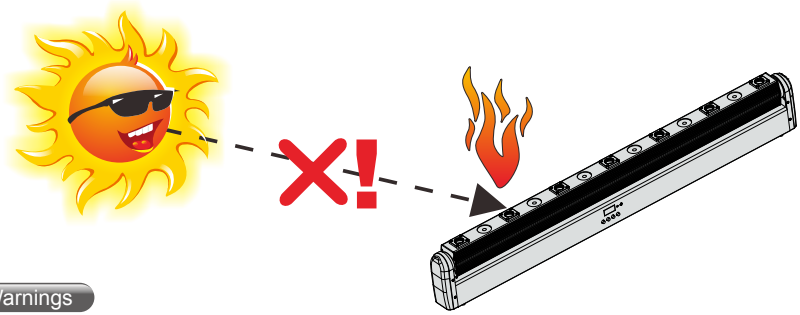
The projector is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other fluids, or metallic objects

Don't throw this product away just as general trash, please deal with the product follow the abandon electronic product regulation in your country.

Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 20cm from surrounding walls

- To avoid condensation to be formed inside, allow this unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance or may even cause damages
- Don't cover any ventilation openings as this may result in overheating.
- Don't install it on flammable object.
- Don not use it when maximum ambient temperature is higher than 40 degree,
- Unplug the unit when it is not used for a longer time or before replacing the bulb.
- Don't open the top cover to avoid unit damage.
- Please use the original packing when the device is to be transported.

Never expose the lens to direct sunlight, even for a short period, This may damage the light effect or even cause fire!



Safety Warnings

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.

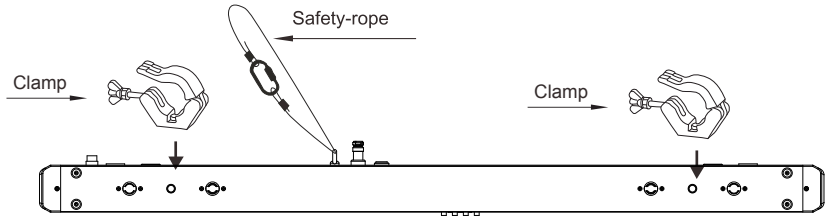
Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.

Overhead Rigging

Attention! The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and /or damage to property. Overhead rigging required extensive experience! Working load limits should be respected, Certified installation materials should be used, the installed device should be inspected regularly for safety.

- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed at least 20cm from surrounding walls
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- The device should be well fixed; a free swinging mounting is dangerous and may not be considered!
- Do not cover any ventilation opening as this may result in overheating
- Before the first time use, it must be inspected by professional staff to make sure safety, inspection regularly every year.

Before rigging make sure that installation area can hold the 10 times weight of device. Using the steel rope which can hold 12 times weight of device, through the eye-bolt for assisting hang installment.



AC Power

Please use the attached power, note that power voltage and frequency are the same as the marked voltage and frequency of device when connecting power. Every device's power should be connected separately, so that device can be controlled individually.

Cable spec:

Cable(EU)	Cable(US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Yellow/Green	Earth	⏚

Product Installation

DMX-512 connection

- Connection between lights and DMX must use the shied cable of diameter more than 0.5mm. Please use the attached 3 pin XLR plug/socket to connect the DMX output/input interface. The connection between socket and cable as below(note the plug/socket's 3 pin number and position).

DMX−output
XLR mounting−sockets(rear view):



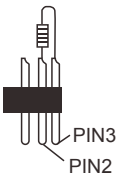
1−Shield
2−Shield(−)
3−Shield(+)

DMX−input
XLR mounting−plugs(rear view):

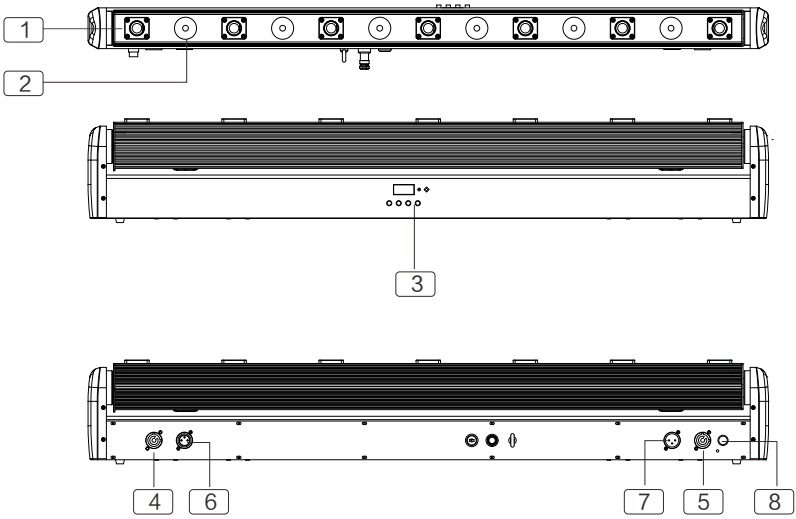


- Note, XLR plug/socket's 3pin can not be touched by inner hull, connection between pins is not allowed. Except above connection, XLR plug/socket can not be connected with XLR control line. Device receives international standard DMX512(1990) control signal.

