

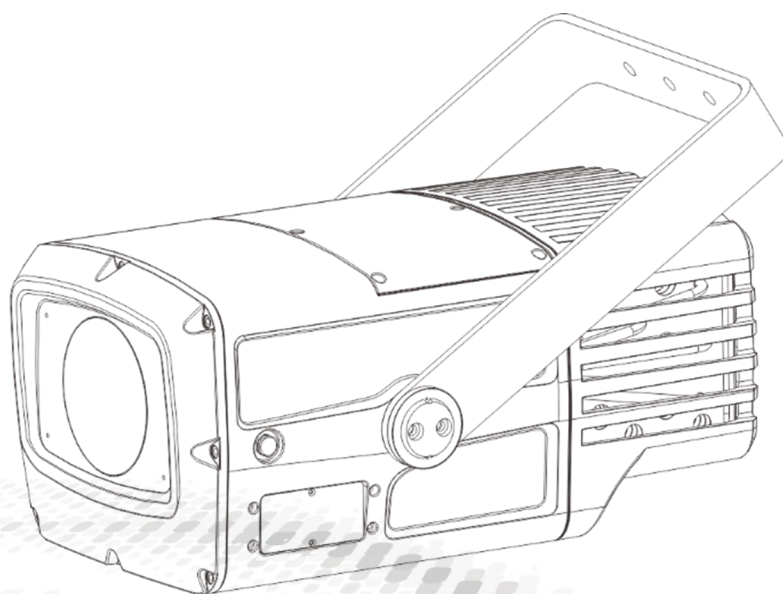


创意源于追求
Own Idea Of Lighting

E6

USER MANUAL

arctik® E6
ARCHITECTURAL TECHNOLOGY AG1661



MODEL: AG1661SCT



Since 1985

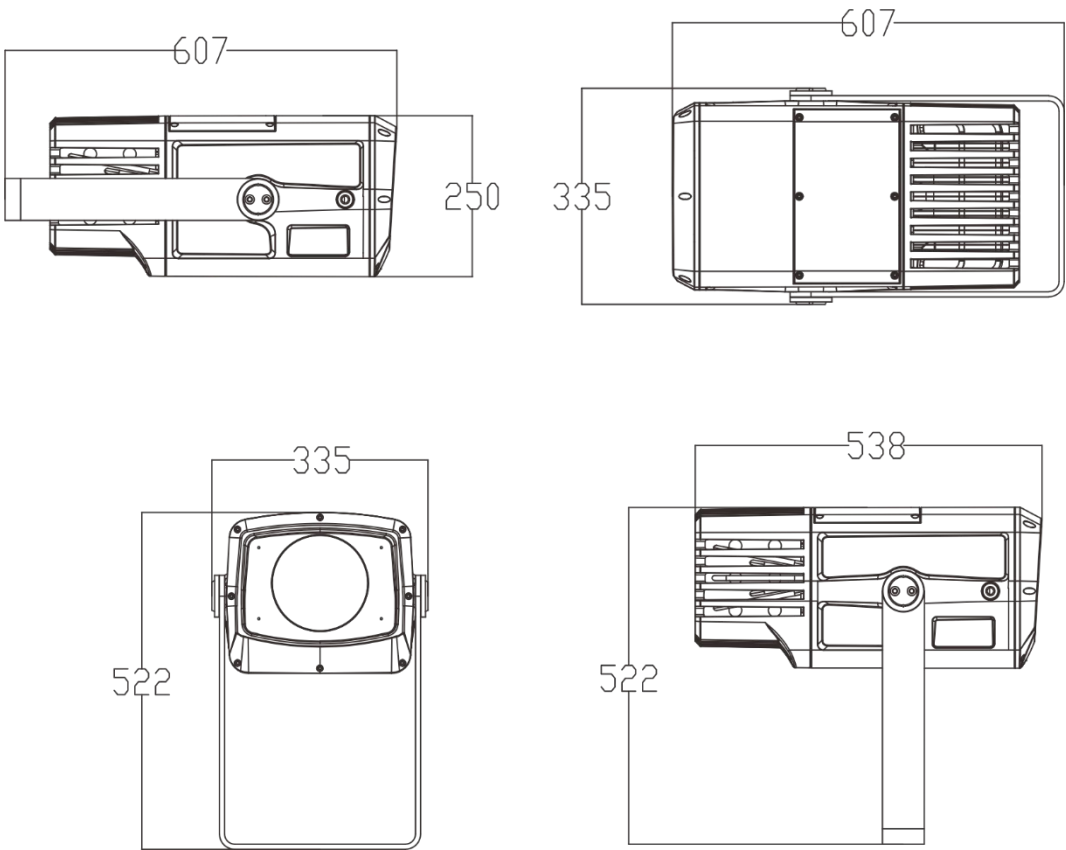
广州市雅江光电设备有限公司
Guangzhou Yajiang Photoelectric Equipment Co., Ltd.
电话/Tel: 020-86947788 邮箱/E-mail: sales@yajiang.cn
传真/Fax: 020-86943773 网址/Website: www.yajiang.cn

