10.Maintenance Cleaning

The following points have to be considered during the inspection:
1)All screw for installing the devices or parts of the device have to be tightly connnected and must be corroded.
2)There must not 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

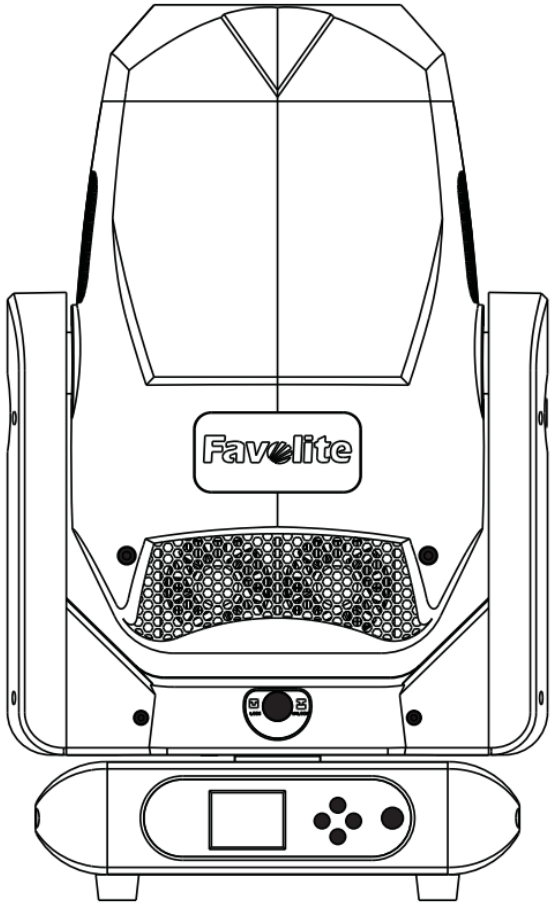
Futher instruction depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

CAUTION!
Disconnct from mains before starting maintenance operation.

In order to male the lights in good condition and extend the life time, we suggest a regular clearning 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 detail electric check by approved electrical engineer each three month, make sure the circuit contacts are good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device.Please use a mosit,lint-free cloth.Never use alcohol or solvents.
There are no seviceable parts inside the device.Please refer to the instructions under Installation
instructions.

Favolite Vader Profile 750



USER MANUAL

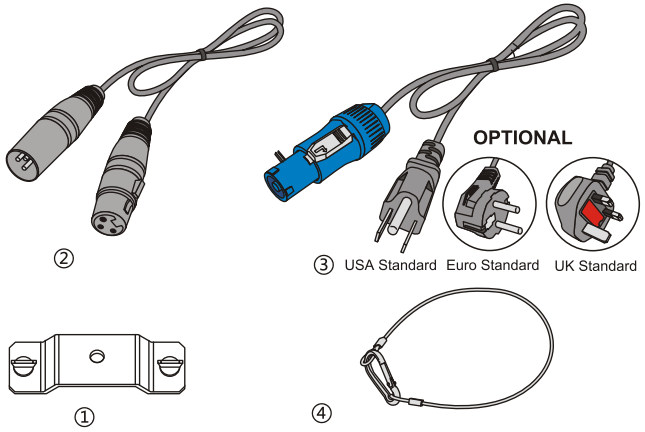
1.Unpacking

Thank you for choosing Vader Profile 750.For your own safty,please read this mannual before installing the device.This manual covers the important information on installation and applications.Please operate the fixture with following instructions.Meanwhile,please keep this manual well for future need.

The Vader Profile 750 is made of new type of high temperature strength of engineer plastics and cast aluminum casing with nice outlook.The fixture is designed and manufactured strictly following CE standards,complying with international standard DMX 512 PROTOCOL.It`s available independently controlled and linkable with each other for coperation.And it is applicable for large-scable liveperformance,theater,studio,nightclubs and disco.

Vader Profile 750 adopts powerful 550W LED Module 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 whetherthe following items are including inside the box:

Moving head light ----------One
Omega----------Two
Signal Cable----------One
Power Cable----------One
Safty Wire----------One
User Manual----------One



2.Safety instructions

CAUTION!
Be careful with your operations.With a dangerous voltage you can suffer a dangerous electric shock whentouching wires

This device has left the factory in perfect condition. In order to maintain this condition 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.

