

Jet PAR7ZIP

7x20W IP65 RGB+WW zoom LED PAR



USER MANUAL

English version

REV.01-04/23 - PRELIMINARY

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



The PROLIGHTS Logo, PROLIGHTS names and all other trademark in this document pertaining to PROLIGHTS services or PROLIGHTS product are trademarks OWNED or licensed by Music & Lights S.r.l., its affiliates, and subsidiaries. PROLIGHTS is a registered trademark by Music & Lights S.r.l. All right reserved. Music & Lights – Via A. Olivetti, snc - 04026 - Minturno (LT) ITALY.

INDEX

SAFETY INFORMATION	02
1 - PACKAGING PACKAGE CONTENT OPTIONAL ACCESSORIES	
2 - TECHNICAL DRAWING	05
3 - INSTALLATION	06
MOUNTING	
4 - CONNECTION TO THE MAINS SUPPLY	07
5 - START UP CONNECT AND DISCONNECT POWER FROM THE PRODUCT	07 07
6 - PRODUCT OVERVIEW	08
7 - DMX CONNECTION	09
CONNECTION OF THE CONTROL SIGNAL: DMX LINE	
INSTRUCTIONS FOR A RELIABLE DMX CONNECTION	
CONNECTION DAISY CHAIN CONNECTION OF THE DMX LINE	
CONSTRUCTION OF THE DMX EINELINE	
DMX ADDRESSING	10
OPERATION AS A WIRELESS TRANSMITTER	
OPERATION AS A WIRELESS RECEIVER CRMX TO DMX (RX)	
8 - CONTROL PANEL DISPLAY AND BUTTONS LAYOUT	12 12
9 - MENU STRUCTURE	13
10 - SHORTCUT	16
11 - RDM FUNCTIONS	17
12 - DMX CHARTS RDM Model ID	20 20
14 - ERROR MESSAGES	28
15 - ACCESSORIES INSTALLATION	29
FILTER FRAME (CODE AJP7ZIPBD - OPTIONAL) BARN DOOR (CODE AJP7ZIPBD - OPTIONAL)	
16 - PERIODICAL CLEANING	31
17 - TEST OF IP65 RATING	32
18 - MAINTENANCE	33
MAINTENANCE AND CLEANING THE PRODUCT	
REPLACING THE FUSE	
VISUAL CHECK OF PRODUCT HOUSING	33
TROUBLESHOOTING	

SAFETY INFORMATION



WARNING!

- See <u>https://www.prolights.it/product/JETPAR7ZIP#download</u> 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.

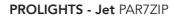
Protection and Warning against electrical shock

- 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.



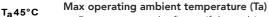
Installation

- 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 loadbearing 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.



(] 0,3 m Minimum distance of illuminated objects

• The projector needs to be positioned so that the objects hit by the beam of light are at least 0,3 meters (0,98 ft) from the lens of the projector.



- Do not operate the fixture if the ambient temperature (Ta) exceeds 45 $^{\circ}\text{C}$ (113 $^{\circ}\text{F}\text{)}.$

Ta-15°C Min

Minimum operating ambient temperature (Ta)
Do not operate the fixture if the ambient temperature (Ta) is below -15 °C (5 °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

Outdoor (temporary) use

- This product is rated with an IP (Ingress protection) for temporary 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_c62°C

Light collimation optical system

• This product contains internal light collimation opticsl system. Avoid to expose the optical system to any intense source of light (including sunlight) from any angle.

Temperature of the external surface

 The surface of the fixture can reach up to 62 °C (143,6 °F) during operation. Avoid contact with people and materials.



Radio receiver

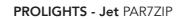
This product contains a radio receiver and/or transmitter:

- Maximum output power: 17 dBm.
- Frequency band: 2.4 GHz.



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 2 according to EN 62471.



Do not stare at the operating light source

- Do not look directly at the LED source during operation. It can be harmful to the eyes and skin.
- During Installation, operation and maintenance, be prepared for the fixture to light and move suddenly when connected to power.
- The device should be positioned so that prolonged staring into the luminaire at adistance closer than TBC m (TBC ft) is not expected.

TBC



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 product contains a lithium ion battery

- Don't throw the unit into the garbage at the end of its lifetime.
- Make sure to dispose according to your local ordinances and/or regulations, to avoid polluting the environment!
- The packaging is recyclable and can be disposed.



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).
- 2014/53/EU Radio Equipment Directive (RED).



Other approvals

1 - PACKAGING

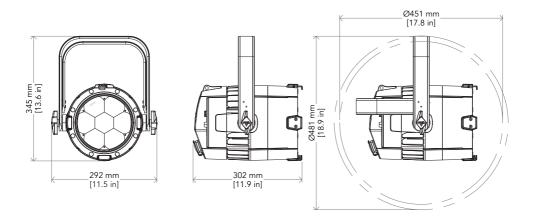
PACKAGE CONTENT

- 1x JETPAR7ZIP.
- 1x 1,5 meters power cable (BARE END SEETRONIC POWERCON TRUE1 IP65).
- User Manual.

OPTIONAL ACCESSORIES

- AJP7ZIPBD: barn door with 8 directional flaps to adjust the light beam, ASTRA / JET PAR7ZIP.
- IPTESTBOX: portable vacuum and pressure tester for ProLights IP fixtures.
- C6002A/B: slim aluminium clamp, 200 kg loading, 48-51 mm tubes, M10 bolt, aluminium / black.
- RSR0670A/B: steel security cable for hanging bodies, inox steel shackle, aluminium / black.
- WSBBF1G5: blackBox F-1 G5 transmitter, 2,45GHz & 5.2/5,8 GHz, DMX/RDM, 512Ch.
- WSBBF1G6: blackBox F-1 G6 transrec, 512ch, 2.45GHz, DMX&RDM,Bluetooth,G3,G4,G4S, G5, CRMX.
- WSBBR512G5: blackBox R-512 G5 receiver 512Ch, 2.45GHz & 5.8GHz, DMX/RDM optional.
- WSBBR512G6: blackBox R-512 G6 receiver 512Ch, 2.45GHz, DMX&RDM, Bluetooth, G3, G4, G4S, G5, CRMX.
- UPBOX2P5: firmware uploader kit, USB IN, 5-pin XLR DMX OUT.

