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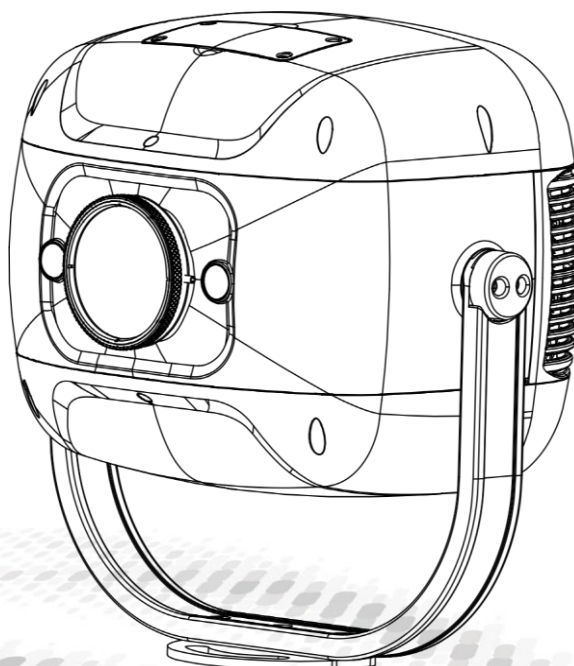
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# E one

## USER MANUAL

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ARCHITECTURAL TECHNOLOGY

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**AG1862**



**MODEL: AG1862SCT**



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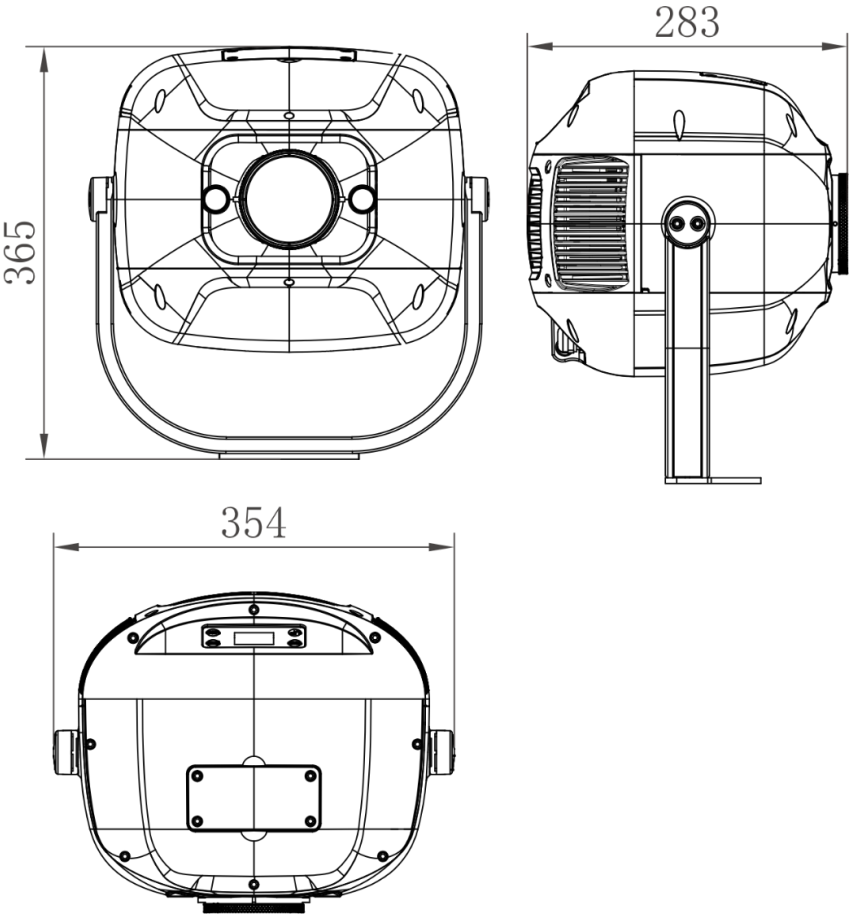
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# 1 PRODUCT

## 1.1 TECHNICAL SPECIFICATIONS

Type	AG1862SCT
Power	400W
Voltage Range	AC100-277V~,50/60Hz
Protection	IP66
Operation Temperature	-20℃~45℃
Dimensions	354x283x365mm
Weight	12KG

## DIMENSION



## 1.2 Safety Notes

### IMPORTANT

- This product must be installed by a qualified professional.
- In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes
- The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

