

*Gig***BAR** BRIDGE ILS

User Manual



Edition Notes

The GigBAR Bridge ILS User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the GigBAR Bridge ILS as of the release date of this edition.

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Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

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Document Revision

Go to www.chauvetdj.com for the latest version.

Revision	Date	Description
3	7/2026	Updated what's included section

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1. Before You Begin

What Is Included

- GigBAR Bridge ILS
- Power cable
- PowerCON to bare end (EU only)
- Hanging bracket (X2)
- RF remote
- Carry bag
- Quick Reference Guide

Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

Claims

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate a claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

Text Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
<ENTER>	A key to be pressed on the product's control panel
ON	A value to be entered or selected

Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

Safety Notes

These Safety Notes include important information about installation, use, and maintenance of the GigBAR Bridge ILS.



- **ALWAYS:**

- ◆ Connect to a grounded circuit.
- ◆ Connect to operating voltages as specified on the product's spec sticker.
- ◆ Disconnect from power before replacing the fuse.
- ◆ Disconnect from its power source during periods of inactivity.
- ◆ Use a safety cable when suspending overhead.
- ◆ Heed all restrictions and warnings on the spec sticker.
- ◆ Mount in a location with at least 20 in (50 cm) of ventilation.
- ◆ Replace the fuse with the same type and rating.
- ◆ Use a clamp with a captive bolt when a single hanging bracket is used.
- ◆ Keep the machine level.

- In the event of a serious operating problem, stop using immediately.

- **DO NOT:**

- ◆ Open this product or attempt any repairs. It contains no user-serviceable parts.
- ◆ Look at the light source when the product is on.
- ◆ Use if the power cord is crimped or damaged.
- ◆ Disconnect by pulling on the power cord.
- ◆ Allow flammable materials close to the product when it is operating.
- ◆ Touch the housing when it is on.
- ◆ Block any ventilation holes/slots in the housing.
- ◆ Connect to a dimmer or rheostat.
- ◆ Carry the product by its power cord.
- ◆ Operate in temperatures higher than 104°F (40°C).
- ◆ Expose to environments that exceed the Ingress Protection (IP) rating.
- ◆ Expose to rain or moisture.
- ◆ Use outdoors.
- ◆ Submerge.
- ◆ Set this product on a flammable surface.



Keep this User Manual for future use. If the product is sold to someone else, be sure that they also receive this document.

FCC Statement of Compliance

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

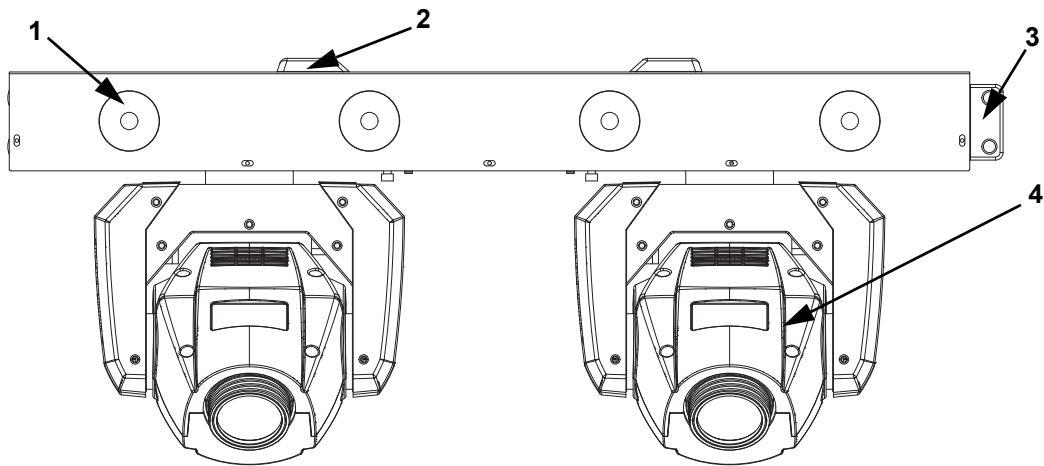
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Warning for North America and Australia

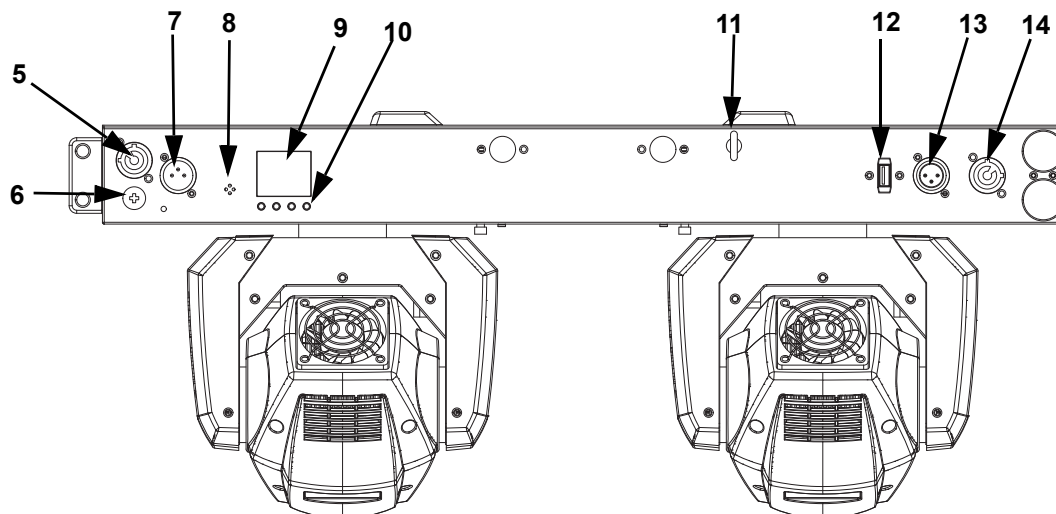
Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and the user. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2. Introduction

Product Overview

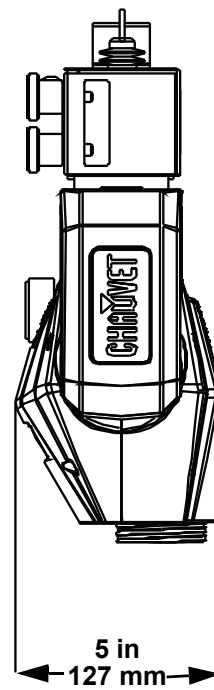
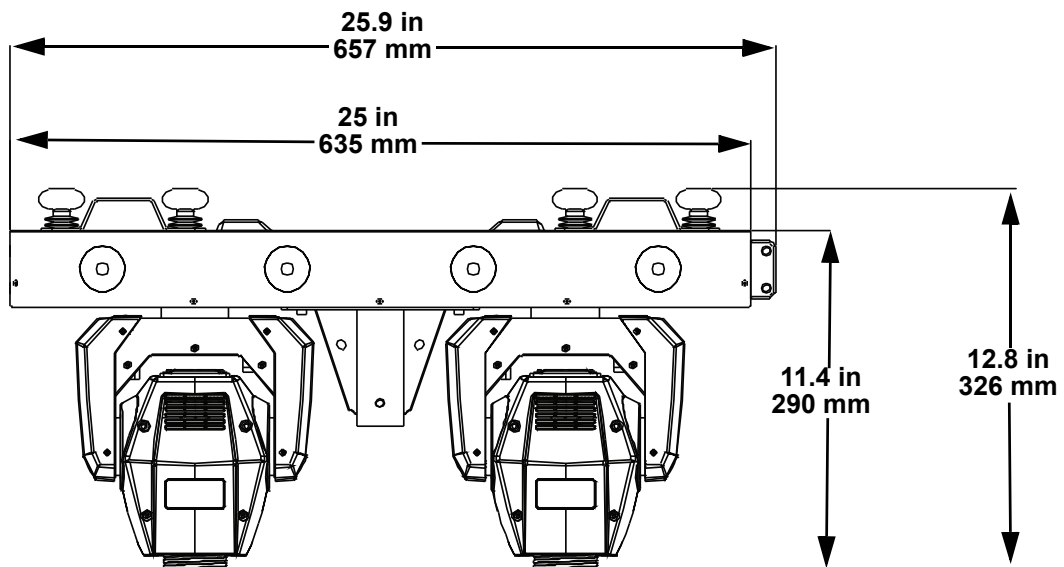


#	Name	#	Name
1	Wash (X4)	8	Microphone
2	Antenna (X2)	9	LCD display screen
3	Hanging hardware	10	Menu buttons
4	Moving head (X2)	11	Safety loop
5	Power in	12	USB port
6	Fuse holder	13	3 pin DMX out
7	3-pin DMX in	14	Power out



WARNING! DO NOT plug anything other than a firmware update connection into the USB type B port. Doing so may cause damage to the product.