2 - TECHNICAL DRAWING



Weight: 9,3 kg - 20,50 lbs

Fig. 01

3 - INSTALLATION

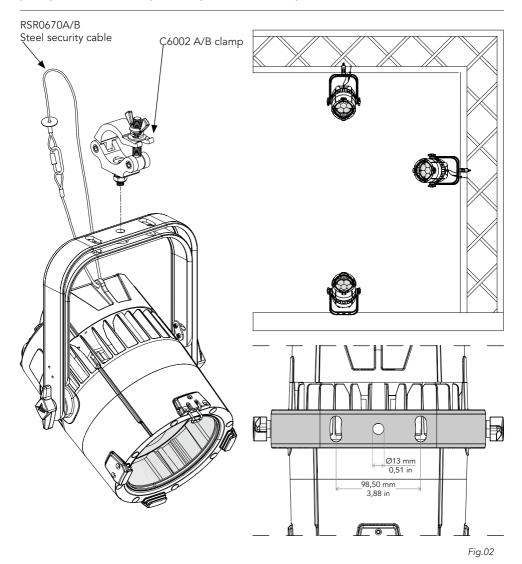
MOUNTING

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.



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 140W.

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

5 - START UP

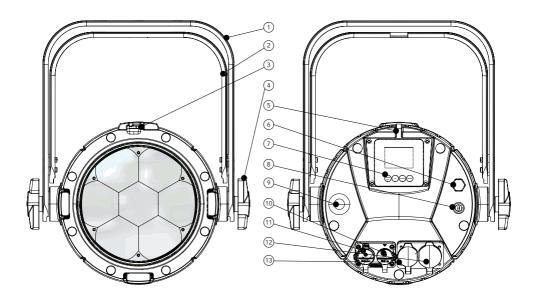
CONNECT AND DISCONNECT POWER FROM THE PRODUCT

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

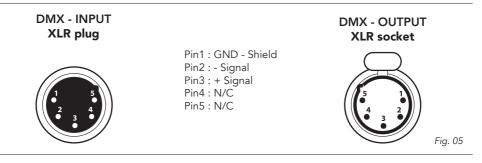
- 1. BRACKET for hanging safe.
- 2. BRACKET for floor positioning.
- 3. HOLDER CLIP for filter frame and barndoor accessory.
- 4. KNOB for bracket.
- 5. SAFETY EYE to attach safety cable.
- 6. GORE VALVE.
- 7. USER INTERFACE with display and buttons for access to the control panel functions.
- MAIN FUSE HOLDER: replace a burnt-out fuse by one of the same type only (3.15A).
 ANTENNA.
- 10.DMX IN (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
- 11.DMX OUT (5-p XLR): 1 = GND, 2 = sign-, 3 = sign+, 4 N/C, 5 N/C.
- 12.POWER OUT: power output for connection of multiple units in series.
- 13.POWER IN: for connection to the Mains 100-240V~/50-60Hz.



7 - DMX CONNECTION

CONNECTION OF THE CONTROL SIGNAL: DMX LINE

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.

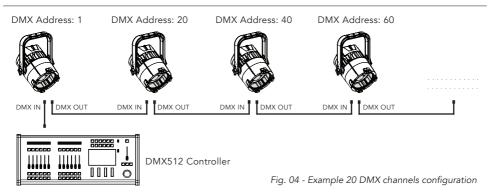
Terminate the data link by connecting a 120 Ohm signal termination. If a splitter is used, terminate each branch of the link.

Install a DMX termination plug on the last fixture on the link.

CONNECTION OF THE DMX LINE

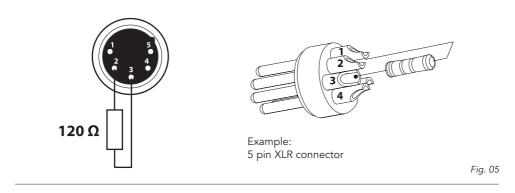
DMX connection employs standard XLR connectors. Use shielded pair-twisted cables with 120Ω impedance and low capacity.

The following diagram shows the connection mode:



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.



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

JETPAR7ZIP can be used as wireless transmitter to transmit DMX signal to different wireless receivers. To use JETPAR7ZIP 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.
- 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.

PROLIGHTS - Jet PAR7ZIP

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 JETPAR7ZIP protocol selected is ArtNet / sACN, the CRMX module will retransmit the DMX values contained in the ArtNet / sACN signal received from the JETPAR7ZIP.

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

JETPAR7ZIP can be used as wireless receiver connected to a wireless transmitter.

- To use JETPAR7ZIP 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.

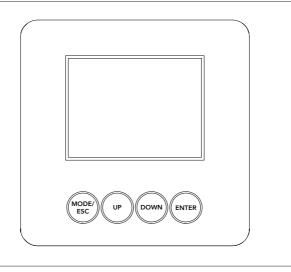


Fig. 06

DISPLAY AND BUTTONS LAYOUT

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

- MODE / ESC: used to access the menu tree or to return a previous menu window.
- UP: browse upwards through the menu list and increases the numeric value displayed.
- DOWN: browse downwards through the menu list and decreases the numeric value displayed.
- ENTER: used to confirm the current menu or confirm the current function value or option within a menu.