- When using standard DMX512 control signal, the last device's output interface must be connected to a DMX plug. This plug is putting a 120 ohm resistance between "canon" plug's 2 pin and 3 pin. Showing as below pic. Sticking this plug into the last device's signal output interface, it will avoid the interference during the process of signal transmission.



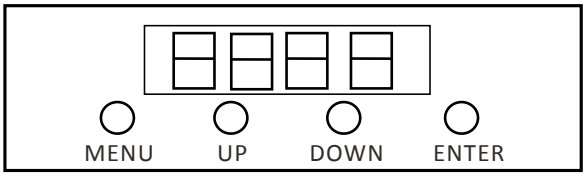
Operation instructions



NO	Name	Function
1	Laser aperture	Single Red: 638nm/200mW or Single Green: 520nm/100mW or Single Blue: 450nm/500mW
2	LED aperture	3W Golden LED chips with small angle lense (3200K/7°
3	LED Display	For setting modes
4	Power output	Power output socket
5	Mains input	Mains power input with socket and integrated fuse holder
6	DMX Output	3PIN female XLR interface, for DMX connection
7	DMX Input	3PIN male XLR interface, for DMX connection
8	FUSE	FUSE

Menu operating instruction

The keys description:



Button	Function
MENU	Mode / Upper menu
ENTER	Confirm / Sub menu
UP	Move up / +
DOWN	Move down / -

Menu operating instruction

The firmware version displays on the first screen.

AUT	-LAS	LA01-LA06	S.01 – S.99: Chase speed from slow to fast S.01 – S.99: rotating speed from slow to fast	Press ENTER to save
	-LED	LE01-LE07		
	-MIX	LL01-LL06		
	-AUT	AUTO		
SOU	-LAS			Press ENTER to save
	-LED			
	-MIX			
	-SOU			
MAN	MANU		L.000-L.255: LEDs brightness	Press ENTER to Next
			S.001-S.098: LEDs strobe S.099: LEDs solid on S. 100: LEDs active by sound	Press ENTER to Next
			r.000-r.255: Red laser brightness g.000-g.255: Green laser brightness b.000-b.255: Blue laser brightness	Press ENTER to Next
			F.001-F.098: Laser beams strobe F.099: Laser beams solid on F. 100: Laser beams strobe activated by sound	Press ENTER to Next
			n.001-n.099: rotating speed from slow to fast	Press ENTER to save
DMX	06CH(d001-d507) 11CH(d001-d502) 30CH(d001-d483) 34CH(d001-d479) 37CH(d001-d476)			Set the DMX channel Modes and press ENTER to Next
	dXXX		d 001-dxxx	Set the starting address, Press MENU to go upper menu and press ENTER to Next
SLA	SLAV		S. 001 to S. 255	Press ENTER to save
SYS	M-EN		Enable or disable the Master/Slave signal	Press ENTER to save
	RSET		Reset the default settings	Press ENTER to reset the default settings
	STAR		Set the rotating position	Press ENTER to save

Channel assignment

6 CH Model:

Channel	Value	Functional description
CH 1	000-009	Blackout
	010-039	Auto Laser&LED chase
	040-069	Auto Laser chase
	070-099	Auto LED chase
	100-129	Auto mixed show
	130-159	Sound Laser&LED show
	160-189	Sound Laser show
	190-209	Sound LED show
	210-255	Sound mixed show

Auto LED &Laser show Mode

Channel	Value	Functional description
CH 2	000-039	Auto LED &Laser shows 1
	040-079	Auto LED &Laser shows 2
	080-119	Auto LED &Laser shows 3
	120-159	Auto LED &Laser shows 4
	160-199	Auto LED &Laser shows 5
	200-255	Auto LED &Laser shows 6
CH 3	0-255	Show speed
CH 4	0-250	Motor position
	251-255	Rotating between the starting positon and the end position
CH 5	0-255	Position fine adjustment
CH 6	0-255	Rotating speed(0 is stop)

Channel assignment

Auto Laser show Mode

Channel	Value	Functional description
CH 2	000-039	Auto Laser shows 1
	040-079	Auto Laser shows 2
	080-119	Auto Laser shows 3
	120-159	Auto Laser shows 4
	160-199	Auto Laser shows 5
	200-255	Auto Laser shows 6
CH 3	0-255	Show speed
CH 4	0-250	Motor position
	251-255	Rotating between the starting positon and the end position
CH 5	0-255	Position fine adjustment
CH 6	0-255	Rotating speed(0 is stop)