Product Dimensions



3. Setup

AC Power

The GigBAR Bridge ILS has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart.

The listed current rating indicates the product's average current draw under normal conditions.



- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**



Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Fuse Replacement

1. Disconnect the product from power.
2. Using a Phillips-head screwdriver, unscrew the fuse holder and pull it straight out.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Re-insert the fuse holder and reconnect power.



Disconnect the product from the power outlet before replacing the fuse.

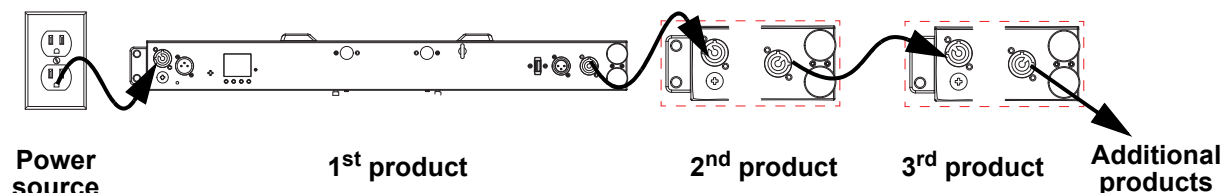


Always replace a blown fuse with one of the same type and rating.

Power Linking

This product provides power linking via the outlet located in the back of the product. See the diagram below for further explanation.

Power Linking Diagram



It is possible to link up to 8 GigBAR Bridge ILS products on 120 VAC or up to 13 products on 230 VAC.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).

Orientation

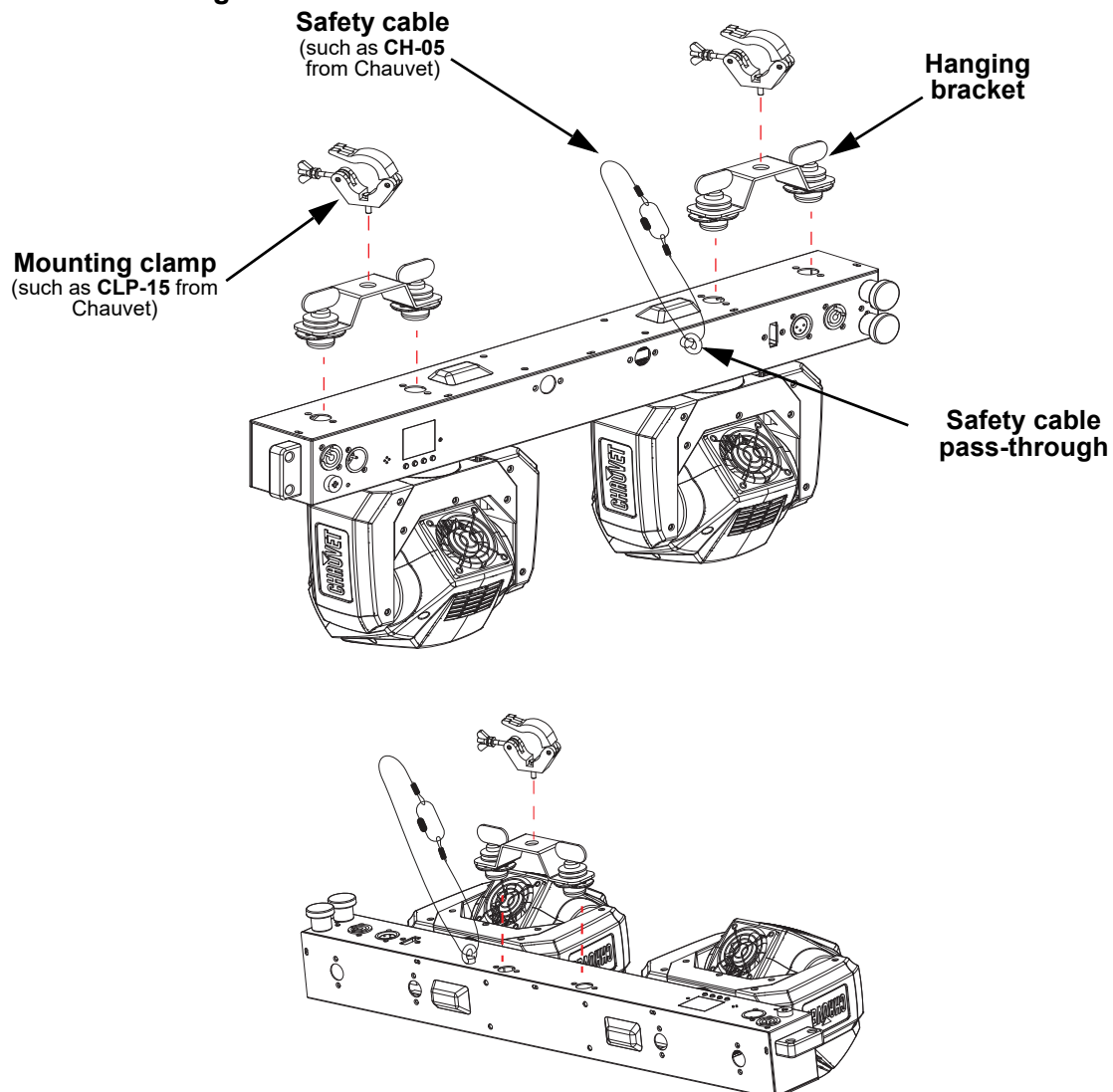
The GigBAR Bridge ILS may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#))
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity. The bracket has a 13-mm hole, which is appropriate for this purpose.
- When power linking multiple products, mount the products close enough for power linking cables to reach.
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