9 - MENU STRUCTURE

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

CONNECT	ADDRESS	1 - 512		Set address used for Fixture.
	DMX MODE	UNO		Set DMX chart for Main Fixture.
		DUO		
		BASIC		
		BASIC 16BIT		
		STANDARD		
		EXTENDED		
	WIRELESS	CRMX ON/OFF	ON/OFF	Enable/Disable the wireless card.
		CRMX MODE	TRANSMITTER	
			RECEIVER	
		TX LINK	ON/ OFF	TX link unlock when the unit is set a a transmitter.
		TX UNLINK	ON/ OFF	Disconnect the transmitter from a receivers. TX unlink unlocks only if CRMX mod is on transmitter.
		RX RESET	ON/ OFF	Total reset of the receiver. RX reset unlocks only if CRMX mod is receiver.
		IN TO CRMX (TX)	ON/OFF	Enable/Disable the transmission of the DMX values via wdmx.
		CRMX TO DMX (RX)	ON /OFF	Enable/Disable the retransmission of the DMX from the receiver to the other units connected by cable to the receiver itself.
SET UP	SCREEN	BACKLIGHT	ON/ 105 /20S/30S	Allows you to select the timing afte that display will switch automatical off when unactive.
		FLIP DISPLAY	ON/OFF	Allows you to rotate the display b 180°.
		KEY LOCK	ON/ OFF	Allows you lock the buttons on th control panel by a password. Pres following combinations (password) i order to access to the user menu : UI DOWN, UP, DOWN.
	FIXTURE	FAN MODE	AUTO	Select Fan behaviour.
	SETTINGS		SILENT	
			HIGH	
		SPEKTRA	ON	View the table.
		CALIBRATION	PURE COLORS	
			OFF	
		LED MODE	HIGH QUALITY	Set led operating mode.
			HIGH BRIGHTNESS	
		WHITE POINT	3200K	Select CCT when RGBW@Full.
			4000K	
			5600K	
			6000K	
			8000K	
		DMX FAULT	HOLD	To choose the behaviour of fixture i
			BLACKOUT	case of dmx signal lost.
			STANDALONE	
			EMERGENCY	
	1			Select different curve behaviour of
		DIMMER CURVE	LINEAR S-CURVE	dimmer.
			S-CURVE	

	I	DIMMER	AUTO		Select Dimmer speed.
		SPEED	FAST		Select Diminer speed.
			MEDIUM		
			SLOW		
		LED	600 Hz		Select PWM frequency.
		FREQUENCY	1200 Hz		leereet i tiin nequency.
			2000 Hz		
			4000 Hz		
			6000 Hz		
			10 kHz		
			12 kHz		
			15 kHz		
			20 kHz		
			25 kHz		
			50 kHz		
		TUNGSTEN	ON		To enable/disable Tungsten Emu
		EMULATION	OFF		tion.
		ZOOM MODE	STANDARD		
		LOOMINODE	PIXELS		
		INVERT	ON		Invert zoom values.
		ZOOM	OFF		 invert 200m values.
DVANCED	RESET	ALL	UFF		 To reset functions.
UVANCED	FUNCTIONS	ZOOM			To reset functions.
	CALIBRATION				For the calibration of functions.
		PASSWORD			050 password for user reset
	MANUAL CONTROL				For manual control of the unit.
	CONFIGURA-	PRESET 1	LOAD		
	TION PRESET	PRESET 2	SAVE		
		PRESET 3	SET AS DEFAULT	YES	
		PRESET 4		NO	
	TRANSFER	WITHOUT			To transfer the same menu settin
	CONFIGURA-	DMX			of one fixtures to all the other in t
	TION	ADDRESS			 daisy chain, including or not the dr
		WITH DMX			address. Transfer configuration al works via WDMX.
	RELOAD	ADDRESS	VEC		
	DEFAULT	BASIC RELOAD	YES		 050 password for user reset.
	DEIMOEI		NO		
		PRESET RELOAD	YES		
			NO		
		FACTORY RELOAD	YES		
		(Password 050)	NO		
NFORMA-	FIXTURE TIME	FIXTURE	TOTAL	(READ)	To check the total working hours of
TIONS		HOURS	PARTIAL	(READ AND	the unit.
		CURRENT	TOTAL	RESET) (READ AND	To check the current working hou
		HOURS	TOTAL	(READ AND RESET)	of the unit.
		1100110	PARTIAL	(READ AND	
				RESET)	
		SOURCE	TOTAL	(READ)	To see the total operating hours
		HOURS	PARTIAL	(READ AND RESET)	the LED source.
		POWER ON	TOTAL	(READ)	To soo the newer sucles of the m
		CYCLE	PARTIAL	(READ)	To see the power cycles of the m chine.
			PARHAL	(READ AND RESET)	
		MAINTENAN-	ELAPSED TIME	(READ AND	To choose and reset unit main
		CETIME			nance warning hours.
		CE TIME	ALERT PERIOD	(READ AND RESET) 10 – 750	nance warning hours.

