

Mini stage 7 series lighting

Instruction manual

HSA711

HSA716

HSA730

HSA731

i.Outline

7 series A product is one of the mini stage series, It can be used as a hanging light, also can used as a ceiling light by replacing the handle with a ceiling panel. The light has built-in 4 buttons and a display digital tube, a cable holder for 1 input and 1 output, a three-core caron seat for 1 input and 1 output (optional), AC100-240V wide voltage input. The 7 Series A product currently have 4 products developed, which are easy to control, easy to operate, small and exquisite appearance, stylish and practical, and rich in light effects and dynamic. You can choose a single one to use, also can combine any of them according to your preference.

Application fields

Homes, villas, hotels, bars, KTV rooms, shopping malls, leisure venues, multi-function halls...

Suitable for birthday parties, family gatherings, personal enjoyment, gifts, atmosphere creation, advertising solicitation...

ii.Features

- 1. Small size, light weight, exquisite appearance, streamlined modern style, in line with the public aesthetic concept.
- 2. Low power consumption; Energy saving, using high-quality laser or LED as a light source, high brightness and durability.
- 3. With many different effects, Multiple forms of mechanical motion, move or stop, fast or slow.
- 4. Air isolation, great heat dissipation, reasonable construction design, low noise fan

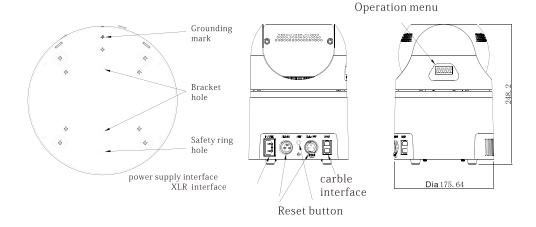
output

and prolong its working life. It's recommended to clean the light with lint-free cloth and high-quality glass cleaner. Do not clean with alcohol or chemical solvents When the light doesn't work, please contact professional person to repair it. Do not disassemble it by yourself.

to assist air convection.

- 5. Strong and durable, using high quality ABS plastic, good abrasion resistance, chemical stability, electrical and mechanical strength.
- 6. Surface color and gobo can be customized. Can form rich color gorgeous appearance, and make it match with different external environment.
- 7. Unique assembly structure design, simple installation, can be installed by hanging or ceiling.
- 8. The network cable acts as a DMX signal transmission line, and the light is provided with a plug-in and a network cable socket, which can conveniently realize the mutual string of signals.
- 9. Multiple styles and choice. Operation by unit or multiples matching various combination, with different control system such as DMX control, Tablet PC, and smart phone. It's possible to be a DIY lighting master.
- 10. A wide range of applications for different occasions.
- 11. Elegant package both as electronic consumption product and as a GIFT.

iii.Lighting structure introduction



Safety information and precautions

Thank you for using our products, the high quality products and perfect service will make you satisfied. For your safety and the better play of the lighting function, please read the User's Manual carefully before your operation.

In order to install, operate, maintain the lighting safely, we recommend to install and operate the light by qualified professional technicians in accordance with the instructions in this manual.

1. Important safety warning



Warning: Remember to cut off the power when not using the light

	CH11	0-255	Use with CH10,speed adjust ,the bigger value ,the faster
	CH12	0—255	Manual control focusing 9-55°
	CH13	0-30	No function
		31-100	Self-propelled mode 1 (fast
			self-propelled)
		101-170	Self-propelled mode 2 (slow
			self-propelled)
		171-255	Sound mode
	CU14	0-248	No function
	CH14	249-255	Reset (stay for 3 seconds)

vii.Lighting packaging

1 Package

Packing: This series of products are made of K2K corrugated reinforcing paper, which is made of high-density molded foam.

