

FOG FURY JETT



User Manual



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Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the enviroment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

INTRODUCTION

Congratulations, you have just purchased one of the most reliable fog machines on the market today! The Fog Fury Jett commercial fog machine has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. These instructions contain important information regarding safety during use and maintenance.

Customer Support: ADJ Products, LLC provides a customer support line, to provide help and to answer any questions that might arise during set up or initial operation. You may also visit us on the web at www.adj.com with any comments or suggestions. Service Hours and Monday through Friday 8:00am to 4:30pm PST.

Voice: (800) 322-6337 Fax: (323) 582-2941 E-mail: support@adj.com

Parts: To purchase parts online, please visit http://parts.adj.com.

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. In the unlikely event that your unit requires service, please contact ADJ Products. LLC.

Do not discard the shipping cartoon in the trash. Please recycle when ever possible.

SAFETY ISSUES:

NEVER POINT OR AIM A FOG MACHINE TOWARDS PEOPLE OR THEIR CLOTHING. THIS UNIT EMITS HOT VAPOR AND SHOULD BE USED WITH THE SAME CARE THAT WOULD BE OBSERVED WHEN USING AN ELECTRIC KETTLE OR IRON.

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

SAFETY PRECAUTIONS

- Be sure to save the packing carton in the unlikely event that the unit needs to be shipped back for service.
- Do not spill water or other liquids into or on to your device.
- Be sure that all the fog fluid is kept inside the fluid reservoir.
- Be sure that the power outlet matches the required voltage for your device.
- Do not remove the top cover for any reason. There are no user serviceable parts inside.
- Disconnect the unit's main power when left unused for extended periods of time.
- Never connect this unit to a dimmer pack.
- Do not attempt to operate this unit if it has been damaged in any way.
- Never operate this unit with the cover removed.
- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture.
- Do not attempt to operate this unit if the power cord is frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong it used to reduce the risk of electrical shock and fire in the event of an internal short.
- Disconnect from main power before making any type of connection.
- Never block the ventilation holes, and always mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- This unit is intended for indoor use only. Use of this product outdoors voids all warranties.
- Always mount this unit in a safe and stable matter.
- Please route your power cord out of the way of foot traffic. Power cords should be routed so that they are not likely to be walked on, or pinched by items placed upon or against them.
- The unit should only be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen onto, or liquid has been spilled into, the unit.
 - C. The unit has been exposed to rain or water.
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance.

DMX INFORMATION

Power Supply: Before plugging your unit in, check that the voltage of the power outlet matches the required voltage for your ADJ Fog Fury Jett. The ADJ Fog Fury Jett is available in a 120-V and 230-V versions. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate you fixture.

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol that is used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a DATA "OUT" terminal).

DMX Linking: DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): The Fog Fury Jett can be controlled via DMX-512 protocol. It features 5 selectable DMX channel modes, which are listed in the *DMX Traits* section of this manual. The DMX address is set on the back panel. Your unit and your DMX controller require a standard 3-pin XLR connector for data input and data output (Figure 1). We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male XLR connector on one end and a female XLR connector on the other. Also remember that DMX cable must be daisy chained and cannot be split.



Figure 1

DMX SETUP

Notice: Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come into contact with the XLR cable's outer casing. Grounding the shield could cause a short circuit and result in erratic behavior.

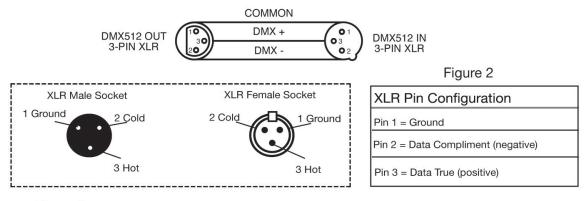


Figure 3

Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number **Z-DMX/T**) will decrease the chances of erratic behavior.



