Theatre Spot 500

CONTENTS

01/ Safety Information

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

WARNING

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction 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.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is for indoor use only. Use only in a dry location.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0℃. Maximum ambient temperature TA: 40℃. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack.
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 55℃. DO NOT touch the housing bare-handed during its operation.
- Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut

off the mains power immediately.

- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 1 meter.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

AC Power	100-240V~ 50/60Hz	
Max. Power Consumption	460W	
Light Source	C117HC1462-450-001-5595 (CW)	
	C117HC1462-450-001-3295 (WW)	
Color Temperature	5600K (CW)	
	3200K (WW)	
Zoom Range	14°-74°	
Control and Programming	DMX Channels	4/6
	Protocols	DMX512
		RDM
		Art-Net
		sACN
		Primary/Secondary Mode
	Firmware Update	via DMX
Construction	Display	LCD display
	DMX and RDM Data In/Out	5-pin XLR (optional with 3-pin XLR)
		RJ45 Connectors
	Power In/Out	Power Connector in/out
	Protection Rating	IP20
Dynamic Effects	0-100% smooth dimming + Manually dimmer control	
	Choice of four dimming curves	
	Motorized zoom + Manually zoom control	
Dimensions	320x569x462mm	12.6"x22.4"x18.2"
Weight	13 kg	28.7 lbs

320mm 353mm 462mm 569mm
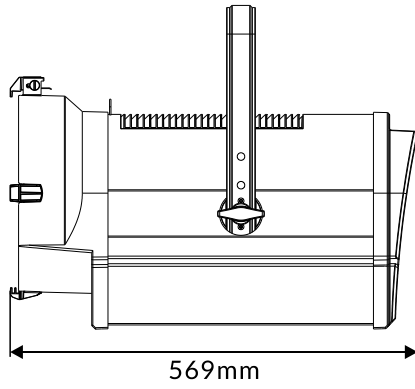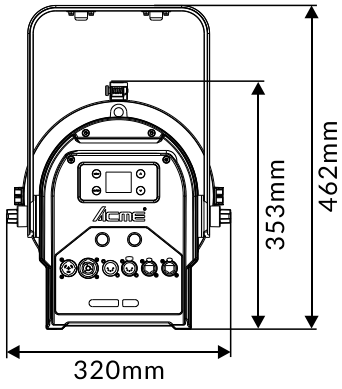
Photometric Diagram:
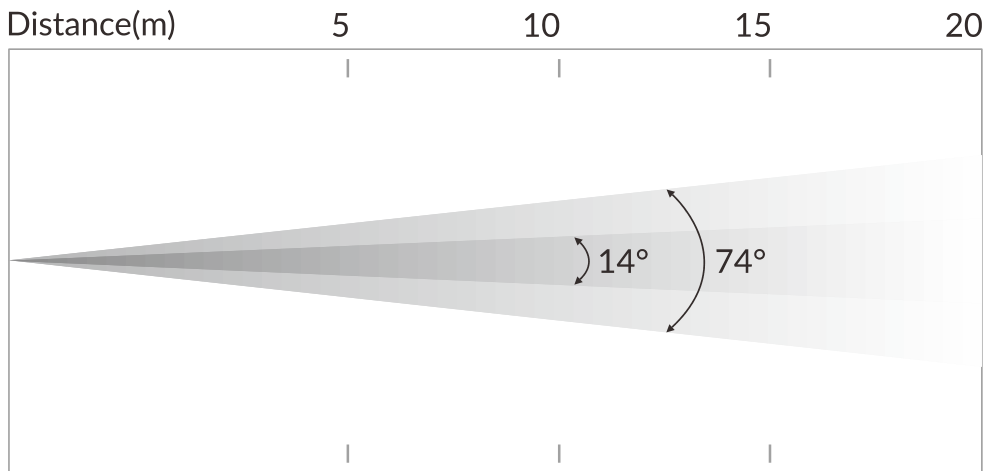
Distance(m) 5 10 15 20

14° 74°

	5	10	15	20
14° CW Lux	12,576	3,144	1,397	786
14° WW Lux	11,328	2,832	1,258	708
Diameter(m)	1.2	2.4	3.6	4.9
74° CW Lux	2,200	550	244	137
74° WW Lux	1,950	487	216	121
Diameter(m)	5.1	9.8	14.4	19.1
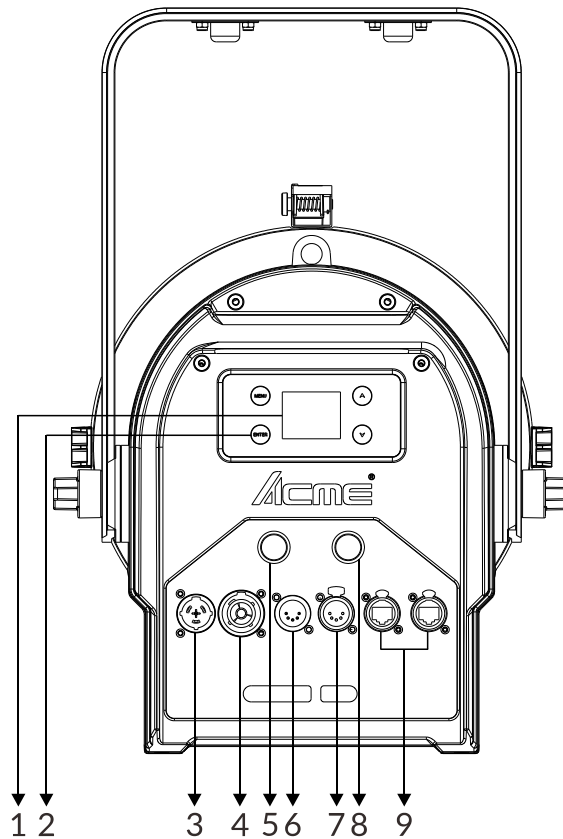
1. Display	To show the various menus and the selected function	
2. Buttons	MENU	To enter into move backward or leave the menu
	⌃ UP	To go backward to move up in the menu
	⌄ DOWN	To go forward to move down in the menu
	ENTER	To perform the desired functions
3. POWER IN	To connect to supply power	
4. POWER OUT	To connect to the next fixture	
5. DIMMER	Manually adjust the dimmer value	
6. DMX IN	For DMX512 link, use 5-pin XLR cable to link the unit and DMX controller to input DMX signal (optional with 3-pin XLR)	
7. DMX OUT	For DMX512 link, use 5-pin XLR cable to link the next units to output DMX signal (optional with 3-pin XLR)	
8. ZOOM	Manually adjust the zoom value	
9. ETHERNET	Transfers fixture's information to a main controller	