### CAUTION!

- Make sure that the available voltage is not higher than stated on the rear panel.
- Do not touch the power cables if your hands are wet.
- The earth wire must always be connected to the ground. Therefore it is essential to connect the yellow/green conductor to earth.
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time. The electric connection, repairs and servicing must be carried out by a qualified employee.
- Always disconnect power input cable to completely remove power from unit when not in use or before cleaning or servicing the fixture.
- Do not switch the fixture on and off in short intervals as this would reduce the lamp's life.
- Do not touch the device's housing bare hands during its operation (housing becomes hot)! The surface of the product's casing can reach up to 70° C (158° F) during operation. Avoid contact by persons and materials. Do not install the product in a location where there is a risk of accidental contact. Allow the product to cool for at least 10 minutes before handling.
- For replacement use lamps and fuses of same type and rating only.
- Please protect the fixture and avoid destroy during transport and installation. If there is any damage to the coating, the shell may be corroded.
- When hanging lamps and lanterns, it is necessary to verify that facilities and hooks can bear at least 10 times the weight of lamps and lanterns.
- Fix the safety rope at the correct holes only. Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- The maximum ambient temperature 45°C must never be exceeded. Do not operate the product if the ambient temperature (Ta) exceeds 45° C (115° F).

### Electrical Warning

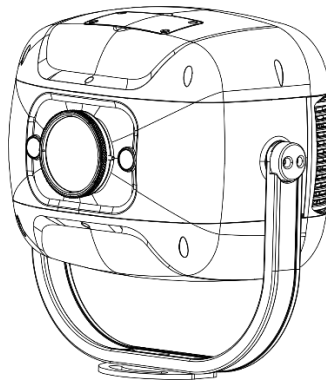
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person

# 2 INSTALLATION

## 2.1 MOUNTING

### HANGING

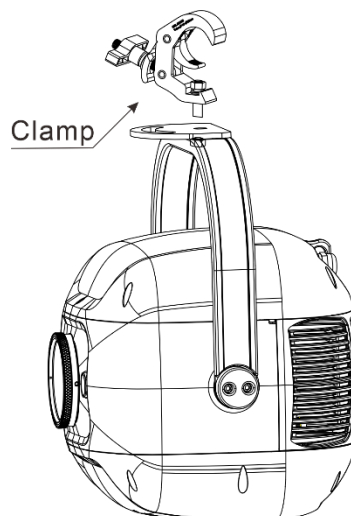
- ◆ You could place the light on the floor. Please make sure the surface is plane and the reliability of the floor is sufficient.
- ◆ Bolt a rigging clamp securely to the mounting yoke. The bolts used must be M12, grade 8.8 steel minimum, and fastened with a self-locking nut.



**Horizontal layout**

### UPRIGHT

- ◆ For overhead use, always install a safety cable that can hold at least 10 times the weight of the fixture.
- ◆ For overhead installation, the fixture must be always secured with a safety wire that can bear at least 10 times the weight of the fixture; Secure the fixture with a safety cable through the rear safety eye as shown.
- ◆ Ensure that the structure (truss) to which you are attaching the fixture is secure



**Hanging layout**

## 2.2 POWER CONNECTIONS

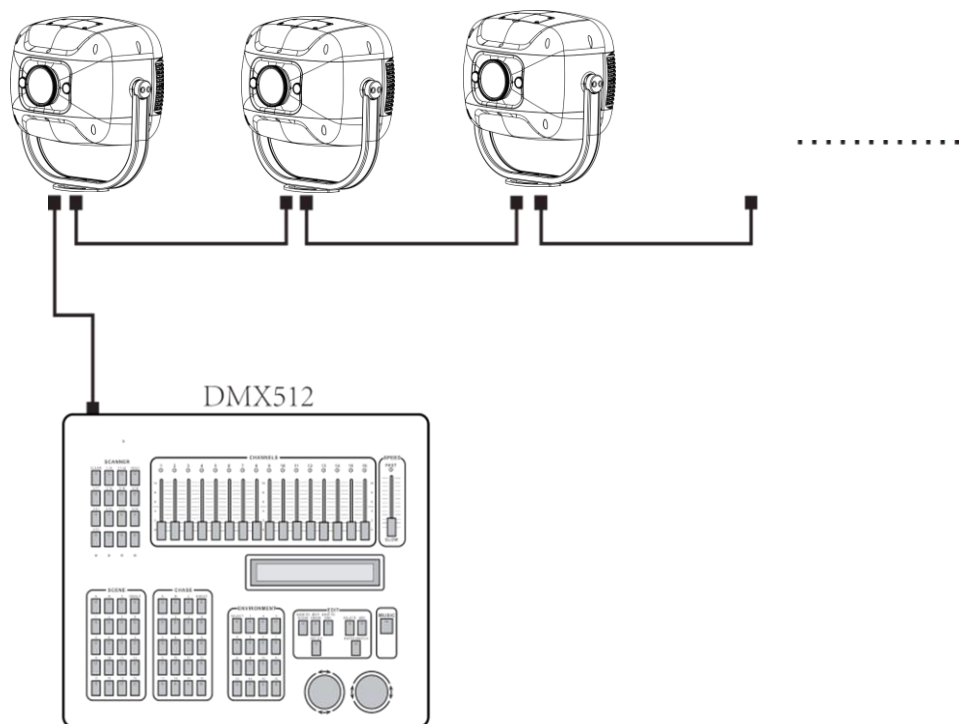
- ◆ This product has an auto-ranging power supply that can work with an input voltage range of 100-277V~,50/60Hz.

