EclPar IPMUV

80W IP65 UV (365nm) single source
LED PAR, 40°, black

USER MANUAL

Rev. 12-Dec-25

English version

Thank you for choosing PROLIGHTS

Please note that every PROLIGHTS product has been designed in Italy to meet quality and performance requirements for professionals and designed and manufactured for the use and application as shown in this document.

Any other use, if not expressly indicated, could compromise the good condition/operation of the product and/or be a source of danger.
This product is meant for professional use. Therefore, commercial use of this equipment is subject to the respectively applicable national accident prevention rules and regulations.

Features, specifications and appearance are subject to change without notice. Music & Lights S.r.l. and all affiliated companies disclaim liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document.

Product user manual can be downloaded from the website www.prolights.it , or can be inquired to the official PROLIGHTS distributors of your territory (***https://www.prolights.it/sales_network.html***).

Scanning the below **QR Code**, you will access the download area of the product page, where you can find a broad set of always updated technical documentation: specifications, user manual, technical drawings, photometrics, personalities, fixture firmware updates.

Visit the download area of the product page

INDEX

SAFETY INFORMATION

WARNING!

- See https://www.prolights.it/product/ECLPARIPMUV#download for installation instructions.
- Please read carefully the instruction reported in this section before installing, powering, operating or servicing the product and observe the indications also for its future handling.

This unit is not for household and residential use, only professional applications.

Connection to mains supply

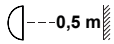
- The Connection to the mains supply must be carried out by a qualified electrical installer.
- Use only AC supplies 100-240V 50-60 Hz, the fixture must be electrically connected to ground (earth).
- Select the cable cross section in according with the maximum current draw of the product and the possible number of products connected at the same power line.
- The AC mains power distribution circuit must be equipped with magnetic+residual current circuit breaker protection.
- Do not connect it to a dimmer system; doing so may damage the product.
- The product has XLR sockets for DMX input and output.
- Connection of the control signal: DMX LINE.
- Notice: this control circuit is not isolated.
- Cumulative leakage current of less than 3.5mA on the control circuit.

Protection and Warning against electrical shock

- Do not remove any cover from the product, always disconnect the product from AC power before servicing.
- Ensure that the fixture is electrically connected to ground (earth). And use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault (earth-fault) protection.
- Before using the fixture, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.
- Isolate the fixture from power immediately if the power plug or any seal, cover, cable, or other components are damaged, defective, deformed or showing signs of overheating.
- Do not reapply power until repairs have been completed.
- Refer any service operation not described in this manual to PROLIGHTS Service team or an authorized PROLIGHTS service center.

Installation

- Make sure that all visible parts of the product are in good visible condition before its use or installation.
- Make sure the point of anchorage is stable before positioning the projector.
- When suspending the fixture above ground level, secure it against failure of primary attachments by attaching a safety cable that is approved as a safety attachment for the weight of the fixture to the attachment point on the main frame of the product. In case the safety cable, enter in action, it needs to be replaced with a new one.
- Install the product only in well ventilated places.
- For non temporary installations, ensure that the fixture is securely fastened to a load-bearing surface with suitable corrosionresistant hardware.
- For a temporary installation with clamps, ensure that the quarter-turn fastener and/or screws are turned fully, and secured with a suitable safety cable.



Minimum distance of illuminated objects

- The projector needs to be positioned so that the objects hit by the beam of light are at least 0.5 meters (1.64 ft) from the lens of the projector.

T_a 45°C

Max operating ambient temperature (Ta)

- Do not operate the fixture if the ambient temperature (Ta) exceeds 45 °C (113 °F).

T_a -20°C

Minimum operating ambient temperature (Ta)

- Do not operate the fixture if the ambient temperature (Ta) is below -20 °C (-4 °F).

Protection from burns and fire

- The exterior of the fixture becomes hot during use. Avoid contact by persons and materials.
- Ensure that there is free and unobstructed airflow around the fixture.
- Keep flammable materials well away from the fixture
- Do not expose the front glass to sunlight or any other strong light source from any angle. Lenses can focus the sun's rays inside the fixture, creating a potential fire hazard.
- Do not attempt to bypass thermostatic switches or fuses.

IP65

Permanent Outdoor use

- This product is rated with an IP (Ingress protection) for permanent outdoor use when used and serviced according to the instruction contained in this document.
- Never use the fixture in places subject to vibrations or bumps.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Excessive dust, smoke fluid, and particle build up degrades performance, causes overheating and will damage the fixture.
- Damages caused by inadequate cleaning or maintenance are not covered by the product warranty.

T_c 70°C

Temperature of the external surface

- The surface of the fixture can reach up to 70 °C (158 °F) during operation. Avoid contact with people and materials.

Maintenance

- Warning! Disconnect the fixture from AC mains power and allow to cool for at least 10 minutes before handling.
- Only technicians who are authorized by PROLIGHTS or Authorised service partners are permitted to open the fixture.
- Users may carry out external cleaning, following the warnings and instructions provided, but any service operation not described in this manual must be referred to a qualified service technician.
- Important! Excessive dust, smoke fluid, and particle build up degrades performance, causes overheating and will damage the fixture. Damages caused by inadequate cleaning or maintenance is not covered by the product warranty.

Photobiological safety

- This device emits potentially dangerous optical radiation and is identified in the category of Risk Group 1 according to EN 62471.

Disposal

- This product is supplied in compliance with European Directive 2012/19/EU – Waste Electrical and Electronic Equipment (WEEE). To preserve the environment please dispose/ recycle this product at the end of its life according to the local regulation.

The products to which this manual refers comply with:

- 2014/35/EU - Safety of electrical equipment supplied at low voltage (LVD).
- 2014/30/EU - Electromagnetic Compatibility (EMC).
- 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS).

FCC Compliance:

- This device complies with Part 15 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.

Other approvals

- The product meets the safety requirements of the certification procedures of the market in which it is placed and sold.

1 - PACKAGING

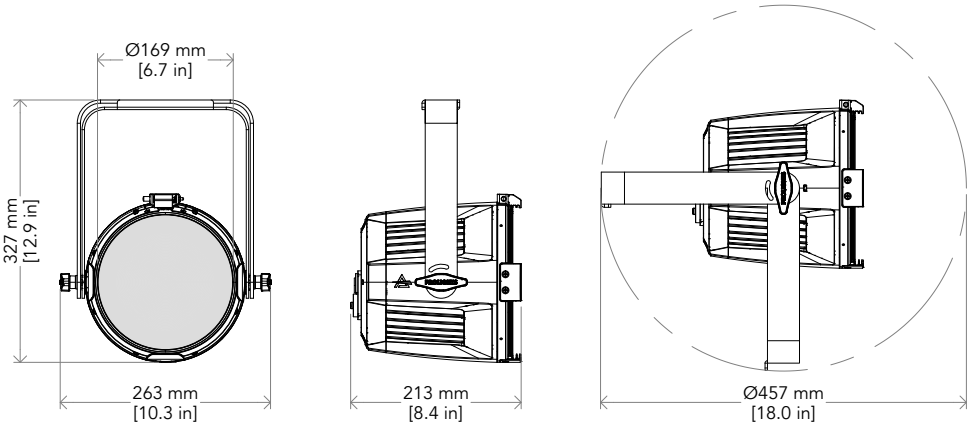
PACKAGE CONTENT

- 1 x ECLPARIPMUV
- 1 x EPIPMUVLENS40
- 1 x 1,5 meters power cable (BARE END - SEETRONIC IP65 power connector)
- 1 x User Manual

OPTIONAL ACCESSORIES

Check the updated accessories list, description and informations of the product at the following link:
https://www.prolights.it/product/ECLPARIPMUV#accessories

2 - TECHNICAL DRAWING



Weight: 4,1Kg - 9,04 lbs

Fig. 01

3 - INSTALLATION

MOUNTING

Check that the supporting structure can safely bear the weight of all installed fixtures, clamps, cables, auxiliary equipment, etc. and complies with locally applicable regulations.
When suspending the fixture above ground level, secure it against failure of primary attachments by attaching a safety wire that is approved as a safety attachment for the weight of the fixture to an anchor point on the product main frame.
Do not use removable parts or weak anchors for secondary attachment.
Warning! When clamping the fixture to a truss or other structure at any angle, use clamps of half-coupler type. Do not use any type of clamp that does not completely encircle the structure when fastened.