	TEMPERA- TURE	NEAR SOUR- CE TEMP, DRIVER PCB TEMP, LED PCB TEMP,				To see the unit temperature.
	FAN SPEED	NEAR SOUR- CE FAN, BASE FAN,				To see the speed of the fans.
	WIRELESS QUALITY					To see the wireless quality
	CHANNEL VALUE					To see the dmx value of those chan- nels.
	ERROR MESSAGE					To see any error messages
	FIXTURE MODEL	JETPAR7ZIP				View informations about fixture model
	RDM UID	(READ, RESET AND EDIT)				View ID for the RDM control
	SOFTWARE VERSION	1U01 V1.1.00.0				View informations about software version.
STAND ALONE	MASTER/ SLAVE	MASTER DMX MASTER NO				Allow you to link and operating in synk multiple units without a DMX
		DMX				console. Choose a unit to perform as the Master. Master No DMX: fixture is
		SLAVE				not broadcasting signal
	EFFECTS	EFFECT 1 - 5	DIMMER STROBE	<1-100>		Effects modes allows creation and editing of 5 effects maximum.
			COLOR 1	SWITCH	ON	Each effect contains up to 20 colors,
					OFF	a Main Dimmer and a Main Strobe.
				DIMMER		COLOR section: SWITCH is used to toggle On/Off the
				STROBE HOLD TIME	0 - 360s	color in the sequence.
					(Step by 0.5s)	DIMMER is used to individually DIM the selected color.
				FADE IN TIME	0 - 60s (Step by 0.5s)	STROBE is used to individually STROBE the selected color.
				FADE OUT TIME	0 - 60s (Step by 0.5s)	HOLD TIME defines how long the co- lor is hold on the output. FADE IN/OUT TIME defines the ti- mings of fading in/out.
						The effects can be considered as CHASE, once last color has finished playing the sequence will start again
				COLOR MACRO	Show list of STATIC mode	List of Color Macro like per Static Mode.
				WHITE PRESETS	Show list of STATIC mode	List of White Presets like per Static Mode.
				MANUAL COLORS	Show list of STATIC mode	List of Manual Colors like per Static Mode.
			 COLOR 20		ON	
			COLOR 20	SWITCH	OFF	
				DIMMER		
				STROBE	0.0/0	
				HOLD TIME	0 - 360s (Step by 0.5s)	
				FADE IN TIME	0 - 60s (Step by 0.5s)	
				FADE OUT	0 - 60s	
				TIME COLOR	(Step by 0.5s) Show list of	
				MACRO	STATIC mode	
				WHITE PRESETS	Show list of STATIC mode	
				MANUAL	Show list of	
				COLORS	STATIC mode	<u> </u>

STATIC	COLOR MACRO	Check Color Macro channel on DMX Charts	Dimmer <000- 255 >		
	WHITE PRESETS	2700K 2800K 3200K 3500K 4000K 4500K 5600K 6000K 6500K	Dimmer <000- 255 > G/M Point <-025-025>		
		7000K 8000K 9000K 10000K			
	MANUAL	RED	<000-255>		
	COLORS	GREEN	<000-255>		
		BLUE	<000-255>		
		WHITE	<000-255>		

10 - SHORTCUT

Keys	Mode	Description
UP + DOWN after power on	Flip Display	Directly flip display without enter inside menu.
DOWN then power on	Reset without pan/tilt movements	Fixture will be powered on without reset on pan/ tilt movements.
ENTER + UP then power on	Bootloader	Force firmware upgrade.

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	PID	GET	SET
Product	DEVICE_INFO	0x0060	х	
Information	PRODUCT_DETAIL_ID_LIST	0x0070	х	
	DEVICE_MODEL_DESCRIPTION	0x0080	х	
	MANUFACTURER_LABEL	0x0081	х	
	DEVICE_LABEL	0x0082	х	x
	FACTORY_DEFAULTS	0x0090	х	x
	SOFTWARE_VERSION_LABEL	0x00C0	х	
	BOOT_SOFTWARE_VERSION_ID	0x00C1	х	
	BOOT_SOFTWARE_VERSION_LABEL	0x00C2	х	
DMX512	DMX_PERSONALITY	0x00E0	х	x
Setup	DMX_PERSONALITY_DESCRIPTION	0x00E1	х	
	DMX_START_ADDRESS	0x00F0	х	x
	SLOT_INFO	0x0120	х	
	SLOT_DESCRIPTION	0x0121	х	
	DEFAULT_SLOT_VALUE	0x0122	х	
	DMX_BLOCK_ADDRESS (Support required if device uses aDMX512 Slot)	0x0140	х	x
	DMX_FAIL_MODE	0x0141	х	х
	DMX_STARTUP_MODE	0x0142	х	x
Dimmer	DIMMER_INFO	0x0340	х	
Settings	MINIMUM_LEVEL	0x0341	х	x
	MAXIMUM_LEVEL	0x0342	х	x
	CURVE	0x0343	х	x
	CURVE_DESCRIPTION	0x0344	х	x
	OUTPUT_RESPONSE_TIME	0x0345	х	х
	OUTPUT_RESPONSE_TIME_ DESCRIPTION	0x0346	х	
	MODULATION_FREQUENCY	0x0347	х	х
	MODULATION_FREQUENCY_DESCRIPTION	0x0348	х	

Categor	y		Pa	aramet	ter			PID	GET	SET	
Sensors		SENSOR_C	EFINITIC	N				0x0200	х		
		SENSOR_V	ALUE					0x0201	х	x	
		RECORD_S	Sensors		0x0202		х				
		BURN_IN						0x0440	х	х	
Power/Lam	р	DEVICE_H	OURS					0x0400	x	х	
Settings		LAMP_HO	JRS					0x0401	х	х	
		LAMP_STR	IKES					0x0402	х	х	
		LAMP_STA	TE					0x0403	х	х	
		LAMP_ON	_MODE					0x0404	х	х	
		DEVICE_PO	OWER_CY	CLES				0x0405	х	х	
Display		DISPLAY_I	VERT					0x0500	x	х	
Settings		DISPLAY_L	EVEL					0x0501	х	х	
Configurati	ion	LOCK_PIN						0x0640	х	х	
		LOCK_STA	TE					0x0641	х	х	
		LOCK_STA	TE_DESC	RIPTIC	N			0x0642	х		
Control		IDENTIFY_	DEVICE					0x1000	x	х	
		RESET_DE	VICE					0x1001		х	
		POWER_ST	WER_STATE 0x1010 x						х		
		PERFORM	SELFTES	Т				0x1020	х	х	
		SELF_TEST	_DESCRI	PTION				0x1021	x		
		CAPTURE_	PRESET					0x1030	x	х	
		PRESET_PL	AYBACK					0x1031	х	х	
		IDENTIFY_	MODE					0x1040	х	х	
		PRESET_IN	IFO					0x1041	х		
		PRESET_ST	ATUS					0x1042	х	х	
	1	POWER_O	N_SELF_1	TEST				0x1044	х	х	
Category	Р	arameter	PID	GET	SET	Value	Descr	iption		Default Value	
Manufac- turer PIDs		K. ENGINE DR. (1-512)	0x0200	x		0-512	Engine 0: Foll	MX Address e ow Fixture Manual DM	0		
	MC	K. ENGINE DDE (0:Off Ring 2:Pixel)	0x0201	x	x	0-2	Set DI 0:Off 1:Ring 2:Pixe	Ring			
	DN	IX FAULT	0x0202		x	0-3	2: STA	LD ACKOUT IND ALONE ERGENCY		0	
		ASTER/ AVE	0x0440	x	x	0-2		STER DMX STER NO DN VE	ЛХ	2	