AC Plug

Connection	Wire (U.S.)	Wire(Europe)	Screw Color
AC Live	Black	Brown	Yellow/Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

## 2.3 Data network requirements

- ◆ Connect the DMX512 controller to the units in series. A DMX 512 data link is required in order to control the fixture via DMX. The fixture has 3/5-pin XLR connectors for DMX data input and output.
- ◆ Each unit has N DMX channels so the DMX Addresses should increase by increments of 1, (Nx1)+1, (Nx2)+1, (Nx3)+1...
- ◆ Any DMX address in the range from 001 to 512 may be used.



# 3 FUNCTIONS AND SETTINGS

## 3.1 DISPLAY OPERATION

- ◆ MENU: Used to access the menu or to return a previous menu option;
- ◆ ENTER: Used to select and store the current menu or confirm the current function value or option within a menu;
- ◆ UP: Navigates downwards through the menu list and increases the numeric value when in a function;
- ◆ DOWN: Navigates upwards through the menu list and decreases the numeric value when in a function;

## 3.2 Menu Map

ADDRESS	001 - 512(Default 001)			Set the DMX ADDRESS
PERSON	STANDARD(Default)			Use the menu to select desired channel mode
	BASIC			
RUNMODE	DMX512(Default)			[DMX] Using the DMX 512 controller to control;[SLAVE] Master--Slave operation.
	AUTO			
	CUSTOM1			
	CUSTOM2			
OPTION	DIMMER	DIM4(Default)		Dimming curves OFF (fast) to DIM4 (slow);
		OFF		
	DMX ERROR	SAVE(Default)		Hold after loss of DMX signal
		BLACK		Blackout after loss of DMX signal
	PWM	1200HZ(Default)		Sets the PWM frequency
		2400HZ		
		4000HZ		
		6000HZ		
		25000HZ		
	PERFORM	LIVE(Default)		Automatic rotation of fan
		POWER		Fast rotation of fan, all power
		STUDIO		Fan mode low speed
	DISP KEY	ON(Default)		Locks display (passcode is UP\DOWN\UP\DOWN\ENTER)
		OFF		
	DISP TIME	ON		Turns off display backlight after 10s/30s/2min of inactivity
		10s		
		30s(Default)		
		2min		
	DISP TURN	AUTO		Auto Turn
		OFF		No inversion
	LOAD PARA	NO(Default)		Upload data
		YES		Not upload data
	SETTING	RECOVERY	****	Restore default factory settings.
		CLEAN EDIT1	****	Clean customer self-editing scene 1
CLEAN EDIT2		****	Clean customer self-editing scene 2	

	WDMX	NO(Default)			Do not clear the receiver's message
	RESET	YES			Clear the receiver's message
	SIGNAL	ONLY XLR(Default)			ONLY XLR is wire only
		XLR FIRST			XLR FIRST is wire first
		ONLY WDMX			ONLY WDMX is wireless only
		WDMX FIRST			WDMX FIRS is wireless first
		WDMX TO DMX			WDMX TO DMX is wireless to wired
		LANGUAGE	CHINESE		
	ENGLISH(Default)				
EDIT	EDIT 1-2	STEP (01-30)	COLOR	0-255	Edit the custom programs1-30 Select play 【EDIT 1】 in RUNMOEDE CUSTOM 1; Select play 【EDIT 2】 in RUNMOEDE CUSTOM 2
			ANIMATION	0-255	
			ANIMA_ROT	0-255	
			ROTA GOBO	0-255	
			GOBO ROTA	0-255	
			DIMMER	0-255	
			STROBE	0-255	
			TIME	0-255	0-255( Multiply by 0.1s )
			USE	YES/ NO	Select YES to run the steps user need.
MANUAL	AUTO TEST				Auto Test channel
	MANUAL TEST	COLOR	0-255		Manual control channel
		ANIMATION	0-255		
		ANIMA_ROT	0-255		
		ROTA GOBO	0-255		
		GOBO ROTA	0-255		
		DIMMER	0-255		
		STROBE	0-255		
	DEBUG HIDE	NO			Factory testing mode. All stepper motors are not controlled by signal, It only works again after the reset.
		YES			
	RESET	ALL RESET			Select Yes/No to carry out all reset
		COLOR RESET			COLOR reset
		OTHER RESET			ANIMATION ROTATING GOBO reset
INFO	FIXTURE HOURS				Hours of fixture use
	TEMPERATURE				LED temperature
	VERSION				Software versions
	RDM	UID			Check fixture's ID
		LABEL			Check fixture's LABEL
	SYSTEM ERROR	Memory IC			Memory IC
		Angle Sensor			Angle Sensor
		Temperature			Temperature
		Color Reset			Color Reset
		RGOBO Rst			RGOBO Reset
		Anima Rst			Anima Reset
SERVICE	****	COLOR	±127		Color position fine adjustment
		ANIMATION	±127		ANIMATION position fine adjustment