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

Figure 4

5-Pin XLR DMX Connectors. Some manufacturers use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables into a 3-pin line a cable adaptor must be used. These adaptors are readily available at most electronics stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion					
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)			
Ground/Shield	Pin 1	Pin 1			
Data Compliment (- signal)	Pin 2	Pin 2			
Data True (+ signal)	Pin 3	Pin 3			
Not Used		Do Not Use			
Not Used		Do Not Use			

OVERVIEW



- A. 12 LEDs
- B. Handle
- C. Fog Fluid Tank
- D. Tank Fixed Ring
- E. Safety Loop
- F. Power Switch
- G. LED Display
- H. Menu Button
- I. Up Button
- J. Down Button

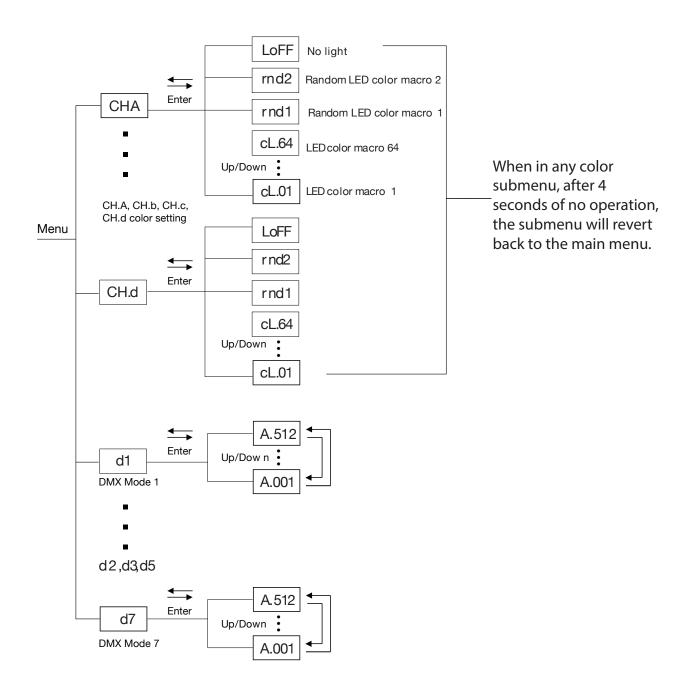
- K. Enter Button
- L. Manual Fog
- M. DMX 3-pin XLR Input
- N. DMX 3-pin XLR Output
- O. Control Socket Connection
- P. Electric Power Cord with Fuse Holder
- Q. Visible Fog Fluid Level Indictor
- R. M10xP1.5C Clamp Installation
- S. Safety Cable Loop

SETUP

- 1. Open the shipping carton and carefully remove the unit from the shipping carton.
- 2. Be sure to remove all the packing material, paying special attention to the area around the nozzle.
- 3. Set the fog machine on a flat dry surface and fill the fog fluid reservoir with ADJ brand fog juice. Place the feeder tube with the filler deep inside the reservoir and tighten the cap.
- 4. Firmly attach the remote control receiver to the rear remote control socket on the unit.
- 5. Plug the unit in to a matching power supply. At this time, the red LED located on the remote receiver will glow red, indicating that the unit is heating up. The device requires approximately nine minutes to reach normal operating temperature. When it has reached operating temperature, the green LED on the remote receiver will glow.
- 6. Emit fog using either the button on the remote, or the manual button on the rear of the unit.
- 7. Follow the operating instructions on the next few pages for proper operation.

NOTE: If the LED under the reservoir begins to flash, this indicates that fog juice fluid is low.

SYSTEM MENU



SYSTEM MENU

dX - DMX Address Setting.

- 1. Press the either the MENU button until "dX" is displayed. "X" represents the currently selected DMX channel mode. There are 5 selectable DMX channel modes. See the **DMX Traits** section of this manual for detailed information.
- 2. When you find your desired DMX channel mode, press the ENTER button. "A.XXX" will be displayed, where "XXX" represents the current DMX address. Use the UP or DOWN buttons to adjust the DMX address as desired.

CH.X - Wireless remote channel setting.

- 1. Press the MENU button until "CH.X" is displayed. "X" represents the currently set remote channel (A-D). "A-D" corresponds to the buttons on the wireless remote. Example: If the fixture is set to "CH.B", then the corresponding button on the remote will emit fog when the button is pressed. *Note: You can set more than one machine to the same wireless remote setting.*
- 2. Press the ENTER button to access the color macro submenu. Use the UP or DOWN buttons to scroll through and select 1 of 64 color macros or random macros. When you press the corresponding button on the wireless remote to the setting (A-d) you have selected on the unit, the color you have selected will be the color that is displayed along with the fog that is emitted. *Note:* When in any color submenu, after 4 seconds of no operation, fixture will revert back to "CH.A".

