AtmosFX Haze 650

COMPACT HAZE MACHINE

USER MANUAL

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RayGlimz Lighting

Read this manual before use and retain it for future reference.

1 Product overview

AtmosFX Haze 650 is a compact haze machine with 5-100% output adjustment, a 2.5 L fluid tank, and timer, manual and continuous operation.

2 Technical reference

Item	Specification
Model Code	AtmosFX Haze 650
Heater Power	600 W
Power Consumption	620 W
Power Supply	230 V, 50 Hz
Initial Heat-up Time	3 min
Stated Haze Output	12,000 cu.ft/min
Fluid Tank Capacity	2.5 L
DMX Channel Modes	2 CH
Operating Modes	Timer; manual; continuous output
Compatible Fluid	LAD-2 / LAD-3 / LAD-4 haze fluid
Dimensions Including Handle	210 × 382 × 285 mm (L × W × H)

3 Safety precautions

Power and condition. Match the supply to the rating label and use a protected, correctly earthed circuit. Keep leads undamaged and fully clear of heat and traffic. Do not use an external dimmer. Keep the product dry; do not expose it to rain or liquid ingress.

Heat and output. The outlet and nearby housing can become hot. Keep people and animals out of the discharge path. Do not touch the nozzle. Keep exits, signs and walking routes visible.

Venue conditions. Agree the effect with the venue before use, including smoke detection and ventilation arrangements. Watch for fluid residue on floors; stop and remove slip hazards. Do not interfere with fire detection or other safety systems.

Fluid handling. Use the fluid listed for this model. Do not add fragrances, alcohol or other additives, and do not mix unknown fluids. Prevent spills into the enclosure and do not run the fluid system dry.

Placement and access. Use a secure, level support with free ventilation. Keep combustible materials away. Protect the equipment from unauthorised operation and do not leave an active effect unattended. Suspended or inverted use must be supported by product-specific mounting instructions, rated accessories and competent installation. Do not improvise mounting points or tank arrangements.

4 Setup and startup

1. Check the enclosure, power cable, reservoir and fluid hose for damage or leaks. Do not use damaged equipment.

2. Place the machine securely with a clear outlet path and unobstructed cooling areas. Route power and signal cables safely.

3. With power disconnected, fill the tank with the specified fluid without overfilling. Fit the cap and pickup securely; wipe away spills before applying power.

4. Connect the correct supply and allow initial heating to complete. Use the heat-up reference on the previous page; follow the operating indication on the unit rather than forcing output.

5. Use only control functions identified for your unit. Test the effect in a clear area, using a low output setting where available. Monitor fluid level, visibility and the surroundings.

5 Control panel and operation

Use the control panel to select manual output, continuous output or timer operation. Select the required function and adjust its displayed settings before starting output.

For local operation, stop output from the DMX controller and disconnect the incoming DMX signal before operating the panel. Keep the output area clear when changing settings.

Output adjustment. Set haze output between 5% and 100%. Begin with a low setting, then increase only as needed for the room and ventilation. Check visibility and fluid level during use.

Manual output. Select manual operation for a short output test or an operator-controlled cue. Stop output when the required haze level has been reached.

Continuous output. Select continuous operation and set the required output level. Monitor the effect and fluid supply throughout operation; stop output before the tank runs dry.

Timer operation. Select the timer function and adjust the displayed timing settings for the required output cycle. Start the timer and check one complete cycle before leaving it running under supervision.

6 DMX control

1. Connect the controller output to the machine DMX IN using a DMX data cable. Use DMX OUT to continue the signal to the next unit when required. Match the connector to the socket on the machine.

2. Open the DMX address setting on the control panel and set the start address to match the controller patch. When a channel mode is selectable, use the same mode in the machine and controller profile.

3. Keep output at zero while patching. Once the machine is ready, test one unit at a time, then stop the output before changing connections or settings.

DMX channel modes: 2 CH.

7 Shutdown

Stop fog or haze output before switching off. Allow any active shutdown sequence to finish before disconnecting mains power. Let the outlet and housing cool before handling. For a fault or leak, stop use and isolate the supply if safe.

8 Maintenance and transport

Disconnect power before cleaning and handling. Keep the exterior and ventilation areas free of dust using a soft dry cloth or brush. Do not spray liquid into the product, use solvents or open the enclosure. Internal repairs belong with qualified service personnel.

Keep the reservoir, cap and fluid containers clean and closed. Prevent contamination and fluid leaks during transport, and store the cooled product in a dry, protected location. Do not use the pump to empty the tank or introduce unapproved cleaning liquids. Internal cleaning and servicing require the procedure and materials appropriate to this model.

9 Troubleshooting

Symptom	Action
No power	Check the specified supply, power switch and cable seating. Disconnect before inspecting connections. Do not open the enclosure or bypass protection.
No or weak output	Check warm-up condition, fluid level and the fluid specified for the model. Stop repeated triggering if output does not recover; request service.
DMX does not respond	Check cable direction, controller output, start address and selected mode against a matching model and firmware profile. Do not substitute a chart from another machine.
Fluid leakage or wet discharge	Stop output, isolate power if safe and allow cooling. Keep people away from contaminated surfaces and contact service before further use.
Abnormal heat smell or repeated tripping	Stop use and isolate power if safe. Leave further diagnosis and protection-device work to qualified service personnel.

10 Technical support

Contact RayGlimz through www.rayglimz.com. Include the product model, serial number, supply voltage, the issue and photographs where useful. Provide the firmware or display version when available. Confirm the purchase-specific service and warranty terms with your supplier.