		ROTA GOBO	±127	ROTA GOBO position fine adjustment
		GOBO ROTA	±127	GOBO ROTA position fine adjustment

## 4 USING A DMX512 CONTROLLER

### 4.1 DMX CONTR

STANDARD CHANNEL	BASIC CHANNEL	VALUE	FUNCTION
1	1	000-255	Master Dimmer
2	-	000-255	Master Dimmer Adjustmen
3	2	<b>STROBE</b>	
		000-009	NO FUNCTION
		010-099	STROBE ( FROM SLOD TO FAST )
		100-109	NO FUNCTION
		110-179	LIGHTNING STROBE
		180-189	NO FUNCTION
		190-255	RANDOM STROBE
4	3	<b>COLOR WHELL 6+1</b>	
		000-007	WHITE
		008-015	COLOR 1
		016-023	COLOR 2
		024-031	COLOR 3
		032-039	COLOR 4
		040-047	COLOR 5
		048-055	COLOR 6
		056-191	COLOR WHELL 0-360°
		192-222	COLOR WHELL RAINBOW EFFECT(SPEED 100%→1)
		223-224	STOP
		225-255	COLOR WHELL RAINBOW EFFECT (SPEED1→100%)
5	-	000-255	COLOR WHELL FINE
6	4	<b>ROTATING GOBO 6+1</b>	
		000-010	WHITE
		011-019	GOBO 1
		020-028	GOBO 2
		029-037	GOBO 3
		038-046	GOBO 4
		047-055	GOBO 5
		056-064	GOBO 6
		065-073	ROTATING GOBO 1 SHAKE (SPEED 1 → 100%)
		074-082	ROTATING GOBO 2 SHAKE (SPEED 1 → 100%)
		083-091	ROTATING GOBO 3 SHAKE (SPEED 1 → 100%)
		092-100	ROTATING GOBO 4 SHAKE (SPEED 1 → 100%)

		101-109	ROTATING GOBO 5 SHAKE (SPEED 1 → 100%)
		110-118	ROTATING GOBO 6 SHAKE (SPEED 1 → 100%)
		119-127	WHITE
		128-190	ROTATING GOBO FLOWING WATER EFFECT (SPEED 100 → 1%)
		191-192	STOP WATER EFFECT
		193-255	ROTATING GOBO FLOWING WATER EFFECT (SPEED 1 → 100%)
7	5	<b>GOBO ROTATING</b>	
		000-120	ROTATING GOBO ANGLE ADJUSTMENT (0 → 360°)
		121-125	STOP
		126-165	ROTATING GOBO SHAKE (SPEED 1 → 100%)
		166-170	STOP
		171-210	ROTATING GOBO POSITIVE ROTATION (SPEED 100% → 1)
		211-215	STOP
		216-255	ROTATING GOBO REVERSE ROTATION (SPEED 1 → 100%)
8	-	000-255	GOBO ROTATING FINE
9	6	<b>Dynamic Effect wheel Location</b>	
		000-255	Dynamic Effect wheel Location
10	7	<b>Dynamic Effect wheel Autorotation</b>	
		000-010	No Function
		011-131	Dynamic Effect Wheel Flow Effect, Clockwise, fast to slow
		132-134	Stop
		135-255	Dynamic Effect Wheel Flow Effect, Anticlockwise, slow to fast
11	8	<b>CONTROL (EXECUTE AFTER 3 SECONDS)</b>	
		000-010	NO FUNCTION
		011-100	RESERVED
		101-110	DIMMER OFF
		111-120	DIMMER DIM4
		121-150	RESERVED
		151-160	1200Hz
		161-170	2400Hz
		171-180	4000Hz
		181-190	6000Hz
		191-200	25000Hz
		201-210	ALL RESET
		211-220	COLOR RESET
		221-230	RESERVED
		231-240	GOBO/EFFECT WHEEL RESET
		241-255	RESERVED