4.1 Connecting Power

This fixture can operate on any 100-240V~ 50/60Hz AC mains power supply.

The maximum power consumption is 460W.

The fixture must be grounded/earthed and able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection.

Wiring and connection work must be carried out by a qualified electrician.

The power cable color coding is given in the figure below:

| Wire	Color (US)	Wire	Color (EU)	Symbol	Conductor
▬▬▬	black	▬▬▬	brown	L	live
▬▬▬	white	▬▬▬	blue	N	neutral
▬▬▬	green	▬▬▬	yellow/green	⏚ or ⏚	ground (earth)

CAUTION!

DO NOT CONNECT THE FIXTURE TO AN ELECTRICAL DIMMER SYSTEM AS DOING SO MAY CAUSE DAMAGE.

4.2 Connecting Data

The fixture is equipped with 5-pin (or 3-pin) XLR sockets for DMX input and output. Use a high-quality DMX cable designed for RS-485 and 5-pin (or 3-pin) XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

Building a serial DMX chain:

Connect the DMX data output from the controller to the fixture's data input socket. Connect the DMX output of the first fixture in the DMX chain with the DMX input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected. Up to 32 fixtures can be connected to the same DMX link. Terminate the DMX out cable of the last fixture in the data link with a 120 ohm DMX terminator.
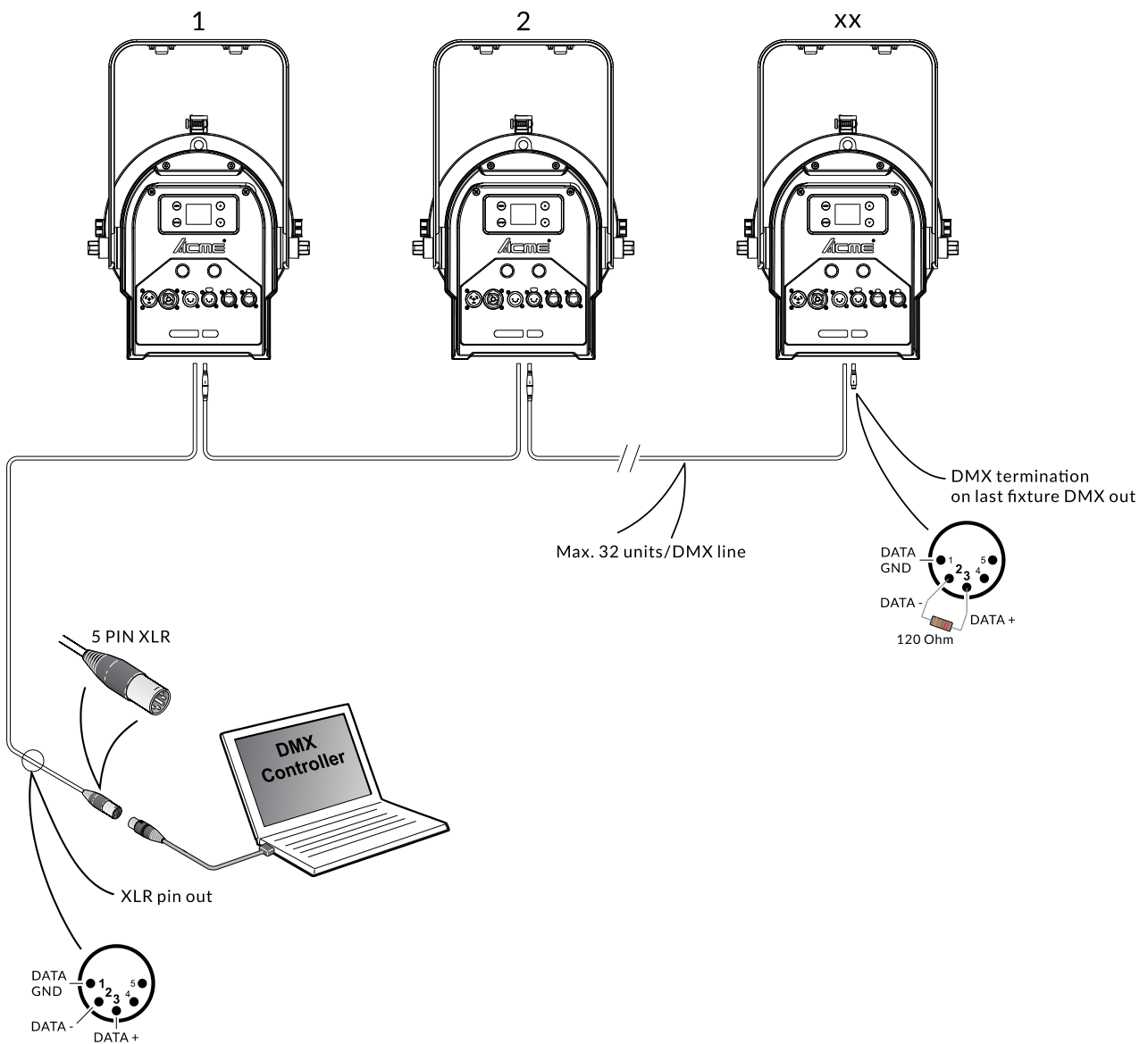
▶ DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.