Category	Parameter	PID	GET	SET	Value	Description	Default Value
	ST. AL. MODE	0x0400	x	x	0-3	0:Stand Alone Effects 1:Stand Alone Static Color Macro 2:Stand Alone Static White Presets 3:Stand Alone Static Manual Colors"	2
	EFFECT Selector	0x0401	x	x	1-5		5
	COLOR MACROS	0x0402	x	x	0-66		0
	WHITE PRESETS	0x0403	x	x	0-16		2
	MANUAL RED	0x0404	x	x	0-255		255
	MANUAL GREEN	0x0405	x	x	0-255		255
	MANUAL BLUE	0x0500	x	x	0-255		255
	MANUAL WHITE	0x0501	x	x	0-255		255
	SPEKTRA	0x0640	x	x	0 - 2	0: ON 1: PURE COLORS 2: OFF	1
	LED MODE	0x0641	x	x	0-1	0:HQ 1:HB	0
	WHITE POINT	0x0642	x		0-4	0: 3200K 1: 4000K 2: 5600K 3: 6000K 4: 8000K	3
	TUNGSTEN EMULATION	0x1000	x	x	0-1	0:OFF 1:ON	0
	ERROR MESSAGES	0x1001	x		0-2	0:No Error 1:Temperature Too High 2:LED sensor damaged(open or in short circuit)	0

12 - DMX CHARTS

RDM Model ID	RDM Fixture ID	NAME	FOOTPRINT
0xA029	1	UNO	1CH
UXAUZ9	2	DUO	2CH
	3	BASIC	6CH
	4	BASIC 16BIT	11CH
	5	STANDARD	14CH
	6	EXTENDED	20CH

	e Engine	Fixtur				
			Fixture			
Parameter	Extended	Standard	Basic 16Bit	Basic	Duo	Uno
Dimmer	1	1	1	1	1	1
Dimmer Fine	2	2	2	-	2	-
ССТ	3	3	-	-	-	-
CCT Fine	4	-	-	-	-	-
G/M Point	5	4	-	-	-	-
Crossfade from CCT to Color	6	5	-	-	-	-
Red	7	6	3	2	-	-
Red Fine	8	-	4	-	-	-
Green	9	7	5	3	-	-
Green Fine	10	-	6	-	-	-
Blue	11	8	7	4	-	-
Blue Fine	12	-	8	-	-	-
White	13	9	9	5	-	-
White Fine	14	-	10	-	-	-
Color Macro	15	10	-	-	-	-
CTO on colors	16	-	-	-	-	-
Shutter / Strobe	17	11	-	-	-	-
Zoom	18	12	11	6	-	-
Zoom Fine	19	13	12	-	-	-
Control	20	14	_	-	-	-

Dimmer								
E sultas	8 bit	value	16 bit	value	Nista			
Function	From	То	From	То	Note			
Dimmer	0	255	0	65535	Default @ 0			

	ССТ						
Function		8 bit	value	16 bit	t value	Note	
CCT From	CCT To	From	То	From	То	Note	
2800	2900	0	4	0	910	Default @ 0	
2900	3000	4	7	910	1820		
3000	3100	7	11	1820	2731		
3100	3200	11	14	2731	3641		
3200	3300	14	18	3641	4551		
3300	3400	18	21	4551	5461		
3400	3500	21	25	5461	6371		
3500	3600	25	28	6371	7282		
3600	3700	28	32	7282	8192		
3700	3800	32	35	8192	9102		
3800	3900	35	39	9102	10012		
3900	4000	39	43	10012	10923		
4000	4100	43	46	10923	11833		
4100	4200	46	50	11833	12743		
4200	4300	50	53	12743	13653		
4300	4400	53	57	13653	14563		
4400	4500	57	60	14563	15474		
4500	4600	60	64	15474	16384		
4600	4700	64	67	16384	17294		
4700	4800	67	71	17294	18204		
4800	4900	71	74	18204	19114		
4900	5000	74	78	19114	20025		
5000	5100	78	81	20025	20935		
5100	5200	81	85	20935	21845		
5200	5300	85	89	21845	22755		
5300	5400	89	92	22755	23665		
5400	5500	92	96	23665	24576		
5500	5600	96	99	24576	25486		
5600	5700	99	103	25486	26396		
5700	5800	103	106	26396	27306	_	
5800	5900	106	110	27306	28216		
5900	6000	110	113	28216	29127		
6000	6100	113	117	29127	30037		
6100	6200	117	120	30037	30947		
6200	6300	120	124	30947	31857		
6300	6400	124	128	31857	32768		
6400	6500	128	131	32768	33678		
6500	6600	131	135	33678	34588		
6600	6700	135	138	34588	35498		
6700	6800	138	142	35498	36408		
6800	6900	142	145	36408	37319		

