Introduction

Congratulations on your purchase of this THRILL by Martin atmospheric effect machine. The THRILL Vertical Fogger combines brilliant color-mixing LEDs with powerful fog output to produce stunning atmospheric effects. Its flexible rigging and control options make it well suited for a wide range of applications.

This guide contains important safety and installation information. For operating instructions, see the THRILL Vertical Fogger User Guide. For the full range of Martin products visit our website at www.martin.com.

Features at a glance:
- 480 m³ (17,000 ft³) per minute fog output
- Brilliant RGB color-mixing, 21 long-life LEDs
- 7-channel DMX and 4-channel wireless remote control
- Flexible installation, creates effects at almost any angle

The THRILL Vertical Fogger is supplied with this safety and installation guide, a user guide, a wireless remote control, a mounting bracket, and a power cable.

Before installing and using the Vertical Fogger:
1. Read the safety information in this guide.
2. Unpack the Vertical Fogger and ensure that there is no transportation damage. Do not attempt to operate a damaged machine.
3. Ensure that your AC voltage and frequency match the power requirements of the device.
4. Ensure that you have the specified RUSH Fog Fluid.
5. Check the Martin Professional website at www.martin.com for the most recent product documentation and technical information. Martin datums are identified by the revision letter below the legal notices at the end of this guide.

Safety information

The following symbols identify important safety information:

- Warning! Safety hazard. Risk of severe injury or death.
- Warning! See user manual for important safety information.
- Warning! Hot surfaces.
- Warning! Handle with care.
- Warning! Hot flame hazard.

Safety and Installation Guide

This device presents risks of severe injury or death due to fire hazards, electric shock, falls, and respiratory problems. Its emissions may create a fire hazard or cause severe injury if safety precautions are not followed. It is Exempt Group (RG 0) per EN 62471, where no optical hazard is considered reasonably foreseeable, even for continuous, unrestricted use.

Install, operate and service this product only as directed, or you may create a safety hazard or cause damage that is not covered by product warranties.

Follow the safety precautions below and observe all warnings on the product. Keep this information for future reference.

For the latest user documentation and information about this and other Martin products, visit our website at www.martin.com.

Respect all locally applicable laws, codes and regulations when installing, operating or servicing the product.

Protection from electric shock

Do not expose the product to water or moisture.

Disconnect the product from AC power before carrying out installation or maintenance and when not in use.

Ensure that the product is electrically connected to ground (earth).

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.

Replace blown fuses with ones of the specified type and rating.

Stop using the product if the problem persists.

Isolate the product from power immediately if the power plug or any seal, cover, hose, or other component is damaged, defective, deformed, wet or showing signs of overheating. Do not reapply power until the problem is corrected.

Before connecting the product to power, check that all power distribution equipment and cables are undamaged and rated for the electrical requirements of all connected products.

Protection from burns and fire

Do not operate the product if the ambient temperature (Ta) exceeds 40°C (104°F).

The product casing and fog output nozzle can become hot during operation. Avoid contact by persons and materials.

Do not touch the output nozzle during or after use – it becomes extremely hot, up to 300°C (572°F), and could cause burns or pose a risk to flammable materials for up to three hours after the machine has been shut down. The nozzle cools slowly – Do not cover or pack the machine away until the nozzle temperature has been reduced. Allow the machine to cool for at least 15 minutes before handling.

Provide a minimum free space of 600 mm (24 in.) around the machine, and ensure free and unobstructed airflow to and from the machine, including air vents and fans.

Keep the machine at least 600 mm (24 in.) away from people, combustible and heat-sensitive materials.

Do not point fog output at people or objects less than 5 m (16 ft) away from the output nozzle. This figure can be reduced to 2 m (6.6 ft) when the machine is pointed vertically up.

If a fault occurs, the machine can produce streams or excessive droplets of hot fluid that could burn persons or damage materials. If these conditions are noticed, unplug and stop using the machine immediately and contact Martin Professional service.

Do not install the machine such that hot fluid droplets could fall or be projected onto people or objects and materials that are sensitive (including heat-sensitive) or combustible.

Protection from injury

Do not attempt to repair a defective product or modify the product in any way. LEDs are not user-replaceable. Refer all service to your Martin dealer or contact Martin directly for technical support through www.martin.com/contact.

Ensure that any supporting structure and/or hardware used can hold at least 10 times the weight of all the devices they support and complies with locally applicable regulations.

To suspend the effect machine from a rigging structure, use a suitable rigging clamp. Do not use safety cables as the primary means of support.

If the product is installed in a location where it may cause injury or damage if it falls, install as directed a secondary attachment such as a safety cable that will hold the machine if a primary attachment fails. The secondary attachment must be approved by an official body such as TUV as a safety attachment for the weight that it supports, must comply with EN 60598-2-17 Section 17.6.6 or BGV C1/DGUV 17, and must be capable of bearing a static suspended load at least six times the weight of the fixture (or more if required by locally applicable regulations).

Do not operate the product with missing or damaged covers. Check that all external covers and rigging hardware are securely fastened.

In the event of an operating problem, stop using the product immediately and disconnect it from power. Do not attempt to use a machine that appears to be damaged or that does not have fluid.

Block access below the work area and work from a stable platform whenever installing, setting, adjusting, filling, or cleaning the product.

Martin products are not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children must be supervised to ensure that they do not play with the product.

Do not install atmospheric effect machines directly overhead in areas where people may be present.

Atmospheric effects can cause condensation. Do not point the output from the atmospheric effect machine at a smooth floor. Floors and surfaces may become slippery. Check these frequently and wipe dry as necessary to avoid any danger of slipping.

Flashing light can trigger epileptic seizures in flicker-sensitive persons. Provide notice when strobe lighting is in use at the entrance(s) to the venue. Mount flashing lights at high above head height as practicable and avoid extended periods of continuous flashing, particularly at 10 to 20 flashes per second. STOP lights from flashing immediately if a person has an epileptic seizure.

Atmospheric effect fluid contains food-grade glycols in solution but may present health risks if swallowed. Do not drink it. Store it securely. If eye contact occurs, rinse with water. If a person swallows’ fluid, give water and obtain medical advice.

Protection from breathing problems

An atmospheric effect machine can operate safely only with the fluid it is designed for. Use only fluid that is specified in the product specifications and is approved for use with the product. Other fluids may cause the release of toxic gases, presenting a severe health hazard. You will also probably cause damage to the product that is not covered under the product’s warranty.

Do not create dense fog in confined or poorly ventilated areas. Ensure at least 2 m (6.6 ft.) visibility in areas where fog is being produced.

Do not expose people with health problems (including allergic and/or respiratory conditions such as asthma) to atmospheric effects including fog or haze.

Product overview

The machine is designed for indoor use only and must be used in a dry location with adequate ventilation. Observe all precautions in the Safety Information section of this guide.

Surface installation

The THRILL Vertical Fogger is designed to be placed on a floor or stable surface with the output nozzle vertical. The machine may also be placed on its side as shown below for horizontal output. The filler cap must be above the fluid level to prevent leakage, as shown below. If using horizontally, do not place the output at eye level. Take extra precautions to prevent surfaces from becoming slippery.

Physical installation

The machine is designed for indoor use only and must be used in a dry location with adequate ventilation. Observe all precautions in the Safety Information section of this guide.
Mounting the effect machine on a truss

If the fluid tank is installed as shown above, the machine can be clamped to a truss or similar structure with the nozzle pointing down. It may be tilted up to 45° if the fluid tank is partially filled. Overfilling or steeper tilting may cause fluid leakage.

To clamp the effect machine to a truss:

1. Install the mounting bracket on the machine and secure with both bracket hand wheels and included washers.
2. Check that the rigging support can structure at least 10 times the weight of all equipment to be installed on it and complies with locally applicable regulations.
3. Block access under the work area.
4. Bolt a rigging clamp securely to the mounting bracket. The bolt must pass through both coupling brackets and be fastened with a self-locking nut.
5. Working from a stable platform, hang the effect machine on the truss and fasten the clamp securely.
6. Secure the machine with a safety cable as directed in next section.

Securing with a safety cable

Secure the THRILL Vertical Fogger with a safety cable or other secondary attachment that is approved for the weight of the machine so that the safety cable will hold the machine if a primary attachment fails.

Screw the supplied eyebolt securely into one the threaded sockets on the top or side. Clip the safety cable to the eyebolt, loop it around a secure anchoring point, and secure the free end. Do not loop the safety cable around the machine’s mounting bracket only, as this will leave the machine unsupported if it separates from the bracket. See illustration below.

Do not use any other eyebolt than the one supplied. Using an eyebolt with a length in excess of 15 mm (0.60 in.) may cause damage to the machine. If the eyebolt is missing, contact Martin Professional service and support for assistance.

AC power

For protection from electric shock, the machine must be grounded (earthed). The power distribution circuit must be equipped with a fuse or circuit breaker and ground-fault (earth-fault) protection.

Before connecting the machine to power, check that the AC mains supply is adequately dimensioned for the current draw of all connected devices and that the local AC mains voltage is within the range indicated on the machine’s rear panel. If your AC mains voltage is outside the specified range, do not use the machine.

To apply power, plug the AC mains power cable (included) into the AC power input socket and then to a suitable AC mains power outlet.

Before connecting the machine to power, check that the voltage is within the specified range. If your AC mains voltage is outside the specified range, do not use the machine.

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CAUTION! The wireless controller is a radio transmitter and receiver operating at 433MHz, and the internal antenna sends out and receives radio frequency (RF) energy. Changes or modifications made by the user could void the user’s authority to operate the equipment. Personal medical devices such as pacemakers, hearing aids, etc. are shielded from RF energy, but RF energy may affect electronic equipment. The wireless controller must be kept clean and dry to avoid damage to the internal circuitry.

FCC Compliance

This device complies with Part 15, Class B, of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Canadian Interference-Causing Equipment Regulations - Règlement sur le Matériel Brouilleur du Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada.

Disposing of this product

Thrill Vertical Fogger is a radio transmitter and receiver, which is a radio device under Directive 2014/53/EU of the European Parliament and of the Council of the European Union on WEEE (Waste Electrical and Electronic Equipment), where applicable. Helps preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of THRILL by Martin! products.

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