

PULSE



6 LENS MULTIBEAM + FX LED LIGHT EFFECT

Model: V◎RTICES

Please read these instructions carefully before use and retain for future reference.

IMPORTANT SAFETY INFORMATION

- When using electrical appliances basic safety precautions should always be followed.
- Check the product before use for any damage. Should you notice any damage on the cable or casing, do not use.
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the product to the mains power supply.
- Keep this product away from rain and moisture.
- For indoor use only.

Caution: Never look directly into the light source.

- Always disconnect from the mains when the product is not in use or before cleaning.
- Do not operate or store in an environment of high humidity or where moisture may enter the product as this can reduce insulation and lead to electric shock.

Safety Information for Installation and Operation

- When installing, make sure that the product is not exposed to extreme heat, moisture or dust.
- If you're using a smoke machine, make sure that the product is never exposed to the direct smoke jet and is installed at least 0.5m away.
- The ambient temperature must always be between -5°C and 45°C. Keep away from air-conditioning units and heaters.
- The relative humidity must not exceed 50% with an ambient temperature of 45°C.
- This product must only be operated in an altitude between -20 and 2000m above sea level.
- The minimum distance between the light-output and the illuminated surface must be more than 0.5m.
- This device is allowed to be installed via a mounting bracket. In order to have sufficient ventilation, leave 50cm of free space around the device.
- The housing must not touch any surrounding surfaces or objects.
- Operate the product only after having familiarised yourself with its functions. Do not allow operation by persons unqualified.
- A secondary means of suspension must be provided, such that in the event of a failure of the primary suspension, no part of the luminaire can fall.
- The operator must make sure that safety related matters are observed and that the installation is approved by a qualified installer before taking into operation for the first time.

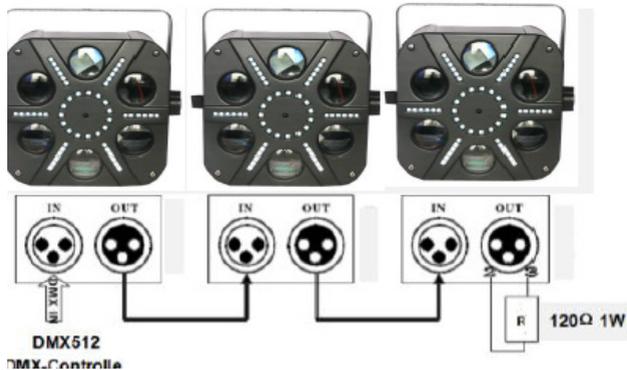
CONNECTION CABLES

- DMX-512 connection / connection between fixture.
- 3-pin XLR plugs connect the controller with the fixture or one fixture with another. Screened twisted pair cable should be used.

DMX Input		DMX Output	
XLR mounting - socket XLR		XLR mounting - socket	
	1. Ground		1. Ground
	2. Signal (-)		2. Signal (-)
	3. Signal (+)		3. Signal (+)

BUILDING A SERIAL DMX CHAIN

- Note: the DMX-output of the first fixture in the DMX chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.
- Maximum recommended serial data link distance: 500m (1640ft).
- Caution: At the last fixture, the DMX-cable has to be terminated with the terminator. Solder a 120Ω resistor between Signal (-) and Signal (+) into a 3-pin XLR plug and plug it into the DMX output of the last fixture.



DMX MASTER-SLAVE MODE

- If you are using a controller with this fixture, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX chain. If you wish to connect a DMX-controller using other XLR socket types you need to use an adaptor cable.

DMX CONTROLLER MODE

- Other LED lights operating as slaves will work synchronously when connected in a chain using DMX cables.



- Use the **MENU** button to cycle through the functions (see table below).
- Use the **UP** and **DOWN** buttons to set the values for the brightness/speed of the lights. Or in DMX controller mode, use **UP** and **DOWN** to give the light an address.
- Use the **ENTER** button to save the changes.

LED Display			
Manual	Set	Instruction	
<i>Addr</i>	<i>ADD 1→A509</i>	DMX509 address code selection (3CH address code is the highest 507, 17CH address code is the highest 495)	
<i>Chan</i>	<i>3Ch</i>	3 Channel mode	
	<i>17Ch</i>	17 Channel mode	
<i>MSL</i>	<i>MSL</i>	Master Mode	
	<i>SLAV</i>	Slave Mode	
<i>Show</i>	<i>SH-</i>	<i>RU 0</i>	Random effects
		<i>RU 1</i>	Effect 1
		↓ <i>RU 16</i>	Effect 16
		<i>oFF</i>	Standby Mode
	<i>SPEd</i>	<i>SP 1→SP 8</i>	Mode slow to fast
<i>Sound</i>	<i>on</i>		Sound control on
	<i>oFF</i>		Sound control off
<i>SENS</i>	<i>... 1→100</i>		Sound sensitivity
<i>LED</i>	<i>on</i>		LED on
	<i>oFF</i>		LED off
<i>di SP</i>	<i>ds 1P</i>		Display screen normal/inverted
<i>test</i>	<i>test</i>		Test mode
<i>ver</i>	<i>v-0 1</i>		Version

OPERATION MODES

- There are three operation modes

Master/slave built-in program.