Outer packing: K-shaped corrugated paper for outer carton, with 4pcs per carton

2 Packing contents:

7 series B light 1pc

Hanging handle 1pc, Handle knob 2pcs, Rubber gaskets 2pcs, Safety rope 1pc, Safety ring 1pc.

a) Clearing and maintenance:

Please disconnect the power before disassemble and maintain the light. It's important to keep the light clean which can maintain the maximum brightness

		0-7	No function
		8-76	Mechanical strobe effect from slow to
			fast
	CH4	77-145	Electronic strobe effect from slow to
			fast
		146-215	Random strobe effect from slow to fast
		216-255	Strobe off ,the light on
	CH5	0-255	Total dimming 0-100%
	CH6	0-255	Red dimming 0-100%
	CH7	0-255	Green dimming 0-100%
	CH8	0-255	Blue dimming 0-100%
	CH9	0-255	White dimming 0-100%
		0-10	No effect
		11-20	Red
		21-30	Green
		31-40	Blue
		41-50	White
		51-60	Yellow
		61-70	Cyan
		71-80	Light blue
	CH10	81-90	Purple
	CHIO	91-100	Light green
		101-110	Pink
		111-120	Lavender
		121-130	Bright cyan
		131-140	Orange
		141-150	All-white
		151-200	7 color jump
		201-240	7 colors change
		241-255	4096 color infinite gradient

2. Precautions

Packing content:

Please check if all the contents are completed after unpacking , then, check if the light is undamaged. Please keep the original package and return to the factory if it's damaged.

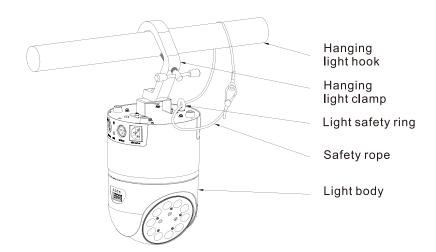
Check if the voltage is in accordance with the rated power.

All the safety should be taking into consideration before and during operation and installation:

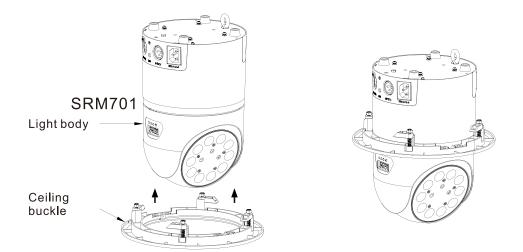
- 1. Open the carton, take all the accessories from it, and open the Polystyrene packaging, take out the lighting and check whether it's damaged.
- 2. Only the professional person can repair and operate the lighting under the instruction of the manual.
- 3. This product for indoor use only. The protection rating is IP20. Please keep the light far away from the water or other liquid.
- 4. The light must keep dry and avoid to use under the moisture, overheat or dusty environment.
- 5. Make sure the normal and stable work environment temperature of this lighting not exceed 40°C , the lowest temperature not exceed -20°C .
- 6. Do not touch the light while it is working under steady heat dissipation working conditions.
- 7. There is not any replaceable spare parts inside the light, do not use the light when the housing cover is opened.

iv.Installation guide

1. Light hanging handle installation

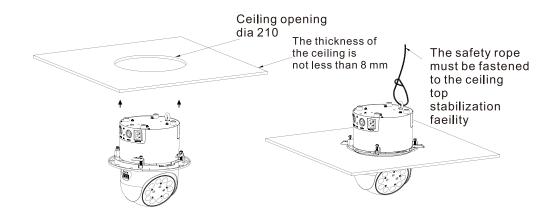


2.Celling buckle installation:



		141-150	All-white
		151-200	7 color jump
		201-240	7 colors change
		241-255	4096 color infinite gradient
	CU11	0-255	Use with CH10,adjust the speed ,the
	CH11		bigger value ,the faster
		0-8	No function
	CH12	9-240	Laser strobe on ,the bigger value ,the
	CHIZ	9-240	faster
		241-255	Strove off ,the light on
		0—139	Manually control the lens disc to rotate
		0—133	0-360°
	CH13	140-195	Lens auto forward rotate, the bigger
		140-193	value, the slower
		196-255	Lens auto reverse rotate, the bigger
		190-233	value, the faster
		0-30	No function
		31-100 101-170	Self-propelled mode 1 (fast
	CH14		self-propelled)
	CHIT		Self-propelled mode 2 (slow
			self-propelled)
		171-255	Sound mode
	CH15	0-249	No function
	C1113	250-255	Reset (stay for 3 seconds)
Mode	Channel	Channel	Description of channel function
		value	-
	CH1	0-255	Pan rotation 0-540°
HSA731	CH2	0-255	Tilt rotation 0-150°
1.0, 1, 01	CH3	0-255	X / Y speed, the bigger value ,the
	СПЗ	0 233	slower