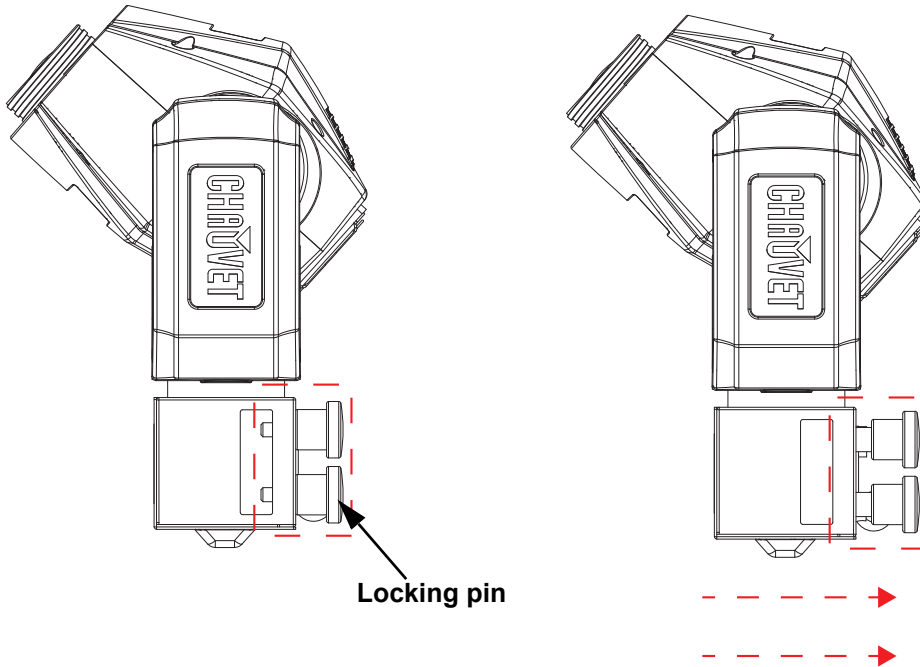
Mounting Diagrams

Overhead Mounting

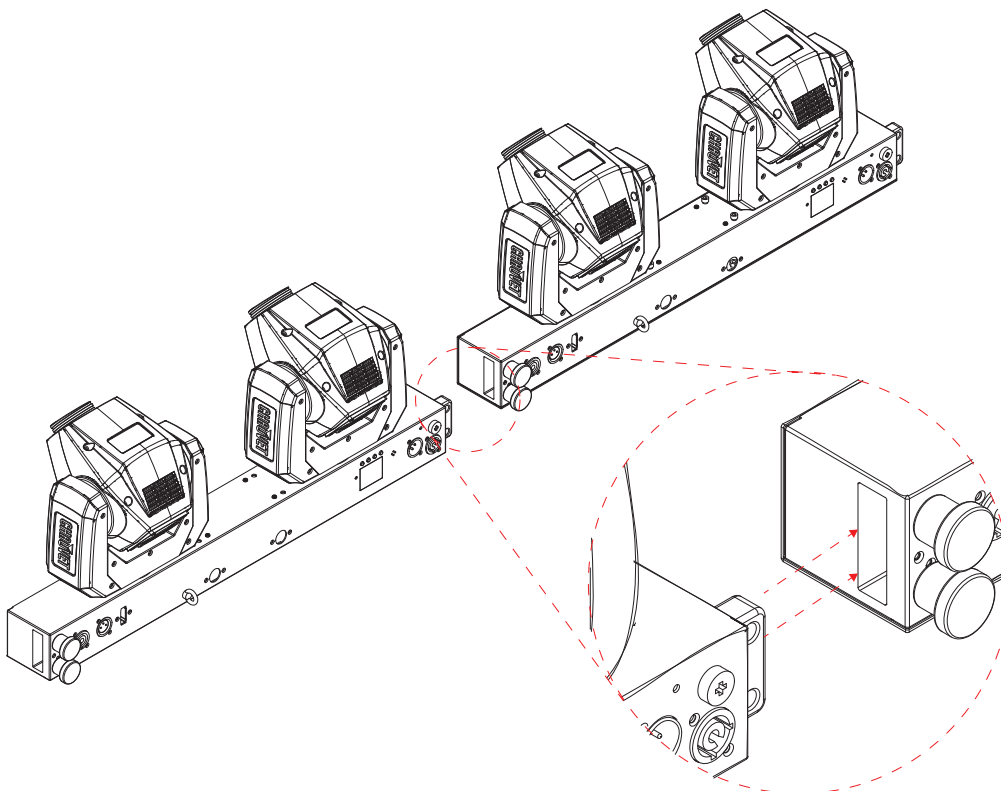


Multi-Product Mounting

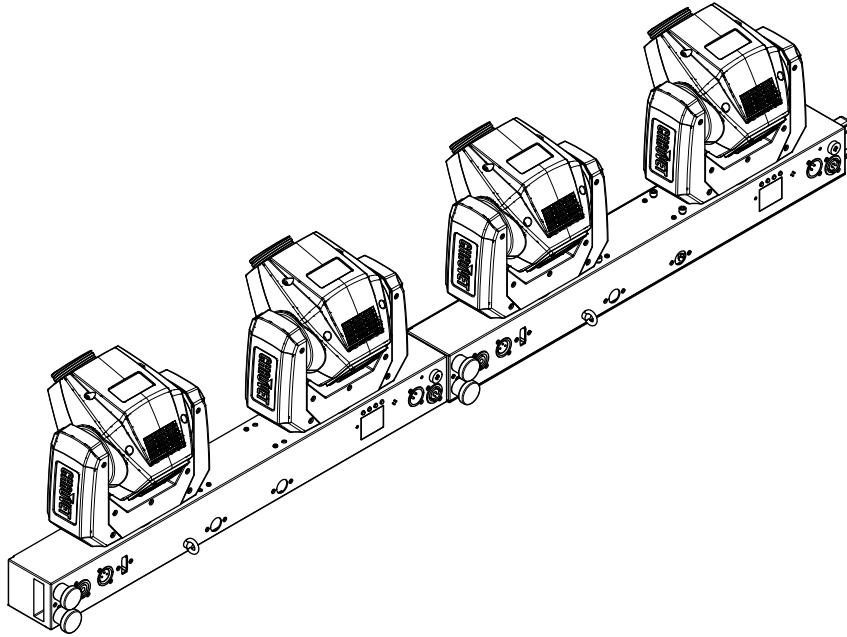
1. Pull and hold both locking pins away from the fixture to create a complete opening.



2. With the pin out, insert hanging hardware of another GigBAR Bridge ILS into the opening until the locking pins lock firmly in place.



3. This method may be used to connect multiple GigBAR Bridge ILS products together.



Tripod Mounting

For mobile use, place the GigBAR Bridge ILS on a tripod via the tripod mounting insertion point and fasten the fixation screw.

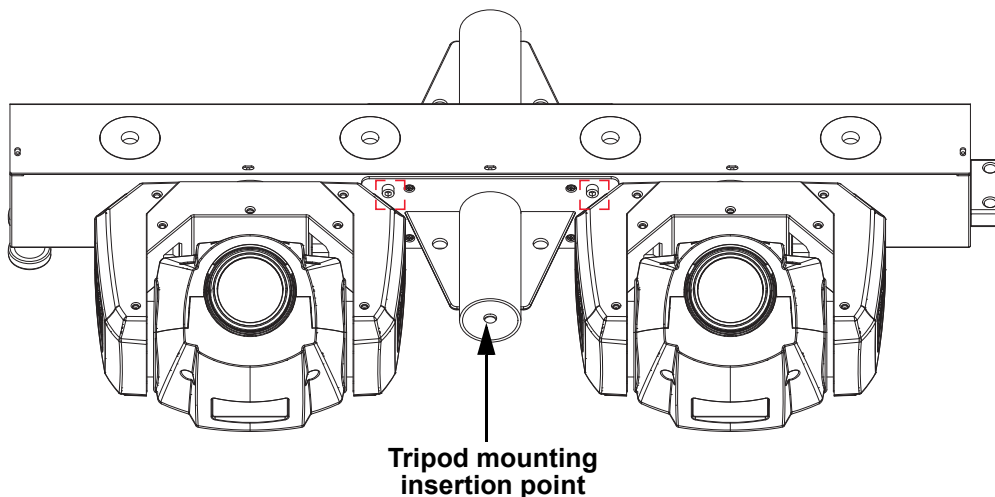
- Ensure the load is installed in a balanced way, and carrying capacity of the tripod is not exceeded.
- Install the tripod on a plane area (inclination angle maximum: 5°) and out of reach of people.