- Connect the lights in series, the first light control the other lights as auto show, sound control show etc.
- The first light must be set as master.
- Choose random show or effect 1 to 16.
- If there are no DMX signals, the master mode LED will light up, the sound control LED will strobe according to the music, the other lights will not work in slave mode.
- For a two light show choose *SL 1* or *SL 2* mode when connected using a DMX cable, then the slave LED will light up.
- For the slave light, *SL 1* operates the same as the master light, *SL 2* displays opposed to the master light.

Remote control

- The remote control has a range of approximately 10 metres in line of sight of the sensor which is in the centre of the front of the light unit.

Remote Control Functions		
		Mode <i>Show</i> and <i>Sound</i>
		Strobe on/off
		No function
		No function
		No function
		No function
		SP +
		Dimmer - 0-255
		Dimmer+ 0-255
	0-9	Show Mode

DMX Controller

- If controlled by a DMX controller, you need to set the DMX address code to control the light, the address code value is between 1-509, then the light will receive the signal accordingly.
- Press MENU button and select Address menu, press ENTER button and the address LED will strobe.
- Use Δ/∇ to select DMX512 address (default is 001).
- After setting DMX address, press ENTER button.

DMX MODE

3 Channel Mode			
Channel	Value	Function	Output
CH1	000-005	No function	SMD Show effect
	006-020	Mode 1	
	021-035	Mode 2	
	036-050	Mode 3	
	051-065	Mode 4	
	066-080	Mode 5	
	081-095	Mode 6	
	096-110	Mode 7	
	111-125	Mode 8	
	126-140	Mode 9	
	141-155	Mode 10	
	156-170	Mode 11	
	171-185	Mode 12	
	186-200	Mode 13	
	201-215	Mode 14	
	216-230	Mode 15	
231-245	Mode 16		
246-255	Random display		
CH2	000-005	No function	Moon Flower Effect
	006-020	Mode 1	
	021-035	Mode 2	
	036-050	Mode 3	
	051-065	Mode 4	
	066-080	Mode 5	
	081-095	Mode 6	
	096-110	Mode 7	
	111-125	Mode 8	
	126-140	Mode 9	
	141-155	Mode 10	
	156-170	Mode 11	
	171-185	Mode 12	
	186-200	Mode 13	
	201-215	Mode 14	
	216-230	Mode 15	
231-245	Mode 16		
246-255	Random display		
CH3	000-249	Display speed slow-fast	Speed Control
	250-255	Sound Mode	

17 Channel Mode			
Channel	Value	Function	Output
CH1	000-255	SMD dimmer 0-100%	
CH2	000-007	LED on	SMD Show effect
	008-015	LED off	
	016-131	Strobe speed slow - fast	
	132-139	LED on	
	140-181	LED speed slow - fast	
	182-189	LED on	
	190-231	LED slow - fast	
	232-239	LED on	
	240-247	Strobe	
	248-255	LED on	
	CH3	000-255	
CH4	000-255	Green dimmer 0-100%	
CH5	000-255	Blue dimmer 0-100%	
CH6	000-005	No function	
	006-125	Static colour	
	126-189	Colour jump slow-fast	
	190-253	Colour fade slow-fast	
	254-255	Random colour in sound mode	
CH7	000-005	No function	SMD Show Effect
	006-246	Effect 1-16	
	247-255	Random show mode	
CH8	000-209	Effect speed slow-fast	
	210-255	Sound on	
CH9	000-255	Dimmer 0-100%	Moon Flower Effect
CH10	000-007	LED on	
	008-015	LED off	
	016-131	Strobe speed slow-fast	
	132-139	LED on	
	140-181	LED fast on, slow off speed slow-fast	
	182-189	LED on	
	190-231	LED speed slow-fast	
	232-239	Light on	
	240-247	Strobe	
	248-255	LED on	
CH11	000-255	Red dimmer 0-100%	
CH12	000-255	Green dimmer 0-100%	
CH13	000-255	Blue dimmer 0-100%	

CH14	000-255	Yellow dimmer 0-100%	Moon Flower Effect
CH15	000-255	White dimmer 0-100%	
CH16	000-005	No function	
	006-130	Static colour	
	131-191	Colour jump slow-fast	
	192-251	Colour fade slow-fast	
	252-255	Random colour in sound mode	
CH17	000-099	Reverse rotation fast-slow	
	100-109	Stop rotation	
	110-209	Forward rotation fast-slow	
	210-255	Random colour in sound mode	

CLEANING & MAINTENANCE

- Disconnect from the mains before starting the maintenance operation.
- Frequent cleaning is recommended. Use a soft lint-free moistened cloth.
- Do not use any chemicals, abrasives or solvents that could damage the device.
- There are no user-serviceable parts in this product. Refer all servicing to qualified personnel.

SPECIFICATIONS

Voltage	AC 100-240V 50-60Hz
Power	70W
LED source	5pcs 8W R/G/B/W/A single colour 51pcs 0.2w RGB 3in1 LED
Fuse	F3AL250V
DMX modes	3/17 channel
Operational Modes	Sound activated, internal programme, DMX master/slave, and via remote control
Colour Mixing	RGBW
Working environment	-20°C - 40°C
Dimensions	271 x 186 x 258mm
Weight	3.1kg



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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