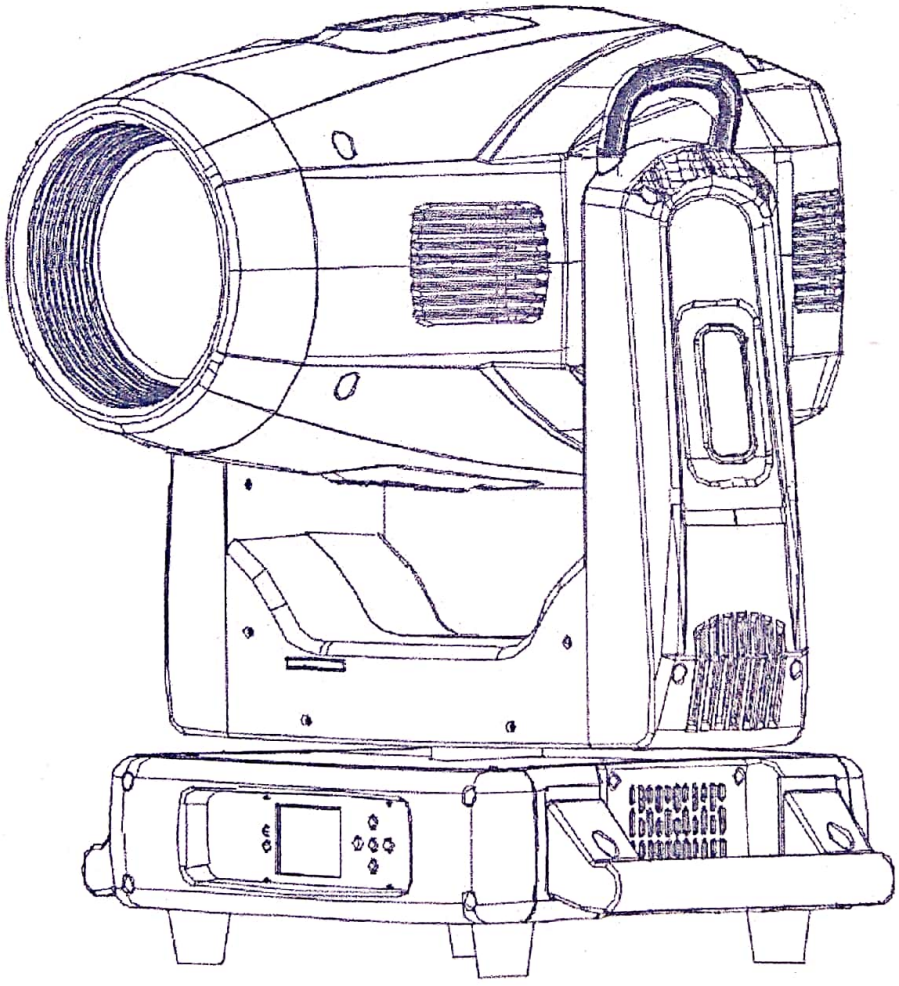
ONE

—PRO— FIRE 1200



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS

Thank you for your patronage!
We are confident that our excellent products and service can satisfy you.
For your own safety, please read this user manual carefully before installing the device.
In order to install, operate, and maintain the lighting safety correctly.
We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

CAUTION!
Keep this device away from rain and moisture!

CAUTION!
Unplug mains lead before opening the housing!

Every person involved with the installation, operation and maintenance of this device has to:
-be qualified
-follow carefully the instructions of this manual

INTRODUCTION:

Thank you for having chosen this professional moving head.
You will see you have acquired a powerful and versatile device.
Unpack the device. Inside the carton box you should find:

1. One power in cable
2. One 3-Pin DMX cable
3. Two folding clamps
4. One safety cable
5. One English user manual

(Flight case is optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

GENERAL GUIDELINES

This device is a lighting effect for a professional use on stages, TV, in discotheques, theaters, etc.

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in 6th page of this manual.
Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time

without defects.

Do not shake the device. Avoid brute force when installing or operating the device.
While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. Please don't project the beam onto combustible substances. The minimum distance between light-output from the projector and the illuminated surface must be more than 0,5 meter.
If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.
Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.
For safety reasons, please be aware that all modifications on the device are forbidden. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, crash, etc.

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.
1. In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degress.
2. Always mount this unit in safe and stable matter.
The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

▲ 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

temperatures.
This device falls under protection-classI. Therefore it is essential that the device be earthed.
The electric connection must carry out by qualified person.

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.
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.

CAUTION!
Never touch the device during operation!
The housing may heat up!

CAUTION!
Never look directly into the light source,
As sensitive persons may suffer an epileptic shock.

