



Fog Fury 3000



Caution: Fog Machines may set off Smoke Alarms!

User Instructions

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Introduction: Congratulations, you have just purchased one of the most reliable fog machines on the market today! The Fog Fury 3000 commercial fog machine have 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 toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.adj.com for any comments or suggestions. For service related issue please contact ADJ Products, LLC. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice: (800) 322-6337

Fax: (323) 582-2941

E-mail: support@americandj.com

To purchase parts online visit <http://parts.americandj.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, doing so will void your manufactures warranty. In the unlikely event your unit may require 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 YOU WOULD OBSERVE 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.

- Be sure to save the packing carton in the unlikely event the unit may have to be returned for service
- Do not spill water or other liquids into or on to your fogger. Be sure that all the fog fluid is kept inside the fluid reservoir
- Be sure that the local power outlet match that or the required voltage for your fog machine
- Do not remove the top cover under any conditions. There are no user serviceable parts inside
- Disconnect the unit's main power when left unused for long periods of time
- Never connect this unit to a dimmer pack
- Do not attempt to operate this unit, if it becomes damaged in anyway
- Never operate this unit when it's cover is 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 has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short
- Disconnect from main power before making any type of connection
- Never block the ventilation holes. Always be sure to 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 they are not likely to be walked on, 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, 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.

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your ADJ Fog Fury 3000. The ADJ Fog Fury 3000 is available in a 120v and 230v version. 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 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 manufactures 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, when using several DMX fixtures try to use the shortest cable path possible. 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 3000 can be controlled via DMX-512 protocol. The Fog Fury 3000 has 3 DMX channels. 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 and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.



Figure 1

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 in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.

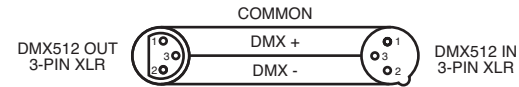


Figure 2

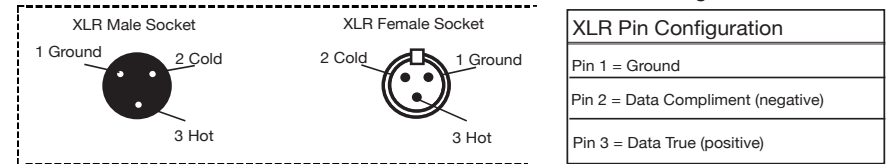


Figure 3

XLR Pin Configuration	
Pin 1 =	Ground
Pin 2 =	Data Compliment (negative)
Pin 3 =	Data True (positive)

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 possibilities 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 manufactures 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 in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric 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

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Layout



- | | |
|-------------------|------------------------------|
| A. Bracket | I. Up |
| B. Handle | J. Down |
| C. Fog Fluid Tank | K. DMX 3 pin XLR Output |
| D. Power Switch | L. DMX 3 pin XLR Input |
| E. Timer ON/OFF | M. Control Socket Connection |
| F. Fog Switch | N. NFB |
| G. LED display | O. Electric Power Cord |
| H. Menu | P. Bracket Knob with lock |

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Description

The new Fog Fury 3000 fog machine features a fog juice level sensor. When the fog juice level is low, a LED below the reservoir will flash. When the fog juice level reaches a lower level, a built-in sensor inside the reservoir will automatically shut off the pump. This will greatly expand the life of the pump. The new Fog Fury 3000 fog machine included a revolutionary new heating element that has been specially designed to prevent excessive particle build up that can cause premature fogger failure. The fog machine also includes a remote control, that may be removed for periods on non-use.

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Set-Up

1. Open the shipping carton and carefully remove the unit from the shipping carton.
2. Be sure to remove all the packing material especially around the nozzle.
3. Set the fog machine on a flat dry surface. Locate the included bracket from the package and install it using the supplied hardware to the side casing. Note: The bracket is an optional accessory and may not be used if desired, however if you intend to suspend the unit from truss the bracket must be used.
4. Fill the fog fluid reservoir with ADJ brand fog juice. Place the feeder tube with the filter deep inside the reservoir and tighten the cap.
5. Firmly attach the remote control unit to the rear remote control socket on the unit.
6. Plug the unit in to a matching power supply. At this time the fluid reservoir will glow red, this indicates that the unit is heating up. Wait about eight minutes for the fogger to reach normal operating temperature. When it has reached the temperature, the reservoir will glow blue.
7. Either press the remote button to emit fog or use the manual button on the rear of the unit to emit fog. See the next page for timer control and DMX control.
8. Follow the operating instructions on the next page for proper operation.

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

A.XXX - DMX Address Setting. (“XXX” represents the displayed DMX address.)

1. Press the either the MENU, UP, or DOWN buttons until “A.XXX” is displayed. “XXX” represents the current address that is displayed
2. Press the UP or DOWN buttons to change/find your desired address.

TIMER MODE

These menu settings are for Timer mode. Make these setting before activating the Timer Mode.

U.XXX - This is the Volume setting (output intensity).

1. Press the either the MENU button until “u.XXX” is displayed.
2. Press the UP or DOWN buttons to change the output intensity. 5 is the lowest output while 100 is highest output.

I.XXX - This is the Interval setting (set time in between fog output).

1. Press the either the MENU button until “I.XXX” is displayed.
2. Press the UP or DOWN buttons to change the output interval.
- 3 seconds is the lowest time while 255 seconds is longest time between output.

d.XX - This is the Dispersion time setting (length of fog output).

1. Press the either the MENU button until “d.XX” is displayed.
2. Press the UP or DOWN buttons to change the dispersion time. 1 second is the lowest time while 10 seconds is longest output time.