		value	
	CH1	0-255	Pan rotation 0-540°
	CH2	0-255	Tilt rotation 0-150°
	CH3	0-255	X / Y speed ,the bigger value ,the faster
		0-7	No function
		8-76	Mechanical strobe effect from slow to
			fast
	CH4	77-145	Electronic strobe effect from slow to
		77-143	fast
		146-215	Random strobe effect from slow to fast
		216-255	Strobe off ,the light on
	CH5	0-255	Total dimming 0-100%
	CH6	0-255	Red dimming 0-100%
	CH7	0-255	Green dimming 0-100%
	CH8	0-255	Blue dimming 0-100%
HSA730	CH9	0-255	White dimming 0-100%
		0-10	No effect
		11-20	Red
		21-30	Green
		31-40	Blue
		41-50	White
		51-60	Yellow
	CH10	61-70	Cyan
	CITO	71-80	Light blue
		81-90	Purple
		91-100	Light green
		101-110	Pink
		111-120	Lavender
		121-130	Bright cyan
		131-140	Orange



v.CONNECTION OF POWER SUPPLY AND CONTROL NETWORK CABLE

1. Power suppy connection





Please ensure the power supply is safely grounded Please use the international triangle plug and the suffix power cord Please make sure that the suffix is completely

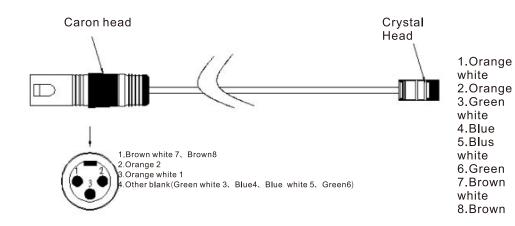
Please make sure that the suffix is completely inserted into the lights socket.

- 2. network cable instructions and the conversion between the cable and the XLR.
- The light adopts 1 input and 1 output of the network cable seat, and the 3 pin 1 input and 1 output as the DMX signal control connection mode, and the connection method of the network cable crystal head is no different from the computer network cable connection method.
- Caron head signal line: Please use the Caron head signal line supporting international standard DMX512 protocol card (the signal line should have shielded ground wire)
- Network interface signal cable: Please use RJ45 crystal connector, wire should use Super Category 5 (CAT5e) and above specifications.
- The transfer of the cable network and XRL or caron head can purchase our network cable conversion box separately, you can also connect the caron plug as shown in the figure.

8

Mode	Channel	Channel	Description of channel function
		249-255	Reset (stay for 3 seconds)
	CH19	0-248	No function
		171-255	Sound mode
			self-propelled)
	0.110	101-170	Self-propelled mode 2 (slow
	CH18	01 100	self-propelled)
		31-100	Self-propelled mode 1 (fast
		0-30	No function
		192-255	Prism reverse auto rotate from slow to fast
	CH17	128-191	Prism forward auto rotate ,from slow to fast
		0-127	0-360 degrees
		128-255	Prism on
	CH16	0-127	Prism off
		216-255	Gobo reverse flow from slow to fast
		160-215	Gobo forward flow from slow to fast
		146-159	Gobo 2 jitters from slow to fast
		133-145	Gobo 3 jitters from slow to fast
		120-132	Gobo 4 jitters from slow to fast
		106-119	Gobo 5 jitters from slow to fast
		93-105	Gobo 6 jitters from slow to fast
		80-92	Gobo 7 jitters from slow to fast
		70-79	Gobo 7
		60-69	Gobo 6
		50-59	Gobo 5
		40-49	Gobo 4
		30-39	Gobo 3