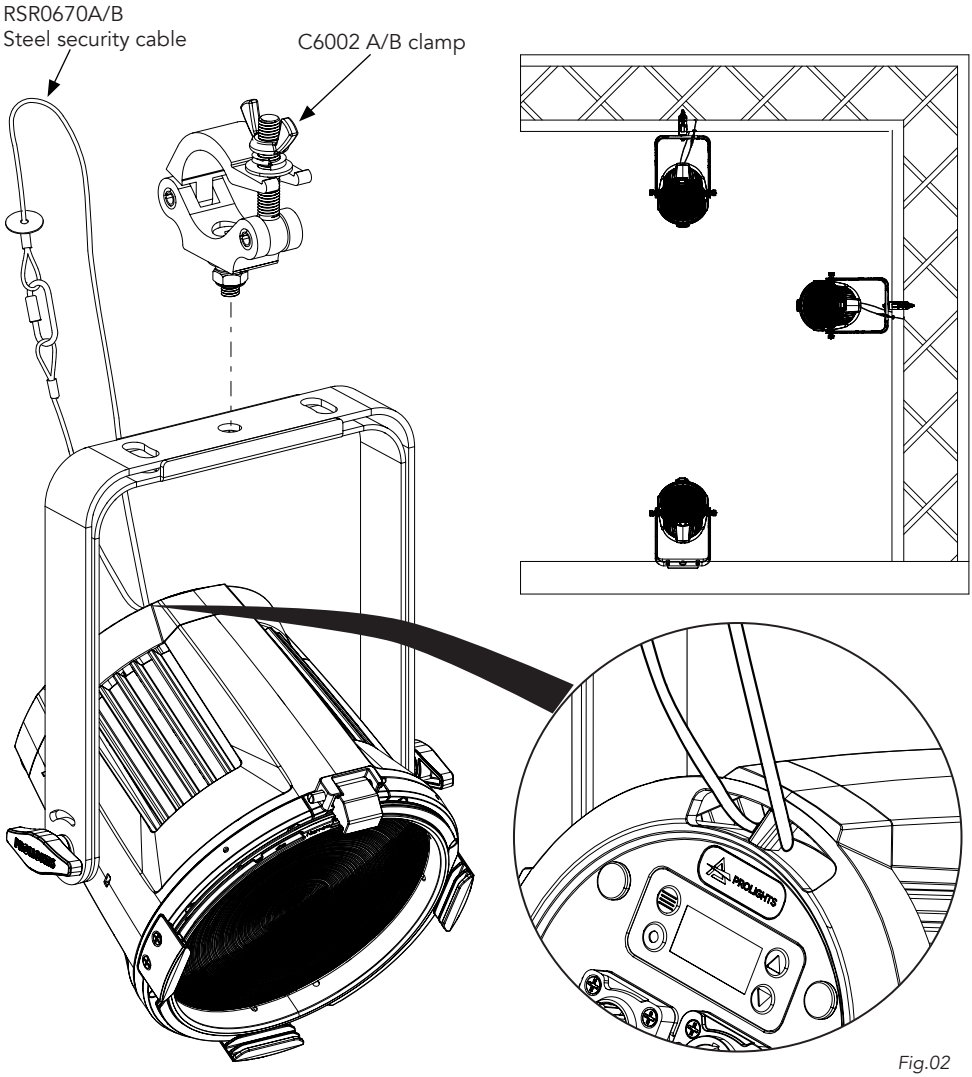


Fig.02

4 - CONNECTION TO THE MAINS SUPPLY

WARNING: For protection from electric shock, the fixture must be earthed!
The product is equipped with auto-switching power supply that automatically adjusts to any 50-60Hz AC power source from 100-240 Volts.
If you need to install a power plug on the power cable to allow connection to power outlets, install a grounding-type (earthed) plug, following the plug manufacturer's instructions. If you have any doubts about proper installation, consult a qualified electrician.
The max power consumption is 80 W.

Core (EU)	Core (US)	Connection	Plug terminal marking
Brown	Black	Live	L
Blue	White	Neutral	N
Yellow+green	Green	Earth	

5 - START UP

CONNECT AND DISCONNECT POWER FROM THE PRODUCT

To apply and disconnect power to the product:

- Check that the product is installed and secured as indicated in the Safety Informations, and that personal safety will not be put at risk when the fixture lights up.
- Connect the power connector into the Mains input socket (100-240 VAC-50/60 Hz).
- The product is then ready for its operations and can be controlled through the available input signals on board.
- To disconnect power from the product, disconnect the Mains from the socket.

6 - PRODUCT OVERVIEW

1. BRACKET for hanging safe.
2. BRACKET for floor positioning.
3. HOLDER CLIP for filter frame and barndoor accessory.
4. SAFETY EYE to attach safety cable.
5. USER INTERFACE with display and buttons for access to the control panel functions.
6. POWER IN: for connection to the Mains 100-240V~/50-60Hz.
7. DMX IN (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
8. DMX OUT (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
9. KNOB for bracket.
10. POWER OUT: power output for connection of multiple units in series.
11. ACCESSORY HOLDER for filter frame and barndoor accessory.

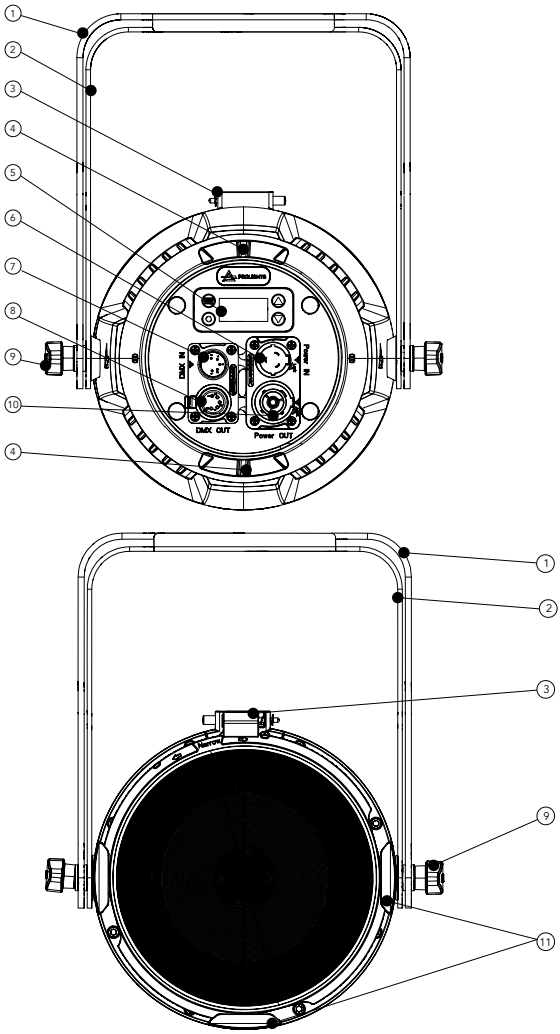


Fig 03

7 - DMX CONNECTION

CONNECTION OF THE CONTROL SIGNAL: DMX LINE

DMX - INPUT
XLR plug

Pin1 : GND - Shield
Pin2 : - Signal
Pin3 : + Signal
Pin4 : N/C
Pin5 : N/C

DMX - OUTPUT
XLR socket

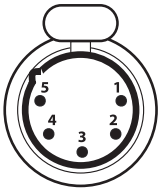


Fig. 04

The product has XLR sockets for DMX input and output.
The default pin-out on both socket is as the following diagram:

INSTRUCTIONS FOR A RELIABLE DMX CONNECTION

Use shielded twisted-pair cable designed for RS-485 devices: standard microphone cable cannot transmit control data reliably over long runs. 24 AWG cable is suitable for runs up to 300 meters (1000 ft). Heavier gauge cable and/or an amplifier is recommended for longer runs.
To split the data link into branches, use splitter-amplifiers in the connection line.
Do not overload the link. Up to 32 devices may be connected on a serial link.

CONNECTION DAISY CHAIN

Connect the DMX data output from the DMX source to the product DMX input (male connector XLR) socket.
Run the data link from the product XLR output (female connector XLR) socket to the DMX input of the next fixture.
Terminate the data link by connecting a 120 Ohm signal termination. If a splitter is used, terminate each branch of the link.
Install a DMX termination plug on the last fixture on the link.

CONNECTION OF THE DMX LINE

DMX connection employs standard XLR connectors. Use shielded pair-twisted cables with 120Ω impedance and low capacity.
The following diagram shows the connection mode:

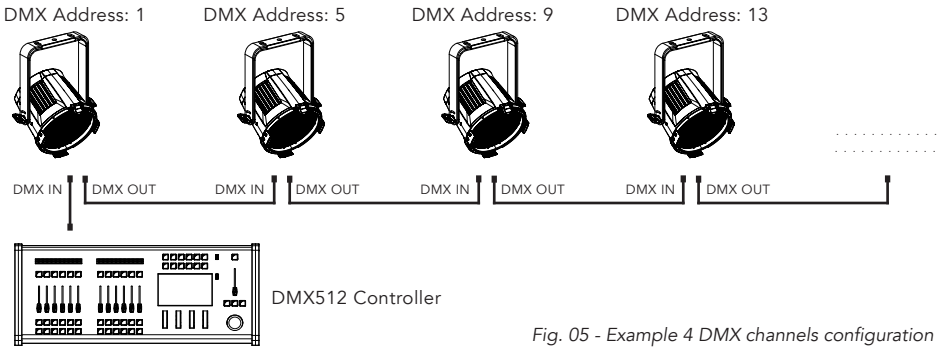
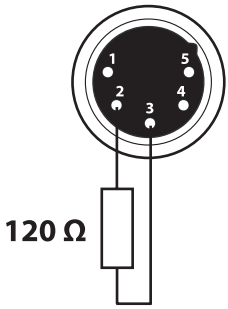
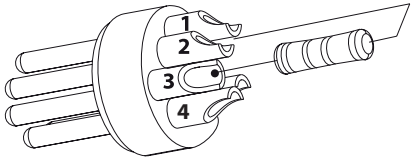


Fig. 05 - Example 4 DMX channels configuration

CONSTRUCTION OF THE DMX TERMINATION

The termination is prepared by soldering a 120Ω 1/4 W resistor between pins 2 and 3 of the male XLR connector, as shown in figure.





Example:
5 pin XLR connector

Fig. 06

DMX ADDRESSING

In order to start controlling the product via DMX, the first step is to select a DMX address, also known as the start channel, this is the first channel used to receive instructions from a DMX controller. If you wish to control the product individually, it is necessary to assign a different starting address channel to each fixture.
The number of channels occupied from the product depends on the DMX mode selected, so always verify the DMX Mode in the MENU before start addressing.
If you assign two fixtures the same address, they will be executing the same behaviour. Selecting the same address to multiple fixtures can be useful for diagnostic purposes and symmetrical control.
DMX addressing is limited to make it impossible to set the DMX address so high that you are left without enough control channels for the product.
To set the fixture's DMX address:

1. Press ENTER to open the main menu.
2. Reach the addressing menu, then select the DMX ADDRESS settings.
3. Select the address from 1 to 512 using the navigation arrows/buttons and confirm by pressing ENTER.
4. Press Menu to exit and return to the Home screen.

OPERATION AS A WIRELESS TRANSMITTER

ECLPARIPMFC can be used as wireless transmitter to transmit DMX signal to different wireless receivers. To use ECLPARIPMFC as wireless transmitter, please follow the procedure below:

1. Push ENTER button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select WIRELESS, then press ENTER to confirm.
3. Push ENTER button on CRMX ON/OFF function and enable it to ON.
4. Select CRMX mode and set it on Transmitter (please note that CRMX mode will be available only if CRMX ON/OFF is set to ON).
5. Ensure that the receiver units are not connected to any other transmitter. Please refer to "Reset the receiver" paragraph.
6. Enable TX LINK to ON to link transmitter to receivers (please note that TX LINK will be available only if CRMX mode is set to Transmitter).

