

SHEHDS®

Make any stage the BIG STAGE

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USER'S MANUAL

380W Beam Moving Head Light

With Ring version



CAUTION! Keep this device away from rain and moisture!

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY

BEFORE YOU INITIAL START - UP!

M-Maintenance

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.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

During the operation the housing becomes hot). Allow the fixture to cool approximately 20 minutes prior to manipulate with it.

Make sure that the available voltage is not higher than stated on the rear panel.
to completely remove power from unit when not in use or before cleaning or servicing the fixture.

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.
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.

This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
The electric connection, repairs and servicing must be carried out by a qualified employee.
Do not connect this device to a dimmer pack.
Do not switch the fixture on and off in short intervals as this would reduce the fixture's life.

During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
Do not touch the device's housing bare hands during its operation (housing becomes hot).
For replacement use fixtures and fuses of same type and rating only.



CAUTION!

VORSICHT! Be careful with your operations.

With a high voltage you can suffer a dangerous electric shock when touching the wires!

2-Operating determination

Attention: The powerCON is a connector without breaking capacity, i.e. the powerCON should not be connected or disconnected under load or live!

This device is a moving head for creating decorative effects and was designed for indoor use only.

This device is for professional use only. It is not for household use.

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

Before switching the fixture OFF, turn the fixture OFF and allow the fixture to cool for a while.

Never run the device without fixture!

Do not shake the device. Avoid brute force when installing or operating the device.

Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged.

Always hold the fixture at the transport handles.

When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

The minimum distance between light output and the illuminated surface must be more than 3 meters.

Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.

Always fix the fixture with an appropriate safety rope. 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 fixture must never be ignited if the objective-lens or any housing-cover is open, as discharge fixtures may explode and emit a high ultraviolet radiation, which may cause burns.
The maximum ambient temperature 45°C must never be exceeded.

3-Attention Item

1.For guarantee the life of product,please do not put it on the wet place and not use it the place

over 40 degree.
2.Please don't lay the product on the un-fixable or shakable place.

3.Ask for the professional to maintain the product in order to avoid the danger of get an electric shock.

4.Power supply should not be changed over +&-10% while the light is using,It will be decreased the life of fixture if the power is too high,but it will be influenced the luminosity if the power is too low.

5.After power off,if it is need used again,please cool down over 20 minuter.

6.Please look round the manual for ensure the product can be used normally.

4-Rigging the fixture

A structure intended for installation of the fixture(s) must safely hold weight of the fixture(s) placed on it.The structure has to be certificated to the purpose.

The fixture (fixtures) must be installed in accordance with national and local electrical and construction codes and regulation.

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

approved by a skilled person once a year.

Allow the fixture to cool for ten minutes before handling.

The projector should be installed outside areas where persons may walk by or be seated.

IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE

Including calculating working load limits, Installation material being used, and periodic safety inspection of all installation material and the projector.If you lack these qualifications, do not attempt the installation yourself, but use a help of professional companies.

CAUTION: Fixtures may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do not install the fixture!

The fixture has to be installed out of the reach of public.

The fixture must never be fixed swinging freely in the room.

Danger of fire !

When installing the device, make sure there is no highly inflammable material (decoration articles, etc.) in a distance of min. 1 m.

The minimum distance of 8 meters between light output from the moving head and the lit objects must be kept!

CAUTION!

Use 2 appropriate cfixtures to rig the fixture on the truss.

Follow the instructions mentioned at the bottom of the base.

Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.

The fixture can be placed directly on the stage floor or rigged in any orientation on a truss without altering its operation characteristics.

For securing a fixture to the truss, install two safety wires which can hold at least 10 times the weight of the fixture. Use only the safety wires with screw-on carabiners.

The operator has to make sure that safety-relating and machine-technical installations are

5-DMX-512 connection

The fixture is equipped with both 3-pin sockets for DMX input and output. The sockets are wired in parallel.

Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

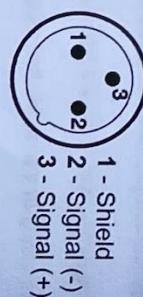
DMX - output

XLR mounting-sockets (rear view):

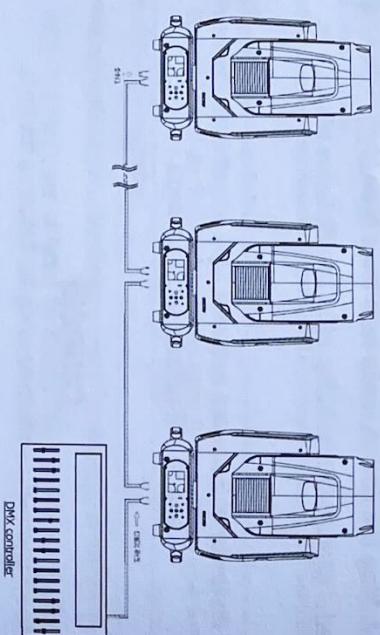


DMX-input

XLR mounting-plugs (rear view):



Building a serial DMX-chain:



6-Technical Specifications

Voltage:	AC90V - 240V / 50 - 60Hz	Pan/Tilt:	540°/190°
Output Power:	460W	Dimmer:	0-100% Linear dimmer
Light source:	380W Bulb white color	Effect:	Frost wash
Beam angle:	1.9 degrees	Prism 1:	8 face prism and rotating
Control mode:	DMX512/Master-Slave/Auto/Sound	Prism 2:	8x8x8 face prism and rotating
Channel:	19 CH	Product Size:	55.5x34.5x25 cm
Color wheel:	14 colors + open	Product weight:	16.15kg
Gobo wheel:	16 gobos + open	Package Size:	50x46x42.5 cm
Rainbow wheel:	6 colors	Package weight:	19.85 kg
Function:	RDM. Intelligent temperature control, DMX monitor, Manual control		

7-Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not build up on or within the fixture. Otherwise, the fixture's light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably throughout its life.

A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

DANGER !

Disconnect from the mains before starting any maintenance work
fixture. Always connect one output with the input of the next fixture until all fixtures are connected. Up to 32 fixtures can be connected.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator.

Solder a 120 Ω resistor between Signal (-) and Signal (+) into a 3-pin (5-pin) XLR-plug and plug it in the DMX-output of the last fixture.

Remove dust and dirt from the fans and cooling vents using a soft brush and vacuum-cleaner.

Important! Check the air filters periodically and clean before they become clogged!

Clean two air filters placed in the fixture's covers and two in the fixture base. Use a vacuum cleaner, compressed air or you can wash them and put back dry.



After the system is powered on the graphical interface will be displayed to reset and initialize the entire system. At the same time the functional status of the system will be checked. If there is an error or a certain function is not normal, the square in the upper right corner of the screen will turn red after the reset is completed to indicate an error. You can view error messages in the 'Information Menu/Error Messages/View' section.. Normally green.

9-Control Menu

8-Replacing the fuse.

Before replacing the fuse, unplug mains lead.

1. Remove the **fuse holder** on the rear panel of the base with a fitting screwdriver from the housing(anti-clockwise).
2. Remove the old fuse from the **fuse holder**.
3. Install the new **fuse** in the **fuse holder** (only the same type and rating).
4. Replace the **fuse holder** in the housing and fix it.

Checking plastic parts of the fixture.

The plastic parts of the fixture should be checked for damages and beginning cracks at least every two months.

System menu description:

Reve	Invert the screen display
Exit	Exit to the Home screen
语言	Choice of Simplified Chinese or English
Standard	Address codes and some commonly used function settings
Advanced	Main debugging parameter settings at the factory
Info	Display of errors, software versions, and other information
Program	Manually control operation or edit user programs
Perform	Automatic or voice controlled running of built-in programs
Reset	System reset to initial position