DMX MODE

Operating through a DMX controller gives the user the freedom to create custom programs tailored to their own individual needs. The Fog Fury Jett has 5 DMX channel modes: 1, 2, 3, 5, & 7 channel modes. Please refer to the **DMX Traits** section of this manual for detailed information. This function will allow you to control the fixture's individual traits with a standard DMX 512 controller.

- 1. Press the either the MENU button until "dX" is displayed. "X" represents the currently selected DMX channel mode.
- 2. When you find your desired DMX channel mode, press the ENTER button. "A.XXX" will be displayed, where "XXX" represents the currently set DMX address. Use the UP or DOWN buttons to find your desired DMX address.
- 3. After you have set your DMX address, plug in the fixture to any standard DMX controller via the XLR connections.

WIRELESS REMOTE OPERATION

Always maintain an adequate supply of ADJ Brand Fog Juice in the fluid reservoir. Running the fog machine dry will cause pump failure and/or clogging. This is the largest cause of failure in fog and haze machines. Only ADJ Fog Juice is recommended for use, and not all fog juice is created equal.

Wireless Remote Operation: Start by connecting the remote receiver to the fog machine, then set the machine to your desired wireless remote channel setting as instructed in the **System Menu** section of this manual. Once the machine is plugged in and powered on, a red power LED on the receiver will glow, indicating that the unit is receiving power. The unit has a warm up time of about nine (9) minutes. After the unit has warmed up, a green LED on the receiver will illuminate, indicating that the unit is ready to emit fog. To emit fog, simply press the assigned button on the remote for the desired length of time. If the green LED is on and fog does not come out after holding the button down for 30 seconds, check the fluid tank and make sure you have enough fog juice.

Caution: Before removing or replacing the remote control unit, disconnect the power supply.

DMX TRAITS

CHANNEL		DMX	FUNCTION			
1CH	2CH	зсн	5CH	7CH	VALUES	FUNCTION
						Fog & Random Color Change
			1	1	000 - 015	Off
1	1	1			016 - 031	Color Macro Preview
					032 - 255	Max Fog and Color Change
			2	2	000 - 255	Red, 0% to 100%
			3	3	000 - 255	Green , 0% to 100%
			4	4	000 - 255	Blue, 0% to 100%
			5	5	000 - 255	Amber, 0% to 100%
	2	2			000 - 255	Color Macros, see Color Macros Chart section of this manual for detailed information
						Strobing
					000 - 031	Off
		3		6	032 - 095	Strobing, slow to fast
					096 - 159	Pulse Effect
					160 - 255	Random Strobe, slow to fast
				7	000 - 255	Master Dimmer, 0% to 100%

NOTE: The color macro preview will a run a 5 second random LED show, which will repeat every 15 seconds. You can use the color macro preview with the color macro mode (channel 2). By adjusting the color macros, the color macro preview will show you the current color macro that the fader is set to. This color macro will be the color macro that is seen when there is fog output.

COLOR MACROS CHART

Please note: Color Macros and RGBA adjustment only work when fog is active.

		RGBA COLOR INTENSITY				
COLOR NO.	DMX VALUES	RED	GREEN	BLUE	AMBER	
Color1	000 - 004	80	255	234	80	
Color2	005 - 008	80	255	164	80	
Color3	009 - 012	77	255	112	77	
Color4	013 - 016	117	255	83	83	
Color5	017 - 020	160	255	77	77	
Color6	021 - 024	223	255	83	83	
Color7	025 - 028	255	243	77	77	
Color8	029 - 032	255	200	74	74	
Color9	033 - 036	255	166	77	77	
Color10	037 - 040	255	125	74	74	
Color11	041 - 044	255	97	77	74	
Color12	045 - 048	255	71	77	71	
Color13	049 - 052	255	73	134	83	
Color14	053 - 056	255	93	182	93	
Color15	057 - 060	255	96	236	96	
Color16	061 - 064	238	93	255	93	
Color17	065 - 068	196	87	255	87	
Color18	069 - 072	150	90	255	90	
Color19	073 - 076	100	77	255	77	
Color20	077 - 080	77	100	255	77	
Color21	081 - 084	67	148	255	67	
Color22	085 - 088	77	195	255	77	
Color23	089 - 092	77	234	255	77	
Color24	093 - 096	158	255	144	144	
Color25	097 - 100	255	251	153	153	
Color26	101 - 104	255	175	147	147	
Color27	105 - 108	255	138	186	138	
Color28	109 - 112	255	147	251	147	
Color29	113 - 116	151	138	255	138	
Color30	117 - 120	151	138	255	138	
Color31	121 - 124	138	169	255	138	
Color32	125 - 128	17	0	145	42	
Color33	129 - 132	255	206	143	0	
Color34	133 - 136	254	177	153	0	