- The transmitter scans for all unlinked receivers for a period of about 5 seconds.
- If the connection fails, check the position of the receiver.
- The wireless icon on the receiver display indicates the received signal strength.

Unlinking the transmitter
Follow the procedure below to unlink the transmitter from all receivers connected with the unit.
1. Push ENTER button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select Wireless, then press ENTER to confirm.
3. Enable TX UNLINK to ON 8 (please note that TX UNLINK will be available only if CRMX mode is set to Transmitter).

- All connected receivers will be unlinked.

IN TO CRMX

This function enable or disable the transmission throught wireless of the DMX signal from the transmitter side to the receiver.
Any incoming signal (ArtNet, sACN or DMX) is retransmitted throught wireless. It's possible to choose retransmission of Main Fixture or Pixel Engine.
If the ECLPARIPMFC protocol selected is ArtNet / sACN, the CRMX module will retransmit the DMX values contained in the ArtNet / sACN signal received from the ECLPARIPMFC.

NOTE: Artnet and sACN have higher priority on DMX if they are connected to transmitter.
NOTE: Do not use IN TO CRMX and ETH TO DMX simultaneously, this will cause data conflict on DMX output signal.

OPERATION AS A WIRELESS RECEIVER

ECLPARIPMFC can be used as wireless receiver connected to a wireless transmitter.
To use ECLPARIPMFC as wireless receiver, please follow the procedure below:
1. Push ENTER button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select Wireless, then press ENTER to confirm.
3. Push ENTER button on CRMX ON/OFF function and enable it to ON.
4. Select CRMX mode and set it on Receiver (please note that CRMX mode will be available only if CRMX ON/OFF is set to ON).
5. Enable RX RESET to ON to reset the receiver (please note that RX RESET will be available only if CRMX mode is set to Receiver).
6. On the transmitter, enable TX LINK to ON to link transmitter to the receivers.
7. If the connection is successful and DMX input is available the display the display on the receiver unit will shows the DMX address. If DMX signal is not available, the display will shows "No signal" but keeps the transmitter linked.
8. If the connection fails, check the position of the receiver.
9. The wireless icon on the receiver display indicates the received signal strength.

Reset the receiver
Follow the procedure below to reset the receiver.
1. Push MENU button untill you show CONNECT on display, then press ENTER button to confirm.
2. Use UP/DOWN buttons for select Wireless, then press ENTER to confirm.
3. Enable RX RESET to ON.

- The wireless icon on the receiver display indicates the received signal strength.

CRMX TO DMX (RX)

This function enable or disable the retransmission of the wireless DMX signal received throught the DMX port on the receiver side.

8 - CONTROL PANEL

The product has a display and buttons for access to the control panel functions.

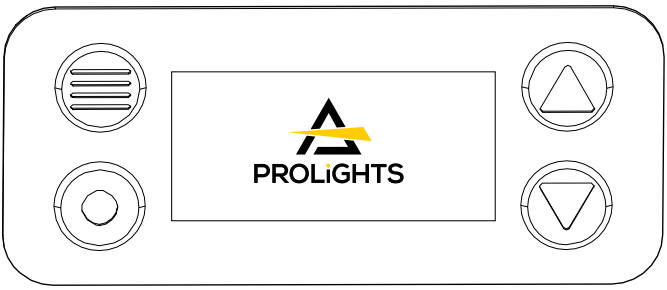


Fig. 07

DISPLAY AND BUTTONS LAYOUT

The product has a display and buttons for access to the control panel functions:

1 

- MODE / ESC: used to access the menu tree or to return a previous menu window.

2 

- ENTER: used to confirm the current menu or confirm the current function value or option within a menu.

3 

- UP: browse upwards through the menu list and increases the numeric value displayed.

4 

- DOWN: browse downwards through the menu list and decreases the numeric value displayed.

9 - MENU STRUCTURE

The following chart describes the MENU tree of the product, the terms shown in **BOLD** indicates the default settings.

MENU: CONNECT

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
DMX ADDRESS	**1**-512				*Set DMX Address*
DMX MODE	UNO				*Set DMX Mode*
	DUO				
	STANDARD				
WIRELESS (Optional)	CRMX ON/OFF	ON			*Enable/Disable the wireless card.*
		OFF			
	CRMX MODE	TX CRMX			*Choose whether to set the wireless card as Transmitter or Receiver. For Transmitter mode you can also select which protocol to transmit. CRMX mode is unlocked only if CRMX ON / OFF is ON.*
		TX G4S			
		TX G3			
		RX			
	TX LINK	ON			*TX link unlock when the unit is set as a transmitter.*
		OFF			
	TX UNLINK	ON			*Disconnect the transmitter from all receivers. TX unlink unlocks only if CRMX mode is on transmitter.*
		OFF			
	RX RESET	ON			*Disconnect the transmitter from all receivers. TX unlink unlocks only if CRMX mode is on transmitter*
		OFF			
	IN TO CRMX (TX)	**ON**			*Enable/Disable the transmission of the DMX from the transmitter to the receiver via CRMX.*
		OFF			
	CRMX TO DMX (RX)	**ON**			*Enable/Disable the retransmission of the DMX from the receiver to the other units connected by cable to the receiver itself.*
		OFF			
	LINKING KEY	When In RX Mode: 1. Insert 8 digit code 2. Ask for mode (CRMX or CRMX²) 3. Ask for universe (CRMX: A,C,E,G I CRMX²: A,B,C,D,E,F,G,H) When in TX CRMX Mode: 1. Insert 8 digit code				*Linking key can be used as a simple way to link receivers to a transmitter without the need to initiate the linking process on the transmitter. This allows the user to just enter the code into the receiver and it will be linked to the transmitter with the same code.*
	UNIVERSE METADATA	In RX Mode: 1. RGB Color code received from TX 2. Universe name received from TX In TX CRMX Mode: 1.RGB Color code set from R,G,B combo list 2. Universe name by default takes first 16 characters of Model Name.			*CRMX transmitters may transmit some universe metadata information used to identify the received universe on the receiver side. These are; Universe name: A 16 character string with a human readable name identifying the universe. Universe color: RGB code for an LED that can easily be used to visually identify the universe by color.*

MENU: SETUP

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
SCREEN	BACKLIGHT	ON			*Select the timing after that display will switch automatically off when unactive.*
		10S			
		20S			
		30S			
	FLIP DISPLAY	ON			*Allows you to rotate the display by 180°*
		OFF			
	KEY LOCK	ON			*Lock the buttons on the control panel by a password.* *Press following combinations (password) in order to access to the user menu : UP, DOWN, UP, DOWN, ENTER*
		OFF			
	TEMPERATURE UNIT	**°C**			*Choose Temperature unit.*
		°F			
TRANSFER CONFIG	WITHOUT DMX ADDRESS				*Transfer settings from current fixture to other fixture of the same model using DMX Protocol. If there is signal coming from other source Transfer Configuration it's not available.*
	WITH DMX ADDRESS				

MENU: ADVANCED

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
DIMMER CURVE	LINEAR				*Set Dimmer Curve for Main Dimmer function.*
	S-CURVE				
	SQUARE LAW				
	INVERSE SQUARE LAW				
DIMMER SPEED	**AUTO**				*Set Dimmer Speed. This parameter defines interpolation of DMX Changes for main functions.* *Off turns off interpolation.*
	FAST				
	MEDIUM				
	SLOW				
	OFF				
LED FREQUENCY	600HZ	6000HZ			*Select PWM frequency.* *NOTE: Using higher LED Frequency color accuracy may be slightly compromised at low level of dimmer.*
	1200HZ	25KHZ			
	2000HZ	36KHZ			
	4000HZ	40KHZ			
DMX FAULT	HOLD				*Select behaviour in case of Signal fault.*
	BLACKOUT				
	STAND ALONE				
FAN MODES	**CONSTANT OUTPUT**	**Auto**			*Select the Optput and fan mode.*
		High			
		Silent1			
		Silent2			
		Off			
	DYNAMIC OUTPUT	Auto			
		High			
		Silent1			
		Silent2			
		Off			
USER SETTINGS	PRESET 1				*Presets are stored by the user*
	PRESET 2				
	PRESET 3				
	PRESET 4				
	PRESET 5				
FACTORY RELOAD	ON				*Factory Reload to bring back all default values and settings.*
	OFF				

MENU: INFORMATIONS

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
DEVICE TIME	FIXTURE HOURS	<99999H>			*View informations about product operating lifetime. Fixture Hours is countered based on general operation time. Hours are countered since Power is plugged in. Source Hours is countered based on LED Activity time.*
	CURRENT HOURS	<99999H>			
	SOURCE HOURS	<99999H>			
	AC POWER ON CYCLE	<99999H>			
	MAINTENANCE TIME	ELAPSED TIME			
		ALERT PERIOD	10 - 1000		
POWER CONS.	** W				*Show estimated power consumption.*
TEMPERATURE	NEAR SOURCE TEMP, DRIVER PCB TEMP, LED PCB TEMP,…				*Show all NTC temperatures.*
WIRELESS QUALITY	** %				*Show Wireless quality by percentage.*
CHANNEL VALUE					*Show all Channel values as a list, value shown depends on DMX Mode*
ERROR MESSAGE					*Show error message*
FIXTURE MODEL	< - >				*Show RDM fixture model*
DEVICE LABEL	<RDM LABEL>				*Show RDM Label.*
CALIBRATION	MASTER				*Show calibration state.*
SOFTWARE VERSION	"<V1.0>"				*Show firmware version of the fixture*
CRMX MODULE VERSION	TimoFX: Vx.x.xx				*Show firmware version of TimoFX module.*
RDM UID	15D0D129****				*Show RDM UID of the fixture.*

MENU: STAND ALONE

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	DESCRIPTION
MASTER/SLAVE	MASTER DMX				*Allow you to link and operating in synk multiple units without a DMX console. Choose a unit to perform as the Master. Master No DMX: fixture is not broadcasting signal.*
	MASTER NO DMX				
	SLAVE				
EFFECTS	EFFECT 1 to 5	DIMMER	<0-255>		
		SPEED	<0-100>		
		STROBE	<0-100>		
STATIC	DIMMER	DIMMER 000 - 255			

10 - SHORTCUT

Keys	Mode	Description
MENU + ENTER then power on	Clear All	Clear all value of functions + factory default
UP + DOWN after power on	Flip Display	Directly flip display without enter inside menu

11 - RDM FUNCTIONS

The product can communicate using RDM (Remote Device Management) protocol over a DMX512 Networks.
RDM is a bi-directional communications protocol for use in DMX512 control systems, it is the open standard for DMX512 device configuration and status monitoring.
The RDM protocol allows data packets to be inserted into a DMX512 data stream without affecting existing non-RDM equipment. It allows a console or dedicated RDM controller to send commands to and receive messages from specific fixtures.
The PIDs in the following tables are supported in the product.
RDM is also available on Wireless. WDMX Tiny's Downstream must be enabled in its custom PIDs to work.