FRAMING SYSTEM
•Motorized framing system with 4 focal planes
•4 Blades that move separately
•Smooth, flexible blade movements at variable speed
•Framing system smooth movement and extremely accurate position
•Single blade full blackout
•Framing system indexable over 150°

CONTROL AND PROGRAMMING
•Standard mode: 37/47channels
•Fan mode: AUTO/FAST/LOW/SUPER LOW
•Control mode: DMX512, Protocols RDM, CRMX Wireless DMX and Art-Net,sACN,RJ45 in
•DMX and RDM data in/out

OTHER FUNCTION
•2.4inch color LCD screen
•High reliability touch button
•Support auto flip display
•Support Multi-language
•Automatic monitoring of light source temperature, High temperature automatic protection
•Intelligent cooling system
•USB and DMX512 Software update
•Display light use time
•Low level linearity, flicker free film TV
•100%brightness without stroboscopic problem
•Menu setting by internal rechargeable batterywithout power supply (3.7V rechargeable lithium-ion battery)
•Intelligent control of wind speed
•Reverse display
•Control panel lock
•Manual programming
•Maintenance mode

POWER SUPPLY
•Input voltage:100V~240V AC 50/60Hz •Rate power:730W@220V
•Power socket: power connector input
•DMX and RDM data in/out: Locking 3-pin/5-pin XLR, RJ45 interface

HOUSING
•Environmentally friendly flame retardant materials
•High temperature resistant engineering plastics
•Device locking PAN and TILT mechanisms for transportation and maintenance
•Intellectual property rights of appearance and structure design

IP GRADE
•IP:20

DIMENSION AND WEIGHT
•Product Size: 395 x 338 x 638(MM)
•Flight case size(2in1): 582 x 544 x 879(MM)
•Carton size: 486 x 355 x 715(MM)
•Net weight:22KG

47	37		50~59	Reset Zoom,Focus,Prism,Frost
			60~69	Reset Flame,Iris,Frame
			70~74	Display Default
			75~79	Display Off(Don'T Keep After Shutdown)
			80~84	Display On(Don'T Keep After Shutdown)
			85~89	Fan Speed Low(Keep After Shutdown)
			90~94	Fan Speed Medium(Keep After Shutdown)
			95~99	Fan Speed High(Keep After Shutdown)
Please hold the value for more than 8 seconds to take effect,and then return to 0 to avoid repeated activation.				

9.Specification

OPTICS
•Light Source: 550W White LED Module
•Lifetime: 50000 Hours
•Lumen: 22203lm
•Color temperature:
-CRI: at least 70,CT 6900K
-CRI: at least 90,CT 7000K

MOVEMENT
•Pan movement:540°(16bit)
•Tilt movement:270°(16bit)
•Automatic reset function

COLORS
•Colors wheel:1+6colors,Bi-directional rainbow effect
•Linear CMY+CTO

GOBOS
•Fixed gobo wheel: 8 HD interchangeable gobos + open
•Rotating gobo wheel:
7 HD interchangeable gobos +open
•Gobo size:Outside-22.9MM;
Inside-15.5MM; Thickness-1.1MM
•Bidirectional variable rotation,Index functions
Bi-directional changeable speed shake effect
changeable speed and flow effect
•Animation Wheel:Unlimited rotation
flow and flame effect

FEATURE
•Prism:2 pcs rotating prisms (4 facet prism + 6 facet linear prism)
(3,5,8,16 prism option)
•Iris: Linear adjustable with macro
•Frost: Linear heavy frost and light frost
•Focus: Motorized;AUTO-FOCUS
•Zoom: 4.5°-48° linear adjustment,smooth and fast
•Dimmer: 0-100% linear dimmer
•Strobe: Electronic strobe,0.3-20Times/SEC

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

3.Operate on instruction

-The moving head is for beam spot wash effect for onsite 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 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 floor. Or it might cause electrionic 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 person 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 appointe drepairing agencies.
-It is no in warranty range if there are 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:

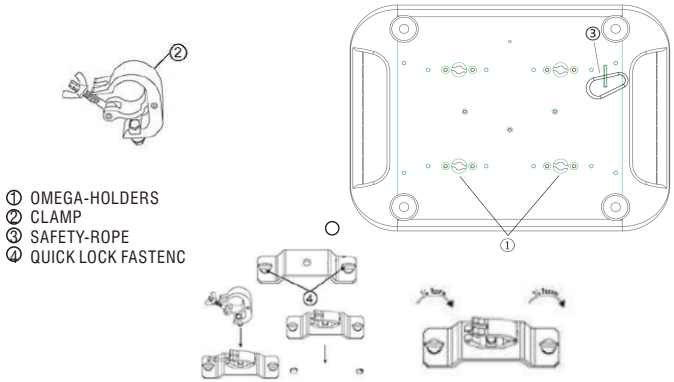
For added protection mount the fixture in areas outside walking paths,seating

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.