10-Control menu map

Menu		Function
Standard	Default Set	Enter Restore factory default parameters
	Address	001-512 Set lamp address code
	DMX mode	Mode 1 / Mode 2 DMX channel mode
	Effect mode	Yes / No The effect disc automatically searches for the shortest distance to rotate and run
	Started lamp	On / Off Choose whether the light bulb 'on' or 'off' each time it is activated
	Switch lamp	On / Off Manually turn on and light up the bulb
	No signal	Hold Keep the value of the DMA channel
		Clear Zero the value of the DMA channel
	UI Color	Blue Choose screen menu color
		Golden
	Show time	Yes / No Display the running time timer on the Home screen
	Brightness	000-255 Adjusting screen brightness
	Effect sync	Off 1-7 Effect Speed: Off / Speed 1-7
	Screensaver	Off/on Turn off screen when there is no action
	XY encoder	No/Yes XY automatic error correction function
	X inversion	No/Yes Invert pan
	Y inversion	No/Yes Invert tilt
	Focus inversion	No/Yes Invert focus
	Zoom inversion	No/Yes Invert zoom
Advanced	This setting is the main parameter setting for the lighting fixture and requires permission	
Info	Error List	No error/View View errors
	DisplayVer	1A238182 Current Display Version
	MainboardV	20230713 Current Mainboard Version

Serial NO.	xxxxxxx	Equipment factory number
SYS timer	000.0H	Current system runtime
Run timer	00000.0H	Total system running time (hours)
Lamp timer	000:00	Operating time after this power on (hours)
Permissin	-----	Permissin
Equip TEMP	000	Current fixture temperature
Head TEMP	000	Current lamp temperature
FAN 1 Speed	0000 RPM	Current Fan 1 Speed
FAN 2 Speed	0000 RPM	Current Fan 2 Speed
Pan Coder		Pan Condition monitoring
Tilt Coder		Tilt Condition monitoring
Run mode	Auto/Sound	Run auto /sound mode
Run speed	0-255	Set the speed for automatic program operation
Run cross	0-255	Set step fade speed
Built-in 1	Off/on	Device built-In test program 1
Built-in 2	Off/on	Device built-In test program 2
User PRO 1	Off/on	User self programmed program 1
User PRO 2	Off/on	User self programmed program 2
User PRO 3	Off/on	User self programmed program 3
User PRO 4	Off/on	User self programmed program 4
Circle shape	Off/on	(No function)
Square shape	Off/on	(No function)
Shape range	000-255	(No function)
Sound DB	000-255	Adjusting voice sensitivity
Program	View the following detailed Instructions	
Reset	System reset to initial position	

PRO01	=001	MANU	Back
Copy	Past	Zero	Save
CH1	000	000	000
CH5	000	000	000
CH9	000	000	000
CH13	000	000	000

Programming function description:

1: This function can program up to 4 user programs, which can be run in series. That is to say, the programmed 4 programs can be switched on simultaneously in the "Test Run" function. When running, program 1 is run first, then program 2, then program 3, then program 4, and then loop back to program 1, and so on. Of course, it can also be run by single selection.

Press the reset button to reset the current channel value.

2: The operations that programming function buttons can achieve:
Select program, read program, select step, delete step, manually or console input, copy current step, paste to selected step, reset current step, save to selected program space

Manual control programming:

Select the PR01~4 that needs to be saved to, manually control and set the channel values for one step, and then click step (the number button represents step)

Press the up and down buttons to proceed to the next step. Manually control the setting of channel values again, and so on in the next step.

Delete step:

If there are too many programming steps, you can delete the following steps. Select the step button and press the 'Next' button to return to the unnecessary step. At this point, the number of steps is displayed as >0XX. Press and hold the OK button for 3 seconds to delete the subsequent steps. The display changes to =0XX.

Copy step:

Press the copy button to copy all channel values of the current step and temporarily store them in the memory paste board.

Paste steps:

After copying, you can choose to go to any step and paste the channel values of the pasteboard into the currently selected step channel.

Read program and re edit program:

As shown in the figure, select the PR01-

5. Console control programming:

This device provides a more convenient console input programming function, which can also be used to step by step input the

program of the console, achieving the function of copying the program programmed by the console.

As shown in the figure, select the manual/console input mode as the console.

At this point, all channel values are inputted by the DMA control panel, which is invalid for manual operation, pasting, and resetting. All channel values are displayed in real-time as the DMA values.

At this point, programming only requires input from the control panel, or the control panel can run the programmed steps in one step, which is to enter the control panel program. Here, the device only needs to click on the next number and press the up arrow to achieve programming.