Please be aware that damages caused by manual modifications to be the device are not subject to warranty. Keep away from children and non-professionals.

CLEANING AND MAINTENANCE

1. To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
2. Do not spill water or other liquids into or on to your unit.
3. During long periods of non-use, disconnect the unit's main power.
4. It should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed.

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. Fixations and

installations 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.

TECHNICAL PARAMETERS

Power supply

AC100~240V, 50/60Hz
Power consumption: 1050W

Light source

High power 900W white LED engine/Flicker-Free Source
Rated life: 20,000 hrs
Color temperature: 6500K
Standard mode Ra:≥75,High CRI mode: Ra≥90
Luminous flux: 28000LM

OPTIC

Focus:Motorized focusing, ultra-smooth focus adjustment
Iris: Motorized, linear
Strobe: 25Hz with random pulse strobe
Dimming:0~100% linear dimming
Frost: 0~100% linear frost
Zoom angle: 6 degree to 50 degree linear zoom

Effect SECTION

CMY color mixing system
Independent CTO filter from 2800k to 5600k linear adjust
Color wheel: 6 fixed colors + white, half-color with rainbow effect
Rotating gobo wheel:7 replaceable rotating gobos + white with gobo shaking
(Diameter 19.5MM, External diameter 26.9MM, Thickness 1.1MM)
Fixed gobo wheel: 11 fixed gobos + white with gobo shaking
(Diameter 19.5MM, External diameter 25.3MM)
Prism wheel: Rotating 3-faced prism+6-faced linear prism, two prisms can be overlaid
Animation wheel with water, wave and flame effects, rotatable and replaceable

FRAMING SYSTEM

Framing shutters: 4x framing shutters, each individually controllable
Each shutter blade can block out light completely
Framing module can be rotated at 90°
Movement is fast, smooth and precise, with adjustable speed
6%-100% iris system

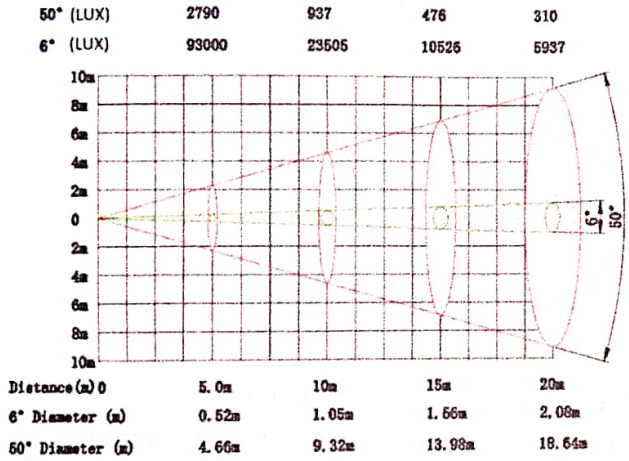
CONTROL AND PROGRAMMING

Pan/Tilt: 540/270 ° 16bit solution
Control mode: DMX512/RDM/Auto run/Artnet(Optional)
DMX channels: 36CH/42CH/60CH
Powercon true1 in+out/3pin DMX in+out

2.7 Inch touch screen LCD display, with display flip
2 models Follow function
Scene stay function

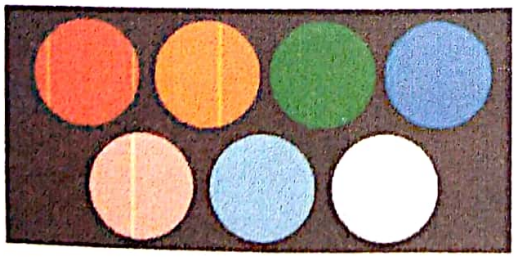
BODY
IP20 Dust-proof and oil-proof design with Folding clamp
Net weight: 41kgs/Gross weight: 44kgs
1in1 fly case size optional

PHOTOMETRICS:

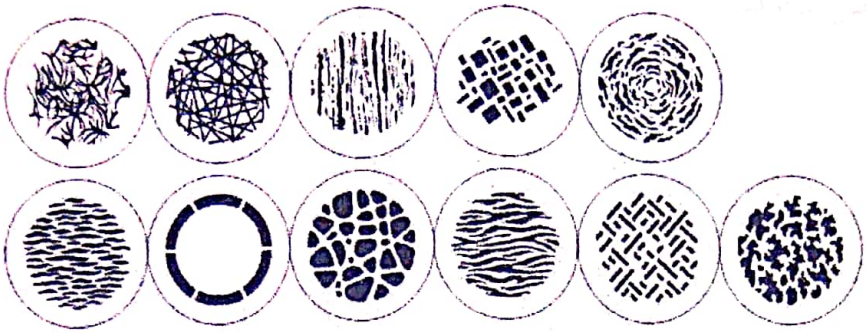


CMY+CTO

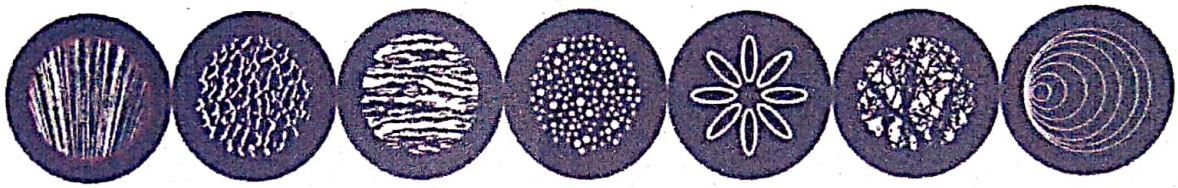
COLOR WHEEL



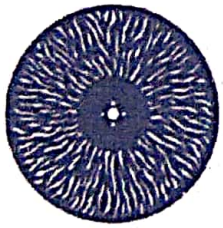
FIXED GOBO WHEEL:



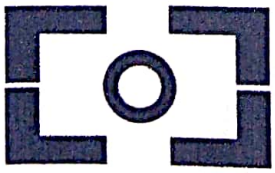
ROTATING GOBO WHEEL



AMIMATION DISC

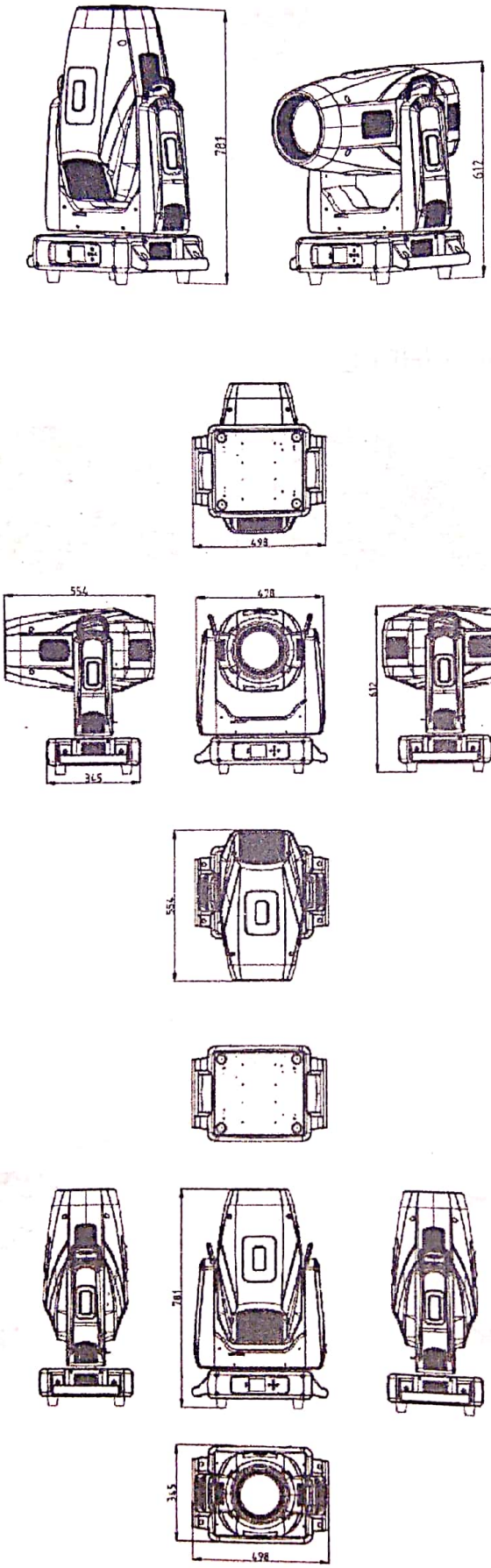


FOCUS



IRIS

FIXTURE SIZE(MM)



2.The control panel

2.1 Key Description

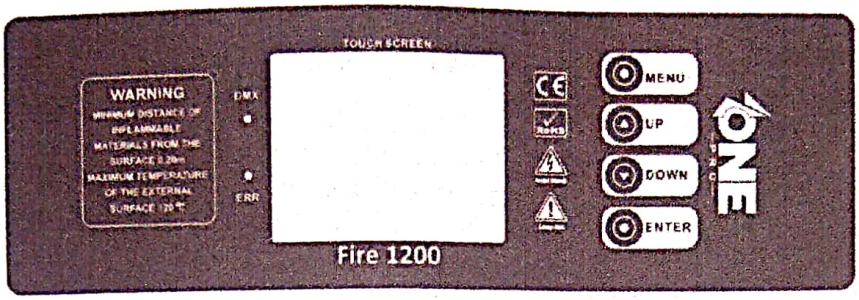


FIG. 3 Schematic diagram of panel keys

The following takes "modify DMX address code" as an example to describe the use of keys:

1. If the current screen is not the main screen, press the "Left" key (one or more times) to return to the main screen
2. On the home screen, press the Up or Down key to select the Settings button
3. Press "OK" to enter the "Settings" interface
4. In the "Settings" interface, press "Up" or "Down" to select "DMX Address".
5. Press "OK" to enter editing mode
6. Press the "Up" or "Down" key to modify DMX address code
7. Press OK to exit the editing mode
8. Press the right button on the main interface to enter the calibration menu shortcut key.

2.2 Menu Description

FIG. 4 Schematic diagram of main menu

2.2.1 DMX Settings

Key description: press up or down is +1 or -1 mode:Press up or down to quickly adjust the address code mode.Press ok to return

Manual description: first input hundreds, then tens, and finally a bit.(For example, to enter 286, press 2, then 8, then 6)

2.2.2 / En

Switching between Chinese and English interface;

2.2.3 System Information

options	Instructions	
System version	DIS	Display board software version
	MT	Motor board software version
The temperature information		Display bead temperature
Fan information	The fan speed	Displays the fan speed information
The system time	Total light bubble	Cumulative bubble time (accurate to minutes)
	The bright bubble	Time of this bubbling (accurate to minutes)
	Total service time	Total usage time (accurate to minutes)
	Time of use	Usage time since this startup (accurate to minute)
	Manufacture date	
	The access time	9999 means no encryption and can be used for a long time. Other values indicate the remaining use time, with encryption;
Sensor monitoring	X hall	0 when magnetic is detected, 1 otherwise
	Y hall	0 when magnetic is detected, 1 otherwise
	Color disc hall	0 when magnetic is detected, 1 otherwise
	CMY hall	0 when magnetic is detected, 1 otherwise
	The CTO hall	0 when magnetic is detected, 1 otherwise
	Fixed pattern disc	0 when magnetic is detected, 1 otherwise
	Glass hall	0 when magnetic is detected, 1 otherwise
	Glass pattern spin hall	0 when magnetic is detected, 1 otherwise
	Adjustable JiaoHuoEr	0 when magnetic is detected, 1 otherwise
	Enlarge hole,	0 when magnetic is detected, 1 otherwise
	Prism 1 rotates Hall	0 when magnetic is detected, 1 otherwise

	X indicates the disk status	Two digits, each corresponding to a photoelectric switch on the coding disk
	Y Indicates the status of the encoding disk	Two digits, each corresponding to a photoelectric switch on the coding disk
	X-axis encoding disk step value	In the positive direction, the step value should increase, in the opposite direction, the step value should decrease.The same value is normal every time you turn to the same point
	Y-axis encoding disk step value	In the positive direction, the step value should increase, in the opposite direction, the step value should decrease.The same value is normal every time you turn to the same point
System error		If the red ERR indicator lights up, it indicates that the lamp is running wrong. Details can be viewed in the sub-interface.After viewing, you can press the "Clear" button to clear error records
DMX channel value monitoring		This leads to a subinterface that displays channel values in numerical and percentage terms for viewing

Common error messages	instructions
MT board connection failed. Procedure	Motor board is not responding.The serial communication line connecting the display board to the motor board is faulty, or the motor board is faulty.
X- reset fails	X-axis photoelectric switch, or X-axis motor or motor board problem
Y- reset fails	Y photoelectric switch, or Y motor or motor board problem
X Hall error	X axis Hall, or motor plate problem
Y Hall error	Y axis Hall, or motor plate problem
The color disk failed to reset. Procedure	Color plate Hall, or color plate motor problem
Failed to reset the pattern disk	Pattern plate Hall, or pattern plate motor problem
Focus reset failed	There is a problem with the focusing hall or the focusing motor