Never stand directly below the device when mounting,removing,or serving the fixture from a ceiling,or set on a flat level surface(see illustration below).Be sure his fixture is kept at least 0.5m(1.5ft)away from any flammable materials (decoration etc.)
Always use and install the supplied safety cable as a safety measure to prevent rotation at variable speed, rotation, flow and flame effectaccidental damage and /or injury in the event the clamp fails.

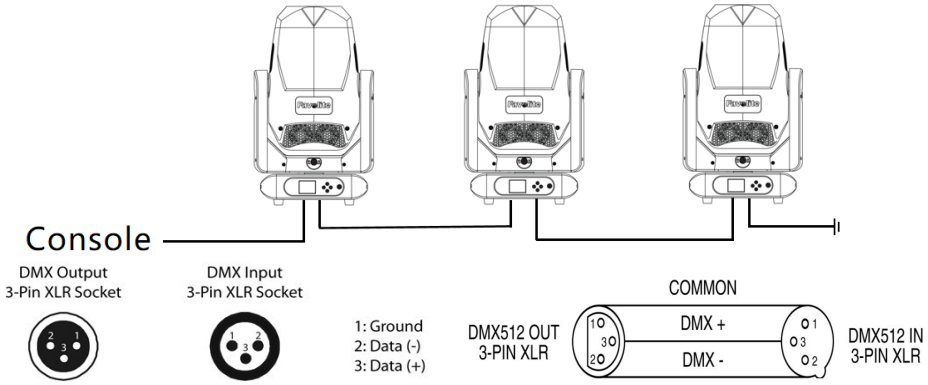
Mounting points:
Overhead mounting requires extensive experience, including amongst others calculating working load limits,a fine knowledge of the installation material being used,and periodic safety inspection of all installation material and the fixture.
If you lack these qualifications,do not attempt 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:
Vader Profile 750 provides a unique mounting bracket assembly that integrates the bottom of the base,the included OMEGE 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 clamp to the included omega braceket using a M10 screw fitted through thecenter hole of the OMEGE BRACKET.



5.DMX 512 Control connection

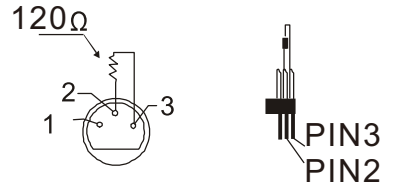
Connect the provice XLR cable to the female 3 pin XLR Output of your control and the other side to the male 3-pin XLR input of the moving head,You can chain multiple Movng head together through serial linking.The cable needed should be two core, screened canle with XLR input and output connectors.Please refre to the diagram below.DMX-512 Connection with DMX terminator.



23	19	Prism1 Rotation	188~191	Stop
			192~255	Rotate Right Slow To Fast
24	20	Zoom	0~255	
25		Zoom 16bit	0~255	
26	21	Focus	0~255	
27		Focus 16bit	0~255	
28		Auto Focus Distance	0~3	Do Not Use Auto Focus
			4~63	5M
			64~127	7.5M
			128~191	10M
			192~255	15M
29		Auto Focus Distance Fine	0~255	Continuous AdjustmentWithin The Above Distance Range
30	22	Iris	0~127	Open To Close
			128~135	Close
			136~173	Iris Movement 1
			174~211	Iris Movement 2
			212~249	Iris Movement 3
			250~255	Close
31	23	Frost1	0~9	No Effect
			10~255	Liner Frost
32	24	Frost2	0~9	No Effect
			10~255	Liner Frost
33	25	Flame On/Off	0~7	No Flame Effect
			8~255	Flame Effect Linear Insertion
34	26	Flame Wheel	0~7	No Effect
			8~127	Rotate Left
			128~135	Rotate Stop
			136~255	Rotate Right
35	27	Frame 1A	0~255	
36	28	Frame 1B	0~255	
37	29	Frame 2A	0~255	
38	30	Frame 2B	0~255	
39	31	Frame 3A	0~255	
40	32	Frame 3B	0~255	
41	33	Frame 4A	0~255	
42	34	Frame 4B	0~255	
43	35	Frame Angle	0~7	No Effect
			8~239	Angle
			240~255	Rotate Left And Right
44		Frame Angle Fine	0~255	
45	36	Frame Macro	0~3	No Effect
			4~255	Total 63 Effects(One Effect Per 4)
46		Scan Speed	0~15	Scan Speed Fastest
			16~31	Scan Speed Fast
			32~47	Scan Speed Slow
			48~63	Scan Speed Slowest
			64~255	Reserve
47	37	Control	0~19	No Used
			20~29	Reset All
			30~39	Reset Pan,Tilt
			40~49	Reset Colour,Gobo,CMY,CTO