Save program:

After each step is programmed through manual input or console input, this programming can be saved. Please confirm the selected save location PR01- PR04. Please note that the save step length is equal to the step value of =0XX, rather than seeing a step value greater than 0XX. Please delete the remaining steps first, refer to 'Delete Steps', and then press 'Save'.

PRO01	Read	CONS	Back
Copy	Past	Zero	Save

PRO01	=001	CONS	Back
COPY	Past	Zero	Save

PR04 that needs to be read, click the step button, and then press the <down>button to display

"Read". At this point, press the OK key to read the selected program. The displayed value after

reading is the maximum step value of the current program. If the program is empty, it will be

displayed as' Empty 'or' No '

At this point, you can re edit the program that has already been read out. After editing, press

Save to overwrite the current program, or select another PR01- PR04 space to save as.

At this point, you can re edit the program that has already been read out. After editing, press

Save to overwrite the current program, or select another PR01- PR04 space to save as.

Run program:

If you need to run a program that has been programmed and saved, please return to the "Test Run/Performance" function menu, click to select the corresponding user

Running	Back
Run mode	DMX
Run speed	240
Run cross	255
Built-in	ON
Built-in	OFF

program, and switch to "On"

10-DMX Channel

DMX Channel Summary-19 Channels Mode

Channel	Value	Features
0-4	White	
5-9	White + Color 1	
10-14	Color 1 <i>Rot</i>	
15-19	Color 1 + Color 2	
20-24	Color 2 <i>Red</i>	
25-29	Color 2 + Color 3	
30-34	Color 3 <i>Blue</i>	

CH1	Color	CH2	Strobe
0-4	White	0-3	Off
5-9	White + Color 1	4-103	Shutter slow - fast
10-14	Color 1 <i>Rot</i>	201-255	Anti clockwise Rotation
15-19	Color 1 + Color 2	150-200	Clockwise Rotation
20-24	Color 2 <i>Red</i>	145-149	Color 14 + White
25-29	Color 2 + Color 3	135-139	Color 14 <i>Orange</i>
30-34	Color 3 <i>Blue</i>	140-144	Color 14 <i>Orange</i>
		104-107	Open
		35-39	Color 3 + Color 4
		40-44	Color 4 <i>Green</i>
		45-49	Color 4 + Color 5
		50-54	Color 5 <i>Pink</i>
		55-59	Color 5 + Color 6
		60-64	Color 6 <i>Light Blue</i>
		65-69	Color 6 + Color 7
		70-74	Color 7 <i>UV?</i>
		75-79	Color 7 + Color 8
		80-84	Color 8 <i>Green</i>
		85-89	Color 8 + Color 9
		90-94	Color 9 <i>Orange / Amber</i>
		95-99	Color 9 + Color 10
		100-104	Color 10 <i>White Blue</i>
		105-109	Color 10 + Color 11
		110-114	Color 11 <i>Beige</i>
		115-119	Color 11 + Color 12
		120-124	Color 12 <i>Magenta</i>
		125-129	Color 12 + Color 13
		130-134	Color 13 <i>White</i>
		135-139	Color 13 + Color 14
		140-144	Color 14 <i>Orange</i>
		145-149	Color 14 + White
		150-200	Clockwise Rotation
		201-255	Anti clockwise Rotation

108-207	Shutter slow - fast	76-79	Gobo 5 shake	
208-212	open	80-83	Gobo 6 shake	
213-251	Random shutter slow - fast	84-87	Gobo 7 shake	
252-255	Open	88-91	Gobo 8 shake	
CH3	Dim	92-95	Gobo 9 shake	
	0-255	Dimming	96-99	Gobo 10 shake
	0-3	White	100-103	Gobo 11 shake
	4-6	Gobo 1	104-107	Gobo 12 shake
	7-9	Gobo 2	108-111	Gobo 13 shake
	10-12	Gobo 3	112-115	Gobo 14 shake
	13-15	Gobo 4	116-119	Gobo 15 shake
	16-18	Gobo 5	120-123	Gobo 16 shake
	19-21	Gobo 6	124-127	Gobo 17 shake
	22-24	Gobo 7	128-189	Clockwise Rotation
	25-27	Gobo 8	190-193	Stop
	28-30	Gobo 9	194-255	Anti clockwise Rotation
	31-33	Gobo 10		
	34-36	Gobo 11	0-31	No Prism
	37-39	Gobo 12	32-255	Prism on
	40-42	Gobo 13	0-127	0-360 ° rotation
	43-45	Gobo 14	128-190	Clockwise Rotation
	46-48	Gobo 15	191-192	Stop
	49-51	Gobo 16	193-255	Anti clockwise Rotation
	52-54	Gobo 17	0-32	No Prism
	55-59	White	33-255	Prism on
	60-63	Gobo 1 shake	0-127	0-360 ° rotation
	64-67	Gobo 2 shake	128-190	Clockwise Rotation
	68-71	Gobo 3 shake	191-192	Stop
	72-75	Gobo 4 shake	193-255	Anti clockwise Rotation