2.2.4 Lighting Settings

options	Instructions	
DMX channel	36CH	36 channel mode
language	Chinese	Set the interface to Chinese
	English	Set the interface to English
Screen rotation	guan	Positive display
	open	The screen is displayed inversely
Automatic screen flip	guan	Disable the automatic flip function
	open	Gravity sensor automatically reverses
The dimming curve	Square	index
	linear	A straight line
	SCurve	sine
	InSquare	logarithmic
RDM function	guan	The RDM function is enabled
	open	Disable the RDM function
DMX signal	keep	Continue running as before
	reset	Motor back, stop running
Screen saver	guan	Close the screen saver
	open	Open the screen saver
Follow mode	Off	
	Mode1	Follow in without power
	Mode2	Follow in a bit power
X inversion	guan	The default
	open	Switch the starting and ending points
Y inversion	guan	The default
	open	Switch the starting and ending points
XY exchange	guan	The default
	open	Channels for exchanging XY axis (including fine tuning)
XY encoder	open	Use an encoder (optocoupler) to determine out-of-step and automatically correct position
	guan	No encoder (optocoupler) is used to correct position
Restore default Settings		Press OK to see the confirmation dialog box. Press OK again to restore the default Settings

2.2.5 Operating Mode

Auto run	DMX	Slave state: receiving DMX signal from console or host
	Auto run	Host state: self-powered and sends DMX signal to slave
	Sound control	
	Scene	Open the scene model
	Programing 1/2/3	Run the console's prgraming

Scene run	All	Run all scene
	1-5	Run the sigle scene
Scene setting	Save	"Conform" to save
	Select	
	Run	All can used when "on"/sigle when "off"
	1-36CH	
Console programing	Programing 1/2/3	
	Time(S)	
	Step	
	Clear	Clear all data
Console - console menu		Up/down to save when connect with console

Manual control (Click the Operation mode menu on the main interface, select the item of manual control, and press "confirm" to enter manual control)

This interface is used to control the current lamps and lanterns, and at the same time, it automatically enters the host state (it does not receive DMX signal, it is the host in self-walking mode, and it sends DMX signal to the bus to the slave).

The manual menu will display 36 channels according to the standard 36 channels set in the Settings menu.

options	instructions	
1CH. X	0 ~ 255	Press "OK" to enter editing mode.At this time, select the hundreds and press the "up" and "down" keys to change the channel value.Press OK again to select the ten place edit.Press "OK" again to select the bits to edit.Press again to exit the edit mode
...	0 ~ 255	
35 ch. Aperture	0 ~ 255	
36 ch. Reset		Press "OK" to see the confirmation dialog box. Press "OK" again to enter the reset interface and reset all the motors

ALL reset		Press "OK" to see the confirmation dialog box. Press "OK" again to enter the reset interface and reset all the motors
XY reset		Press "OK" to see the confirmation dialog box. Press "OK" again to enter the reset interface. XY is reset
MT reset		Press "OK" to see the confirmation dialog box. Press "OK" again to enter the reset interface and reset the small motor

2.2.6 Factory Settings

options	instructions	
Electrical	X	After entering the sub-interface, you can

calibration	Y	adjust the reset position of the X axis, Y axis and other motors to compensate for errors in hardware installation. The adjustment range is -128~+127, +0 means no adjustment.
	Color wheel	
	Fixed gobo disc	
	Glass gobo	
	Glass gobo rot.	
	Animation zero	
	Animation travel	
	CRI zero	
	CRI travel	
	Color temperature	
	cyan	
	magenta	
	yellow	
	focusing	
	amplification	
	Prism 1 zero	
	Prismatic 1 stroke	
	Prism 2 zero	
	Prismatic 2 stroke	
	Prism 1 rotation	
	Prism 2 rotation	
	Atomization zero	
	Atomization trip	
	Cutting disc	
	Iris	
	Cut 1	
	Cut 2	
	Cut 3	
	Cut 4	
	Cut 5	
	Cut 6	
	Cut 7	
	Cut 8	
XY speed regulation	The X axis speed	000-255, slow to fast adjustment
	The Y axis speed	
Fan regulation	Fan regulation	Do only temporary adjustment, power does not save
	The fan speed	