Consider the product's mounting location when implementing safety measures regarding mobility, stability, and fire safety. To properly mount the GigBAR Bridge ILS using a tripod, do the following:

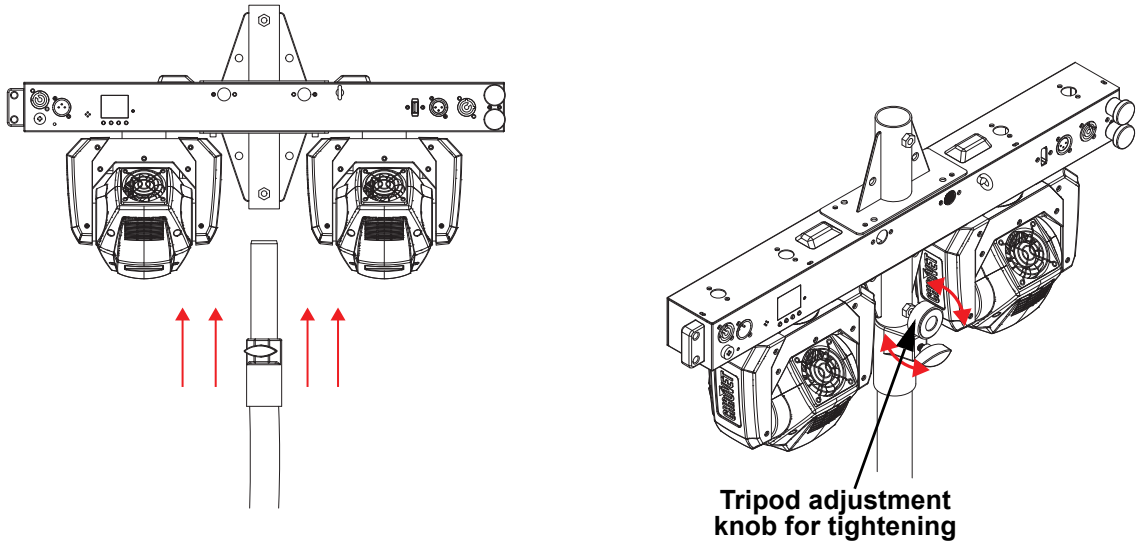


The tripod mount can be removed from the product.

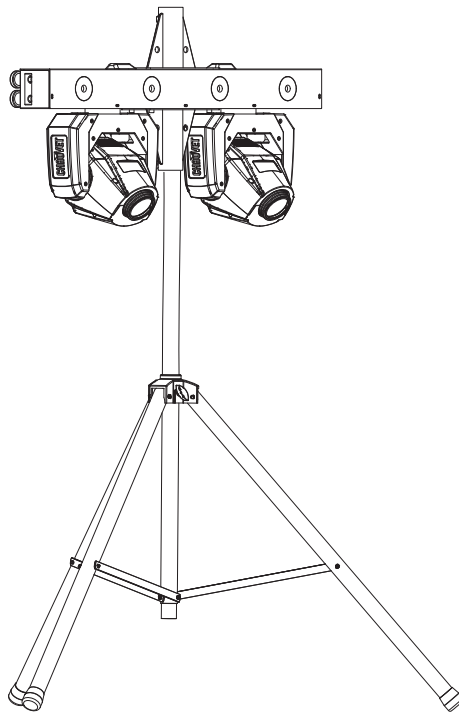
1. Attach and screw/fasten the tripod mounting insertion point to the GigBAR Bridge ILS .



2. Insert the tripod and secure it to the GigBAR Bridge ILS using the adjustment knob.



3. Adjust the legs of the tripod for proper stability.



Gobos



4. Operation

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the [Product Overview](#) to see the button locations on the control panel.

Button	Function
<MENU>	Press to find an operation mode or to back out of the current menu option
<UP>	Press to scroll up the list of options or to find a higher value
<DOWN>	Press to scroll down the list of options or to find a lower value
<ENTER>	Press to activate a menu option or a selected value

Menu Map

Refer to the GigBAR Bridge ILS product page on www.chauvetdj.com for the latest menu map and software.

Main Level	Programming Levels		Description
AUTO	Program	Pro 1–5	Sets auto program show
	Mode	SNAP	Selects the transition between auto programs
		FADE	
	Speed	0–99	Sets automatic program speed
	Spot Move	M1–M7	Sets the pan and tilt movement of the spots
		AUTO	
	Spot Speed	0–99	Adjusts the pan and tilt speed of the spots
	Dimmer	0–255	Adjusts the dimmer
SOUND	Strobe	0–20	Selects the strobe
	Program Time	1–255 (seconds)	Sets the program time
	Program	Pro 1–5	Sets auto programs on sound mode
	Sensitivity	0–99	Sets sound sensitivity
	Spot Move	M1–M7	Activates sound-active movements on moving heads
		SOUND	
	Spot Speed	0–99	Adjusts the pan and tilt speed of the spots
	Dimmer	0–255	Adjusts dimmer
	Strobe	0–20	Selects the strobe
	Program Time	1–255 (seconds)	Sets the program time
	Sound Lost	Slow	The par and spot will stop on the last setting. The moving heads, color/gobo will stop on the last setting, and the movement will run slowly.
		Freeze	The entire bar will freeze on the last setting.
		Blackout	The entire bar will blackout.

Main Level	Programming Levels		Description
MANUAL		Par Red	Selects the Par color
		Par Green	
		Par Blue	
		Par Amber	
		Par White	
		Par UV	
		Pan	Adjusts the pan angle
		Tilt	Adjusts the tilt angle
		Color	Selects the color manually
		Gobo	Selects the gobo manually
		Dimmer	Adjusts the brightness
		Shutter	Adjusts the shutter
DMX	DMX	03CH	Select the DMX channel
		16CH	
		46CH	
	Address	001–510	Set DMX starting address
Slave			Select for slave mode
SETUP	RF	COMMON	Enables control of the fixture using any RF remote
		BIND	Enables control of the GigBAR Bridge ILS using only the RF remote paired to the fixture
		OFF	Turns infrared off
	Binding RF		Pairs an RF remote to a specific GigBAR Bridge ILS fixture (Hold and press Blackout button on the RF remote)
	FOOT	COMMON	Enables control of the fixture using any footswitch
		BIND	Enables control of the GigBAR Bridge ILS using only the footswitch paired to the fixture
		OFF	Turns footswitch control off
	Binding FOOT		Pairs a footswitch to a specific GigBAR Bridge ILS fixture (Hold and press Blackout pedal on the footswitch)
	DFI	OFF	Disables D-Fi
		RX	Enables/disables receiving of D-Fi signal
		TX	Enables/disables transmitting of D-Fi signal
	DFI Channel	1–16	Selects D-Fi channel
	Pan1 Reverse	ON	Enables/disables Moving Head 1 pan reverse. Default set to OFF.
		OFF	

Main Level	Programming Levels		Description
SETUP (cont.)	Tilt1 Reverse	ON	Enables/disables Moving Head 1 tilt reverse. Default set to OFF.
		OFF	
	Pan2 Reverse	ON	Enables/disables Moving Head 2 pan reverse. Default set to OFF.
		OFF	
	Tilt2 Reverse	ON	Enables/disables Moving Head 2 tilt reverse. Default set to OFF.
		OFF	
	Pan Ranges	540	540° pan range
		360	360° pan range
		180	180° pan range
	Tilt Ranges	270	270° tilt range
		180	180° tilt range
		90	90° tilt range
	Follow Spot	HEAD 1	Selects which moving head to control with the ILS command
		HEAD 2	
	Screen Reverse	OFF	Turns off follow spot mode
		ON	Reverse display
	Totem Mode	OFF	Disable reverse display
		ON	
	Totem Mode	UP	Restricts the pan and tilt motion for overhead mounting
		DOWN	Restricts the pan and tilt motion for surface/ floor mounting
	RESET	NO	Resets to factory defaults
		YES	

DMX Configuration

The GigBAR Bridge ILS works with a DMX controller. Information about DMX is in the Chauvet DMX Primer, which is available from the Chauvet website chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

Starting Address

The GigBAR Bridge ILS uses up to 46 DMX channels, which defines the highest configurable/recommended address to **467**.