▶ Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always attach a safety cable that can hold at least 12 times the weight of the fixture whenever installing this fixture in a suspended environment to ensure that the fixture will not fall if the clamp fails.

▶ This fixture is fully operational in two different mounting positions: hanging on trussing, or standing on the floor. DO NOT mount this fixture sideways on trussing. Always use and install a safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

5.1 Hanging the Fixture

CLAMP
ATTACHMENT POINT
φ 13.7mm

107mm

OMEGA
BRACKET
ATTACHMENT
POINTS

SAFETY CABLE
ATTACHMENT POINT
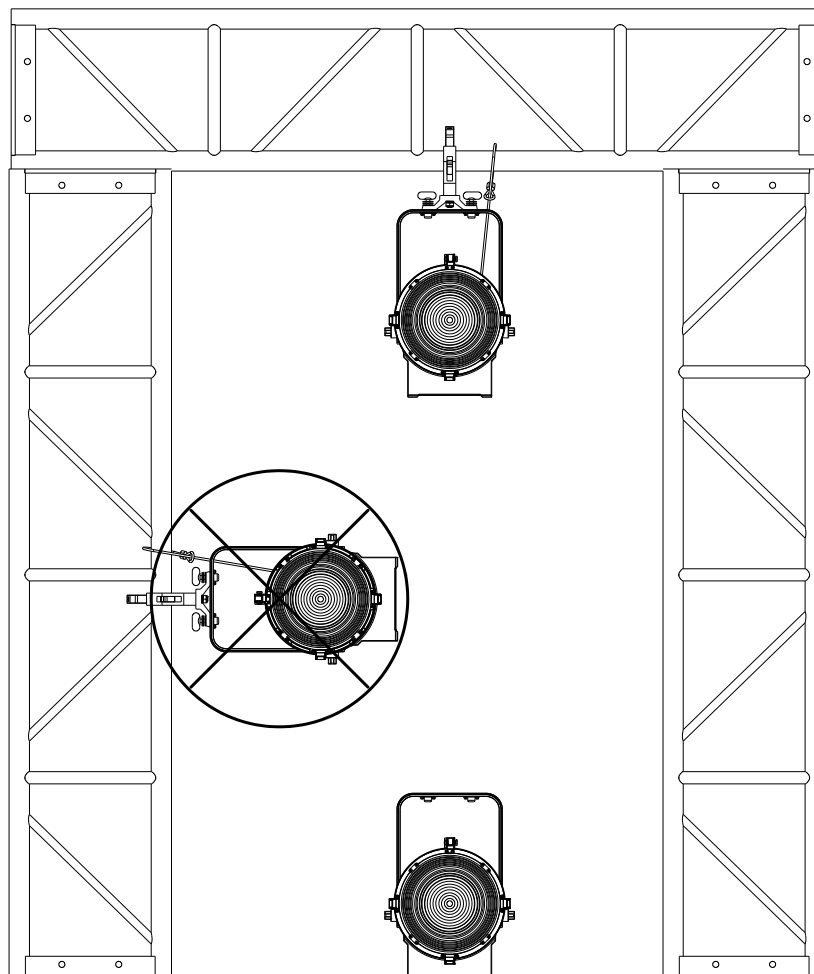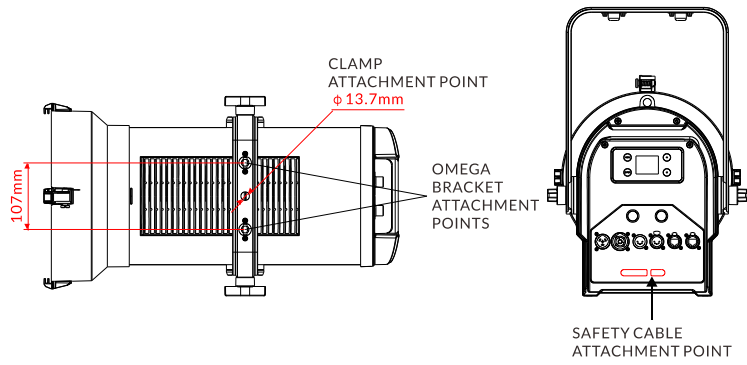
Steps for installing the clamp:

SAFETY CABLE

CLAMP
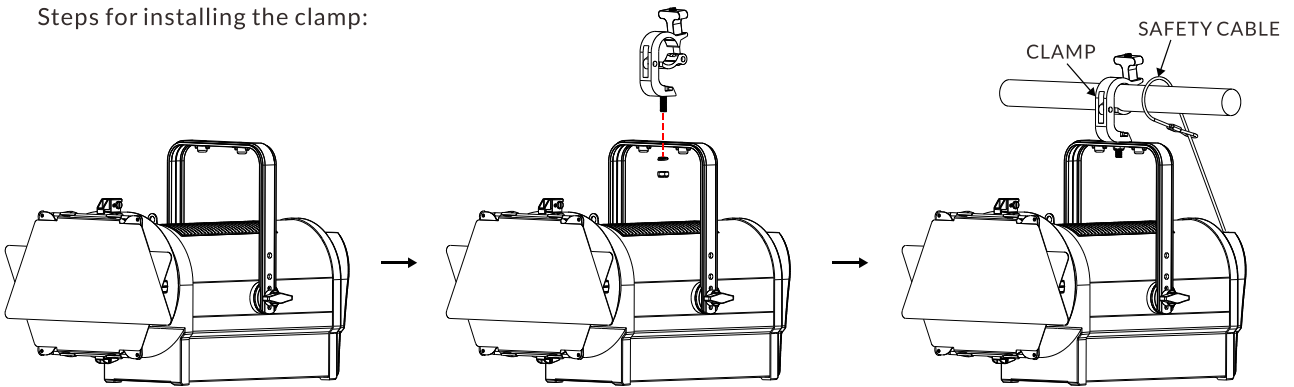
Steps for installing the omega bracket:

SAFETY CABLE

CLAMP

OMEGA BRACKET
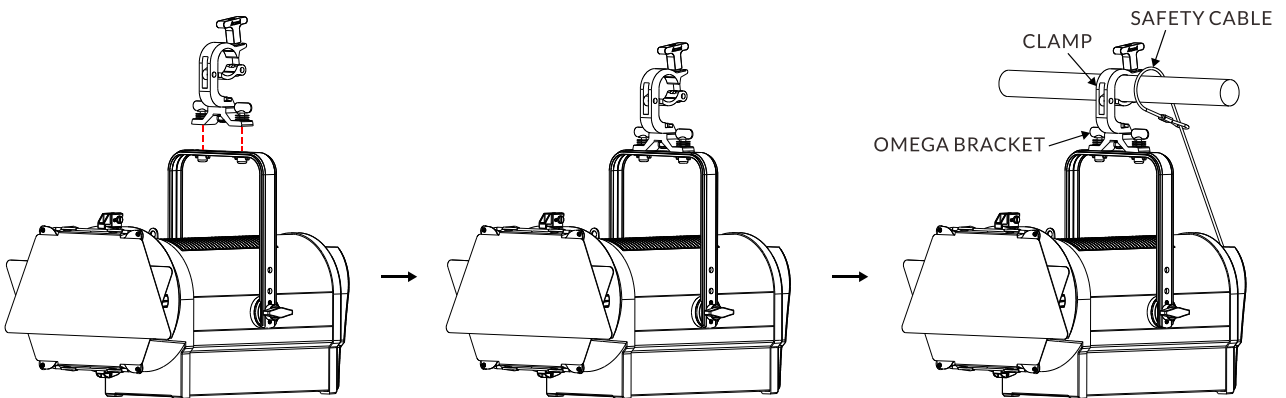
5.2 Gel Frame & Barn Door Installation