Category	Parameter	Value	GET	SET
RDM Information	SUPPORTED_PARAMETERS	0x0050	x	
	PARAMETER_DESCRIPTION	0x0051	x	
Product Information	PRODUCT_DETAIL_ID_LIST	0x0070	x	
	DEVICE_MODEL_DESCRIPTION	0x0080	x	
	MANUFACTURER_LABEL	0x0081	x	
	DEVICE_LABEL	0x0082	x	x
	FACTORY_DEFAULTS	0x0090	x	x
DMX512 Setup	DMX_PERSONALITY	0x00E0	x	x
	DMX_PERSONALITY_DESCRIPTION	0x00E1	x	
	DMX_START_ADDRESS	0x00F0	x	x
	SLOT_INFO	0x0120	x	
	SLOT_DESCRIPTION	0x0121	x	
	DEFAULT_SLOT_VALUE	0x0122	x	
Sensors	SENSOR_DEFINITION	0x0200	x	
	SENSOR_VALUE	0x0201	x	x
Dimmer Settings	DIMMER_INFO	0x0340	x	
	CURVE	0x0343	x	x
	CURVE_DESCRIPTION	0x0344	x	x
	OUTPUT_RESPONSE_TIME	0x0345	x	x
	OUTPUT_RESPONSE_TIME_ DESCRIPTION	0x0346	x	
	MODULATION_FREQUENCY	0x0347	x	x
	MODULATION_FREQUENCY_ DESCRIPTION	0x0348	x	
Power/Lamp Settings	DEVICE_HOURS	0x0400	x	x
	LAMP_HOURS	0x0401	x	
	DEVICE_POWER_CYCLES	0x0405	x	x
Display Settings	DISPLAY_INVERT	0x0500	x	x
Control	IDENTIFY_MODE	0x1040	x	x

Manufacturer Specific PIDs

Parameter	PID	GET	SET	Value	Description
MASTER/SLAVE	0x8211	x	x	0-2	0: Master DMX 1: Master NO DMX **2: Slave**
DMX FAULT	0x82DD	x	x	0-2	0: Hold 1: Blackout **2: Stand Alone**
DIMMER STAND ALONE	0x82D3	x	x	0-255	**DEFAULT: 255**
CURRENT HOURS	0x82C5	x		0-1	
ERROR MESSAGES	0x82EA	x		0-2	
MAINTENANCE TIME:ALERT PERIOD	0x82DF	x	x	10-300	**DEFAULT: 300**
MAINTENANCE TIME:ELAPSED TIME	0x82E0	x	x	0-1	**DEFAULT: 0**
CLEAN ALL DATA	0x82C8	x	x	0-1	**0: No** 1: Yes
EFFECTS	0x8209	x	x	1-5	**DEFAULT: 1**
EFFECTS SPEED	0x8210	x	x	0-100	**DEFAULT: 100**
POWER CONSUMPTION	0x82DE	x			
STAND ALONE MODE	0x82EC	x	x	0-1	0:Effects **1:Manual**

13 - DMX CHARTS

RDM PERSONALITY ID LIST

ID	Mode	DMX Footprint
1	UNO	1CH
2	DUO	2CH
3	STANDARD	4CH

RDM MODEL ID

0xD171

DMX MODES LIST

Ch	UNO	DUO	STANDARD
1	Dimmer	Dimmer	Dimmer
2		Dimmer Fine	Dimmer Fine
3			Strobe
4			Control

CHANNEL DEFINITION

Dimmer

Function	8 bit value		16 bit value		Note
	From	To	From	To	
Dimmer	0	255	0	65535	Default @ 0

Strobe

Function	8 bit value		16 bit value		Note
	From	To	From	To	
Open	0	1	-	-	Default @ 0
Strobe from Slow to Fast	2	62	-	-	
Open	63	64	-	-	
Pulse In from slow to fast	65	125	-	-	
Close	126	127	-	-	
Pulse Out from slow to fast	128	188	-	-	
Open	189	190	-	-	
Random from slow to fast	191	251	-	-	
Open	252	255	-	-	

Control Channel

Function			8 bit value		Note
			From	To	
No Function / Safe			0	1	Default @ 0
BACKLIGHT		Display On	2	3	Hold 3s to take function
		Display 10s	4	5	
		Display 20s	6	7	
		Display 30s	8	9	
FLIP DISPLAY		On	10	11	
		Off	12	13	
KEY LOCK		On	14	15	
		Off	16	17	
DIMMER CURVE		Linear	18	19	
		S-Curve	20	21	
		Square Law	22	23	
		Inverse Square Law	24	25	
DIMMER SPEED		**Auto**	26	27	
		Fast	28	29	
		Medium	30	31	
		Slow	32	33	
		Off	34	35	
LED FREQUENCY		600hz	36	37	
		1200hz	38	39	
		2000hz	40	41	
		4000hz	42	43	
		6000hz	44	45	
		25khz	46	47	
		36khz	48	49	
		40khz	50	51	
DMX FAULT		Hold	52	53	
		Blackout	54	55	
		Stand Alone	56	57	
Reserved			58	63	
STAND ALONE		Master Dmx	64	65	
		Master No Dmx	66	67	
		Slave	68	69	
		Effects	70	71	
		Reserved	72	73	
		Static	74	75	
FAN MODE	CONSTANT OUTPUT	**Auto**	76	77	
		High	78	79	
		Silent1	80	81	
		Silent2	82	83	
		Off	84	85	
	DYNAMIC OUTPUT	Auto	86	87	
		High	88	89	
		Silent1	90	91	
		Silent2	92	93	
		Off	94	95	
Reserved			96	249	
Factory Default of control functions			250	251	
Reserved			252	255	

14 - ERROR MESSAGES

The error is shown on the unit display. In the table below, the "ERROR SHOWED ON SCREEN" column lists the possible errors, accompanied by a possible cause ("POSSIBLE" CAUSES "column).
The color of the error messages (listed in the "COLOR MESSAGES" column) is different for each board it refers to ("PCB" column).

ERROR SHOWED ON SCREEN	POSSIBLE CAUSES	CODE
[LED ERROR]	This error message is displayed when the lamp is switched OFF without a command from the product control system	1
[LED TEMPERATURE ERROR]	LAMP sensor damaged (open or in short circuit)	2
[LED TEMP. SENSOR ERROR]	Communication failure between DISP and DRV	3
[DRV ERROR]	Communication failure between calibration chip and DRV2 or Calibration returning unexpected/wrong datas	4

IDENTIFICATION OF ELECTRONIC BOARDS

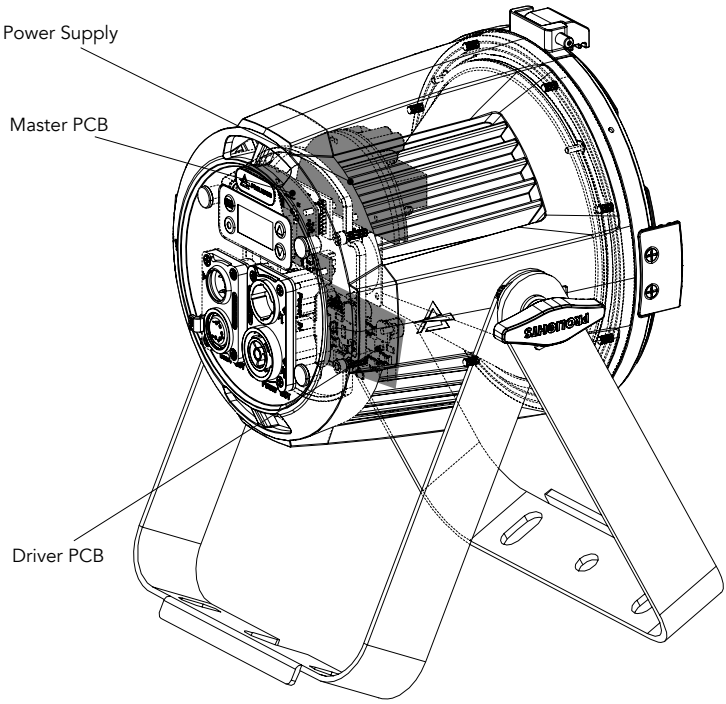
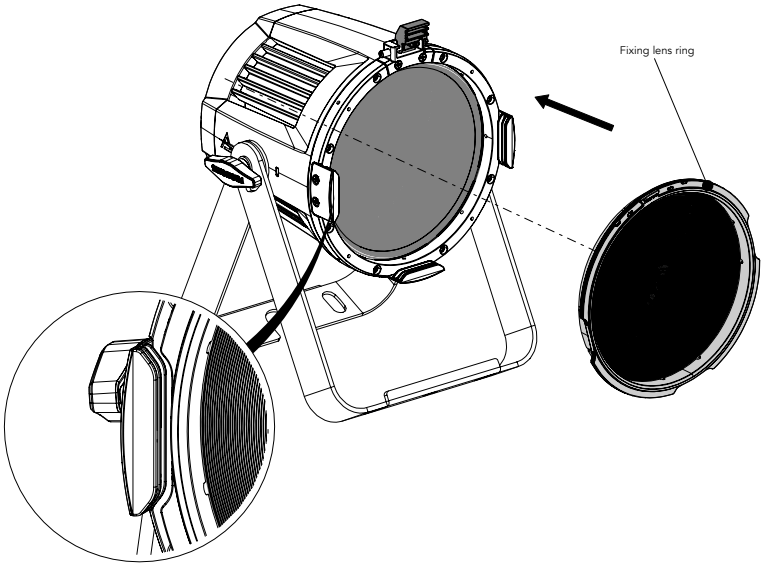