		241-255	4096 color infinite gradient
	CH11	0-255	Use with CH10.adjust the speed ,the
		0-255	bigger value ,the faster
		0-8	No function
		9-33	Gradually fade out strobe effect from
			slow to fast
		24.56	Gradual flashing strobe effect from
		34-56	slow to fast
		57-79	The stroboscopic strobe effect is slow
	CH12	37-79	to fast
	CITZ	80-145	Mechanical strobe effect from slow to
		80-143	fast
		146-179	Electronic strobe effect from slow to
			fast
		180-240	Random asynchronous strobe from
			slow to fast
		241-255	Strobe off ,the light on
	CH13	0-255	Gobo LED dimming 0-100%
		0-9	White light
		10-29	Color 1
		30-49	Color 2
		50-69	Color 3
	CH14	70-89	Color 4
	СП14	90-109	Color 5
		110-129	Color 6
		130-138	Color 7
		139-191	Color forward run flow, fast to slow
		192-255	Color reverse flow ,slow to fast
	CH15	0-9	White light
		10-19	Gobo 1



vi.Description of Lighting function

1. This light uses the button + digital display mode as the operation interface (as shown below):

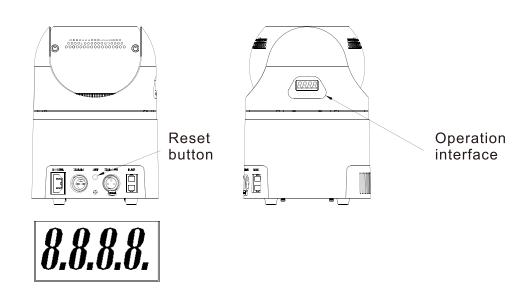
Press the "MENU" button to switch the menu.

Press the "▲" button to adjust the parameters.

Press the "▼" button to adjust the parameters.

Press the "ENTER" button to confirm/save.

Press the "SET" button to lock/unlock the light.



2. The button operation menu is as follows:

▼ ENTER

No.	Menu		Function
		HSA711	DMX512 controller mode, press "▲ / ▼" to adjust the
		HSA731	address code 001-512, press "ENTER" to confirm/save.
			DMX512 console mode, press "▲ / ▼" to adjust the
		HSA730	address code 001-512, press "ENTER" to confirm/save.
			In this mode, press and hold the "MENU" button to
1	d001		enter the lens fine-adjustment (C000-C255), press "A
1	0001		/ $lacksquare$ " to adjust the value, press "ENTER" to save.
		HSA716	DMX512 controller mode, press "▲ / ▼" to adjust the
			address code 001-512, press "ENTER" to confirm/save.
			In this mode, press and hold the "MENU" button to
			enter the fine-tuning of the gobo (G000-G255),
			fine-tuning the color (C000-C255), fine-tuning the

10

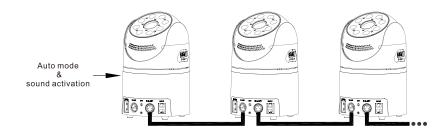
			slower
		0-8	No function
		9-88	Mechanical strobe effect from slow to
			fast
	CH4	89-168	Electronic strobe effect from slow to
			fast
		169-240	Random strobe effect from slow to fast
		241-255	strobe off ,the light on
	CH5	0-255	Total dimming 0-100%
	CH6	0-255	Red dimming 0-100%
	CH7	0-255	Green dimming 0-100%
	CH8	0-255	Blue dimming 0-100%
	CH9	0-255	White dimming 0-100%
		0-10	No effect
		11-20	Red
		21-30	Green
		31-40	Blue
		41-50	White
		51-60	Yellow
		61-70	Cyan
		71-80	Light blue
	CH10	81-90	Purple
		91-100	Light green
		101-110	Pink
		111-120	Lavender
		121-130	Bright cyan
		131-140	Orange
		141-150	All-white
		151-200	7 color jump
		201-240	7 colors change

			value, the faster
		0-8	No function
			Laser strobe on ,the bigger value ,the
	CH12	9-240	faster
		241-255	strobe off ,the light one
	01/10	0-127	Red laser off
	CH13	128-255	Red laser on
	CUIA	0-127	Green laser off
	CH14	128-255	Red laser on
	CU1F	0-127	Blue laser off
	CH15	128-255	Red laser on
		0 122	Manual control the laser grating disk
		0—133	rotation 0-360°
	CH16	134-194	The grating disk auto turns forward,
	CITO		the biggervalue ,the faster
		194-255	The grating disk auto turns reverse, the
			bigger value ,the slower
		0-30	No function
			Calcara Halana In 4 (Cart
	CUAZ	31-100	Self-propelled mode 1 (fast
	CH17	31-100	self-propelled)
	CH17		self-propelled) Self-propelled mode 2 (slow
	CH17	101-170	self-propelled) Self-propelled mode 2 (slow self-propelled)
	CH17		self-propelled) Self-propelled mode 2 (slow self-propelled) Sound mode
		101-170 171-255 0-200	self-propelled) Self-propelled mode 2 (slow self-propelled) Sound mode No function
	CH17 CH18	101-170 171-255 0-200 201-255	self-propelled) Self-propelled mode 2 (slow self-propelled) Sound mode
Mode	CH18	101-170 171-255 0-200 201-255 Channel	self-propelled) Self-propelled mode 2 (slow self-propelled) Sound mode No function Reset (stay for 3 seconds)
Mode		101-170 171-255 0-200 201-255	self-propelled) Self-propelled mode 2 (slow self-propelled) Sound mode No function
Mode	CH18	101-170 171-255 0-200 201-255 Channel value 0-255	self-propelled) Self-propelled mode 2 (slow self-propelled) Sound mode No function Reset (stay for 3 seconds)
Mode HSA716	CH18	101-170 171-255 0-200 201-255 Channel value	self-propelled) Self-propelled mode 2 (slow self-propelled) Sound mode No function Reset (stay for 3 seconds) Description of Channel function

		prism (P000-P255), press "▲ / ▼" to adjust the value,
		press "ENTER" to save.
2 At01		Self-propelled mode 1 (fast self-propelled), press
		"ENTER" to confirm / save, start running after 3
		seconds
		Self-propelled mode 2 (slow self-propelled), press
3	At02	"ENTER" to confirm / save, start running after 3
		seconds
4	Soud	Sound mode, press "ENTER" to confirm/save, start
4	3000	running after 3 seconds
5	Sd00	Sound sensitivity adjustment Sd00-Sd99, press
3	3000	"ENTER" to confirm/save
	Temperature	
	display	
6	(HSA716 does	Real-time display of LED board temperature
	not have this	
	menu)	

SET (reset button) description: The light is in any state. Press and hold "SET" to lock the light (the light returns to the reset state). At this time, the display switches back and forth to display the current menu mode and lock status. At the same time, you can select the menu through the operation panel. After selecting it, press and hold "SET". "unlock.

3. The master-slave function lights DMX signal line is connected in series (Note: the slave address code is unified to d001)



Master-slave connection is limited to online use of the same type of lamp,up to 50 units

4 DMX512 controller control mode connection



5 Channel value table

Model	Channel	Channel value	Description of Channel function
	CH1	0-255	Pan rotation 0-540°
	CH2	0-255	Tilt rotation 0-150°
HSA711	СНЗ	0-255	X / Y regulation, the bigger value ,the slower
	CH4	0-7	No function
12			

	8-76	Mechanical strobe effect from slow to
		fast
	77-145	Electronic strobe effect from slow to
	77 143	fast
	146-215	Random strobe effect from slow to fast
	216-255	strobe off ,the light on
CH5	0-255	Total dimming 0-100%
CH6	0-255	Red dimming 0-100%
CH7	0-255	Green dimming 0-100%
CH8	0-255	Blue dimming 0-100%
CH9	0-255	White dimming 0-100%
	0-10	No effect
	11-20	Red
	21-30	Green
	31-40	Blue
	41-50	White
	51-60	Yellow
	61-70	Cyan
	71-80	Light blue
CU10	81-90	Purple
CH10	91-100	Light green
	101-110	Pink
	111-120	Lavender
	121-130	Bright cyan
	131-140	Orange
	141-150	All-white
	151-200	7 color jump
	201-240	7 colors change
	241-255	4096 color infinite gradient
CH11	0-255	Use with CH10,adjust speed ,the bigger