As shown in the figure, press the button on the lock catch in the direction indicated by the arrow ① to open the lock catch ②.
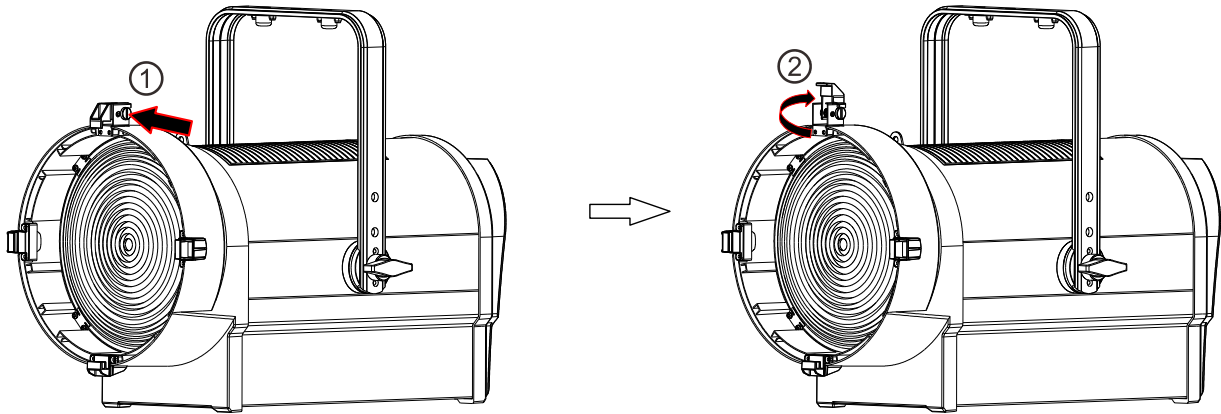
According to the direction indicated by the arrow, insert the gel frame into the inner groove (the groove on the inside) from top to bottom ③.
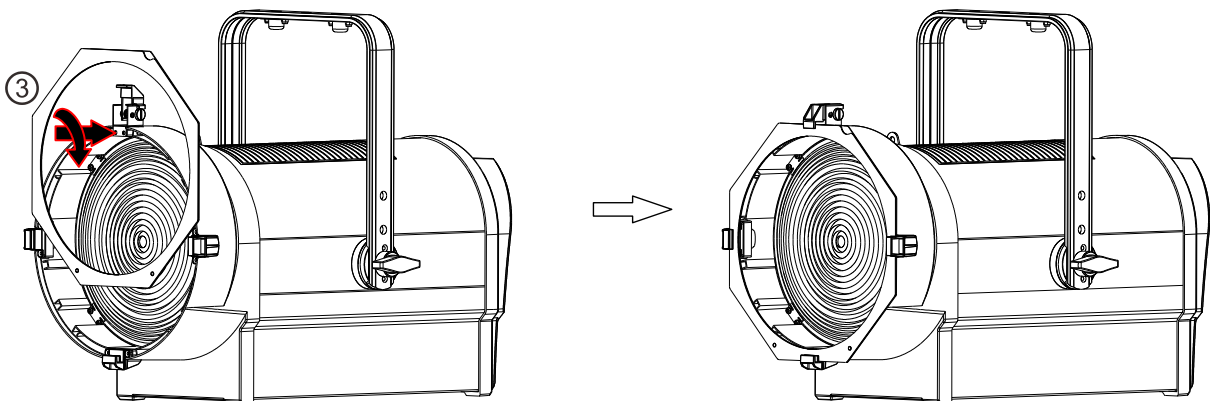
According to the direction indicated by the arrow, insert the barn door into the outer groove (the groove on the outside) from top to bottom ④. Pull down the lock catch (note: the barn door should be buckled in the hook of the lock catch) ⑤, and re-lock the lock catch to prevent the barn door and the gel frame from slipping.
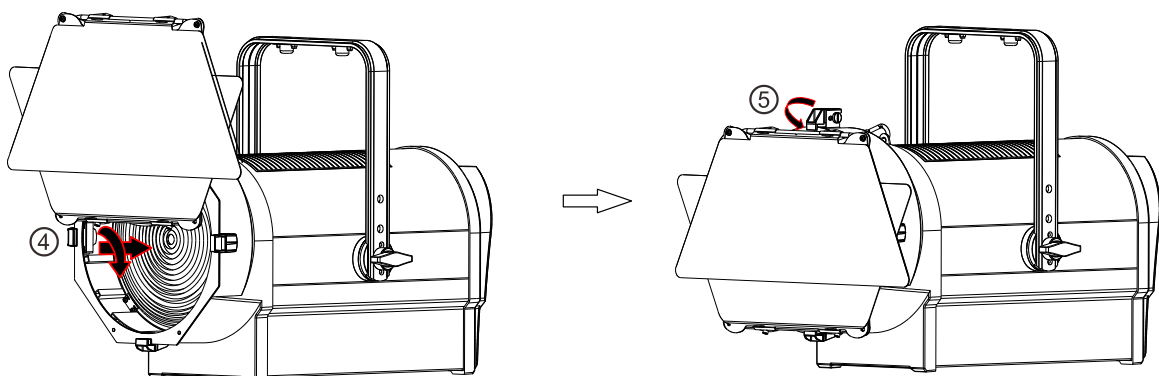
6.1 Control Menu

▶ To access the control menus, press the [MENU] button.

▶ Navigate the menu structure, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.

▶ To select a menu option or to confirm a selection, press the [ENTER] button.

▶ To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

The main functions are shown below:

MAIN MENU	SUBMENU	CHOICES/VALUES		
DMX Settings	DMX Address	1-509 (4 CH)	(Default=1)	
		1-507 (6 CH)		
	DMX Channel Mode	4 CH		
		6 CH		
	No DMX Status	Blackout		
		Hold		
		Manual		
	View DMX Value			
	Connect Option	Auto		
		DMX		
		Art-Net		
		sACN		
	Network	IP Address	Default 1:002.xxx.xxx.xxx	
			Default 2:010.xxx.xxx.xxx	
			Manual:xxx.xxx.xxx.xxx	
		Subnet Mask	xxx.xxx.xxx.xxx	
	Art-Net Settings	Net	0-127	(Default=0)
		Sub-Net	0-15	(Default=0)
		Universe	0-15	(Default=0)
	sACN Settings	Universe	1-32000	(Default=1)
		Priority	0-200	(Default=100)
	Network to DMX	No		
		Yes		

MAIN MENU	SUBMENU	CHOICES/VALUES	
Fixture Settings	Dimmer Curve	Linear	
		Square Law	
		Inv SQ Law	
		S Curve	
	Dimmer Speed	Fast	
		Smooth	
	LED Refresh Rate	900Hz	
		1000Hz	
		1100Hz	
		1200Hz	
		1300Hz	
		1400Hz	
		1500Hz	
		2500Hz	
		4000Hz	
		5000Hz	
		6000Hz	
		10000Hz	
		15000Hz	
		20000Hz	
		25000Hz	
	Pri./Sec. Mode	Primary	
		Secondary	
Display Settings	Display Invert	No	
		Yes	
	Backlight Intensity	1-10	(Default=10)
	Temperature Unit	°C	
		°F	
	Language	English	
		Chinese	
Fixture Test	Auto Test	Single Test	
		Cycle Test	
	Manual Test	Clear	No/Yes
		Dimmer	0-255
		Zoom	0-255