Fig. 08

15 - ACCESSORIES INSTALLATION

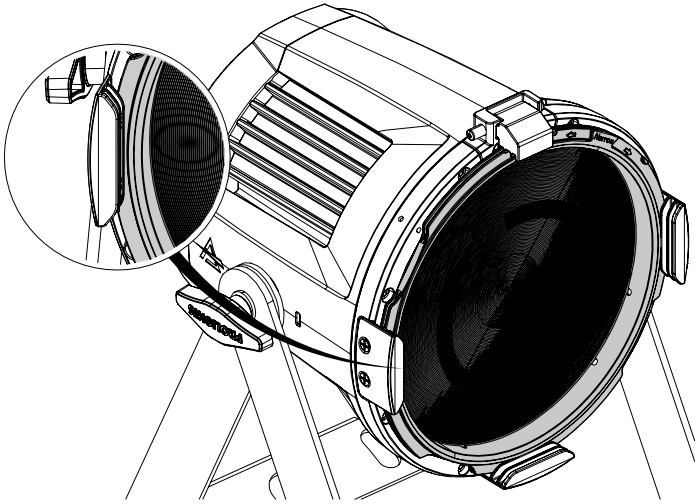
LENS ASSEMBLY (EPIPMUVLENS40 - 40° LENS INCLUDED; EPIPMUVLENS15 - 15° LENS OPTIONAL)

1



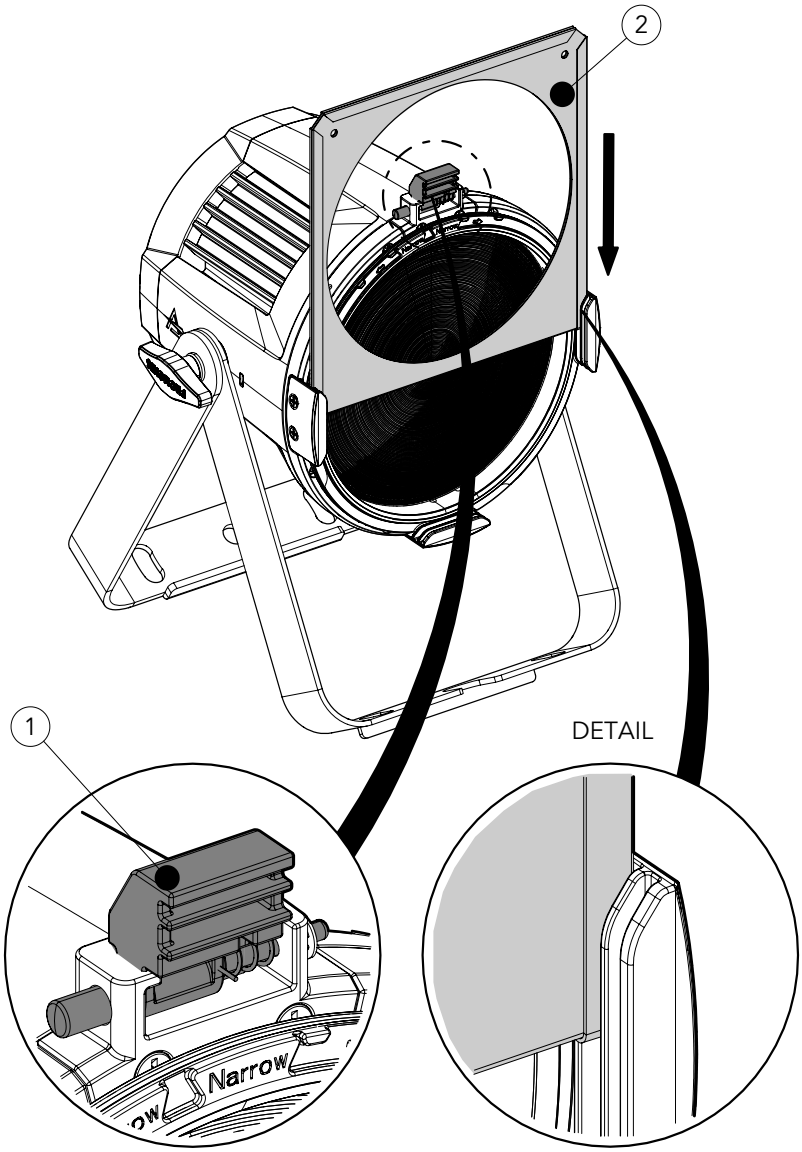
Open the Holder Clip and insert in the fixing lens accessory, pay attention to match the holders with the slots in the accessory.

2



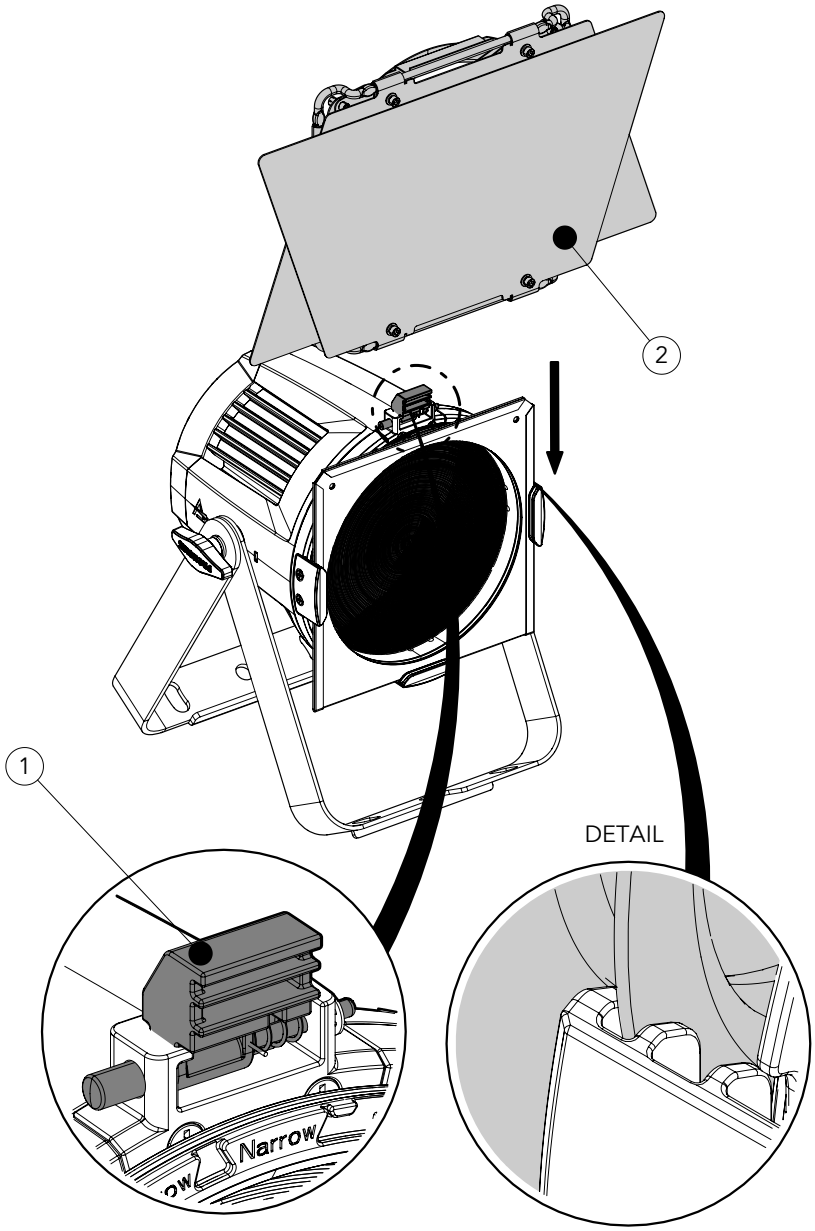
Mount the accessory for fixing lens on the lens cover and rotate to lock it.