ССТ							
Function		8 bit	value	16 bit	value	Nutu	
CCT From	CCT To	From	То	From	То	Note	
6900	7000	145	149	37319	38229		
7000	7100	149	152	38229	39139		
7100	7200	152	156	39139	40049		
7200	7300	156	159	40049	40959		
7300	7400	159	163	40959	41870		
7400	7500	163	166	41870	42780		
7500	7600	166	170	42780	43690		
7600	7700	170	174	43690	44600		
7700	7800	174	177	44600	45510		
7800	7900	177	181	45510	46421		
7900	8000	181	184	46421	47331		
8000	8100	184	188	47331	48241		
8100	8200	188	191	48241	49151		
8200	8300	191	195	49151	50061		
8300	8400	195	198	50061	50972		
8400	8500	198	202	50972	51882		
8500	8600	202	205	51882	52792		
8600	8700	205	209	52792	53702		
8700	8800	209	213	53702	54613		
8800	8900	213	216	54613	55523		
8900	9000	216	220	55523	56433		
9000	9100	220	223	56433	57343		
9100	9200	223	227	57343	58253		
9200	9300	227	230	58253	59164		
9300	9400	230	234	59164	60074		
9400	9500	234	237	60074	60984		
9500	9600	237	241	60984	61894		
9600	9700	241	244	61894	62804		
9700	9800	244	248	62804	63715		
9800	9900	248	251	63715	64625		
9900	10000	251	255	64625	65535		

Tint									
E	8 bit	value	N						
Function	From	То	From	То	Note				
-25% to 0	0	127	-	-	Default @ 128				
Neutral	128	128	-	-	Linear tint correction				
0 to 25%	129	255	-	-	from -0.25 to +0.25				

Crossfade from CCT to Color									
–	value	NI .							
Function	From	То	From	То	Note				
Linear Crossfade	0	255	0	65535	Default @ 255 / 65535				

PROLIGHTS - Jet PAR7ZIP

	Red									
E	8 bit	value	16 bit	value	NI .					
Function	From	То	From	То	Note					
0 - 100%	0	255	0	65535	Default @ 255 / 65535					

	Green									
E	8 bit	value	16 bit	value	N					
Function	From	То	From	То	Note					
0 - 100%	0	255	0	65535	Default @ 255 / 65535					

	Blue									
E	8 bit	value	16 bit	value	NI .					
Function	From	То	From	То	Note					
0 - 100%	0	255	0	65535	Default @ 255 / 65535					

	White									
E	8 bit	value	16 bit	value	NI .					
Function	From	То	From	То	Note					
0 - 100%	0	255	0	65535	Default @ 255 / 65535					

Strobe									
Function	8 bit	value	16 bit	value	NI .				
Function	From	То	From	То	Note				
Open	0	1	-	-	Default @ 255				
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	-	-					

	Color Macro									
Europetic m	8 bit	value	16 bit	Nista						
Function	From	То	From	То	Note					
No Function	0	1	-	-	Default @ 0					
Red	2	3	-	-						
Green	4	5	-	-						
Blue	6	7	-	-						
Cyan	8	9	-	-						
Magenta	10	11	-	-						
Yellow	12	13	-	-						

Function	8 bit value		16 bit	value	Nete
Function	From	То	From	То	Note
Dirty White	14	15	-	-	
Alice Bllue	16	17	-	-	
Congo Blue	18	19	-	-	
Dark Steel Blue	20	21	-	-	
Deep Lavender	22	23	-	-	
Lilac Ting	24	25	-	-	
Daylight Blue	26	27	-	-	
Flame Red	28	29	-	-	
Bastard Amber	30	31	-	-	
Deep Orange	32	33	-	-	
Pale Gold	34	35	-	-	
Apricot	36	37	-	-	
Bright Blue	38	39	_	-	
Primary Green	40	41	_	-	
Special Lavender	42	43	-	-	
Pale Lavender	44	45	-	-	
Deep Golden Amber	46	47	-	-	
Medium Blue	48	49	-	_	
Bright Pink	50	51	-	_	
Mauve	52	53	_	_	
Dark Green	54	55	_	-	
Lee Green	56	57	_	-	
Dark Blue	58	59	_	-	
Light Blue	60	61	_	-	
Steel Blue	62	63	_	-	
Medium Blue-Green	64	65	_	-	
Peacock Blue	66	67	_	-	
Magenta	68	69	_	_	
Dark Pink	70	71	_	_	
Middle Rose	72	73		-	
Light Salmon	74	75		_	
English Rose	76	77			
Light Rose	78	79	_		
Orange	80	81	_		
Deep Amber	82	83	-	-	
Straw	84	85	-	-	
Light Amber	86	87	-	-	
	88	89	-		
Spring Yellow Dark Yellow Green	90	91	-	-	
		91	-	-	
Just Blue	92		-	-	
Sky Blue	94	95	-	-	
Lavender	96	97	-		
Light Lavender	98	99	-	-	
Pink Carnation	100	101	-	-	
Medium Pink	102	103	-	-	
Light Pink	104	105	-	-	