When selecting a starting DMX address, always consider the number of DMX channels the DMX mode uses. If the starting address is set too high, access to some channels could be restricted.

For information about the DMX protocol, download the DMX Primer from www.chauvetdj.com.

To select the starting address, do the following:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to select **DMX**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Address**.
5. Use **<UP>** or **<DOWN>** to select the starting address, from **001–467**.
6. Press **<ENTER>**.

DMX Personalities

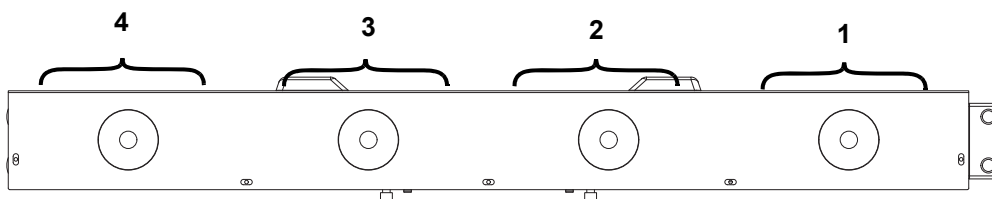
The GigBAR Bridge ILS has 3 DMX personalities: 03CH, 16CH, and 46CH.

To select which DMX personality to use, follow the steps below:

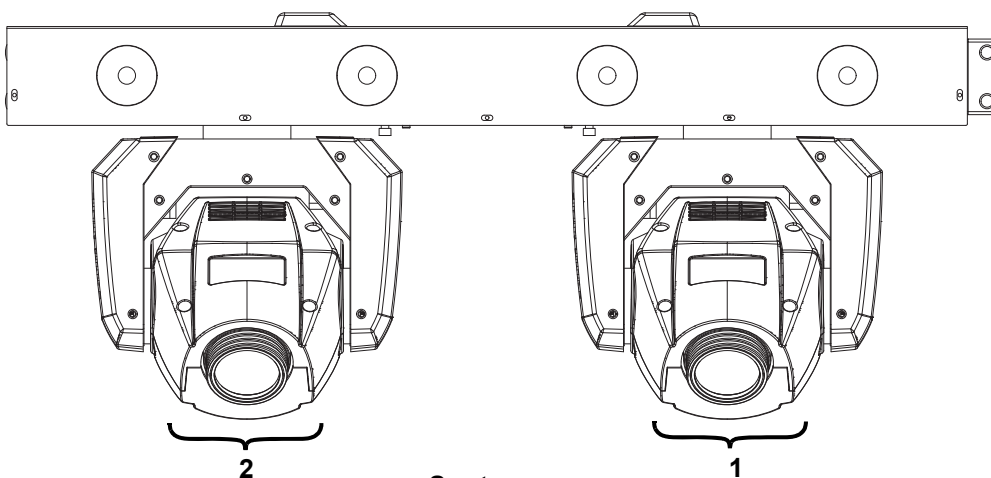
1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to select **DMX**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **DMX**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select the DMX personality, from **03CH**, **16CH** or **46CH**.
7. Press **<ENTER>**.

DMX Channel Assignments and Values

Zones for DMX Control



Par zones



Spot zones

DMX Charts

03CH

Channel	Function	Value	Percent/Setting
1	Auto program (Sound-active program when Ch2 is 128 ⇔ 255)	000 ⇔ 005	Blackout
		006 ⇔ 055	Auto program 1
		056 ⇔ 105	Auto program 2
		106 ⇔ 155	Auto program 3
		156 ⇔ 205	Auto program 4
		206 ⇔ 255	Auto program 5
2	Speed/sound sensitivity	000 ⇔ 127	Auto program speed, slow to fast
		128 ⇔ 255	Sound sensitivity
3	Pan/Tilt speed	000 ⇔ 255	Pan/tilt speed, slow to fast

16CH

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	Par, 0–100%
2	Green	000 ⇔ 255	Par, 0–100%
3	Blue	000 ⇔ 255	Par, 0–100%
4	Amber	000 ⇔ 255	Par, 0–100%
5	White	000 ⇔ 255	Par, 0–100%
6	UV	000 ⇔ 255	Par, 0–100%
7	Strobe	000 ⇔ 250	Strobe speed, slow to fast
		251 ⇔ 255	Strobe to sound
8	Pan	000 ⇔ 255	0–100%
9	Pan fine	000 ⇔ 255	0–100%
10	Tilt	000 ⇔ 255	0–100%
11	Tilt fine	000 ⇔ 255	0–100%
12	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
13	Color	000 ⇔ 006	White
		007 ⇔ 013	Red
		014 ⇔ 020	Orange
		021 ⇔ 027	Yellow
		028 ⇔ 034	Green
		035 ⇔ 041	Blue
		042 ⇔ 048	CTO
		049 ⇔ 055	Cyan
		056 ⇔ 062	Magenta
		063 ⇔ 064	Lime
		065 ⇔ 189	Color indexing
		190 ⇔ 221	Color cycling rainbow (fast to slow)
		222 ⇔ 223	Stop
		224 ⇔ 255	Reverse color cycling rainbow (slow to fast)

Channel	Function	Value	Percent/Setting
14	Gobo (see Gobos)	000 ⇔ 005	Open
		006 ⇔ 011	Gobo 1
		012 ⇔ 017	Gobo 2
		018 ⇔ 023	Gobo 3
		024 ⇔ 029	Gobo 4
		030 ⇔ 035	Gobo 5
		036 ⇔ 041	Gobo 6
		042 ⇔ 047	Gobo 7
		048 ⇔ 053	Gobo 8
		054 ⇔ 063	Gobo 9
		064 ⇔ 069	Gobo 9 shake, slow to fast
		070 ⇔ 075	Gobo 8 shake, slow to fast
		076 ⇔ 081	Gobo 7 shake, slow to fast
		082 ⇔ 087	Gobo 6 shake, slow to fast
		088 ⇔ 093	Gobo 5 shake, slow to fast
		094 ⇔ 099	Gobo 4 shake, slow to fast
		100 ⇔ 105	Gobo 3 shake, slow to fast
		106 ⇔ 111	Gobo 2 shake, slow to fast
		112 ⇔ 117	Gobo 1 shake, slow to fast
		118 ⇔ 127	Open
		128 ⇔ 189	Cycle effect, slow to fast
		190 ⇔ 193	Stop
		194 ⇔ 255	Reverse cycle effect, slow to fast
15	Dimmer	000 ⇔ 255	0–100%
16	Strobe	000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	On