Fig.09



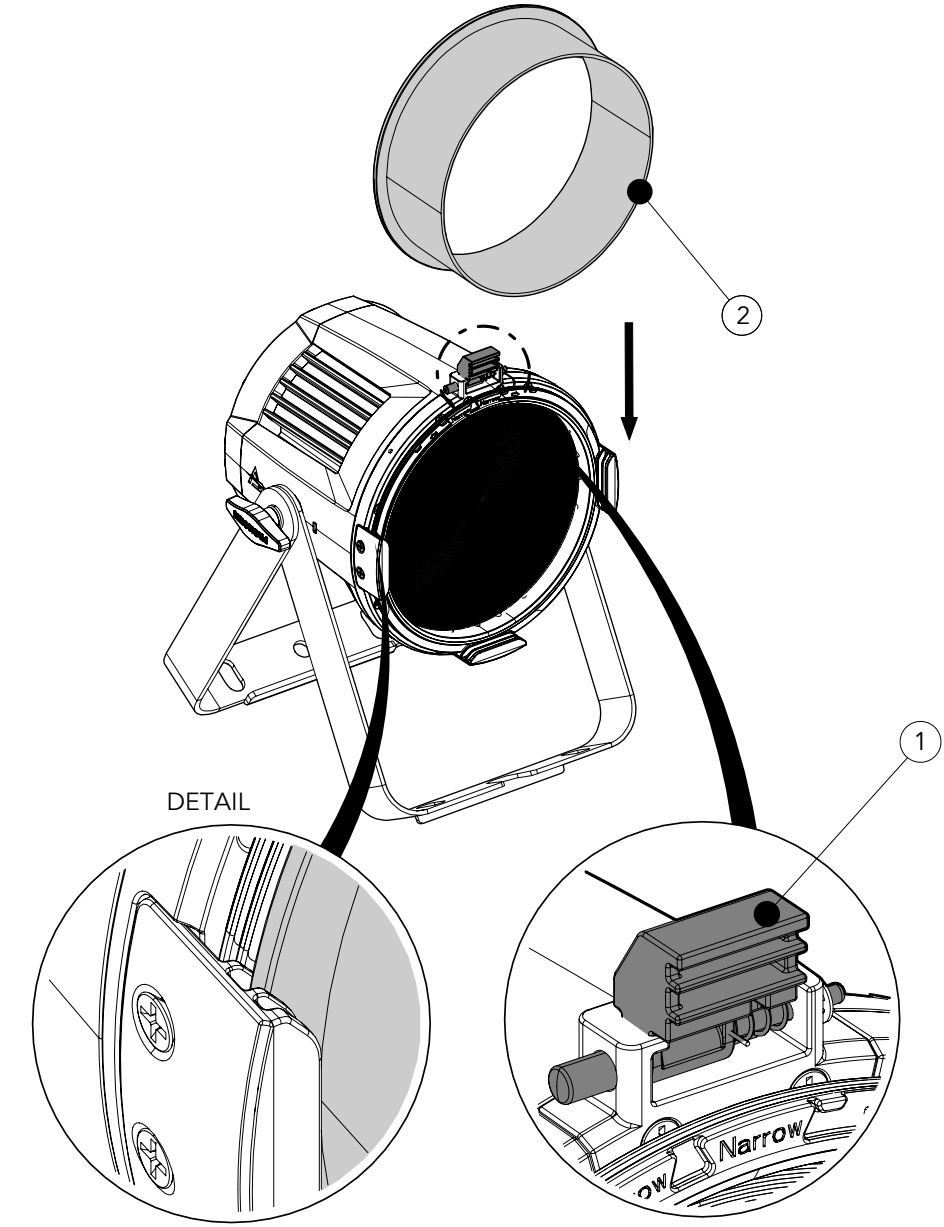
Lift the pin (1) upwards. Insert the filter frame (2) into the gel frame lock (DETAIL) and close down the snap.
NOTE: To remove the accessory, reverse the procedure.

Fig.11



Lift the pin (1) upwards. Insert the barn door (2) into the gel frame lock (DETAIL) and close down the snap.
NOTE: To remove the accessory, reverse the procedure.

Fig.12

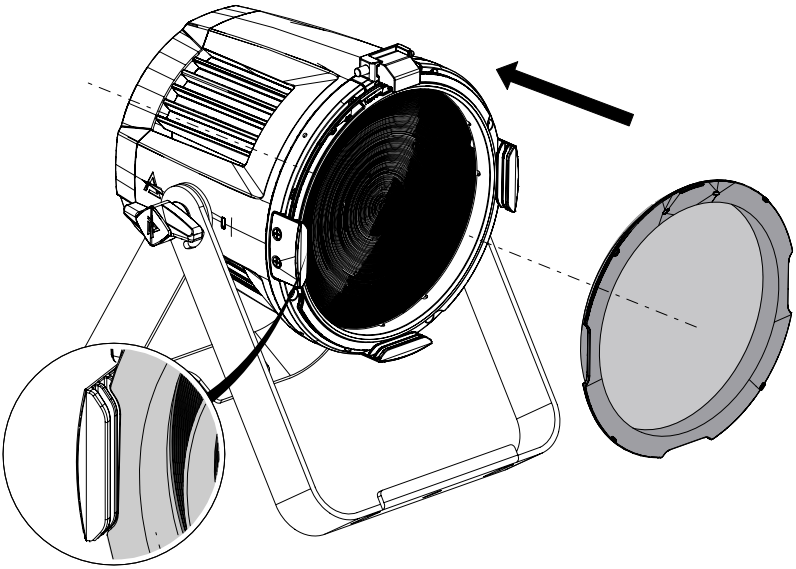


Lift the pin (1) upwards. Insert the snoot (2) into the gel frame lock (DETAIL) and close down the snap.
NOTE: To remove the accessory, reverse the procedure.

Fig.13

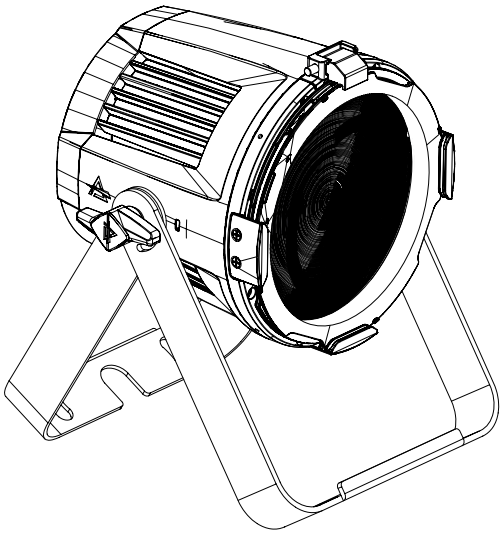
FILTER HOLDER (CODE EPIPMFHBK - OPTIONAL)

1



Open the Holder Clip and insert in the filter holder accessory, pay attention to match the holders with the slots in the accessory.

2

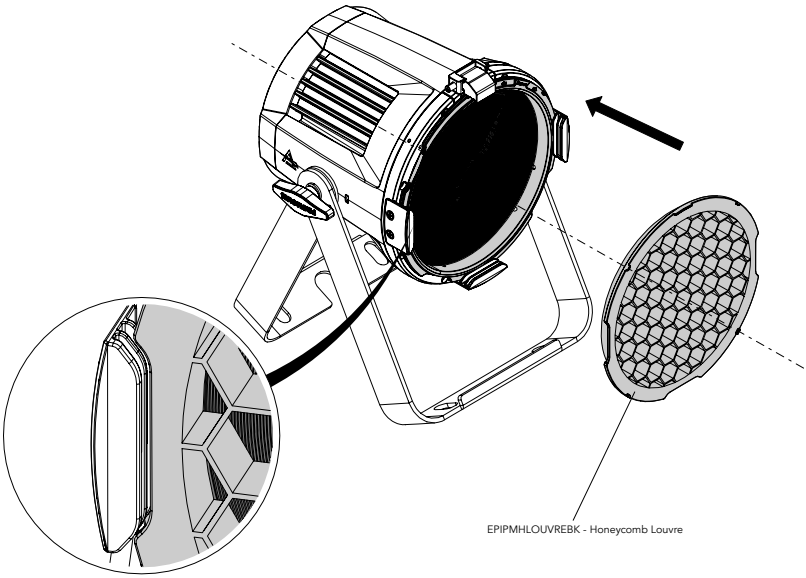


Mount the filter holder and rotate to adjust it.

Fig.14

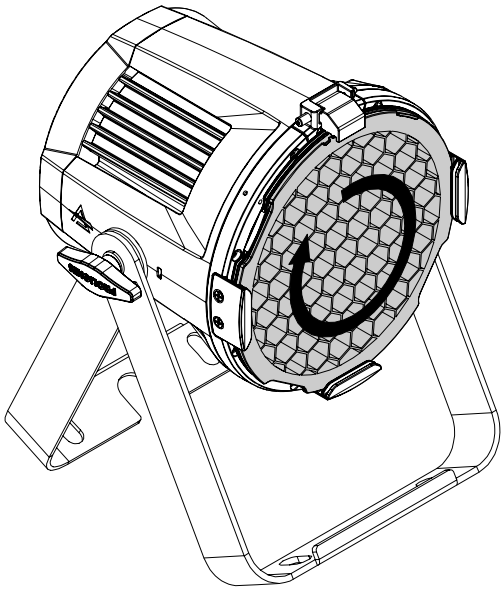
HONEYCOMB LOUVRE (CODE EPIPMHLOUVREBK - OPTIONAL)

1



Open the Holder Clip and insert in the fixing lens accessory, pay attention to match the holders with the slots in the accessory.

2

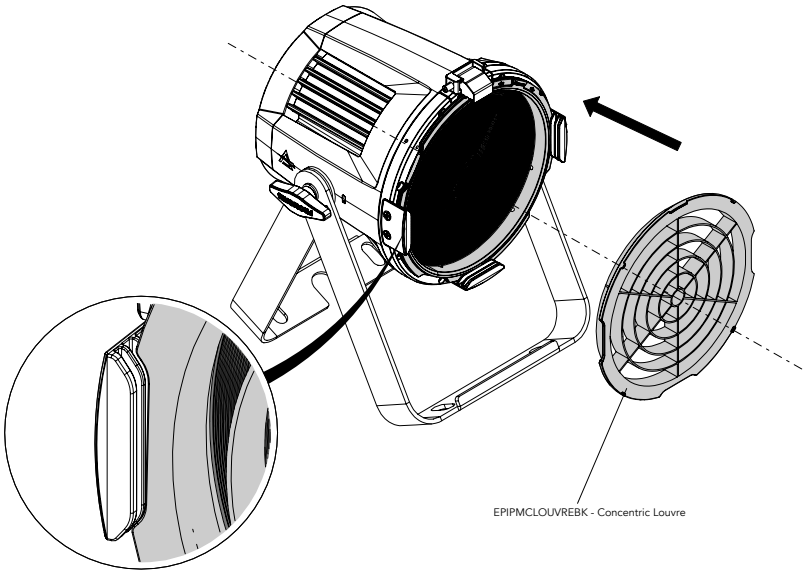


Mount the accessory for fixing lens on the lens cover and rotate to lock it.