CH4	Gobo	CH5	Prism1	76-79	Gobo 5 shake
			0-31	No Prism	
			32-255	Prism on	
			0-127	0-360 ° rotation	
			128-190	Clockwise Rotation	
			191-192	Stop	
			193-255	Anti clockwise Rotation	
		CH6	Prism rot	0-32	No Prism
			33-255	Prism on	
			0-127	0-360 ° rotation	
			128-190	Clockwise Rotation	
		CH8	Prism rot	191-192	Stop
			193-255	Anti clockwise Rotation	

CH9	Fucos	0-255	Fucos
CH10	Pan	0-255	Pan movement
CH11	Pan fine	0-255	Pan fine movement
CH12	Tilt	0-255	Tilt movement
CH13	Tilt fine	0-255	Tilt fine movement
CH14	Speed	0-255	Pan&Tilt speed
		0-79	No function
CH15	Frost	80-159	Rianbow color on
		160-255	Frost on
		0-99	No function
		100-105	Delay Off
		106-149	No function
		150-155	Half power on (if supported)
CH16	Lamp	156-199	No function
		200-205	Delay On
		206-254	No function
		255-255	Reset after 5s
		0-9	No function
		10-49	Dim On
		50-89	Strobe
		90-129	Fade-in mode
		130-169	Fade-Out mode
		170-209	Fade-Out strobe
		210-249	Random strobe
		250-255	On
CH18	Effect	0-255	Loop effect select
CH19	Speed	0-255	Effect speed

11-Fault handling

Corresponding solutions have been proposed for some common faults. Any unresolved issues should be handled by professionals. Before maintaining the lighting fixtures, please disconnect the power supply.

1.The light bulb does not light up

- Check if a voltage matching the lamp is installed;
- Check for poor contact at the power supply connection or control switch of the lighting fixture;
- Check if the power supply is insufficient;
- Check if the DMX512 controller has sent instructions.

2.After the lamp is reset normally, it does not accept control from the control panel

- Check if the digital start address value and function options of the lighting fixtures are correct;
- Check if the connection of the communication control line is correct, if the communication line is too long or has been interrupted;
- Check if the control equipment is malfunctioning and if the signal amplifier connected in series is malfunctioning;
- Check if the communication line is too long or if there are other devices interfering with each other;
- Optimize wiring, shorten the length of control signal lines, and separate high-voltage and low-voltage lines for wiring;
- Add a signal amplifier;
- The signal line adopts high-quality shielded twisted pair;
- Connect the signal terminal resistor (120 ohms) at the end of the lamp.

3.The lamp cannot be activated

- Check whether the power supply parameters match the lighting fixtures;
- Inspect the lighting fixtures for poor contact during long-distance transportation due to compression deformation, internal component vibration, moisture, and other reasons
- Or fall off.
- Please check if the internal wires and connectors of the lamp have fallen off or become loose.
- Check if the electronic components of the lighting fixtures (such as electronic transformers, PCB boards, motor control boards, etc.) are loose, short circuited, or burnt out.

4. During operation, the X-axis or Y-axis of the lighting fixture does not operate normally

- Check one by one according to the previous step;
- Check whether the transmission belts corresponding to the X and Y axis directions inside the lamp are detached or broken;
- Check if the data feedback receiver (optocoupler) corresponding to the X and Y directions inside the lamp is damaged;
- Restart and reset once.

12-Accessories list

Quick lock x 2

Power cable x 1

Dmx512 cable x 1

Manual x 1