MAIN MENU	SUBMENU	CHOICES/VALUES		
Fixture Information	Fixture Use Hour			
	LED Use Hour	Total LED Hour		
		LED On Hour		
		LED Hours Reset	Password=050	
	Temperature	Current		
		Max temp		
	Firmware Version			
	RDM UID			
	Error Logs	Fixture Errors		
		Reset Error Logs	No	
			Yes	Password=050
Reset Functions	All Reset	No		
		Yes		
Factory Restore	No			
	Yes			

DMX Settings

Enter the control menu and select **DMX Settings**, press ENTER. Use the UP/DOWN button to select **DMX Address, DMX Channel Mode, No DMX Status, View DMX Value, Connect Option, Network, Art-Net Settings, sACN Settings** or **Network to DMX.**

DMX Address

Select **DMX Address,** press ENTER.

Use UP/DOWN button to select an address, confirm your selection with ENTER.

CHANNEL MODE	DMX ADDRESS
4 CH	1-509
6 CH	1-507

To exit the menu, press MENU, or wait 30 seconds.

DMX Channel Mode

Select **DMX Channel Mode,** press ENTER.

Use UP/DOWN button to select between **4 CH** and **6 CH**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

No DMX Status

Select **No DMX Status,** press ENTER.

Use UP/DOWN button to select one of the following status:

Blackout (Fixture blacks out if DMX signal stops)

Hold (The device continues to operate in the current mode with the last active DMX values until the signal returns)

Manual (The device accepts the DMX value stored in the 'Manual Test' menu)

Confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

View DMX Value

Select **View DMX Value,** press ENTER.

Use UP/DOWN button to select the desired DMX channel, for which the value is to be displayed.

To exit the menu, press MENU, or wait 30 seconds.

Connect Option

Select **Connect Option,** press ENTER.

Use UP/DOWN button to select **Auto, DMX, Art-Net** or **sACN**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Network

Select **Network,** press ENTER.

Use UP/DOWN button to select **IP Address** or **Subnet Mask**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Art-Net Settings

> Select **Art-Net Settings,** press ENTER.
>
> Use UP/DOWN button to select **Net, Sub-Net** or **Universe**, confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

sACN Settings

> Select **sACN Settings,** press ENTER.
>
> Use UP/DOWN button to select **Universe** or **Priority**, confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

Network to DMX

> Select **Network to DMX,** press ENTER.
>
> Use UP/DOWN button to select **No** or **Yes**, confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

Fixture Settings

Enter the control menu and select **Fixture Settings**, press ENTER. Use the UP/DOWN button to select **Dimmer Curve, Dimmer Speed, LED Refresh Rate** or **Pri./Sec. Mode.**

Dimmer Curve

> Select **Dimmer Curve,** press ENTER.
>
> Use UP/DOWN button to select **Linear, Square Law, Inv SQ Law** or **S Curve**, confirm your selection with ENTER.
>
> **Dimmer Modes**
>
>
>
> Optically Linear   Square Law   Inverse Square Law   S-curve
>
> To exit the menu, press MENU, or wait 30 seconds.

Dimmer Speed

> Select **Dimmer Speed,** press ENTER.
>
> Use UP/DOWN button to select **Fast** or **Smooth**, confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

LED Refresh Rate

> Select **LED Refresh Rate,** press ENTER.
>
> Use UP/DOWN button to select **900Hz, 1000Hz, 1100Hz, 1200Hz, 1300Hz, 1400Hz, 1500Hz, 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10000Hz, 15000Hz, 20000Hz** or **25000Hz**, confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

Pri./Sec. Mode

> Select **Pri./Sec. Mode,** press ENTER.
>
> Use UP/DOWN button to select **Primary** or **Secondary**, confirm your selection with ENTER.
>
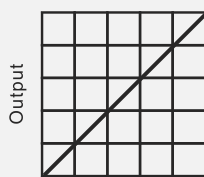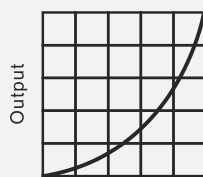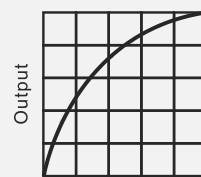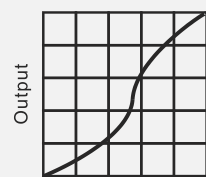> To exit the menu, press MENU, or wait 30 seconds.

Display Settings

Enter the control menu and select **Display Settings**, press ENTER. Use the UP/DOWN button to select **Display Invert, Backlight Intensity, Temperature Unit** or **Language.**

Display Invert

> Select **Display Invert,** press ENTER.
>
> Use UP/DOWN button to select **No** (display normal) or **Yes** (display inverted), confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

Backlight Intensity

> Select **Backlight Intensity,** press ENTER.
>
> Use UP/DOWN button to select a value between **1** (dark) and **10** (bright), confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

Temperature Unit

> Select **Temperature Unit,** press ENTER.
>
> Use UP/DOWN button to select **℃** or **℉**, confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

Language

> Select **Language,** press ENTER.
>
> Use UP/DOWN button to select **English** or **Chinese**, confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

Fixture Test

Enter the control menu and select **Fixture Test**, press ENTER. Use the UP/DOWN button to select **Auto Test** or **Manual Test.**

Auto Test

> Select **Auto Test,** press ENTER.
>
> Use UP/DOWN button to select **Single Test** (the device immediately performs a single automatic self-test) or **Cycle Test** (the device immediately performs a cyclic automatic self-test), confirm your selection with ENTER.
>
> To exit the menu, press MENU.