Fig.14

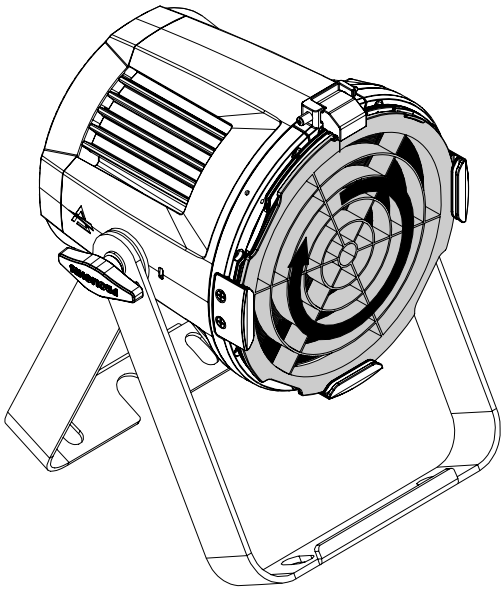
CONCENTRIC LOUVRE (CODE EPIPMCLOUVREBK - OPTIONAL)

1



Open the Holder Clip and insert in the fixing lens accessory, pay attention to match the holders with the slots in the accessory.

2

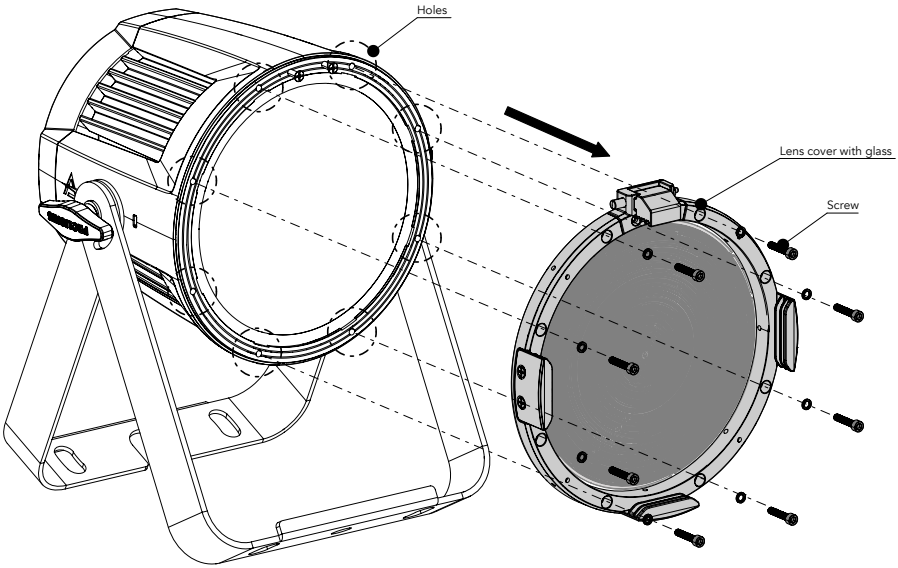


Mount the accessory for fixing lens on the lens cover and rotate to lock it.

Fig.15

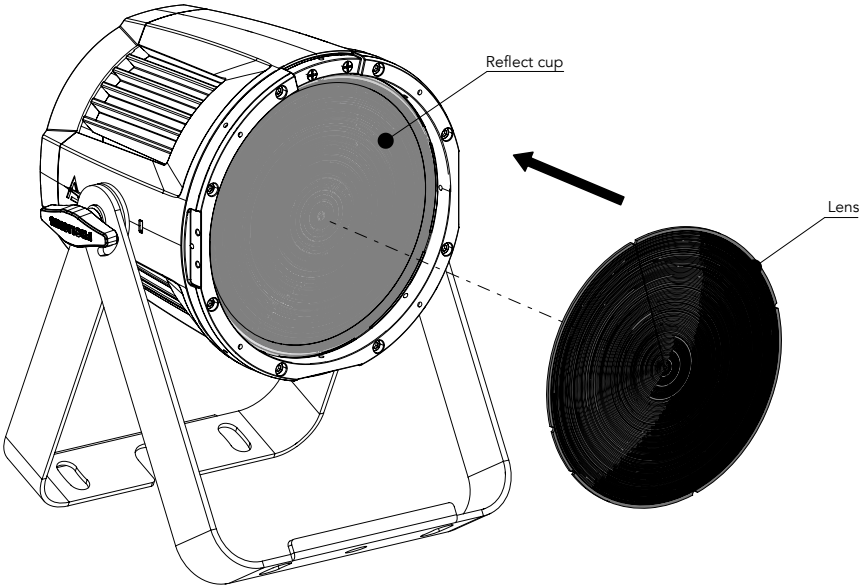
LENS ASSEMBLY FROM INSIDE

1



Loosen the 8 M4x20 screws and the M4 washers to remove the lens cover and glass.

2

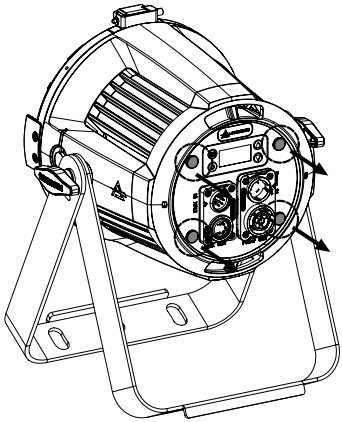


Mount the lens on the reflect cup and then carry out the reverse operation of the previous point to reassemble the lens cover with the glass.

Fig.16

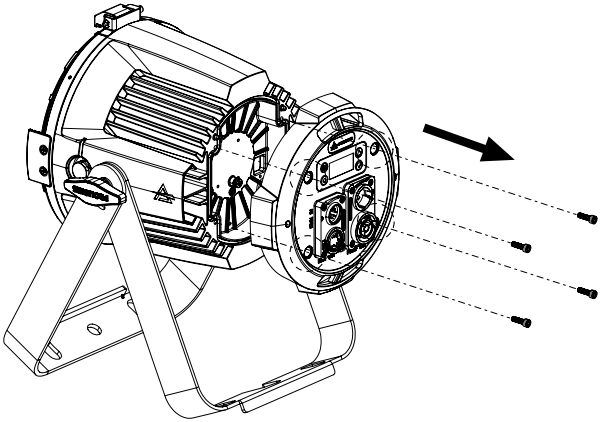
WIRELESS KIT (CODE ECLPARIPMWK - OPTIONAL)

1



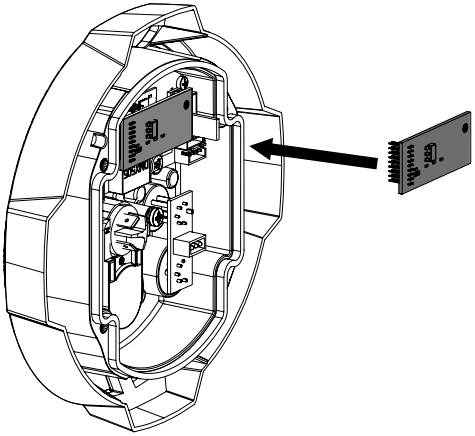
Remove the 4 grommets as shown in Figure 1.

2

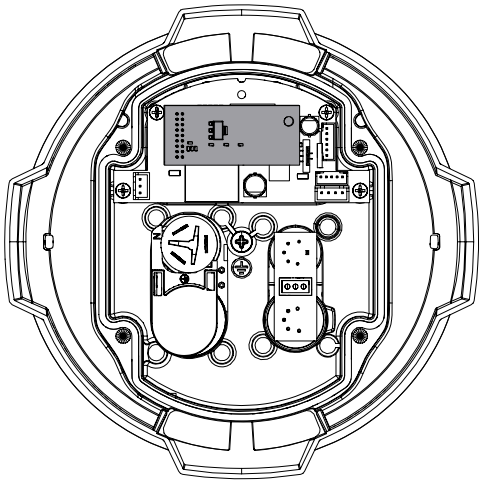


Unscrew the screws under the grommets and remove the cover with the connectors and the user interface as shown in Figure 2.

3



4

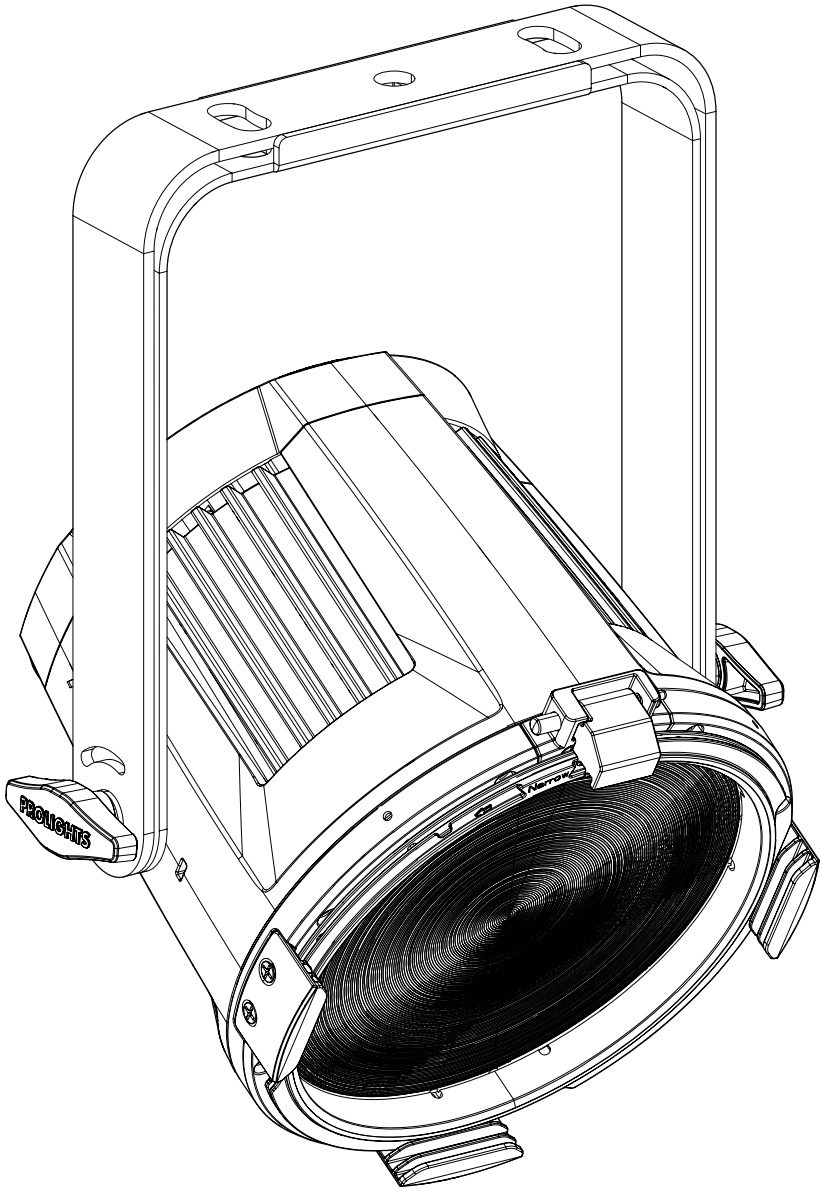


Connect the radio board to the appropriate connector on the master pcb and secure the antenna using an nylon cable tie.
NOTE: Visit https://www.prolights.it/product/ECLPARIPMWK#download for further information.