46Ch

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	Par, 0–100%
2	Green 1	000 ⇔ 255	Par, 0–100%
3	Blue 1	000 ⇔ 255	Par, 0–100%
4	Amber 1	000 ⇔ 255	Par, 0–100%
5	White 1	000 ⇔ 255	Par, 0–100%
6	UV 1	000 ⇔ 255	Par, 0–100%
7	Strobe 1	000 ⇔ 011	No function
		012 ⇔ 250	Strobe speed, slow to fast
		251 ⇔ 255	Strobe to sound
8	Red 2	000 ⇔ 255	Par, 0–100%
9	Green 2	000 ⇔ 255	Par, 0–100%
10	Blue 2	000 ⇔ 255	Par, 0–100%
11	Amber 2	000 ⇔ 255	Par, 0–100%
12	White 2	000 ⇔ 255	Par, 0–100%
13	UV 2	000 ⇔ 255	Par, 0–100%
14	Strobe 2	000 ⇔ 011	No function
		012 ⇔ 250	Strobe speed, slow to fast
		251 ⇔ 255	Strobe to sound
15	Red 3	000 ⇔ 255	Par, 0–100%
16	Green 3	000 ⇔ 255	Par, 0–100%
17	Blue 3	000 ⇔ 255	Par, 0–100%
18	Amber 3	000 ⇔ 255	Par, 0–100%
19	White 3	000 ⇔ 255	Par, 0–100%
20	UV 3	000 ⇔ 255	Par, 0–100%
21	Strobe 3	000 ⇔ 011	No function
		012 ⇔ 250	Strobe speed, slow to fast
		251 ⇔ 255	Strobe to sound
22	Red 4	000 ⇔ 255	Par, 0–100%
23	Green 4	000 ⇔ 255	Par, 0–100%
24	Blue 4	000 ⇔ 255	Par, 0–100%
25	Amber 4	000 ⇔ 255	Par, 0–100%
26	White 4	000 ⇔ 255	Par, 0–100%
27	UV 4	000 ⇔ 255	Par, 0–100%
28	Strobe 4	000 ⇔ 011	No function
		012 ⇔ 250	Strobe speed, slow to fast
		251 ⇔ 255	Strobe to sound
29	Pan Spot 1	000 ⇔ 255	Adjust pan on spot 1, 0–100%
30	Pan fine Spot 1	000 ⇔ 255	Adjust pan fine on spot 1, 0–100%
31	Tilt Spot 1	000 ⇔ 255	Adjust tilt on spot 1, 0–100%
32	Tilt fine Spot 1	000 ⇔ 255	Adjust tilt fine on spot 1, 0–100%
33	Pan/tilt speed Spot 1	000 ⇔ 255	Pan/tilt speed, fast to slow

Channel	Function	Value	Percent/Setting
34	Color Spot 1	000 ⇔ 006	White
		007 ⇔ 013	Red
		014 ⇔ 020	Orange
		021 ⇔ 027	Yellow
		028 ⇔ 034	Green
		035 ⇔ 041	Blue
		042 ⇔ 048	CTO
		049 ⇔ 055	Cyan
		056 ⇔ 062	Magenta
		063 ⇔ 064	Lime
		065 ⇔ 189	Color indexing
		190 ⇔ 221	Color cycling rainbow (fast to slow)
		222 ⇔ 223	Stop
		224 ⇔ 255	Reverse color cycling rainbow (slow to fast)
35	Gobo Spot 1 (see Gobos)	000 ⇔ 005	Open
		006 ⇔ 011	Gobo 1
		012 ⇔ 017	Gobo 2
		018 ⇔ 023	Gobo 3
		024 ⇔ 029	Gobo 4
		030 ⇔ 035	Gobo 5
		036 ⇔ 041	Gobo 6
		042 ⇔ 047	Gobo 7
		048 ⇔ 053	Gobo 8
		054 ⇔ 063	Gobo 9
		064 ⇔ 069	Gobo 9 shake, slow to fast
		070 ⇔ 075	Gobo 8 shake, slow to fast
		076 ⇔ 081	Gobo 7 shake, slow to fast
		082 ⇔ 087	Gobo 6 shake, slow to fast
		088 ⇔ 093	Gobo 5 shake, slow to fast
		094 ⇔ 099	Gobo 4 shake, slow to fast
		100 ⇔ 105	Gobo 3 shake, slow to fast
		106 ⇔ 111	Gobo 2 shake, slow to fast
		112 ⇔ 117	Gobo 1 shake, slow to fast
		118 ⇔ 127	Open
36	Dimmer Spot 1	128 ⇔ 189	Cycle effect, slow to fast
		190 ⇔ 193	Stop
		194 ⇔ 255	Reverse cycle effect, slow to fast
37	Strobe Spot 1	000 ⇔ 255	0–100%
		000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
38	Pan Spot 2	216 ⇔ 255	On
38	Pan Spot 2	000 ⇔ 255	0–100%
39	Pan fine Spot 2	000 ⇔ 255	0–100%
40	Tilt Spot 2	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
41	Tilt fine Spot 2	000 ⇔ 255	0–100%
42	Pan/tilt speed Spot 2	000 ⇔ 255	0–100%
43	Color Spot 2	000 ⇔ 006	White
		007 ⇔ 013	Red
		014 ⇔ 020	Orange
		021 ⇔ 027	Yellow
		028 ⇔ 034	Green
		035 ⇔ 041	Blue
		042 ⇔ 048	CTO
		049 ⇔ 055	Cyan
		056 ⇔ 062	Magenta
		063 ⇔ 064	Lime
		065 ⇔ 189	Color indexing
		190 ⇔ 221	Color cycling rainbow (fast to slow)
		222 ⇔ 223	Stop
		224 ⇔ 255	Reverse color cycling rainbow (fast to slow)
44	Gobo Spot 2 (see Gobos)	000 ⇔ 005	Open
		006 ⇔ 011	Gobo 1
		012 ⇔ 017	Gobo 2
		018 ⇔ 023	Gobo 3
		024 ⇔ 029	Gobo 4
		030 ⇔ 035	Gobo 5
		036 ⇔ 041	Gobo 6
		042 ⇔ 047	Gobo 7
		048 ⇔ 053	Gobo 8
		054 ⇔ 063	Gobo 9
		064 ⇔ 069	Gobo 9 shake, slow to fast
		070 ⇔ 075	Gobo 8 shake, slow to fast
		076 ⇔ 081	Gobo 7 shake, slow to fast
		082 ⇔ 087	Gobo 6 shake, slow to fast
		088 ⇔ 093	Gobo 5 shake, slow to fast
		094 ⇔ 099	Gobo 4 shake, slow to fast
		100 ⇔ 105	Gobo 3 shake, slow to fast
		106 ⇔ 111	Gobo 2 shake, slow to fast
		112 ⇔ 117	Gobo 1 shake, slow to fast
		118 ⇔ 127	Open
		128 ⇔ 189	Cycle effect, slow to fast
		190 ⇔ 193	Stop
		194 ⇔ 255	Reverse cycle effect, slow to fast
45	Dimmer Spot 2	000 ⇔ 255	0–100%
46	Strobe Spot 2	000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	On

Standalone Configuration

Set the product in one of the standalone modes to operate without a DMX controller.



Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

Automatic Mixed Effect Mode

To run the GigBAR Bridge ILS in automatic mode, follow the instructions below.

1. Use **<UP>** or **<DOWN>** to select **AUTO**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Program**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from the Auto Program options: **Pro 1–5**.
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to select **Mode**.
8. Press **<ENTER>**.
9. Use **<UP>** or **<DOWN>** to select between **Snap** (snap transition between programs) and **Fade** (fading transition between programs).
10. Press **<ENTER>**.
11. Use **<UP>** or **<DOWN>** to select **Speed**.
12. Press **<ENTER>**.
13. Use **<UP>** or **<DOWN>** to select to adjust the program speed, from **0–99**.
14. Press **<ENTER>**.

Sound-Active Mixed Effect Mode

To run the GigBAR Bridge ILS in sound-active mode, do the following:

1. Use **<UP>** or **<DOWN>** to select **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Program**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from the Auto Program options: **Pro 1–5**.
6. Press **<ENTER>**.

Sound Sensitivity

To set the sound sensitivity on the GigBAR Bridge ILS, follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Sensitivity**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the sound sensitivity from **0–99**.
6. Press **<ENTER>**.

Dimmer

To adjust the dimmer on the GigBAR Bridge ILS, do the following:

1. Use **<UP>** or **<DOWN>** to select **AUTO** or **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Dimmer**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the dimmer from **0–255**.
6. Press **<ENTER>**.

Strobe

To set the strobe on the GigBAR Bridge ILS, follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **AUTO** or **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Strobe**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the strobe from **0–20**.
6. Press **<ENTER>**.