Master-Slave Configuration:

This function will allows you to link units together to run in a Master-Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units built-in programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the “Master.”

Master-Slave Connections and Settings:

1. Daisy chain your units via the XLR connector on the rear of the unit. Use standard XLR data cables to link your units together. Remember that the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only. The last unit in the chain will use the male XLR connector only.
2. Connect the first “Slave” unit to the “Master.”
3. On the “Master” unit press the MENU button until “M.XXX” is displayed. “XXX” representing either ON or OFF. Use the UP or DOWN button to change the setting to ON. Make sure the “Slave” units are all set to “Master” Off. The “Slave” unit will now follow the “Master”.

DMX Mode:

Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. This function also allows you to use your fixtures as spot lights. The Fog Fury 3000 has 3 DMX channels. See page 11 for the DMX traits.

1. This function will allow you to control each individual fixture’s traits with a standard DMX 512 controller.
2. To run your fixture in DMX mode press the MENU button until “A.XXX” is displayed. “XXX” represents the current displayed address. Use the UP or DOWN buttons to select your desired DMX address.
3. Please see page 11 for DMX values and traits.
4. After you have set your DMX address plug in the fixture via the XLR connections to any standard DMX controller.

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Remote Operation

Always be sure to 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 and not all fog juice is created equal.

Remote Operation: Start by connecting the remote to the fog machine. Once the machine is plugged in and turned on, a red power LED on the remote will glow indicating the unit is receiving power. The unit has a warm up time of about eight (8) minutes. After the unit has warmed up, a GREEN LED on the remote will light indicating the unit is ready to emit fog. To emit fog, simply press the button on the remote for 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.

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Proper Storage and Maintenance

When storing your fog machine be sure to store it in a cool area. Cover the machine so that dust does not build up on the unit. When storing the machine for long periods of time, it is highly advised to at least run the machine every 3-4 months. Long periods of inactivity can severely 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 severely damage your machine.

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DMX Chart

Channel 1/ Volume		Channel 2/ Interval				Channel 3/ Duration	
DMX Value	Action Time	DMX Value	Action Time	DMX Value	Action Time	DMX Value	Action Time
0-4	0%	0-3	3 s	131-140	131-140s	0-25	0.5-1.0 s
5-30	10%	4-10	4-10s	140-150	140-150s	26-50	1.1-2.0s
31-55	11-20%	21-30	21-30s	151-160	151-160s	51-75	2.1-3.0s
56-80	21-30%	31-40	31-40s	161-170	161-170s	76-100	3.1-4.0s
81-105	31-40%	41-50	41-50s	171-180	171-180s	101-125	4.1-5.0s
106-130	41-50%	51-60	51-60s	181-190	181-190s	126-150	5.1-6.0s
131-155	51-60%	61-70	61-70s	191-200	191-200s	151-175	6.1-7.0s
156-180	61-70%	71-80	71-80s	201-210	201-210s	176-200	7.1-8.0s
181-205	71-80%	81-90	81-90s	211-220	211-220s	201-225	8.1-9.0s
206-230	81-90%	91-100	91-100s	221-230	221-230s	226-250	9.1-10.0s
231-255	91-100%	101-110	101-110s	231-240	231-240s	251-255	Constant Fogging
		111-120	111-120s	241-250	241-250s		
		121-130	121-130s	251-255	251-255s		

*s = seconds

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Warranty Registration

The Fog Fury 3000 fog machine carries a one year (365 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 accompany 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 a R.A. number by contacting customer support at (800) 322-6337.

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Trouble Shooting

- If machine is running low on fog juice, the LED below the fluid reservoir will flash slowly and the LCD display will show “Er-1”.
- If the thermal sensor wire has disconnected or is acting abnormal, the LED below the fluid reservoir will flash quickly and the LCD display will show “Er-2”.
- If the communication of thermo circuit and main control circuit has faulted, the LED below the fluid reservoir will flash intermittently and the LCD display will show “Er-3”.

Note: Even though the LED is below the fluid reservoir you can see the LED color through fluid tank.

If you experience low fog output, pump noise, or no fog output at all, disconnect and discontinue use 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, remote connection, and be sure the wall outlet is sending power. If all of the above appears to be okay, and the unit fails to operate correctly, the unit will require service. Please contact ADJ Products, LLC.

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Warranty

MANUFACTURER'S LIMITED 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 back the product—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 pre-paid. 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. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have 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 serial number has been 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 not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. 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.

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 no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. 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 Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

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:

- **Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED, Laser Products and lamps)
- **Laser Products = 90-Day Limited Warranty**
- **L.E.D. Products = 3-year (1095 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) and batteries which have a 180 day limited warranty). Only the L.E.D.s carry a 3-year warranty

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Specifications

MODEL - Fog Fury 3000

VOLTAGE*:	120v or 230V, 50/60Hz
HEATER:	1500W
POWER CONSUMPTION:	1600W
WEIGHT:	25 Lbs. / 11.28 Kgs
DIMENSIONS:	18.75" x 13.75" x 12.75" 475 x 345 x 321 mm
BREAKER:	20A (120V) / 10A (230V)
WARM UP TIME:	8 Minutes
TANK CAPACITY:	5 Liter
OUTPUT:	21000 cubic feet per minute
FLUID TYPE:	Water Base ADJ Fog Juice
DMX CHANNELS:	3 DMX Channels
DUTY CYCLE:	Not to exceed 6 hours turned on.

*Voltage is preset at the factory and may not be changed

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