1 PRODUCT

1.1 TECHNICAL SPECIFICATIONS

Type	AG1661SCT
LED colors	400W Cold white LED
Power	450W
Voltage Range	100-277V~,50/60Hz
Protection	IP66
Operation Temperature	-20℃~45℃
Dimensions	607x335x250mm
Weight	23kg

DIMENSIONS



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).
- The minimum ambient temperature (Ta min.): -40° C
- When the temperature reaches the above upper limit, the fixture regulates output to protect from overheating.

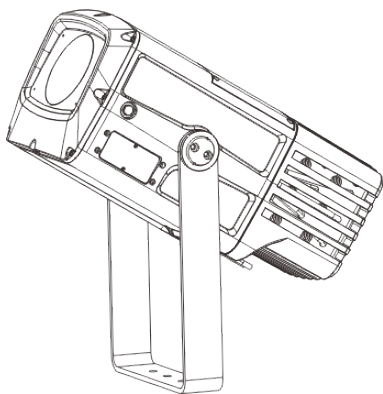
Electrical Warning

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

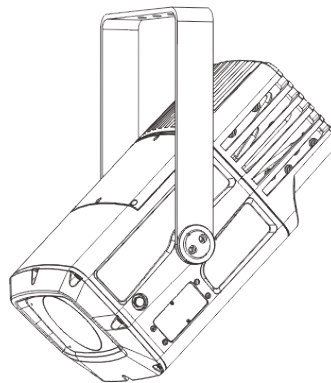
2 INSTALLATION

2.1 MOUNTING

- ◆ The fixture can be mounted in any position.
Always ensure that mounting surface can withstand 10 times the weight of the fixture..
- ◆ Always use a safety cable when mounting the fixture in any elevated position.



UPRIGHT



HANGING

2.2 POWER CONNECTIONS

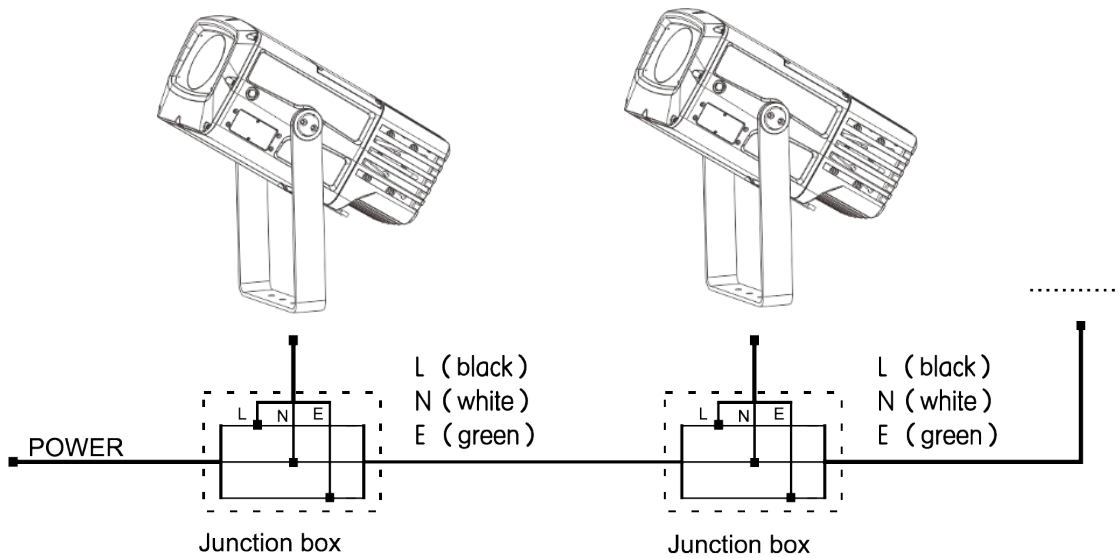
- ◆ This product has an auto-ranging power supply that can work with an input voltage range of 100–277 VAC, 50/60 Hz.

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

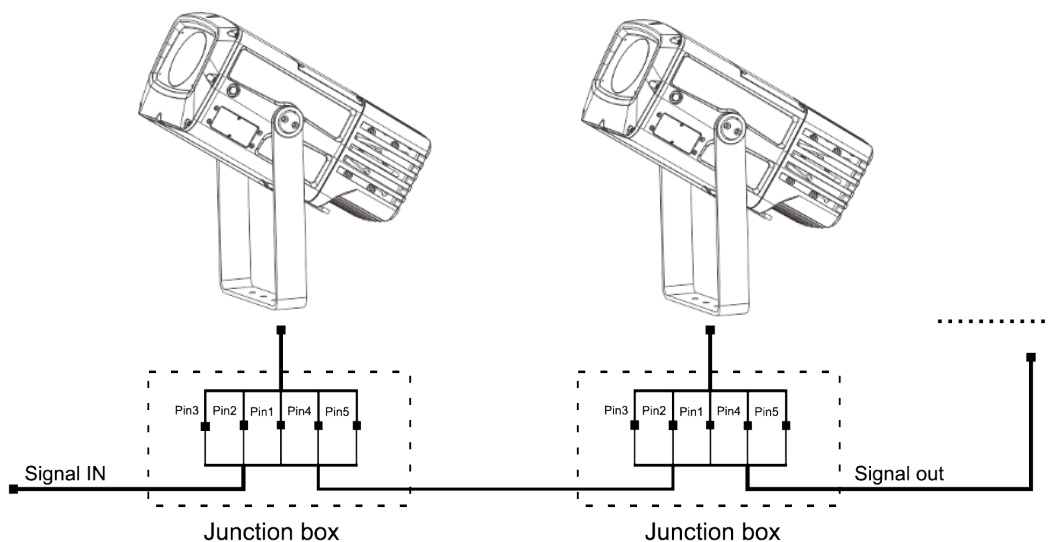
2.3 Power connections

- ◆ This product provides for the use of input power and signal cables are three-core, the connection diagram is as follows



2.4 Signal connections

- ◆ If the signal cable is over 60m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.



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)		DMX address setting
PERSON	STANDARD (default)		Use the menu to select desired channel mode
	BASIC		
RUN MODE	DMX512 (default)		Select Signal
	AUTO		
	EDIT1		
	EDIT2		
OPTION	DIMMER	DIM4 (default)	Dimming curves DIM1 (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)	Press menu for 5 seconds to input up, down, up ,down
		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	NO (default)	Not upload data