Auto LED show Mode

Channel	Value	Functional description
CH 2	000-039	Auto LED shows 1
	040-079	Auto LED shows 2
	080-119	Auto LED shows 3
	120-159	Auto LED shows 4
	160-199	Auto LED shows 5
	200-239	Auto LED shows 6
	240-255	Auto LED shows 7
CH 3	0-255	Show speed
CH 4	0-250	Motor position
	251-255	Rotating between the starting positon and the end position
CH 5	0-255	Position fine adjustment
CH 6	0-255	Rotating speed(0 is stop)

Auto Mixed show Mode

Channel	Value	Functional description
CH 3	0-255	Show speed
CH 4	0-250	Motor position
	251-255	Rotating between the starting positon and the end position
CH 5	0-255	Position fine adjustment
CH 6	0-255	Rotating speed(0 is stop)

Channel assignment

11CH Model:

Channel	Value	Functional description
1	000-255	All LEDs brightness
2	000-002	LED No Strobe
	003-249	LED Strobe from slow to fast
	250-255	LED Strobe activated by sound
3	000-255	All red lasers brightness
4	000-002	No Strobe
	003-249	Red lasers strobe from slow to fast
	250-255	Red lasers Strobe activated by sound
5	000-255	All green lasers brightness
6	000-002	Green lasers No Strobe
	003-249	Green lasers strobe from slow to fast
	250-255	Green lasers Strobe activated by sound
7	000-255	All blue lasers brightness
8	000-002	Green lasers No Strobe
	003-249	Blue lasers strobe from slow to fast
	250-255	Blue lasers Strobe activated by sound
9	0-250	Motor position
	251-255	Rotating between the starting positon and the end position
10	0-255	Position fine adjustment
11	0-255	Rotating speed from slow to fast

30CH Mode:

Channel	Value	Functional description
1	000-255	1st LED brightness
2	000-255	2nd LED brightness
3	000-255	3rd LED brightness
4	000-255	4th LED brightness

Channel assignment

30CH Mode:

Channel	Value	Functional description
5	000-255	5th LED brightness
6	000-255	6th LED brightness
7	000-255	Red brightness of 1st RGB Laser beam
8	000-255	Red brightness of 2nd RGB Laser beam
9	000-255	Red brightness of 3rd RGB Laser beam
10	000-255	Red brightness of 4th RGB Laser beam
11	000-255	Red brightness of 5th RGB Laser beam
12	000-255	Red brightness of 6th RGB Laser beam
13	000-255	Red brightness of 7th RGB Laser beam
14	000-255	Green brightness of 1st RGB Laser beam
15	000-255	Green brightness of 2nd RGB Laser beam
16	000-255	Green brightness of 3rdRGB Laser beam
17	000-255	Green brightness of 4th RGB Laser beam
18	000-255	Green brightness of 5th RGB Laser beam
19	000-255	Green brightness of 6th RGB Laser beam
20	000-255	Green brightness of 7th RGB Laser beam
21	000-255	Blue brightness of 1st RGB Laser beam
22	000-255	Blue brightness of 2nd RGB Laser beam
23	000-255	Blue brightness of 3rd RGB Laser beam
24	000-255	Blue brightness of 4th RGB Laser beam
25	000-255	Blue brightness of 5th RGB Laser beam
26	000-255	Blue brightness of 6th RGB Laser beam
27	000-255	Blue brightness of 7th RGB Laser beam
28	0-250	Motor position
	251-255	Rotating between the starting positon and the end position
29	0-255	Position fine adjustment
30	0-255	Rotating speed from slow to fast

34CH Mode:

Channel	Value	Functional description
1	0-255	1st LED brightness
2	0-255	2nd LED brightness

Channel assignment

34CH Mode:

Channel	Value	Functional description
3	000-255	3rd LED brightness
4	000-255	4th LED brightness
5	000-255	5th LED brightness
6	000-255	6th LED brightness
7	000-127	All LEDs brightness
	128-249	All LEDs strobe from slow to fast
	250-255	All LEDs strobe activated by sound
8	000-255	Red brightness of 1st RGB Laser beam
9	000-255	Red brightness of 2nd RGB Laser beam
10	000-255	Red brightness of 3rd RGB Laser beam
11	000-255	Red brightness of 4th RGB Laser beam
12	000-255	Red brightness of 5th RGB Laser beam
13	000-255	Red brightness of 6th RGB Laser beam
14	000-255	Red brightness of 7th RGB Laser beam
15	000-127	All red lasers brightness
	128-249	All red laser strobe from slow to fast
	250-255	All red lasers strobe activated by sound
16	000-255	Green brightness of 1st RGB Laser beam
17	000-255	Green brightness of 2nd RGB Laser beam
18	000-255	Green brightness of 3rdRGB Laser beam
19	000-255	Green brightness of 4th RGB Laser beam
20	000-255	Green brightness of 5th RGB Laser beam
21	000-255	Green brightness of 6th RGB Laser beam
22	000-255	Green brightness of 7th RGB Laser beam
23	000-127	All green lasers brightness
	128-249	All green lasers strobe from slow to fast
	250-255	All green lasers strobe activated by sound
24	000-255	Blue brightness of 1st RGB Laser beam
25	000-255	Blue brightness of 2nd RGB Laser beam
26	000-255	Blue brightness of 3rd RGB Laser beam