Program Time

To set the program time on the GigBAR Bridge ILS , do the following:

1. Use **<UP>** or **<DOWN>** to select **AUTO** or **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Program Time**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the timer from **1–255** (seconds).
6. Press **<ENTER>**.

Spot Move

To set the pan and tilt movement of the moving heads on the GigBAR Bridge ILS , do the following:

1. Use **<UP>** or **<DOWN>** to select **AUTO** or **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Spot Move**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the moving head speed from **M1-M7** (sets pan and tilt movement for moving heads) **AUTO** (sets pan and tilt movement to auto program in Auto mode) or **SOUND** (sets pan and tilt movement to auto program in Sound mode).
6. Press **<ENTER>**.

Spot Speed

To manually control the moving head speed on the GigBAR Bridge ILS , do the following:

1. Use **<UP>** or **<DOWN>** to select **AUTO** or **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Spot Speed**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the moving head speed from **0** (activates sound-active moving heads) or **1–99** (adjusts the speed of the moving head, from slow to fast).
6. Press **<ENTER>**.

Sound Lost

To set what the entire bar will do when sound is lost, follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **SOUND**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Sound Lost**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to choose from **Slow** (the bar will stop on the last setting, the moving heads and color/gobo will stop on the last setting, and the movement will run slowly), **Freeze** (the entire bar will freeze on the last setting), or **Blackout** (the entire bar will blackout).
6. Press **<ENTER>**.

Manual Mode

To manually set various options on the GigBAR Bridge ILS , follow the instructions below.

1. Use **<UP>** or **<DOWN>** to select **MANUAL**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to cycle through the options, **Par Red** (red), **Par Green** (green), **Par Blue** (blue), **Par Amber** (amber), **Par White** (white), **Par UV** (UV), **Pan**, **Tilt**, **Color**, **Gobo**, **Dimmer**, or **Shutter**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to increase or decrease the selected value from **0–255**.
6. Press **<ENTER>**.

Settings Configuration

Pan Reverse

To set the orientation of the pan on the GigBAR Bridge ILS , do the following:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Pan1 Reverse** (for Spot 1) or **Pan2 Reverse** (for Spot 2).
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **OFF** (normal pan motion) or **ON** (reversed pan motion).
6. Press **<ENTER>**.

Tilt Reverse

To manually set the orientation of the tilt on the GigBAR Bridge ILS , follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Tilt1 Reverse** (for Spot 1) or **Tilt2 Reverse** (for Spot 2).
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **OFF** (normal tilt motion) or **ON** (reversed tilt motion).
6. Press **<ENTER>**.

Pan Range

To set the maximum angle of the pan on the GigBAR Bridge ILS , do the following:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Pan Ranges**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the pan angle from **180** (180°), **360** (360°), or up to **540** (540°).
6. Press **<ENTER>**.

Tilt Range

To set the maximum angle of the tilt on the GigBAR Bridge ILS , follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Tilt Ranges**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to set the tilt angle from **90** (90°), **180** (180°), or up to **270** (270°).
6. Press **<ENTER>**.

Follow Spot

To set which moving head on the will be controlled by the ILS Command, follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Follow Spot**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from **HEAD 1** (Spot 1), **HEAD 2** (Spot 2), or **OFF** (turns off Follow Spot mode).
6. Press **<ENTER>**.

Screen Reverse

To reverse the display screen or disable a reversed display screen, follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Screen Reverse**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from **ON** (enables screen reverse), or **OFF** (disable screen reverse).
6. Press **<ENTER>**.

Totem Mode

To restrict pan and tilt motion for overhead or surface mounting, follow the instructions below:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Totem Mode**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from **UP** (for overhead mounting), or **DOWN** (for surface/floor mounting).
6. Press **<ENTER>**.

Factory Reset

To reset specific functions or the entire product, do the following:

1. Use **<UP>** or **<DOWN>** to select **SETUP**.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **RESET**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **YES** (to reset the product configuration) or **NO** (to cancel).
6. Press **<ENTER>**.

Wireless Footswitch Operation

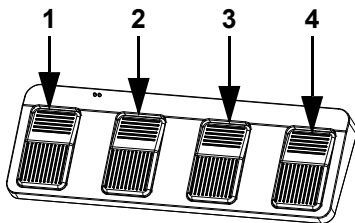
The GigBAR Bridge ILS can be paired with a wireless footswitch (sold separately). To pair the GigBAR Bridge ILS with a wireless footswitch:

1. Connect the GigBAR Bridge ILS to power. Turn the wireless footswitch on.
2. Press **<MENU>** on the GigBAR Bridge ILS to view the main menu on the display.
3. Use **<UP>** or **<DOWN>** to select **SETUP**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **FOOT Binding**.
6. Press **<ENTER>**.
7. Press and hold the **Blackout** pedal on the footswitch.

Wireless Footswitch Operation

The wireless footswitch provides quick access to preset colors, color-change programs, and sound-activation through the GigBAR Bridge ILS microphone.

To use the footswitch:



1. Connect the GigBAR Bridge ILS to power. Turn the wireless footswitch on.
2. Press **<MENU>** on the GigBAR Bridge ILS to view the main menu on the display.
3. Use **<UP>** or **<DOWN>** to select **SETUP**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **FOOT**.
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to select **COMMON** (to use with any footswitch) or **BIND** (to pair a footswitch to a specific GigBAR Bridge ILS fixture) or **OFF** (to disable operation).
8. Press **<ENTER>**.
9. Use the chart below to activate the desired function.

Footswitch Operation

Pedal	Action	Functions
1 (Auto Programs)	Tap pedal to activate, then tap to navigate to desired function	Auto programs
2 (Sound Mode)	Press and hold	Sound-active programs
3 (Static Colors)	Tap	Cycles colors in Auto/ Sound mode (Pars ONLY)
4 (Blackout)	Tap	Blackout



- The GigBAR Bridge ILS footswitch will work properly in any mode, with a maximum unobstructed distance of 100 ft (30.5 m).
- The settings will be saved if there is no operation after 2 seconds.
- The Footswitch will not work in Master/ Slave mode

Footswitch Battery

The wireless footswitch uses a 9-volt battery located under the battery cover on the bottom of the product, which can be replaced when necessary.

Battery Replacement

To replace the battery in the wireless footswitch:

1. Turn the power switch to the Off position.
2. Remove the battery cover by removing 2 screws with a Phillips-head screwdriver.
3. Remove the old battery from the housing and unplug it from the leads.
4. Replace with a new 9-volt battery, ensuring that the positive (+) and negative (-) leads correspond to the correct electrodes on the battery.
5. Place the battery into the housing and cover with the battery cover.
6. Secure the battery cover with the 2 Phillips-head screws.



Do NOT over-tighten the screws!

Wired Master/Slave Mode

The Master/Slave mode allows a single GigBAR Bridge ILS product (the “master”) to control the actions of one or more GigBAR Bridge ILS products (the “slaves”) without the need of a DMX controller. The master product will be set to operate in either standalone mode or with the IRC-6, while the slave products will be set to operate in slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

Slave products:

1. Press **<MENU>** to view the main menu on the display.
2. Use **<UP>** or **<DOWN>** to select **DMX**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **03Ch**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select **Address**.
7. Use **<UP>** or **<DOWN>** to set the starting address to **001**.
8. Press **<ENTER>**.
9. Connect the DMX input of the first slave product to the DMX output of the master product.
10. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
11. Finish setting and connecting all the slave products.

Master product:

1. Set the master product to operate in standalone mode or with the IRC-6.
2. Make the master product the first product in the DMX daisy chain.