Color Macro					
Function	8 bit	8 bit value		16 bit value	
Function	From	То	From	То	Note
Sunset Red	106	107	-	-	
Dark Amber	108	109	-	-	
Gold Amber	110	111	-	-	
Medium Amber	112	113	-	-	
Fire	114	115	-	-	
Surprise Peach	116	117	-	-	
Straw Tint	118	119	-	-	
Medium Yellow	120	121	-	-	
Lee Minus Green	122	123	-	-	
Pale Gold	124	125	-	-	
Orange	126	127	-	-	
Deep Straw	128	129	-	-	
Rose Purple	130	131	-	-	
Deep Purple	132	133	-	-	
Soft Green	134	135	-	-	
Reserved for future use	136	211	-	-	
2800K	212	213	-	-	
3000K	214	215	-	-	
3200K	216	217	-	-	
3400K	218	219	-	-	
3600K	220	221	-	-	
3800K	222	223	-	-	
4000K	224	225	-	-	
4200K	226	227	-	-	
4400K	228	229	-	-	
4600K	230	231	-	-	
4800K	232	233	-	-	
5000K	234	235	-	-	
5200K	236	237	-	-	
5400K	238	239	-	-	
5600K	240	241	-	-	
6000K	242	243	-	-	
6500K	244	245	-	-	
7000K	246	247	-	-	
8000K	248	249	-	-	
9000K	250	251	-	-	
10000K	252	253	-	-	
FULL ON	254	255	-	-	

CTO On Colors					
–	8 bit value			value	N
Function	From	То	From	То	Note
0 - 100%	0	255	-	-	Default @ 0

Control Channel					
F		value		t value	N
Function	From	То	From	То	Note
No Function/Safe	0	1	-	-	Default @ 0
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	-	-	
FLIP DISPLAY OFF	12	13	-	-	
KEY LOCK ON	14	15	-	-	
KEY LOCK OFF	16	17	-	-	
FAN MODE AUTO	18	19	-	-	
FAN MODE SILENT	20	21	-	-	
FAN MODE HIGH	22	23	-	-	
SPEKTRA CALIB. ON	24	25	-	-	
SPEKTRA CALIB. PURE COLORS	26	27	-	-	
SPEKTRA CALIB. OFF	28	29	-	-	
LED MODE HIGH QUALITY	30	31	-	-	
LED MODE HIGH BRIGHTNESS	32	33	-	-	
WHITE POINT 3200K	34	35	-	-	
WHITE POINT 4000K	36	37	-	-	
WHITE POINT 5600K	38	39	-	-	
WHITE POINT 6000K	40	41	-	-	
WHITE POINT 8000K	42	43	-	-	
DMX FAULT HOLD	44	45	-	-	
DMX FAULT BLACKOUT	46	47	-	-	
DMX FAULT STANDALONE	48	49	-	-	
DMX FAULT EMERGENCY	50	51	-	-	
DIMMER CURVE LINEAR	52	53	-	-	
DIMMER CURVE S-CURVE	54	55	-	-	
DIMMER CURVE SQUARE LAW	56	57	-	-	
DIMMER CURVE INV. SQUARE LAW	58	59	-	-	
DIMMER SPEED AUTO	60	61	-	-	
DIMMER SPEED FAST	62	63	-	-	
DIMMER SPEED MEDIUM	64	65	-	-	
DIMMER SPEED SLOW	66	67	-	-	
LED FREQUENCY 600HZ	68	69	-	-	
LED FREQUENCY 1200HZ	70	71	-	-	
LED FREQUENCY 2000HZ	72	73	-	-	
LED FREQUENCY 4000HZ	74	75	-	-	
LED FREQUENCY 6000HZ	76	77	-	-	
LED FREQUENCY 10KHZ	78	79	-	-	
LED FREQUENCY 12KHZ	80	81	-	-	
LED FREQUENCY 15KHZ	82	83	-	-	
LED FREQUENCY 20KHZ	84	85	-	-	
LED FREQUENCY 25KHZ	86	87	-	-	
LED FREQUENCY 50KHZ	88	89	-	-]

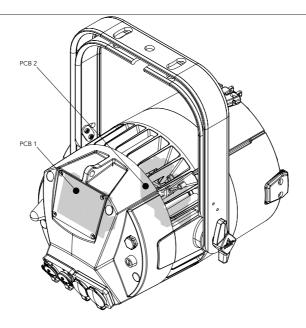
Control Channel					
E	8 bit value		16 bit value		
Function	From	То	From	То	Note
TUNGSTEN EMULATION ON	90	91	-	-	
TUNGSTEN EMULATION OFF	92	93	-	-	
ZOOM MODE STANDARD	94	95	-	-	
ZOOM MODE PIXELS	96	97	-	-	
INVERT ZOOM OFF	98	99	-	-	
INVERT ZOOM ON	100	101	-	-	
Reserved	102	103	-	-	
Reserved	104	105	-	-	
Reserved	106	107	-	-	
Reserved	108	109	-	-	
Reserved	110	111	-	-	
Reserved	112	113	-	-	
Reserved	114	115	-	-	
Reserved	116	117	-	-	
Reserved	118	119	-	-	
Reserved	120	121	-	-	
Reserved	122	123	-	-	
Reserved	124	125	-	-	
Reserved	126	127	-	-	
Reserved	128	129	-	-	
Reserved	130	131	-	-	
Reserved	132	133	-	-	
Reload using Configuraiton Preset 1	242	243	-	-	(No change on DMX Address / Mode)
Reload using Configuraiton Preset 2	244	245	-	-	(No change on DMX Address / Mode)
Reload using Configuraiton Preset 3	246	247	-	-	(No change on DMX Address / Mode)
Reload using Configuraiton Preset 4	248	249	-	-	(No change on DMX Address / Mode)
Basic Reload	250	251	-	-	(No change on DMX Address / Mode)
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).