Channel assignment

34CH Mode:

Channel	Value	Functional description
27	000-255	Blue brightness of 4th RGB Laser beam
28	000-255	Blue brightness of 5th RGB Laser beam
29	000-255	Blue brightness of 6th RGB Laser beam
30	000-255	Blue brightness of 7th RGB Laser beam
31	000-255	All blue lasers brightness
	000-127	All blue lasers strobe from slow to fast
	128-249	All blue lasers strobe activated by sound
32	250-255	Motor position
	251-255	Rotating between the starting positon and the end position
33	0-255	Position fine adjustment
34	0-255	Rotating speed from slow to fast

37CH Mode:

Channel	Value	Functional description
1	000-255	1st LED brightness
2	000-255	2nd LED brightness
3	000-255	3rd LED brightness
4	000-255	4th LED brightness
5	000-255	5th LED brightness
6	000-255	6th LED brightness
7	000-127	All LEDs brightness
	128-249	All LEDs strobe from slow to fast
	250-255	All LEDs strobe activated by sound
8	000-255	Red brightness of 1st RGB Laser beam
9	000-255	Red brightness of 2nd RGB Laser beam
10	000-255	Red brightness of 3rd RGB Laser beam
11	000-255	Red brightness of 4th RGB Laser beam
12	000-255	Red brightness of 5th RGB Laser beam
13	000-255	Red brightness of 6th RGB Laser beam
14	000-255	Red brightness of 7th RGB Laser beam

Channel assignment

37CH Mode:

Channel	Value	Functional description	
15	000-127	All red lasers brightness	
	128-249	All red laser strobe from slow to fast	
	250-255	All red lasers strobe activated by sound	
16	000-255	Green brightness of 1st RGB Laser beam	
17	000-255	Green brightness of 2nd RGB Laser beam	
18	000-255	Green brightness of 3rdRGB Laser beam	
19	000-255	Green brightness of 4th RGB Laser beam	
20	000-255	Green brightness of 5th RGB Laser beam	
21	000-255	Green brightness of 6th RGB Laser beam	
22	000-255	Green brightness of 7th RGB Laser beam	
23	000-127	All green lasers brightness	
	128-249	All green lasers strobe from slow to fast	
	250-255	All green lasers strobe activated by sound	
24	000-255	Blue brightness of 1st RGB Laser beam	
25	000-255	Blue brightness of 2nd RGB Laser beam	
26	000-255	Blue brightness of 3rd RGB Laser beam	
27	000-255	Blue brightness of 4th RGB Laser beam	
28	000-255	Blue brightness of 5th RGB Laser beam	
29	000-255	Blue brightness of 6th RGB Laser beam	
30	000-255	Blue brightness of 7th RGB Laser beam	
31	000-127	All blue lasers brightness	
	128-249	All blue lasers strobe from slow to fast	
	250-255	All blue lasers strobe activated by sound	
32	000-009	N/A	
	010-039	Auto LED &Laser show mode	1-31 Channel are not available under these modes.
	040-069	Auto Laser show mode	
	070-099	Auto LED show mode	
	100-129	Auto Mixed show mode	
	130-159	Sound LED &Laser show mode	

Channel assignment

37CH Mode:

Channel	Value	Functional description	
32	160-189	Sound Laser show mode	1-31 Channel are not available under these modes.
	190-209	Sound LED show mode	
	210-255	Sound Mixed show mode	
33	0-255	Refer the CH2 description of 6CH channel mode	
34	0-255	Show speed	
35	0-250	Motor position	
	251-255	Rotating between the starting positon and the end position	
36	0-255	Position fine adjustment	
37	0-255	Rotating speed from slow to fast	

Product parameter

Laser power	(R:200/G:100/B:500)mW×7pcs
Laser class	3B/4
Rate LED power	3W 3000K LED×6pcs
LED Beam angle	7°
Connectors	3 Pin XLR DMX in/out
Power input	100-240V 50/60Hz
Power linking	Powercon connectors
Product Dimensions	1000*145*60mm
Weight	5.45Kg

Product size

