

Acue[®]Lighting

PROFESSIONAL STAGE LIGHTING

HALO

Spot 100

(RDM, color display, Touch operation)



User's Manual

Chapter 1: Installation, Safety, Maintenance

1.1 Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittent usage will extend this fixtures service life.
- Please clean the fan, fan cover, and optical lens in order to keep in good working condition.
- Do not use alcohol or any other solvent to clean the shell.

1.2 Statement

The product performance and packaging has been tested before shipping. All users should strictly comply with the warning and operating instructions as stated. Any misuse and damage as a result of use outside of the guidelines herein will result in a voided warranty. Any fault or problem caused by neglecting instructions in this manual will not be covered by warranty.

Note: All information is subject to change without prior notice.

1.3 Safety Precaution

- In order to guarantee the product's life, please do not put it in damp places or any environment over 140 degrees.
- Always mount this unit in a safe and stable manner.
- A professional engineer should perform the install or removal of the fixture.
- Please restart 20 minutes after turning off light. The fixture must be cool before restarting. Frequent switching will reduce the life span of LED source and power supply; intermittent usage will improve the life of the fixture.
- In order to make sure the product is used correctly, please read the manual carefully.

1.4 Product Specification

- Light Source: 1pcs * 100W White LED
- Channel mode: 14 DMX512 Channel
- Pan scan: 540°(16bit) Electric correction
- Tilt scan: 270° (16bit) Electric correction
- Color wheel: 7color + white
- Gobo: Fixed Gobo 7 + white, Rotation Gobo 6 + white

- Prism: 3 prism
- 0-100% mechanical dimming, mechanical dimming and free dimming available.
- Power Input: 100-240V, 50/60Hz
- Max Power Consumption: 200W
- IP level: IP20

1.5 Cable connection (DMX)

Use a cable compliant to the specifications of EIA RS-485: 2-pole twisted, shielded, 120 Ohm characteristic impedance, 22-24 AWG. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 pin male/female connectors. A terminating plug must be inserted into the last fixture with a resistance of 120 Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors (ground).

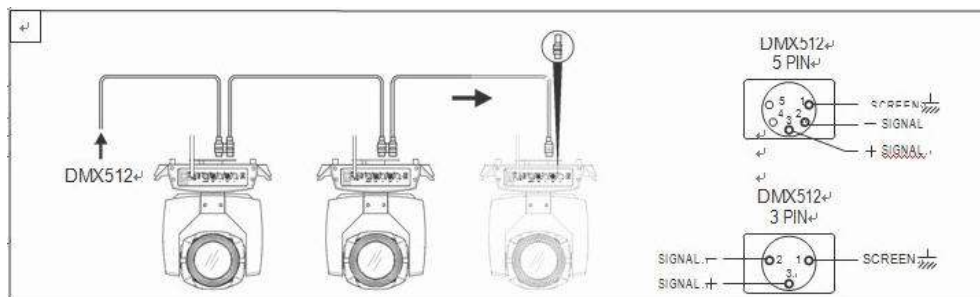


Figure 1 DMX Cable connection

1.6 Rigging (Optional)

This equipment can be positioned and fixed by a clamp in any direction.

Attention! One clamp and one safety cable are needed to attach the equipment safely.

Attention! Fasten a safety cable to the eye-bolt hole under the fixture. The safety cable must never be mounted to the handle or any other part of the fixture.

- Check if the rigging bracket or clamps are damaged before every use. The mounting surface must be able to withstand ten times the weight of the equipment. Make sure the structure and mounting point can withstand ten times the weight of all the equipment installed in same location.

- Mounting screws on the clamp/mounting solution must be tightened firmly.
- Make sure to install safety cable.
- Keep a distance of more than 1M between fixture and any flammable material or lighting source.

Chapter 2. Menu Operation

Within the main menu you can enter 6 sub menus, shown in **Error! Reference source not found.**

Sub menus include class of parameter and status:

- ADDR: Set light DMX address.
- MODE: Set light operation mode: master or slave mode when in auto run mode.
- DISP: Set display parameter, ex. Language select.
- SCENE: Used for manually testing fixture, modifying DMX channel data to test function, or for reference channel functions using DMX table.
- ADVA: Set light running parameter.
- STAT: view current status of fixture.