Manual Test

> Select **Manual Test,** press ENTER.
>
> Use UP/DOWN button to select the channel for which the manual test is to be performed, confirm your selection with ENTER.
>
> Use UP/DOWN button to select a value, confirm your selection with ENTER.
>
> To exit the menu, press MENU.
>
> (The device returns to its original DMX state after the manual test. The test values are saved automatically when the device is switched off.)

Fixture Information

Enter the control menu and select **Fixture Information**, press ENTER. Use the UP/DOWN button to select **Fixture Use Hour, LED Use Hour, Temperature, Firmware Version, RDM UID** or **Error Logs.**

Fixture Use Hour

Select **Fixture Use Hour,** press ENTER.

The operating hours is displayed.

To exit the menu, press MENU, or wait 30 seconds.

LED Use Hour

Select **LED Use Hour,** press ENTER.

Use UP/DOWN button to select **Total LED Hour** (total time) or **LED On Hour** (current switch-on time), confirm your selection with ENTER.

The total time or current switch-on time is displayed.

Use UP/DOWN button to select **LED Hours Reset**, confirm your selection with ENTER.

Use UP/DOWN button to set the password 050, confirm your selection with ENTER. The LED operating hours is reset.

To exit the menu, press MENU, or wait 30 seconds.

Temperature

Select **Temperature,** press ENTER.

The device temperature is displayed.

To exit the menu, press MENU, or wait 30 seconds.

Firmware Version

Select **Firmware Version,** press ENTER.

The firmware version is displayed.

To exit the menu, press MENU, or wait 30 seconds.

RDM UID

Select **RDM UID,** press ENTER.

The RDM UID is displayed.

To exit the menu, press MENU, or wait 30 seconds.

Error Logs

Select **Error Logs,** press ENTER.

Use UP/DOWN button to select **Fixture Errors**, confirm your selection with ENTER.

The error list is displayed.

Use UP/DOWN button to select **Reset Error Log**, confirm your selection with ENTER.

If you wish to reset the relevant error logs, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.

If you select **Yes**, use UP/DOWN button to set the password 050, confirm your selection with ENTER. The relevant error logs are reset.

To exit the menu, press MENU, or wait 30 seconds.

Reset Functions

Enter the control menu and select **Reset Functions**, press ENTER. Use the UP/DOWN button to select **All Reset.**

All Reset

Select **All Reset,** press ENTER.

Use UP/DOWN button to select **No** or **Yes** (the device will run built-in program to reset all to their home positions), confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Factory Restore

> Select **Factory Restore,** press ENTER.
>
> If you wish to reset the device to the factory settings, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.
>
> To exit the menu, press MENU, or wait 30 seconds.

RDM functions: Certain menus of the device and functions can be called up via the RDM protocol.

The parameter IDs are implemented as follows for different commands:

Parameter ID	Command 'Discovery'	Command 'Set'	Command 'Get'
DISC_UNIQUE_BRANCH	√		
DISC_MUTE	√		
DISC_UN_MUTE	√		
DEVICE_INFO			√
SUPPORTED_PARAMETERS			√
SOFTWARE_VERSION_LABEL			√
DMX_START_ADDRESS		√	√
IDENTIFY_DEVICE		√	√
DEVICE_MODEL_DESCRIPTION			√
PARAMETER_DESCRIPTION			√
MANUFACTURER_LABEL			√
DEVICE_LABEL		√	√
FACTORY_DEFAULTS		√	√
BOOT_SOFTWARE_VERSION_ID			√
BOOT_SOFTWARE_VERSION_LABEL			√
DMX_PERSONALITY		√	√
DMX_PERSONALITY_DESCRIPTION			√
SLOT_INFO			√
SLOT_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
RESET_DEVICE		√	
CURVE		√	√
PRIMARY_SECONDARY		√	√
DMX_STATE		√	√
DIMMER_SPEED		√	√

√ -Command implemented for the respective parameter ID

6.2 Home Position Adjustment

▸ To access the control menus, press the [MENU] button.

▸ To access the offset menus, long-press the [ENTER] button.

▸ Navigate the offset menus, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.

▸ To select a menu option or to confirm a selection, press the [ENTER] button.

▸ To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

OFFSET MENU	VALUES
Frequency (Hz)	1072~1327
Dimmer	0~1000
Zoom	-128~127

Frequency (Hz)

Select **Frequency (Hz),** press ENTER.

Use UP/DOWN button to select a value, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Frequency	VALUES
900Hz	772~1027
1000Hz	872~1127
1100Hz	972~1227
1200Hz	1072~1327
1300Hz	1172~1427
1400Hz	1272~1527
1500Hz	1372~1627
2500Hz	2372~2627
4000Hz	3872~4127
5000Hz	4872~5127
6000Hz	5872~6127
10KHz	9872~10127
15KHz	14872~15127
20KHz	19872~20127
25KHz	24872~25127

Dimmer

Select **Dimmer,** press ENTER.