3.Channel function

3.1 Channel list

36CH		42CH		60CH	
1	Pan	1	Pan	1	Pan
2	Pan Fine	2	Pan Fine	2	Pan Fine
3	Tilt	3	Tilt	3	Tilt
4	Tilt Fine	4	Tilt Fine	4	Tilt Fine
5	Pan/Tilt speed	5	Pan/Tilt speed	5	Pan/Tilt speed
6	Strobe	6	Strobe	6	Strobe
7	Dimmer	7	Dimmer	7	Dimmer
8	C	8	Dimmer Fine	8	Dimmer Fine
9	M	9	Zoom	9	Zoom
10	Y	10	Zoom Fine	10	Zoom Fine
11	CTO	11	Focus	11	Focus
12	Color	12	Focus Fine	12	Focus Fine
13	CRI	13	Autofocus	13	Autofocus
14	Fixed Gobo	14	Auto focus fine	14	Autofocus fine
15	Glass Gobo	15	Color	15	Color wheel
16	Glass gobo rotation	16	CRI	16	Color wheel fine
17	Animation wheel	17	C	17	CRI
18	Animation rotation	18	M	18	CRI Fine
19	Focs	19	Y	19	C
20	Focus Fine	20	CTO	20	C fine
21	Zoom	21	Fixed Gobo	21	M
22	Prism 1 + 2	22	Glass Gobo	22	M fine
23	Prism 1 rotation	23	Glass gobo rotation	23	Y
24	Prism 2 rotation	24	Gobo Rotation Fine	24	Y fine
25	Frost	25	Animation wheel	25	CTO
26	Blade 1	26	Animation rotation	26	CTO fine
27	Blade 2	27	Iris	27	Fixed Gobo
28	Blade 3	28	Prism 1	28	Glass Gobo
29	Blade 4	29	Prism 1 rotation	29	Glass gobo rotation
30	Blade 5	30	Prism 2	30	Gobo Rotation fine
31	Blade 6	31	Prism 2 rotation	31	Animation wheel
32	Blade 7	32	Frost	32	Animation rotation
33	Blade 8	33	Blade 1	33	Iris
34	Framing wheel	34	Blade 2	34	Iris fine
35	Iris	35	Blade 3	35	Prism 1

36	Function

36	Blade 4
37	Blade 5
38	Blade 6
39	Blade 7
40	Blade 8
41	Framing wheel
42	Function

36	Prism 1 Rotation
37	Prism 1 Rotation fine
38	Prism 2
39	Prism 2 Rotation
40	Prism 2 Rotation fine
41	Frost
42	Blade 1
43	Blade 1 Fine
44	Blade 2
45	Blade 2 Fine
46	Blade 3
47	Blade 3 Fine
48	Blade 4
49	Blade 4 Fine
50	Blade 5
51	Blade 5 Fine
52	Blade 6
53	Blade 6 Fine
54	Blade 7
55	Blade 7 Fine
56	Blade 8
57	Blade 8 Fine
58	Framing wheel
59	Framing wheel fine
60	Function

CHANNEL DESCRIPTION:

36CH	42CH	60CH	Function	Value	Description
CH1	CH1	CH1	Pan	0-255.	0-540 degrees
CH2	CH2	CH2	Pan Fine	0-255.	0-2 degrees
CH3	CH3	CH3	Tilt	0-255.	0-270 degrees
CH4	CH4	CH4	Tilt Fine	0-255.	0-1 degrees
CH5	CH5	CH5	P/T Speed	0-255.	From fast to slow
CH6	CH6	CH6	Strobe	0-3.	Close
				4-127.	From slow to fast pulse strobo
				128-191.	From slow to fast gradually strobe

				192-251.	Slow to fast random strobe
				252-255.	Open
CH7	CH7	CH7	Dimmer	0-255.	0-100% dimmer
	CH8	CH8	Dimmer fine	0-255.	0-100% dimmer
	CH9	CH9	Zoom	0-255.	From small to large
	CH10	CH10	Zoom fine		
	CH11	CH11	Focus	0-255.	From far to near
	CH12	CH12	Focus fine		
	CH13	CH13	Autofocus	0-63.	Non
				64-127.	7.5 meters
				128-255.	15 meters
	CH14	CH14	Autofocus fine	0-255.	
	CH15	CH15	Color Wheel	0-127.	Linear color
				128-137.	Color 1
				138-146.	Color 2
				147-155.	Color 3
				156-164.	Color 4
				165-173.	Color 5
				174-182.	Color 6
				183-191.	White
				192-222.	Fast to slow forward rainbow
				223-224.	stop
				225-255.	Slow to fast reverse rianbow
		CH16	Color fine		
	CH16	CH17	CRI	0	Non
				1-255.	0-100% linear insertion
		CH18	CRI fine		
CH8	CH17	CH19	C	0-255.	
		CH20	C fine		
CH9	CH18	CH21	M	0-255.	
		CH22	M fine		
CH10	CH19	CH23	Y	0-255.	
		CH24	Y fine		
CH11	CH20	CH25	CTO	0-255.	
		CH26	CTO fine		
	CH21	CH27	Fixed Gobo	0-4	White
				5-9	Gobo 1
				10-14	Gobo 2

				15-19	Gobo 3
				2024	Gobo 4
				25-29	Gobo 5
				30-34.	Gobo 6
				35-39	Gobo 7
				40-44	Gobo 8
				45-49	Gobo 9
				50-54	Gobo 10
				55-59	Gobo 11
				60-69	Gobo 1 shaking S to F
				70-79	Gobo 2 shaking S to F
				80-89	Gobo 3 shaking S to F
				90-99	Gobo 4 shaking S to F
				100-109	Gobo 5 shaking S to F
				110-119	Gobo 6 shaking S to F
				120-129	Gobo 7 shaking S to F
				130-139	Gobo 8 shaking S to F
				140-149	Gobo 9 shaking S to F
				150-159	Gobo 10 shaking S to F
				160-169	Gobo 11 shaking S to F
				170-212.	Fast to slow forward rainbow
				213-215.	Stop
				216-255.	Slow to fast reverse rainbow
	CH22	CH28	Glass Gobo	0-9	White
				10-19	Gobo 1
				20-29	Gobo 2
				30-39	Gobo 3
				40-49	Gobo 4
				50-59	Gobo 5
				60-69	Gobo 6
				70-79.	Gobo 7
				80-89.	Gobo 1 shaking S to F
				90-99.	Gobo 2 shaking S to F
				100-109.	Gobo 3 shaking S to F
				110-119.	Gobo 4 shaking S to F
				120-129.	Gobo 5 shaking S to F
				130-139.	Gobo 6 shaking S to F
				140-149.	Gobo 7 shaking S to F

				150-190.	Fast to slow forward rainbow
				191-192.	Stop
				193-255.	Slow to fast reverse rainbow
	CH23	CH29	Gobo Rotation	0-127.	Angle
				128-190.	Fast to slow forward rainbow
				191-192.	Stop
				193-255.	Slow to fast reverse rainbow
	CH24	CH30	Rotation fine		
CH12			Color Wheel	0-127.	Linear color
				128-137.	Color 1
				138-146.	Color 2
				147-155.	Color 3
				156-164.	Color 4
				165-173.	Color 5
				174-182.	Color 6
				183-191.	Non
				192-222.	Fast to slow forward rainbow
				223-224.	stop
				225-255.	Slow to fast reverse rianbow
CH13			CRI	0-255.	0-100% linear insertion
CH14			Fixed Gobo	0-4	White
				5-9	Gobo 1
				10-14	Gobo 2
				15-19	Gobo 3
				2024	Gobo 4
				25-29	Gobo 5
				30-34.	Gobo 6
				35-39	Gobo 7
				40-44	Gobo 8
				45-49	Gobo 9
				50-54	Gobo 10
				55-59	Gobo 11
				60-69	Gobo 1 shaking S to F
				70-79	Gobo 2 shaking S to F
				80-89	Gobo 3 shaking S to F
				90-99	Gobo 4 shaking S to F
				100-109	Gobo 5 shaking S to F
				110-119	Gobo 6 shaking S to F

				120-129	Gobo 7 shaking S to F
				130-139	Gobo 8 shaking S to F
				140-149	Gobo 9 shaking S to F
				150-159	Gobo 10 shaking S to F
				160-169	Gobo 11 shaking S to F
				170-212.	Fast to slow forward rainbow
				213-215.	Stop
				216-255.	Slow to fast reverse rainbow
CH15			Glass Gobo	0-9	White
				10-19	Gobo 1
				20-29	Gobo 2
				30-39	Gobo 3
				40-49	Gobo 4
				50-59	Gobo 5
				60-69	Gobo 6
				70-79.	Gobo 7
				80-89.	Gobo 1 shaking S to F
				90-99.	Gobo 2 shaking S to F
				100-109.	Gobo 3 shaking S to F
				110-119.	Gobo 4 shaking S to F
				120-129.	Gobo 5 shaking S to F
				130-139.	Gobo 6 shaking S to F
				140-149.	Gobo 7 shaking S to F
				150-190.	Fast to slow forward rainbow
				191-192.	Stop
				193-255.	Slow to fast reverse rainbow
CH16			Gobo Rotation	0-127.	Angle
				128-190.	Fast to slow forward rainbow
				191-192.	Stop
				193-255.	Slow to fast reverse rainbow
CH17	CH25	CH31	Animation	0 to 10.	Non
				11-255.	Linear insertion
CH18	CH26	CH32	Animation rotation	0-2	Stop
				3-128.	Fast to slow forward rainbow
				129-255.	Slow to fast reverse rainbow
	CH27	CH33	Iris	0-127.	From big to small
				128-255.	Systolic function
		CH34	Iris fine		