Address	X	Work Mode	X	Display	X
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <h1 style="margin: 0;">001</h1> </div> 16CH 01.01	<div style="margin-bottom: 5px; text-align: center;">Prev</div> <div style="margin-bottom: 5px; text-align: center;">Next</div> <div style="text-align: center;">Chan</div>	DMX Ctrl		English	
		Auto Run		Screen saver	Mode3
		Sound Ctrl		Screen Rot	Auto
		Scene Mode	Auto	DMX Indicate	Mode3
M/S Choose	Auto	Screen Light	010		

Scene	X	Advanced	X	Status	X
Scene Select	1	Pan Invert	OFF	Stepper info	
Scene Time	0.0s	Tilt Invert		Error Logging	
01.Strobe	000	P/T Rectify		Fixture Status	
02.Dimmer	000	Pan Offset		Version	C3.1.0
03.Pan	000	Tilt Offset		Light time	13:22
04.Tilt	000	Data hold		Total time	15:55

Chapter 3 DMX Channel Chart

Channel table

CHANNEL	NAME	VALUE	DESCRIPTION
CH1	Strobe	0-3	Shutter Closed
		4-127	Slow strobe to fast strobe
		128-191	Slow strobe to fast strobe(mode 2)
		192-251	Slow strobe to fast strobe
		252-255	Shutter Open
CH2	Dimmer	0-255	0-100% Dimmer
CH3	PAN	0-255	0-540
CH4	TITL	0-255	0-270
CH5	XY speed	0-255	Fast to slow
CH6	Color	0-7	White
		8-15	White + Color1
		16-23	Color1
		24-31	Color1 + Color2
		32-39	Color2
		40-47	Color2 + Color3
		48-55	Color3
		56-63	Color3 + Color4
		64-71	Color4
		72-79	Color4 + Color5

		80-87	Color5
		88-95	Color5 + Color6
		96-103	Color6
		104-111	Color6 + Color7
		112-119	Color7
		120-127	Color7 + White
		128-190	Rotate forward (fast to slow)
		191-192	Stop
		193-255	Rotate reverse (slow to fast)
CH7	Static Gobo	0-9	White
		10-19	GOBO1
		20-29	GOBO2
		30-39	GOBO3
		40-49	GOBO4
		50-59	GOBO5
		60-69	GOBO6
		70-79	GOBO7
		80-84	Shake slow to fast GOBO1
		85-89	Shake slow to fast GOBO2
		90-94	Shake slow to fast GOBO3
		95-99	Shake slow to fast GOBO4
		100-104	Shake slow to fast GOBO5
		105-109	Shake slow to fast GOBO6

		110-127	Shake slow to fast GOBO7
		128-190	Rotate forward (fast to slow)
		191-192	Stop
		193-255	Rotate reverse (slow to fast)
CH8	Rotating Gobo	0-9	White
		10-19	GOBO1
		20-29	GOBO2
		30-39	GOBO3
		40-49	GOBO4
		50-59	GOBO5
		60-69	GOBO6
		70-79	Shake slow to fast GOBO1
		80-89	Shake slow to fast GOBO2
		90-99	Shake slow to fast GOBO3
		100-109	Shake slow to fast GOBO4
		110-119	Shake slow to fast GOBO5
		120-127	Shake slow to fast GOBO6
		128-190	Rotate forward (fast to slow)
		191-192	Stop
		193-255	Rotate reverse (slow to fast)
CH9	Gobo ROT	0-127	0-400
		128-190	Rotate forward (fast to slow)
		191-192	Stop

		193-255	Rotate reverse (slow to fast)
CH10	Prism	0-19	None
		20-63	Insert prism
		64-255	Rotate reverse (slow to fast)
CH11	Focus	0-255	Near to far adjust
CH12	PAN Fine	0-255	0-255 Fine pan adjust
CH13	TILT Fine	0-255	0-255 Fine tilt adjust
CH14	Halo light strobe	0-10	Off
		11-249	Slow to fast strobe
		250-255	Opening
CH15	Halo light effect	0-3	OFF
		4-7	R
		8-11	G
		12-15	B
		16-19	R+G
		20-23	G+B
		24-27	R+B
		28-31	R+G+B
		32-59	Mixed color 1
		60-95	Mixed color 2
		96-127	Background
		128-149	Slow to fast gradient
150-199	Slow to fast transition color		

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