	PARA	YES			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 RESET	NO（default）			Clear the receiver's message
		YES			Do not 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
	LANGUAG	CHINESE			LANGUAGE
		ENGLISH（default）			
EDIT	EDIT 1-2	STEP(01-30)	COLOR	0-255	Edit the custom programs1-30
			ANIMATION	0-255	Select play 【EDIT 1】 in
			ANIMA_ROT	0-255	RUNMOEDE CUSTOM 1; Select
			ROTA GOBO	0-255	play 【EDIT 2】 in RUNMOEDE
			GOBO ROTA	0-255	CUSTOM 2
			FROST	0-255	
			PRISM1	0-255	
			PRISM2	0-255	
			DIMMER	0-255	
			STROBE	0-255	
			TIME	0-255	0-255(Multiply by 1s)
		USE	YES/NO	Run the program	
MANUAL	AUTO TEST				Automatic Testing
	MANUAL TEST	COLOR	0-255		Manual control channel
		ANIMATION	0-255		
		ANIMA_ROT	0-255		
		ROTA GOBO	0-255		
		GOBO ROTA	0-255		
		FROST	0-255		
		PRISM1	0-255		
		PRISM2	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
		PRISM SYS		PRISM/ FROST reset
		COLOR SYS		COLOR reset
		OTHER		ANIMA_ROT /GOBO ROTA reset
	INFO	FIXTURE HOURS		
TEMPERATURE			LED temperature	
VERSION			Software versions	
RDM		UID		RDM information
		LABLE		
SYSTEM ERROR		Memory IC		Memory IC
		Angle Sensor		Angle Sensor
		Temperature		Temperature
		Color Reset		Color Reset
		RGOBO Reset		RGOBO Reset
		Anima Rst		Animation Reset
		Frost Rst		Frost Reset
		Prism1 Rst		Prism1 Reset
		Prism2 Rst		Prism1 Reset
SERVICE		****	COLOR	±127
	ANIMATION		±127	Animation position fine adjustment
	ROTA. GOBO		±127	Rotate Gobo position fine adjustment
	GOBO.ROTA		±127	Self-rotation position fine adjustment
	FROST		±127	Frost position fine adjustment
	PRISM1		±127	Prism 1 position fine adjustment
	PRISM2		±127	Prism2 position fine adjustment

All passwords of this product are <UP>, <DOWN>,<UP>, <DOWN>, <ENTER>

4 USING A DMX512 CONTROLLER

4.1 DMX CONTROL

STANDARD	BASIC	VALUE		FUNCTION
CHANNEL	CHANNEL			
1	1	000-255		Master Dimmer
2	-	000-255		Master Dimmer Adjustmen
3	2	STROBE		
		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	COLOR WHELL 8+1		
		000-007		WHITE
		008-014		COLOR 1
		015-021		COLOR 2
		022-028		COLOR 3
		029-035		COLOR 4
		036-042		COLOR 5
		043-049		COLOR 6
		050-056		COLOR 7
		057-063		COLOR 8
		064-191		COLOR WHELL 0-360°
		192-222		COLOR WHELL RAINBOW EFFECT(SPEED 100%→1)
		223-224		STOP
		225-255		COLOR WHELL RAINBOW EFFECT(SPEED 1→100%)
5	-	000-255		COLOR WHIELL FINE
6	4	ROTATING GOBO 6+1		
		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	GOBO ROTATING	
		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	Dynamic Effect wheel Location	
		000-255	Dynamic Effect wheel Location
10	7	Dynamic Effect wheel Autorotation	
		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	PRISM1	
		000-010	WHITE
		011-155	PRISM INSERT AND ADJUST THE ANGLE (0 —> 360°)
		156-157	STOP
		158-205	PRISM INSERT AND POSITIVE ROTATION (SPEED 100% —> 1)
		206-207	STOP ROTATION

		208-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1 → 100%)
12	9	PRISM2	
		000-010	WHITE
		011-155	PRISM INSERT AND ADJUST THE ANGLE (0 → 360°)
		156-157	STOP
		158-205	PRISM INSERT AND POSITIVE ROTATION (SPEED 100% → 1)
		206-207	STOP ROTATION
		208-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1 → 100%)
13	10	FROST LENS	
		000-255	FROST LENS (0-100%)
14	11	CONTROL (EXECUTE AFTER 3 SECONDS)	
		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	PRISM RESET
		221-230	COLOR RESET
		231-240	GOBO/EFFECT WHEEL RESET
		241-255	RESERVED