THE AMAZING HAWKEYE

19PCS 12W 4-in-1
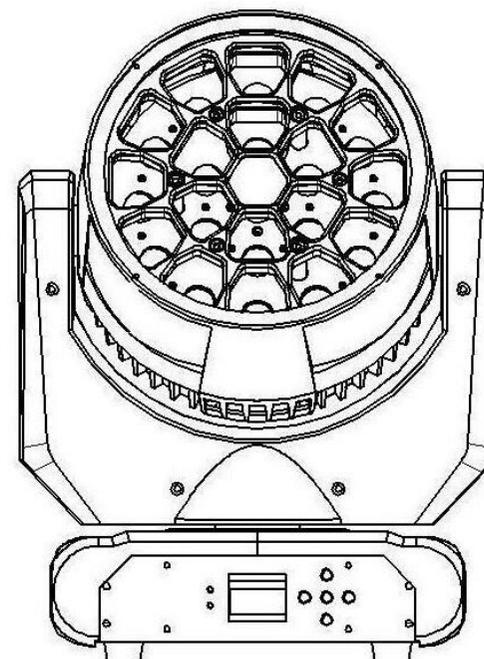
CE F ⏚ IP20 LED ⌐---0.2m t$_a$ 40℃ t$_c$ 150℃
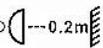
User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1. Unpacking

Thank you for choosing our HAWKEYE. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The Amazing HAWKEYE. is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

4-IN-1 LEDs (RGBW) which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:

Moving Head---------One   Signal Cable----One

Hanging Bracket-------Two   Power Cable----One

Safety Cable---------one   User Manual----One

10. Maintenance and Cleaning

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded. 2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing). 3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances. 4. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

	CAUTION!
	Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.

2) Clean the fan each week.

3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition,   prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".Should you need any spare parts, please order genuine parts from your local dealer

9. Key Features

LED Light Source: 19pcs 12W RGBW 4-in-1 LEDs

Voltage: AC100-240V, 50-60 Hz

Power consumption: 360W

Control Mode: Master/slave, DMX

Beam angle: 6 degree

Strobe: 0-25 Hz

Color: RGBW

Channel: 18 Channels

Working Temperature: -25℃ - 40 ℃

Working Lifetime: 50000 hours

Pan: 540°, speed controllable,

Tilt: 205°, speed controllable

IP rate: IP 20(Indoor use only)

Fixture Dimension: 25*30*36 cm

Package: 1pc/CTN

Packing dimension: 40*33*47 CM

Net weight: 8 KG   Gross weight: 10.5 KG

Special points:

    1.Lamp board plate can rotate continuous 360° to make amazing effect.

     Speed controllable.

    2. Built-in with 85 static effects,   85 dynamic effects,

     multiple built-in programs

    3. Special LENS, unique design to make amazing effect.

2. Safety Instructions

CAUTION!
Be careful with your operations.With a dangerous voltage you can Suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. 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 written in this user manual.

☞ **Important:**
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

3. Operation Instructions

-The moving head is for wash effect for on-site decoration purpose.

-Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.

-This light should be keep away from strong shaking during any transportation or movement.

-Don't pull up the light by only the head, or it might cause damages to the mechanical parts.

-Don't expose the fixture in overheat, moisture or environment with too much dust when installing it.   And don't lay any power cables on the floor. Or it might cause electronic shock to the people.

-Make sure the installation place is in good safety condition before installing the fixture.

-Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

-Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

-Make sure the fixture is operated by qualified personnel who knows the fixture before using.

-Keep the original packages if any second shipment is needed.

-Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.

-It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

4. Mounting and Installation

Cautions: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

8. Photometric Data:

LUX Data of 6 degree beam angle:

R	4300LUX@2m	1920LUX@4m	850LUX@6m	460LUX@8m
G	7200LUX@2m	2600LUX@4m	1150LUX@6m	670LUX@8m
B	9500LUX@2m	3650LUX@4m	1720LUX@6m	940LUX@8m
W	10900LUX@2m	4150LUX@4m	1830LUX@6m	1000LUX@8m
RGBW	27000 LUX@2m	11600LUX@4m	5000LUX@6m	2820LUX@8m
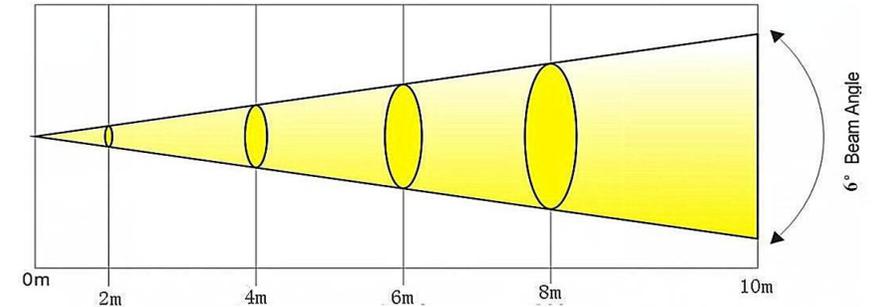
LUX Data of 45 degree beam angle (Lens rotate):

R	1770 LUX@2m	518LUX@4m	213 LUX@6m	133 LUX@8m
G	3120 LUX@2m	850 LUX@4m	335 LUX@6m	216LUX@8m
B	4290 LUX@2m	1079 LUX@4m	473 LUX@6m	286 LUX@8m
W	4530 LUX@2m	1122LUX@4m	492 LUX@6m	285 LUX@8m
RGBW	13370LUX@2m	3200 LUX@4m	1460 LUX64m	787 LUX@8m
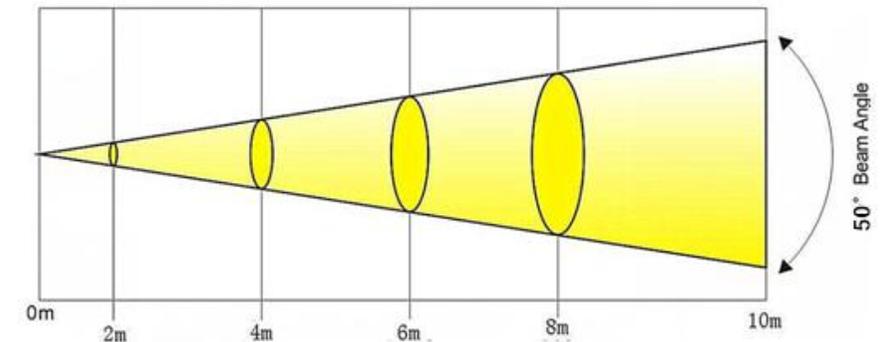
7. DMX Channels

CH	Function	DMX Value	Description
1	Pan	0-255	0-540 degree
2	Pan Fine	0-255	16 bit fine control
3	Tilt	0-255	0-205 degree
4	Tilt Fine	0-255	16 bit fine control
5	Pan/Tilt speed	0-255	Speed from fast to slow
6	Lens rotate	0-127	0~360 degree movement
		128-255	LENS 360° continuous movement without limitation from slow to fast
7	Speed of lens rotate	0-255	Speed from fast to slow
8	Macro dimmer	0-255	Linear dimmer from dark to bright
9	Strobe	0-3	No function
		4-255	Strobe with the same step from slow to fast(1Hz-25Hz)
10	Red dimmer	0-255	Linear dimmer from dark to bright
11	Green dimmer	0-255	Linear dimmer from dark to bright
12	Blue dimmer	0-255	Linear dimmer from dark to bright
13	White dimmer	0-255	Linear dimmer from dark to bright
14	Static built-in effects	0-255	51 Static built-in effects show, please operate against the Channel 6
15	Dynamic built-in effects	0-255	51 Dynamic built-in effects show, please operate against the Channel 6
16	Dynamic bulit-in effect speed	0-255	From slow to fast(Operate against with 15th channel)
17	Macro function	0-55	No function
		56-75	LED Auto run 1(static effect show)
		76-95	LED Auto run 2(dynamic effect show)
		96-115	Lens and LED Auto run
		116-135	Pan/Tilt Auto run
		136-155	Auto run 1
		156-175	Auto run 2
		176-195	Auto run 3
		196-215	Auto run 4
		216-235	Random auto run
		236-255	Sound activated
18	Reset	0-250	No function
		251-255	Reset within 5 seconds

Never stand directly below the device when mounting, removing, or servicing the fixture from a periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting: The HAWKEYE provides a unique mounting bracket assembly that integrates the bottom of the base, the included "Omega Bracket," and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the "omega bracket". As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly

① Omega Bracket
② Safety Clamp
③ Safety Cable
④ 1/2Turn Quick-Lock Fasteners
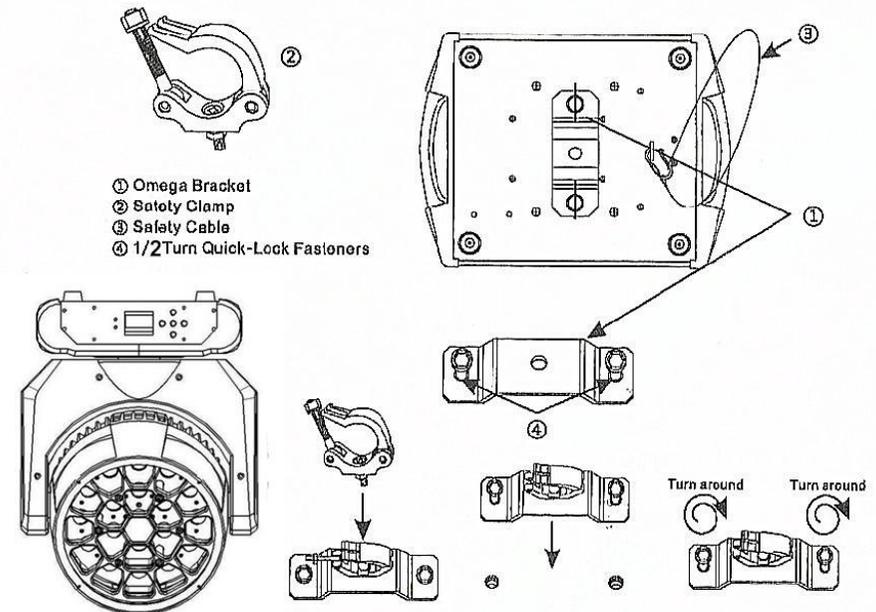
Regardless of the rigging option you choose for the HAWKEYE, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

5. DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to

the male 3-pin XLR input of the moving head. You can chain multiple

Moving heads be connected together through serial linking. The cable needed should be two core,

screened cable with XLR input and output connectors. Please refer to the diagram below.

DMX-512 connection with DMX terminator

Controller

DMX Output
3-Pin XLR Socket

DMX Input
3-Pin XLR Socket

1: Ground
2: Data (-)
3: Data (+)

COMMON

DMX512 OUT
3-PIN XLR

DMX +

DMX -

DMX512 IN
3-PIN XLR
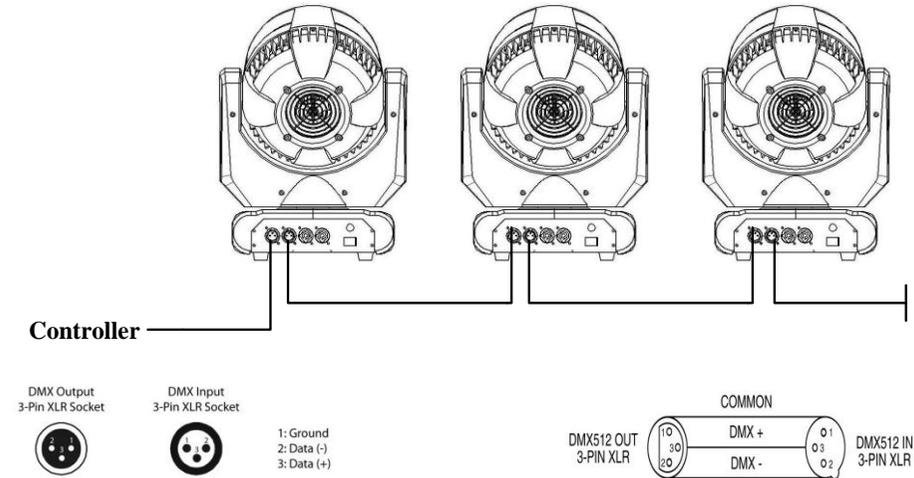
For installations where the DMX cable has to run a long distance or is in an electrically noisy environment,

such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption

of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω

resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last

fixture in the chain. Please see illustrations below.

120Ω

PIN 3
PIN 2
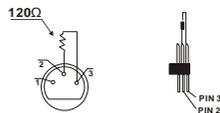
6. Menu Operations

Button instruction:

Previous item

↑

Return to last item ← ( ) (OK) ( ) → Return to Main Menu

↓

Next item
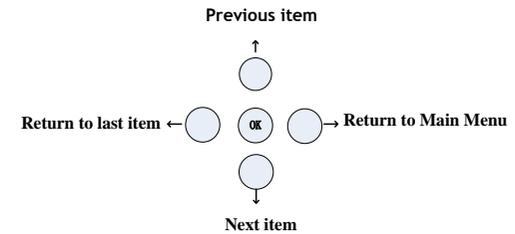
Menu details and function:

Menu	Set	Run Mode	DMX / AUTO 1 / AUTO 2 / AUTO 3 / AUTO 4 / Random / Sound → Run mode setting
		DMX Address	001-512 → DMX address setting
		Channel mode	18 CH
		Invert Pan	ON / OFF → Invert pan setting
		Invert Tilt	ON / OFF → Invert Tilt setting
		Pan-Tilt Swap	ON / OFF → Pan/Tilt Swap setting
		Pan-Tilt Encoder	ON / OFF → Pan/Tilt Encoder setting
		No DMX Signal	KEEP / CLEAR → DMX Signal setting
		Display	ON / OFF → Display setting
		Load Default	OK / Cancel → Recover to Default setting
	Manu	Press to enter Manual mode	
	Sys	Check the system information	
	Advan	Input code to advanced setting	