Fig.17

16 - PERIODICAL CLEANING

WARNING! Turn OFF power and allow approximately 20 minutes for the fixture to cool down.



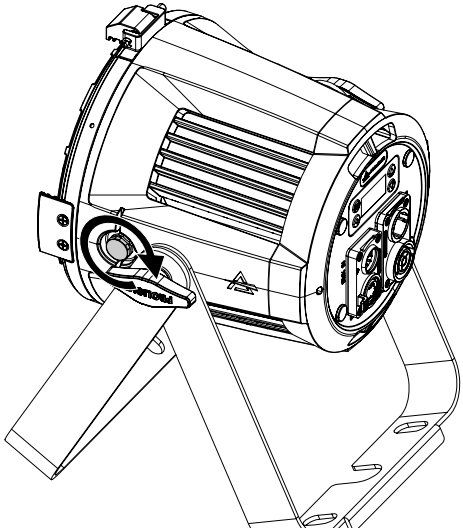
Use a soft cloth dampened with any detergent liquid for cleaning to remove the dirt from the optics.

Fig. 18

17 - TEST OF IP65 RATING

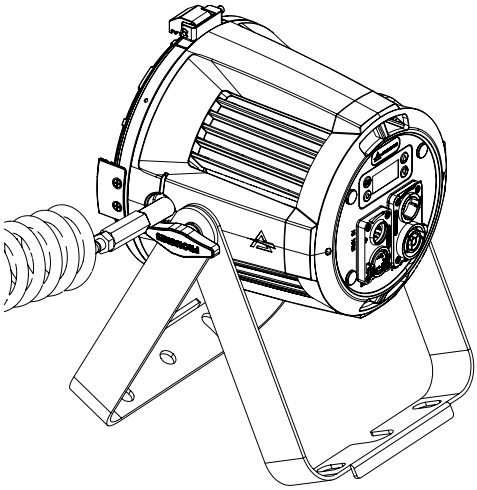
To check sealing after servicing use the IPTESTBOX.

1



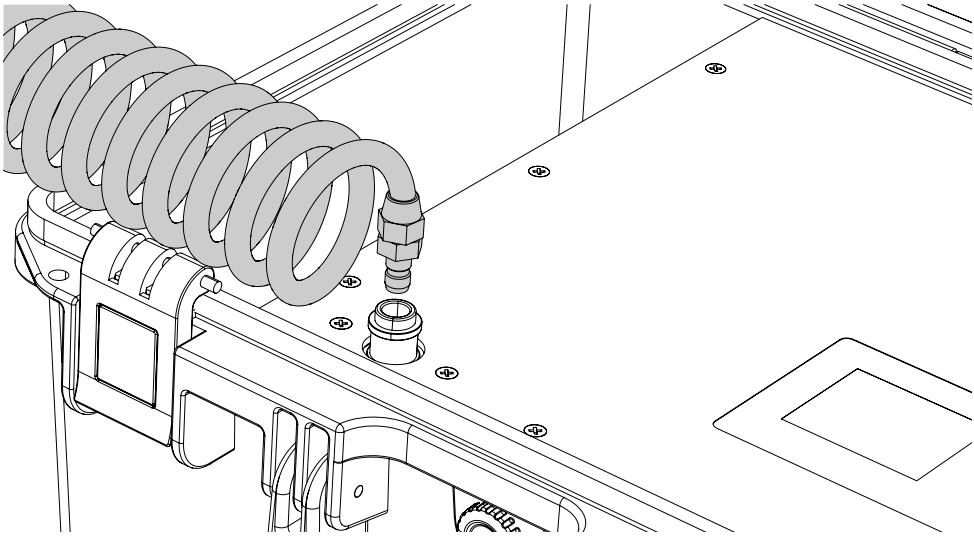
Remove the gore valve from the side of fixture.

2



Insert the threaded end into the threaded valve hole socket.

2



Connect the air hose to the IPTESTBOX by inserting the quick-connect fitting into the coupler.

Fig. 19

18 - MAINTENANCE

MAINTENANCE AND CLEANING THE PRODUCT

WARNING: Disconnect from the mains before starting any maintenance work
It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the light is radiated at maximum brightness.

- For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the part dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might penetrate the unit and cause damage to it.
- The user must clean the product periodically to maintain optimum performance and cooling. The user may also upload firmware (product software) to the fixture via the DMX signal input port or USB port using firmware and instructions from PROLIGHTS.
- The frequency of such maintenance operations is to be performed according to various factors, such as the amount of the use and the condition of the installation environment (air humidity, presence of dust, salinity, etc.). It is recommended that the product is subject to annual service by a qualified technician for special maintenance involving at least the following procedures:
- General cleaning of internal parts.
- For all the parts subject to friction, using lubricants specifically supplied by PROLIGHTS.
- General visual check of the internal components, cabling, mechanical parts, etc.
- Electrical, photometric and functional checks; eventual repairs.
- Cleaning the lenses. Only use neutral soap and water to clean the lenses, then dry it carefully with a soft, non-abrasive cloth.

WARNING: the use of alcohol or any other detergent could damage the lenses.

- All other service operations on the product must be carried out by PROLIGHTS, its approved service agents or trained and qualified personnel.
- It is PROLIGHTS policy to apply the strictest possible calibration procedures and use the best quality materials available to ensure optimum performance and the longest possible component lifetimes. However, optical components are subject to wear and tear over the life of the product, resulting in gradual changes in colours over many thousands of hours of use. The extent of wear and tear depends heavily on operating conditions and environment, so it is impossible to specify precisely whether and to what extent performance will be affected. However, you may eventually need to replace optical components if their characteristics are affected by wear and tear after an extended period of use and if you require fixtures to perform within very precise optical and colour parameters.
- Do not apply filters, lenses or other materials on lenses or other optical components. Use only accessories approved by PROLIGHTS.

REPLACING THE FUSE

WARNING: Before replacing the fuse, unplug the product from the mains.

- Remove the old fuse from the housing with a suitable screwdriver (anticlockwise) and replace it with one of the same type and of the same classification (T8A 250V).

VISUAL CHECK OF PRODUCT HOUSING

- The parts of the product cover/housing should be checked for eventual damages and breaking start at least every two months. In addition, especially the parts of the front lens holder have to be checked mechanically (by means of movement by the part) if it is firmly fastened to the fixture. If hint of a crack is found on some plastic part, do not use the product until the damaged part will be replaced.
- Cracks or another damages of the cover/housing parts can be caused by the product transportation or manipulation and also ageing process may influence materials.
- This checking is necessary for both fixed installations and preparing product for renting. Any free moving parts inside of the product, cracked cover/housing or any part of front lens not sitting properly in place need to be immediately replaced.

TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Product doesn't power ON	• No power to the product	• Check that power is switched ON and cables are plugged in.
	• Fuse blown or internal fault	• Check if the Fuse is intact and eventually replace it if necessary. • Contact the PROLIGHTS Service or authorized service partner. Do not remove parts and/or covers, or carry out any repairs or service that are not described in this Safety and User Manual unless you have both authorization from PROLIGHTS and the service documentation.
Product reset correctly but does not respond correctly to the contoller.	• Bad signal connection	• Inspect connections and cables. Fix eventual bad connections. Repair or replace damaged cables.
	• Signal connection not terminated	• Insert DMX termination plug in signal output socket of the last product on the signal line.
	• Incorrect addressing of the product	• Check the product address and control settings
	• One of the product is defective and is corrupting the signal transmission on the signal line	• Unplug the XLR in and out connectors and connect them directly together to bypass one product at a time until normal operation is regained. Once found the error, have that fixture serviced by a qualified technician.
Timeout error after fixture reset.	• One or more hardware components requires mechanical adjustments	• Check product stored error messages for more information. Contact PROLIGHTS Service or an authorized service partner.
Mechanical effect loses position	• Mechanical hardware require cleaning, adjustment or lubrification	• Check product stored error messages for more information. Contact PROLIGHTS Service or an authorized service partner.
Light output turn OFF Intermittently	• Fixture is too hot	• Check product stored error messages. • Allow product to cool. • Clean the product and airflow filters. • Reduce ambient temperature.
	• Hardware failure (temperature sensor, fans, Light source...)	• Check product stored error messages for more information. Contact. PROLIGHTS Service or an authorized service partner.
General low light intensity	• Dirty lens assembly • Dirty or damaged filters	• Clean the fixture regularly. • Install lens assembly properly.

Contact an authorized service center in case of technical problems or not reported in the table can not be resolved by the procedure given in the table.

Note

Note

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