	CH28	CH35	Prism 1	0-127.	Non.
				128-255.	Prism 1
	CH29	CH36	Prism 1 rotation	0-127.	Angl
				128-187.	Fast to slow forward rainbow
				188-195.	Stop
				196-255.	Slow to fast reverse rainbow
		CH37	Prism 1 rotation fine		
	CH30	CH38	Prism 2	0-127.	Non.
				128-255.	Prism 2
	CH31	CH39	Prism 2 Rotation	0-127.	Angle
				128-187.	Fast to slow forward rainbow
				188-195.	Stop
				196-255.	Slow to fast reverse rainbow
		CH40	Prism 2 rotation fine		
CH19			Focus	0-255.	From far to near
CH20			Focus fine		
CH21			Zoom	0-255.	From small to large
CH22			Prism	0-63.	Non.
				64-127.	Prism 1
				128-191.	Prism 2
				192-255.	Prism 1 plus prism 2
CH23			Prism 1 Rotation	0-127.	Angle
				128-187.	Fast to slow forward rainbow
				188-195.	Stop
				196-255.	Slow to fast reverse rainbow
CH24			Prism 2 rotation	0-127.	Angle
				128-187.	Fast to slow forward rainbow
				188-195.	Stop
				196-255.	Slow to fast reverse rainbow
CH25	CH32	CH41	Frost	0-127.	Non.
				128-255.	Frost
CH26	CH33	CH42	Blade 1	0-255.	The linear insertion
		CH43	Blade 1 fine		
CH27	CH34	CH44	Blade 2	0-255.	The linear insertion
		CH45	Blade 2 fine		
CH28	CH35	CH46	Blade 3	0-255.	The linear insertion

		CH47	Blade 3 fine		
CH29	CH36	CH48	Blade 4	0-255.	The linear insertion
		CH49	Blade 4 fine		
CH30	CH37	CH50	Blade 5	0-255.	The linear insertion
		CH51	Blade 5 fine		
CH31	CH38	CH52	Blade 6	0-255.	The linear insertion
		CH53	Blade 6 fine		
CH32	CH39	CH54	Section 7	0-255.	The linear insertion
		CH55	Blade 7		
CH33	CH40	CH56	Section 8	0-255.	The linear insertion
		CH57	Blade 8		
CH34	CH41	CH58	Framing wheel	0-255.	Angle adjust
		CH59	Framing wheel fine		
CH35			Iris	0-127.	From big to small
				128-255.	Systolic function
CH36	CH42	CH60	Function	0-100.	Default follow mode: accoding the setting
				101-110.	Follow mode off: 5 sconds
				111-120.	Follow mode 1: After 5 sconds
				121-130.	Follow mode 2: After 5 sconds
				210-215.	Reset P/T: 6 sconds
				220-235.	Reset effect motor: 6 second
				240-255.	Reset all: 6 seconds

4.Common faults

In view of some common faults, the corresponding solutions are put forward.Any problems that can't be solved should be dealt with by professionals.Disconnect the power supply before servicing the lamp.

1. The light bulb not bright

- Check whether the voltage matching the lamps and lanterns is installed;
- Check whether the lamp power supply connection or control switch is in bad contact;
- Check whether electricity supply is insufficient;
- Check whether the DMX512 controller is sending instructions.

2. The lamp does not accept the control of the console after normal reset

- Check the luminaire digital start address value and function options are correct;
- Check whether the connection of communication control line is correct, communication line is too long or has been interrupted;
- Check whether the control equipment fails, check whether the serial access signal amplifier fails;
- Check whether the communication line is too long or other devices interfere with each other;
- Optimize wiring, shorten the length of control signal lines, separate high voltage and low voltage lines;
- Add signal amplifier;
- High quality shielded twisted-pair cable is used for signal cable;
- Connect the signal terminal resistor (120 ohms) at the end of the lamp.

3. Luminaire does not start

- Check whether the power supply parameters are consistent with the lamps;
- Check the lamps in the long-distance transportation process due to extrusion deformation, internal parts vibration, moisture and other reasons, resulting in poor contact

  Or fall off.
- Please check whether the inner conductor connector of the lamp falls off or loosens.
- Check the electronic components of the lamp (such as electronic transformer, PCB board, motor control board, etc.) for loosening, short circuit and burning.

4. When working, the action of X or Y axis of the lamp is abnormal

- Check one by one according to the previous step;
- Check whether the transmission belt corresponding to X and Y axis direction in the lamp falls off and breaks;
- Check whether the data feedback receiver (photocoupler) corresponding to X and Y directions in the lamp is damaged;
- Reboot and reset once.

IMPORTANT
To prevent accidental breakage of the effects, which could collide with each others during transport, before switching the projector OFF, check that all the fixture Channels have been excluded (DMX level = 0 bit.).
Remember to "Switch-Off" the led, before to "Switch-Off" the fixture.

REMARK

The product has perfect performance and integrity packaging. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers. Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.