COLOR MACROS CHART

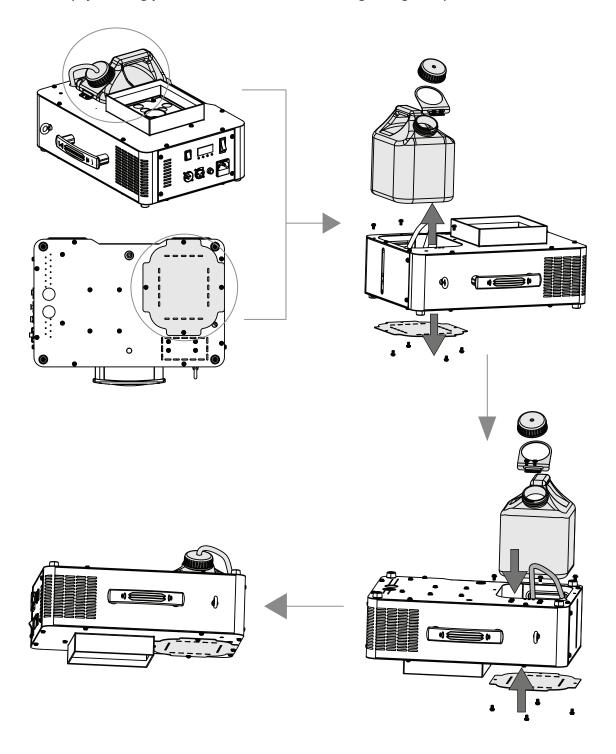
001 00 110	D143/ 1/41 1/50	RGBA COLOR INTENSITY				
COLOR NO.	DMX VALUES	RED	GREEN	BLUE	AMBER	
Color35	137 - 140	254	192	138	0	
Color36	141 - 144	254	165	98	0	
Color37	145 - 148	254	121	0	0	
Color38	149 - 152	176	17	0	0	
Color39	153 - 156	96	0	11	0	
Color40	157 - 160	234	139	171	0	
Color41	161 - 164	224	5	97	0	
Color42	165 - 168	175	77	173	0	
Color43	169 - 172	119	130	199	0	
Color44	173 - 176	147	164	212	0	
Color45	177 - 180	88	2	163	0	
Color46	181 - 184	0	38	86	0	
Color47	185 - 188	0	142	208	0	
Color48	189 - 192	52	148	209	0	
Color49	193 - 196	1	134	201	0	
Color50	197 - 200	0	145	212	0	
Color51	201 - 204	0	121	192	0	
Color52	205 - 208	0	129	184	0	
Color53	209 - 212	0	83	115	0	
Color54	213 - 216	8	107	222	0	
Color55	217 - 220	107	156	231	0	
Color56	221 - 224	165	198	247	0	
Color57	225 - 228	209	219	182	0	
Color58	229 - 232	42	165	85	0	
Color59	233 - 236	0	46	35	0	
Color60	237 - 240	255	0	0	0	
Color61	241 - 244	0	255	0	0	
Color62	245 - 248	0	0	255	0	
Color63	249 - 252	0	0	0	255	
Color64	253 - 255	255	255	255	255	

TRUSS MOUNTING

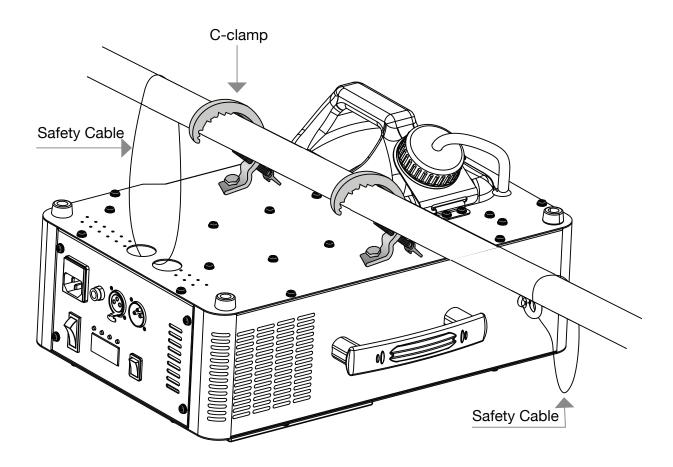
The Fog Fury Jett can be mounted in three different orientations: right side up on the floor, sideways with the handle facing up, or suspended upside down from trussing.

When suspending the machine upside down, the tank should be removed and switched to the bottom of the unit so that the tank will remain upright. Follow the steps illustrated below to remove and re-install the tank so that it remains right-side up.

NOTE: Please empty the fog juice from the tank before beginning this procedure.



TRUSS MOUNTING



Screw one clamp into the bottom of the unit using an M10 screw. The clamp holes are located on each side of the unit. Screw the safety cable loop into the side of the base and pull the safety-cable through the safety cable loop and over the trussing system or another safe fixation spot. Insert the end in the carabine. Check that the safety cable loop is securely screwed into place. Use another safety cable and place the cable through the safety cable hole located rear bottom of the unit. Insert the end in the carabine and tighten the safety screw. Please see the diagram above.

FUSE REPLACEMENT

Remove the unit's power cord, then find the fuse holder located inside the power socket. Insert a flat-head screw driver into the power socket and gently pry out the fuse holder. Remove the bad fuse and insert a new replacement fuse. Please note that the fuse holder has a built-in socket for a spare fuse, so take care not to confuse the spare fuse with active fuse.

WARRANTY REGISTRATION

The Fog Fury Jett fog machine carries a one year (365 days) limited warranty. The LED system carries a two year (730 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain an R.A. number by contacting customer support at (800) 322-6337.

TROUBLESHOOTING

If you experience low fog output, pump noise, or no fog output at all, disconnect the device from power and discontinue usage immediately. Do not attempt to continue pushing the remote control's activation button, as this may damage the fog machine. Check the fluid level, the external fuse, and remote connection, and be sure the wall outlet is sending power. If all of these factors do not appear to be the cause of the problem, then the unit will likely require service. Please contact ADJ Products, LLC.

PROPER STORAGE AND MAINTENANCE

Store the device in a cool area, and cover the device so that dust does not build up on the unit. When storing for long periods of time, it is highly advised to run the device at least once every 3-4 months, as long periods of inactivity can severly shorten the life of your machine. Only run water based fog juice through your machine. Never run plain water, vinegar, or any other liquid solution through your machine. Running anything other than water based fog juice will severly damage your device.

WARRANTY

- A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service, you must obtain a Return Authorization number (RA#) before sending the product back—please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be prepaid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because it was not properly maintained as set forth in the product instructions, guidelines and/or user manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning, or periodic checkup. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And all warranties, whether expressed or implied, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Product, LLC be liable for any loss and/or damage, direct and/or consequential arising out of the use of, and/or inability to use this product.
- G. This warranty is the only written warranty applicable to ADJ Products, LLC products, and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- Non-LED Lighting Products = 1-Year (365 Days) (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)
- Laser Products = 1-Year (365 Days) (excluding laser diodes which have a 6-Month Limited Warranty)
- LED Products = 2-Year (730 Days) (excluding batteries which have a 180 Day Limited Warranty)
- NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States. StarTec Series = 1-Year (365 Days) (excluding batteries which have a 180 Day Limited Warranty)
- ADJ DMX Controllers = 2 Year (730 Days)
- American Audio Products = 1 Year (365 Days)

SPECIFICATIONS

Fog Fury Jett Model:

120V or 230V, 50/60Hz Voltage*:

12 x 3-Watt LEDs (3 red, 3 green, 3 blue, 3 amber) LEDs:

700W Heater: Power Consumption: 730W

Weight: 16 Lbs / 7.1 Kgs Dimensions: 15.5" x 12" x 7.5"

397mm x 302mm x 191mm

Breaker: 10A (120V) / 5A (230V)

Warm Up Time: 9 Minutes Tank Capacity: 3 Liters Fluid Consumption: 120 mL/min

Output: 20,000 cubic feet per minute Fluid Type: Water Based ADJ Fog Juice

DMX Channels: 5 DMX Channel Modes - 1, 2, 3, 5, or 7-channels **Duty Cycle:** Not to exceed 6 hours continuously powered on

Warranty: 1 Year (365 days) for fog machine

2 Years (730 days) for LEDs

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^{*}Voltage is pre-set at the factory and cannot be changed.