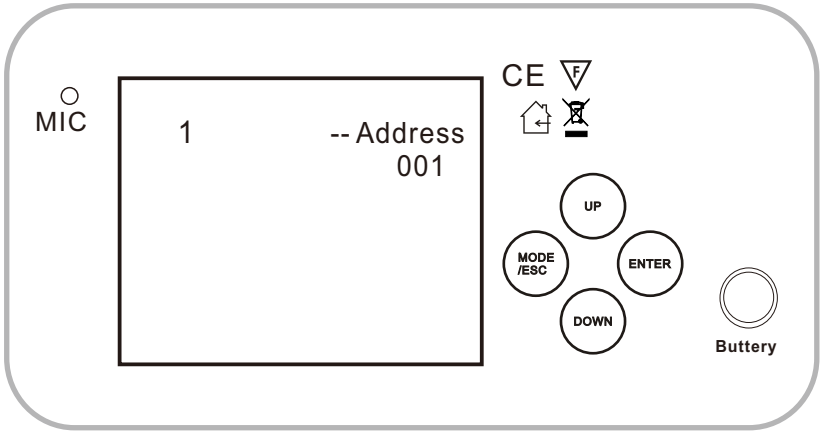
12	11	Rotating Gobo	64~71	No Gobo
			72~79	Gobo0 Shake From Slow To Fast
			80~87	Gobo1 Shake From Slow To Fast
			88~95	Gobo2 Shake From Slow To Fast
			96~103	Gobo3 Shake From Slow To Fast
			104~111	Gobo4 Shake From Slow To Fast
			112~119	Gobo5 Shake From Slow To Fast
			120~127	Gobo6 Shake From Slow To Fast
			128~135	Gobo7 Shake From Slow To Fast
			136~195	Rotate Left
			196~255	Rotate Right
13	12	Gobo Rotation	0~3	No Effect
			4~123	Rotating Gobo Angle
			124~187	Rotate Left
			188~191	Stop
			192~255	Rotate Right
14	13	Gobo Rotation Fine	0~255	
15	14	Dimmer	0~255	
16		Dimmer Fine	0~255	
17	15	Strobe	0~3	Open
			4~67	Open<-->Close
			68~99	Close->Open
			100~131	Open->Close
			132~175	Half Open And Half Close
			176~247	Pulse Strobe
			248~251	Synchronous Random Strobe
			252~255	Asynchronous Random Strobe
18		Dimmer Frequency & Speed	0~31	8333Khz Auto Fade
			32~63	8333Khz No Fade
			64~95	600Hz Auto Fade
			96~127	600Hz No Fade
			128~159	300Hz Auto Fade
			160~191	300Hz No Fade
			192~113	1200Hz Auto Fade
			224~255	1200Hz No Fade
19		Dimmer Curve	0~31	Square Law
			32~63	Linear
			64~95	Inverse Square Law
			96~127	S-Curve
			128~255	Reserve
20	16	Prism1	0~31	No Prism
			32~255	Prism On
21	17	Prism1 Rotation	0~3	Prism Stop
			4~123	Prism Angle
			124~187	Rotate Left Fast To Slow
			188~191	Stop
			192~255	Rotate Right Slow To Fast
22	18	Prism2	0~31	No Prism
			32~255	Prism On
23	19	Prism1 Rotation	0~3	Prism Stop
			4~123	Prism Angle
			124~187	Rotate Left Fast To Slow

For installations where the DMX cable has to run a long distance or is in an electrically noisy enviromentsuch as in a disco,it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control singal by electrical noisy. The DMX terminator is simply an XLR plug with a 120 resistor connected between pins 2and 3,which is then plugged into the output XLR Socket of the last fixture in the chain. Please see illustrations

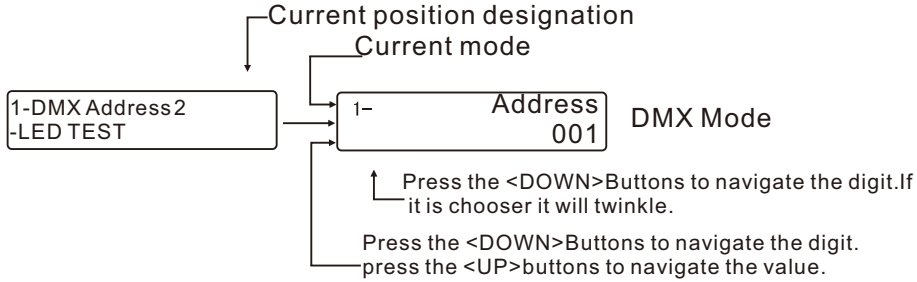


The control Display

6.Top menu,present the current opertion



Press the <UP>or<DOWN>button repeated until you reach the desired menu function. Press the <ENTER>button to select the menu function currently displayed, or to enable menu option.To reture the previous option or menu without changing the value.Press the<MODE/ESC>button



Power on the moving head light,press the <MODE/ESC> or<ENTER>button , no any movement.

Press the Battery button to set the DMX address.Pls use **3.7V rechargeable lithium ion battery**, don't use others. Ni-MH batteries, lithium iron phosphate batteries, non-rechargeable batteries, and lithium batteries of other voltages cannot be placed,otherwise, it may cause an explosion after charging.

7.Menu for Control Display

MASTER PROJECT		INSTRUCTION FOR USE
INFORMATION	ADDRESS	1~512
	RUNTIME	TIME
	VERSION	
	TEMPERATURE	MAIN BOARD
		LIGHT SOURCE
	FAN SPEED	
	ERROR MESSAGE	
SETTING	RESET	REBOOT
		DEFAULT DATA
	CHANNEL SET	37/47
	SIGNAL	DMX512/ARTNET/PROGRAM
	OFFLINE SET	HOME/HOLD
	FAN MODE	NORMAL/PERFORMANCE/QUIET
	WIRELESS SET	ON/OFF
	ADJUST	
	ARTNET SET	IP address
		Subnet mask
		Universe
LAMP	AUTO ON	NC
	LIGHT UP	NC
	LAMP ADJUST	NC
	LAMP FAIL	NC
DISPLAY	LANGUAGE	ENGLISH/CHINESE
	BACKLIGHT	ON/OFF/FLASH
	REVERSE	ON/OFF/AUTO
USER	SETTING LOCK	Input code
	KEY LOCK	ON/OFF
	TEST	ON/OFF
	PROGRAM	SELECT PROGRAM 1~8
		PROGRAM 1~8

Note:
1.Above all projects to the actual lighting shall prevail, no notice if there is further modification;
2.The programming function provides only a very limited operation, in the case of no control units to use. Generally do not recommend
the use of manual programming;
3.In the absence of the DMX512 signal, only need to set up first items, namely the address code can be used lamps.

8. 47/37 Control Channels

47CH	37CH	Function	DMX value	Feature
1	1	Pan	0~255	
2	2	Pan fine	0~255	
3	3	Tilt	0~255	
4	4	Tilt fine	0~255	
5	5	Colour wheel	0~7	No Colour
			8~15	Colour1
			16~23	Colour2
			24~31	Colour3
			32~39	Colour4
			40~47	Colour5
			48~55	Colour6
			56~63	No Colour
			64~221	Colour Arbitrary Positioning
			222~238	Rotate Left
			239~255	Rotate Right
6		Colour wheel fine	0~255	
7	6	Cyan	0~255	
8	7	Magenta	0~255	
9	8	Yellow	0~255	
10	9	Colour temperature	0~255	
11	10	Fixed gobo	0~7	No Gobo
			8~15	Gobo1
			16~23	Gobo2
			24~31	Gobo3
			32~39	Gobo4
			40~47	Gobo5
			48~55	Gobo6
			56~63	Gobo7
			64~71	Gobo8
			72~79	No Gobo
			80~87	Gobo0 Shake From Slow To Fast
			88~95	Gobo1 Shake From Slow To Fast
			96~103	Gobo2 Shake From Slow To Fast
			104~111	Gobo3 Shake From Slow To Fast
			112~119	Gobo4 Shake From Slow To Fast
			120~127	Gobo5 Shake From Slow To Fast
			128~135	Gobo6 Shake From Slow To Fast
			136~143	Gobo7 Shake From Slow To Fast
			144~151	Gobo8 Shake From Slow To Fast
			152~203	Rotate Left
			204~255	Rotate Right
12	11	Rotating Gobo	0~7	No Gobo
			8~15	Gobo1
			16~23	Gobo2
			24~31	Gobo3
			32~39	Gobo4
			40~47	Gobo5
			48~55	Gobo6
			56~63	Gobo7