

# User Manual

## ORION Fog Machine [ORFOG1000]

### Introduction

The ORFOG1000 Fog Machine is a high-powered portable fogger suitable for dances, concerts, nightclubs, and parties. It can be easily controlled with the included wired Remote Controller, or with the optional wireless Remote Controller and Remote Timer.

### Specifications

- Voltage: 120V/60Hz, 230V/50Hz
- Fuse: 125V/10A, 250V/5A
- Power: 1000W
- Warm-up time: 5 minutes
- Fog output: 15,000 cubic feet/minute
- Spray distance: 5 metres
- Tank capacity: 1.5 liters
- Size: L415mm x W217mm x H145mm
- Weight: 8 kg

### Controllers

**Included:** ON/OFF Remote Controller with 10-meter cable

**Optional:**

- Wireless ON/OFF Remote Controller – two-band transmitter with a 30 metre range.
- Remote Timer with 10-metre cable (manual or continuous output)

### Warnings

Please follow these operation, safety and maintenance instructions to ensure a long and safe life for your fog machine.

**Electric shock danger**

- Keep this device dry.
- For indoors only. Not designed for outdoor use.
- Use a grounded electric outlet with the correct voltage supply.
- Always unplug the fog machine before filling the tank.
- Locate on a flat, even surface.
- Turn off or unplug when not in use.
- This fixture is not waterproof. If water or fog liquid gets inside the housing, unplug the unit and consult a service technician.
- The fog machine has no serviceable parts inside. Always consult a qualified technician for service and repair.

## **Burn warning**

- For adult use only – install the fog machine out of the reach of children. Never leave the unit operating unattended.
- Never aim the output nozzle directly at people.
- The fog output is very hot. Avoid coming within 50 cm. of the output nozzle during operation.
- Locate the fog machine in a well-ventilated area. Never cover the unit's vents. In order to guarantee adequate ventilation, allow free air space of at least 20 cm. around the sides and top of the unit.
- Never aim the output nozzle at an open flame.
- The output nozzle gets very hot during operation (300 degrees C). Keep flammable materials at least 1 metre away from the nozzle.
- Always allow your fog machine to cool down before attempting to clean or service it.

## **Danger of explosion**

- Never add flammable liquids of any kind (oil, gas, perfume) to the fog liquid. Pay attention to all warning labels and instructions printed on the exterior of your fog machine.
- Use only the high-quality, water-based fog liquid that your dealer recommends. Other fog liquids may cause clogging or spitting.
- Always make sure there is sufficient liquid in the fog liquid tank. Operating this unit without liquid will cause damage to the pump as well as over-heating.
- In case of malfunction, discontinue use immediately. Drain all fog liquid from the tank, pack the unit securely (preferably in the original packing material), and return it to your dealer for service.
- Always drain the tank before shipping or transportation.
- Never drink fog liquid. If it is ingested, call a doctor immediately. If fog liquid comes in contact with skin or eyes rinse thoroughly with water.

## **Unpacking and Setup**

Open the shipping carton and verify that all equipment necessary to operate the system has arrived intact and undamaged. If anything is broken or missing, please contact your dealer.

- Remove all packing materials from the shipping box. Ensure that any foam and plastic padding is removed, especially in the nozzle area.
- Place the fog machine on a flat surface and remove the fog tank cap.
- Fill with only with dealer-recommended high-quality fog liquid. Any other type of fluid can damage the unit.
- Place the cap back on the liquid tank.
- Attach the Remote Controller cable to the controller input on the back of the machine.

## Operating Instructions

- Plug the power cord into a grounded A/C electric outlet. (If necessary, turn the power switch on the rear of the fog machine to position 1.)
- Warm-up is complete when the green lamp lights up on the Remote Controller.
- To release fog, press the button on the Remote for the desired length of time.
- The light on the Remote lamp will cycle on and off as the machine re-heats to the proper operating temperature.
- The fog machine can be placed at floor level or mounted overhead with a bracket. If the unit is to be suspended with a bracket, ensure that fog does not spray directly at anyone.
- Regardless of how the unit is installed, it should not be tilted at a greater than 15 degree angle.

**Important:** Always monitor the tank fluid level while fogging – running the fog machine with no fluid can permanently damage the unit.

If you experience low output or loud pump noise, immediately unplug the fogger. Check the fluid level, the external fuse, Remote Controller connection, and A/C power plug.

If everything appears to be O.K., plug the unit in again. If fog is not released after holding the Remote button down for 30 seconds, check the hose attached to the tank to make sure there is fluid going through the hose. If you are unable to determine the cause of the problem, do not continue to push the button on the Remote as this may damage the unit. Return the fogger to your dealer for servicing.

## Cleaning and Maintenance

**Cleaning your fog machine regularly will help reduce costly parts replacement and repair.**

Do not allow the fog liquid to become contaminated. Always replace the cap on the fog liquid container and the fog machine tank immediately after filling.

All fog machines are prone to clogging due to the thick consistency of fog fluid and the high temperature at which it vaporizes. However, a properly maintained fog machine should provide years of reliable use.

After every 40 hours of continuous operation run a cleaning solution composed of 80% distilled water and 20% white vinegar through the system to prevent accumulation of particulate matter in the heating element.

1. Unplug the fogger and make sure it has cooled down.
2. Unscrew the spray nozzle on the front of unit and clean out any debris with vinegar cleaning solution and a pipe cleaner to ensure it isn't clogged.
3. Empty all fog fluid from machine. Fill the tank with vinegar cleaning solution.
4. Turn on and run the fogger in a well-ventilated area until the tank is empty.
5. Replace nozzle.