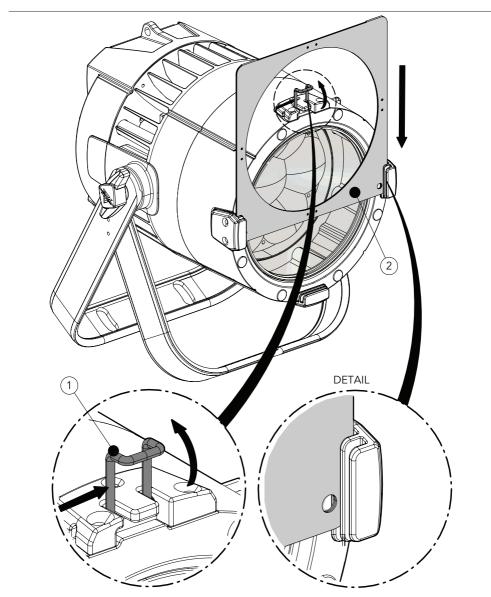
Below you can see the location of the various pcb boards.

Errror showed On screen	Possible causes	Possible PCB with anomaly
[DISPLAY BATTERY	Recharge The battery on the display board, keeping the product ON for some hours.	411
ERROR]	If the error still occurrs, the battery is faulty . Replace the battery on the display board.	1U
[BASE FAN ERROR]	One of the blowers for cooling the base failed	10
[DMX ACTIVE] [MAINTENANCE TIME]		1U
[LED FAN ERROR]	One of the blowers for cooling the lamp failed, the lamp has been switched OFF.	2U
[DRIVER/LED PCB ERROR]	Led driver pcb not detecteld	2U
[ZOOM ERROR]	Failure detected during the reset of the ZOOM system, if the zoom lens is not located in its default position.	2U
[LED DRIVER TEMPERA- TURE ERROR]	This error message indicates that an overheating in the head has occurred and the lamp has been switched OFF by the product protection system.	2U
[LED PCB ERROR]	LED PCB not detected during reset	2U



15 - ACCESSORIES INSTALLATION

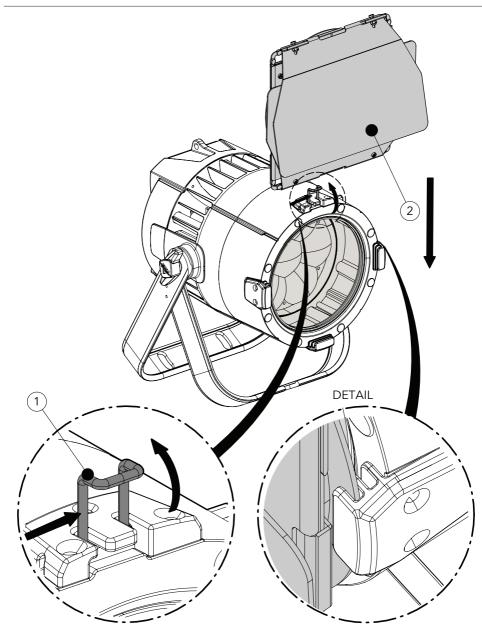
FILTER FRAME (CODE AJP7ZIPBD - OPTIONAL)



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. 09

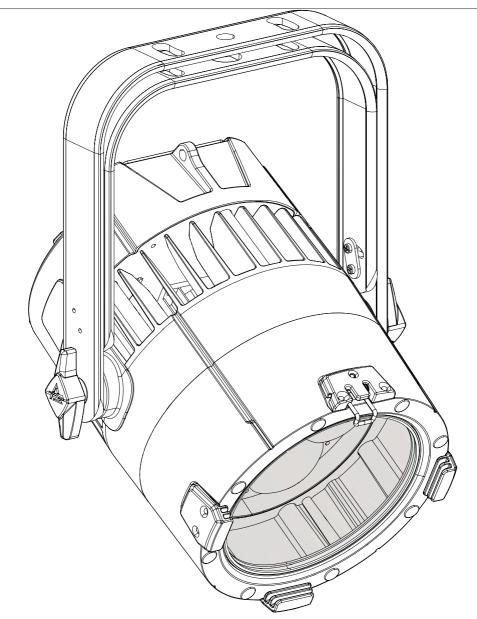


Lift the pin (1) upwards. Insert the barn door (2) into the gel frame lock (DETAIL) and close down the snap.

NOTE: To remove the accessory, reverse the procedure.

16 - PERIODICAL CLEANING

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

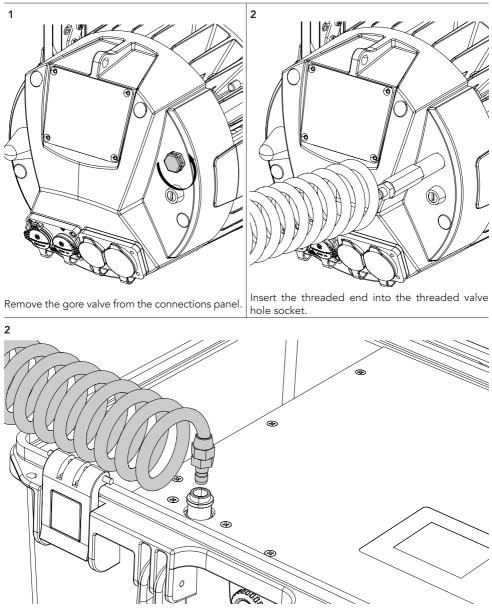


Use a soft cloth dampened with any detergent liquid for cleaning to remove the dirt from the optics. Fig. 11 Fig. 11

PROLIGHTS - Jet PAR7ZIP

17 - TEST OF IP65 RATING

To check sealing after servicing use the IPTESTBOX.



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

Fig. 12

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 (3.15A).

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	Bad signal connection	 Inspect connections and cables. Fix eventual bad connections. Repair or replace damaged cables.
to the contoller.	• 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 corrupt- ing the signal transmis- sion 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, adjust- ment 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 (tem- perature 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 assemblyDirty 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.

PROLIGHTS is a trademark of MUSIC & LIGHTS S.r.l. musiclights.it

Via A.Olivetti snc 04026 - Minturno (LT) ITALY Tel: +39 0771 72190 **prolights.it** support@prolights.it