Use UP/DOWN button to select a value between 0 and 1000, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Zoom

Select **Zoom,** press ENTER.

Use UP/DOWN button to select a value between -128 and 127, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

7.1 Address Setting

All fixtures should be given a DMX starting address when operating with a DMX controller, in order to ensure that the correct fixture responds to the correct control signal. Incorrect settings will result in unpredictable responses from the lighting controller.

You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture.

Setting all fixtures to the same DMX address will cause all fixtures to react in the same way. In this case, please note that changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will "listen" starting at the channel number you have set, based on the quantity of DMX channels of each fixture. That means changing the settings of one channel will only affect the selected fixture.

For example, if the first fixture is set to 4 ch DMX mode with a start DMX address of 1, the following fixture in the DMX chain should then be set to a DMX address of 5. As the first fixture uses all the first 4 DMX channels, the next available channel is 5 (4+1=5 >> 5).

See the chart below for more details:

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address	Unit xxx Address
4 channels	1	5	9	13	……
6 channels	1	7	13	19	……

7.2 DMX Protocol

CHANNEL		VALUE	FUNCTION
4ch	6ch		
1	1	000-255	**DIMMER** 0%→100%
	2	000-255	**DIMMER FINE**
2	3	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	**STROBE** Close Open Strobe from Slow to Fast Open Fast Open Slow Close from Slow to Fast Open Slow Open Fast Close from Slow to Fast Open Random Strobe from Slow to Fast Open
3	4	000-255	**ZOOM** Narrow→Wide
	5	000-255	**ZOOM FINE**
4	6	000-029 030-039 040-049 050-059 060-069 070-099 100-109 110-119 120-122 123 124 125 126 127 128 129 130 131 132 133	**SPECIAL FUNCTION** (To activate following functions, stop in DMX value for at least 3 seconds.) Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Null Led Frequency Setting Enable Led Frequency Setting Disable Null 900Hz 1000Hz 1100Hz 1200Hz 1300Hz 1400Hz 1500Hz 2500Hz 4000Hz 5000Hz 6000Hz

		134	10KHz
		135	15KHz
		136	20KHz
		137	25KHz
		138-199	Null
		200-209	Reset All
		210-219	Dimmer Speed: Fast
		220-229	Dimmer Speed: Smooth
		230-255	Null

08/ Error Information

Error codes are shown continuously in the display when the fixture fails and they will not disappear until the fixture is repaired.

Zoom Reset Err

Check whether the position of the zoom where the magnet is installed falls off or is damaged.

Check whether there are obstacles in the zoom operating range.

Check whether the Hall element on the zoom is damaged.

Check whether the lead connecting the Hall element on the zoom and the PCB board is in poor contact or disconnected.

Check whether the motor on the zoom is damaged.

Check whether the related circuit of the motor drive board on the zoom is damage.

Net Model Err

Check whether the net model is installed in place.

Check whether the net model is damaged.

Check whether the network is normal.

LED Temp. Err

> Check whether the temperature detecting board is normal.
> Check whether the components of the temperature detecting board are damaged.
> Check whether the lead on the temperature detecting board is installed in place or disconnected.

09/ Troubleshooting

Problem	Potential cause(s)	Remedies
Fixture does not respond or appears to be off.	No power to the fixture.	Confirm that the power is switched on and cables are plugged in.
	No output from PSU.	Replace the PSU.
Fixture suddenly turned off.	Power was turned off.	Check the power supply, switches and breakers.
Light output cuts out intermittently.	Fixture is too hot.	Check fixture's stored error messages for more information. Allow fixture to cool. Clean fixture. Reduce ambient temperature.
Fixture suddenly stopped responding.	DMX cables were disconnected.	Inspect DMX cables.
Fixture operates irregularly / abnormal.	Incorrect DMX address or DMX mode.	Inspect and enter the correct DMX address or mode.
	DMX link is not terminated.	Install a XLR 120ohm DMX termination at the end of the DMX link.
	Bad data link.	Replace or repair defective cables and/or connections.
	One of the fixtures is defective and is disturbing data transmission on the link.	Track and isolate the corrupted fixture. Have the fixture serviced by a qualified technician.

10/ Fixture Cleaning

Regular cleaning is very important for fixture life and performance. Buildup of dust, dirt, smoke particles, fog fluid residues, etc. degrades the fixture's light output and cooling ability. Cleaning schedules for lighting fixtures vary greatly depending on the operating environment. It is therefore impossible to specify precise cleaning intervals for the fixture. Environmental factors that may result in a need for frequent cleaning include:

▶ Use of smoke or fog machines.

▶ High airflow rates (near air conditioning vents, for example).

▶ Airborne dust (from stage effects, building structures and fittings or the natural environment at outdoor events, for example).

If one or more of these factors is present, inspect fixtures within their first few hours of operation to see whether cleaning is necessary. Check again at frequent intervals. This procedure will allow you to assess cleaning requirements in your particular situation.

Follow these precautions when cleaning the fixture:

▶ Work in a clean, dry, well-lit area.

▶ Use gentle pressure only. A soft lint-free cloth dampened with a solution of water and a mild detergent is recommended, under no circumstances should alcohol, solvents or abrasives be used! Use care when cleaning optical components: surfaces are fragile and easily scratched.