- **Configure all the slave products before connecting the master to the daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**
- **Do not connect more than 31 slaves to the master.**

D-Fi Master/Slave Mode

The D-Fi Master/ Slave mode allows a single GigBAR Bridge ILS product (the “master”) to control the actions of one or more GigBAR Bridge ILS products (the “slaves”) without the need of a DMX controller. The master (transmitter) product will be set to operate in standalone mode or with the RF remote, while the slave (receiver) products will be set to operate in slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

Slave products:

1. Use **<UP>** or **<DOWN>** to select **SETUP**, then press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **DFI**, then press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **RX**, then press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **DFI CH**, then press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select the receiving D-Fi channel, from **1–16**.
6. Use **<UP>** or **<DOWN>** to select **SLAVE**, then press **<ENTER>**.
7. Finish setting and connecting all the slave products.

Master product:

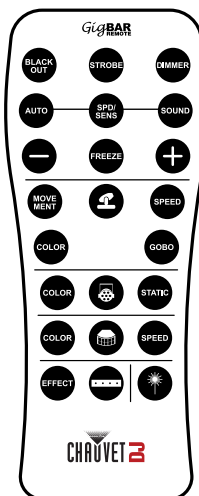
1. Use **<UP>** or **<DOWN>** to select **SETUP**, then press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **DFI**, then press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **TX**, then press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select the transmitting D-Fi channel, from **1–16**.
5. Press **<ENTER>**.



- **Make sure that the slave products are configured to the same D-Fi channel as the master product.**
- **Configure all the slave products before connecting the master to the daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**

GigBAR RF Remote Control

The GigBAR Bridge ILS can be operated with the GigBAR RF Remote. To enable RF wireless control:



1. Press **<MENU>** on the GigBAR Bridge ILS to view the main menu on the display.
2. Use **<UP>** or **<DOWN>** to select **SETUP**.
3. Use **<UP>** or **<DOWN>** to select **RF Binding**.
4. Hold and press the **<BLACK OUT>** button on the RF remote to bind the remote to the GigBAR Bridge ILS.
5. Press **<ENTER>**.
6. Press **<UP><DOWN>** until **RF** shows on the display.
7. Press **<ENTER>**.
8. Use **<UP>** or **<DOWN>** to select among **COMMON** (Enables the fixture to respond to any RF remote), **BIND** (links the fixture to a single RF remote), or **OFF** (deactivates RF linking).
9. Press **<ENTER>**.

GigBAR RF Remote Operation

Black Out

To black out the lasers with the RF remote:

- Press **<BLACK OUT>** on the RF remote.

This will turn off all lights until the button is pressed again.

NOTE: The RF remote will not respond to any inputs when Black Out is activated. If the product does not respond when a button is pressed, try pressing **<BLACK OUT>**. Black Out may have been activated.

Strobe

To activate strobe in manual mode using the RF remote:

1. Press **<STROBE>** on the RF remote.
2. Press **<+>** or **<->** to adjust the strobe.

Dimmer

To adjust the dimmer using the RF remote:

1. Press **<DIMMER>** on the RF remote.
2. Press **<+>** or **<->** to adjust the brightness.

Automatic Mode

Automatic mode will enable the user to run the automatic programs on the product. To turn on Automatic mode with the RF remote:

1. Press **<AUTO>** on the RF remote.
2. Press **<+>** or **<->** to choose between the different auto programs.

Speed

To adjust the auto program/spot speed with the RF remote:

1. Press **<SPD>** on the RF remote.
2. Press **<+>** or **<->** to increase or decrease the program speed.

Sound-Active Mode

To turn on Sound-Active mode with the RF remote:

1. Press and hold **<SOUND>** on the RF remote.
2. Press **<+>** or **<->** to select a sound-active program.

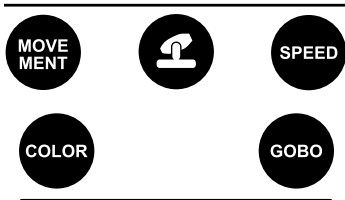
To adjust the sound sensitivity:

1. Press **<SENS>** on the RF remote.
2. Press **<+>** or **<->** to increase or decrease the sensitivity.

Freeze

To pause an auto program using the RF remote:

1. Press **<FREEZE>** on the RF remote.



Spots Program

To select a program for the Spots using an RF remote:

1. Press the **Spot icon button** on the RF remote.
2. Press **<MOVEMENT>** on the RF remote.
3. Press **<+>** or **<->** to change the movement program.

Spots XY Speed

To adjust the pan/tilt speed of the Spots using an RF remote:

1. Press the **Spot icon button** on the RF remote.
2. Press **<SPEED>** on the RF remote.
3. Press **<+>** or **<->** to increase or decrease the pan/tilt speed.

Spots Color

To select a color for the Spots using an RF remote:

1. Press the **Spot icon button** on the RF remote.
2. Press **<COLOR>** on the RF remote.
3. Press **<+>** or **<->** to scroll through the color wheel.

Spots Gobo

To select a gobo for the Spots using an RF remote:

1. Press **Spot icon button** on the RF remote.
2. Press **<GOBO>** on the RF remote.
3. Press **<+>** or **<->** to scroll through the gobo wheel.



Par Program

To select a program for the Pars using an RF remote:

1. Press the **Par icon button** on the RF remote.
2. Press **<COLOR>** on the RF remote.
3. Press **<+>** or **<->** to scroll through the color programs.

Par Color

To select a static color for the Pars using an RF remote:

1. Press the **Par icon button** on the RF remote.
2. Press **<STATIC>** on the RF remote.
3. Press **<+>** or **<->** to scroll through the static colors.



- The individual fixture icon buttons can also be used to turn on and off the selected functions.
- Any setting on the RF remote will be saved until the system is rebooted. The system will revert to Auto Mode after reboot.

5. Maintenance

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean all lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the transparent surfaces carefully after cleaning them.



Do not spin the cooling fans using compressed air because they could be damaged.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
26 in (660 mm)	2.8 in (71 mm)	12 in (305 mm)	18.6 lb (8.4 kg)

Note: Dimensions in inches are rounded.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100 to 240 VAC, 50/60 Hz	Auto-ranging

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	191 W	175 W
Operating Current	1.5 A	1 A
Power linking current (products)	12 A (8 products)	12 A (13 products)
Fuse	T 2.5L, 250 V	T 2.5L, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Seetronic IP65-compatible	Seetronic IP65-compatible
Power output connector	Seetronic IP65-compatible	Seetronic IP65-compatible
Power cable plug	Edison (U.S.)	Local Plug

Light Source

	Type	Color	Quantity	Power	Current	Lifespan
Moving head	LED	Cool white	1	40 W	3 A	50,000 hours
Par	LED	Hex color RGBAW + UV	4	10 W	1.3 A	50,000 hours

Photometrics (wash)

Beam angle	Field angle	Illuminance (@ 2m per section)
22°	38°	375 lux

Photometrics (moving head)

Beam angle	Illuminance (@ 2m per head)
16°	6,594 lux

Thermal

Maximum External Temperature	Cooling System
104 °F (40 °C)	Fan-assisted convection

DMX

I/O Connector	Channel Range
3-pin XLR	3, 16, or 46Ch

Ordering

Product Name	Item Code	UPC Number
GigBAR Bridge ILS	10052307	781462226558



Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 3360 Davie Rd., Suite 509 Davie, FL 33314 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetdj.com
Chauvet U.K.	
Address: Pod 1 EVO Park Little Oak Drive, Sherwood Park Nottinghamshire, NG15 0EB UK Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetdj.eu
Chauvet Benelux	
Address: Vaartlaan 9 9800 Deinze Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetdj.eu
Chauvet France	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetdj.eu
Chauvet Germany	
Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetdj.eu
Chauvet Mexico	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetdj.mx

Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration.