STARSHINE LIGHTS

MODEL E13

1500W RGB

FOG MACHINE

Professional User Manual

Safety | Installation | Operation | Maintenance | Service



PRODUCT APPEARANCE MAY VARY BY PRODUCTION BATCH.

1500 W	2 L	6 x 3 W	4 m
RATED POWER	FLUID TANK	RGB LEDs	LISTED OUTPUT DISTANCE

IMPORTANT - HOT SURFACES & FOG OUTLET

For indoor use only. Keep the fog outlet clear, avoid direct contact with hot metal surfaces, and maintain at least 1 m separation from people and combustible materials around the output area.

Manual Scope & Contents

Readandretainthese instructionsbeforeinstallingoroperating the E13 1500W fog machine. Keep this manual accessible to users and service personnel.

READ BEFORE USE
Fog machines combine mains electricity, high-temperature heating components and pressurized fog discharge. Only trained, responsible operators should set up the machine. If the equipment is damaged or behaves unusually, disconnect power and obtain qualified service.

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Model information. Specifications are based on the available E13 technical reference. The power label and markings on your particular unit take precedence where production variants differ.

01

Safety Instructions

Readthese requirementsbefore everyuse.Careless handling can cause burns, electric shock, spills, equipment damage or unwanted fog exposure.

WARNING - HOT FOG OUTLET
The heating assembly and discharge nozzle become extremely hot. Never touch the outlet during operation or until fully cooled. Keep an unobstructed zone of at least 1 m around the discharge path, away from people and combustible items.

Electrical safety

- Useonlythe voltage printed on the machine rating label. Separate 110-130 V and 220-230 V versions are listed; never assume the unit automatically accepts both.
- Plug into a correctly grounded, suitably rated mains outlet. Do not use damaged plugs, cables or connectors.
- Disconnect mains power before filling, cleaning, relocating or inspecting the equipment. Never open the housing while connected.

Fluid, heat and operating location

- Indoor use only. TheE13isnotspecifiedas waterproof. Keep liquids away from electrical parts; do not expose the unit to rain, splashing or excessive humidity.
- Place the fog machine on a firm, horizontal and stable surface. Do not suspend, tilt, turn upside down or block the ventilation openings.
- Fill only with compatible, high-quality fog fluid approved for the equipment. Never run the pump with an empty tank.
- Use in adequately ventilated spaces and keep the fog plume away from faces, ventilation intakes and locations where reduced visibility could create a hazard.
- Do not operate unattended. Stop use immediately if abnormal noise, overheating, leakage, burning smell or electrical faults occur.

OPERATOR RESPONSIBILITY
Follow venue rules, fire-alarm procedures and applicable local requirements. Fog output can activate smoke detectors or limit visibility; coordinate use with the venue before operating.

02

Product Overview

TheE13isamains-powered1500Wtheatrical fog machine with integrated RGB LED illumination and wired/wireless remote-control options.



Illustrative product image. Switches, indicators and connectors may vary by production version.

Functional overview

HEATER & FOG OUTPUT

A 1500W heating system prepares compatible fog fluid for visible atmospheric output.

RGB ILLUMINATION

Six RGB LEDs rated at 3W each provide integrated color-lighting capability.

2 L FLUID RESERVOIR

An onboard reservoir supplies the fog system; check the level before and during use.

REMOTE ACTIVATION

Supports wireless and wired control with listed 10 m and 3 m reaches.

CONTROL IDENTIFICATION

Connect the controller to the designated INPUT port. Refer to the markings on your machine and supplied controller for the exact button functions and lighting controls.

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Technical Specifications

ReferencespecificationsforModelE13.Checktheelectrical rating label on the individual machine before use.

PARAMETER	E13 REFERENCE SPECIFICATION
Model	E13
Product type	1500W fog / smoke machine with RGB LED lighting
Rated power	1500 W
Supply voltage variants	AC 110-130 V or AC 220-230 V, 50/60 Hz (check individual rating label)
Initial warm-up time	Approximately 6 minutes (listed technical value)
Listed fog output distance	4 m
LED system	6 x 3 W RGB LEDs
Fluid tank capacity	2 L
Wireless remote range	Up to 10 m (listed)
Wired controller cable length	3 m (listed)
Package dimensions	52 x 31 x 23.5 cm
Listed weight	6.3 kg
Installation environment	Dry indoor use
Mounting orientation	Level, upright placement; hanging / tilted use not recommended

VOLTAGE VARIANTS - DO NOT ASSUME AUTO-SWITCHING
The E13 is supplied in voltage variants. A machine labeled for one voltage range must not be connected to the other range. Always check the exact nameplate rating before use.

INTERPRETATION OF FIGURES
Fog distance, heat-up duration and wireless control range are typical reference values rather than guaranteed performance under every venue condition. Results may vary with the fluid, environment and machine condition.

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Installation & Pre-Use Checks

Inspect,positionandfill the machinebefore connectingmainspower.A careful setup helps avoid empty-pump operation and unexpected hot fog discharge.

01 **Unpack and inspect**
Remove shipping material. Check the housing, power lead, outlet, tank and supplied controller for damage. Do not use a damaged unit.

02 **Choose a safe location**
Place the E13 upright on a rigid, level indoor surface. Leave open space for ventilation and at least 1 m clearance near the hot fog discharge.

03 **Check the tank**
With the device unplugged and cool, open the reservoir and add suitable, high-quality fog fluid. Avoid overfilling or spilling liquid into the chassis.

04 **Connect the controller**
Insert the wired remote/controller into the rear connector marked INPUT, if included. For wireless use, follow the identification markings supplied with that remote.

05 **Verify electrical supply**
Confirm the nameplate voltage, power-cable condition and protective earth. Route cables so they cannot be tripped over or contact hot surfaces.

06 **Prepare the output zone**
Keep people, fabrics, decorations and combustible materials clear of the outlet. Confirm that fog is appropriate for the venue and alarm arrangement.

Final pre-power checklist

- [ ] Tank containssuitable fog fluid
- [ ] Unit level; discharge area unobstructed
- [ ] Correct power supply / safe grounding
- [ ] Remote connection secure
- [ ] Venue ventilation and fog permission confirmed

DO NOT DRY-RUN
Do not switch on the E13 with an empty fluid reservoir or continue requesting output when the fluid is depleted. Dry operation can damage the pump.

05

Basic Operation

Follow thesequencebelow forpredictable fog production and a controlled cooldown. Thermal recovery pauses during operation are normal.

01 **Prepare the machine**
Complete the installation checklist, confirm the tank is filled and make sure no one is in the discharge path.

02 **Apply mains power**
Power the machine using the available mains switch/connection. Keep clear of the outlet as the heating system begins warming.

03 **Allow initial heating**
Allow approximately 6 minutes for initial heat-up before requesting normal fog output. Actual warm-up time may vary with operating conditions.

04 **Activate fog output**
When the heater is ready, use the supplied controller to trigger fog as required. Do not hold the output continuously beyond the unit's normal operating cycle.

05 **Allow periodic reheating**
The machine may briefly stop emitting fog while the heater recovers. Wait until it is ready to provide output again.

06 **Shut down safely**
Stop fog output, switch off and unplug the device after use. Allow it to cool fully before moving, draining or cleaning it.

WHAT TO EXPECT DURING A SHOW
Visible output depends on fluid condition, heating readiness and the surrounding air. Short pauses do not necessarily indicate a defect. If output is weak or stops, first check the fluid level and let the unit recover before taking further action.

NEVER TOUCH THE NOZZLE
The metal fog outlet can remain hot after switching off. Avoid adjusting position or packing the device until it has fully cooled.

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Remote Control & RGB Lighting

Controlfogoutputusingthesuppliedremote.Buttonsandindicatorarrangements may vary between controller versions.

WIRELESS REMOTE

Listed control distance: up to 10 m.

Use in line with the supplied controller markings. Actual range may be reduced by walls, obstructions, interference or battery condition.

WIRED CONTROLLER

Listed cable length: 3 m.

Connect to the machine's designated rear INPUT interface before use. Route the cable away from hot parts and pedestrian traffic.

Using fog activation controls

- Identifythe fog activationcontrolon the included remote. Do not assume that button placement or labels are identical on all E13 batches.
- Keep the output direction in sight whenever operating remotely. Never activate fog toward people at close range.
- If the controller has no effect, first confirm the connector or wireless controller condition, correct operating temperature and sufficient fluid level.

RGB LED lighting

TheE13 specification lists six RGB LEDs at 3 W each for integrated illumination. Refer to the markings on the supplied controller for available lighting adjustments. Unmarked or undocumented control functions should not be assumed.

REMOTE-CONTROL RANGE IS INDICATIVE
The 10 m value is a reference figure, not a safety boundary. Maintain a clear view of the fog outlet, and prevent unintentional activation where people may be close to the machine.

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Fluid & Preventive Maintenance

Use compatible fogfluid andkeepthemachineclean.Safemaintenanceprotects the heating assembly, fluid pump and controller connections.

Fluid handling

- Useonly high-quality fog fluid compatible with this machine. Do not add fragrances, fuel, household oils or unknown mixtures.
- Check tank level before each use and periodically during operation. An empty tank may damage the pump.
- Keep the reservoir cap closed during use and wipe external spills promptly with power disconnected.

Recommended maintenance schedule

INTERVAL	CHECK / ACTION
Before every use	Check fluid level, mains cable, outlet clearance, controller and stability.
After every use	Switch off, unplug, cool, clean external residue and inspect for leakage.
Periodically	Inspect air openings, power cable and controller connector; remove external dust.
When performance declines	Contact qualified service for a compatible fluid-system cleaning procedure.

Cleaning procedure - safe approach

- Unplugandallow theheating blockandnozzle to cool completely before any maintenance.
- Clean the exterior with a soft, slightly damp cloth only; do not spray water into vents, sockets or the fog outlet.
- Use only cleaning products and circulation procedures specifically approved for the installed pump and heater. Do not open the unit unless authorized and qualified.

IMPORTANT CLEANING CLARIFICATION
Do not flush the pump with homemade acidic mixtures, vinegar solutions or unverified cleaning chemicals. Request a model-compatible cleaning fluid and procedure from authorized technical support.

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Troubleshooting

Usethesebasic checks onlyafter ensuring the machine is in a safe condition. Internal electrical and heating repairs must be performed by qualified personnel.

SYMPTOM	SAFE CHECK / RESPONSE
No power / no heating	Check rated supply voltage, mains connection, power switch and cable. Disconnect if the cable or plug is damaged.
No fog on first start	Allow up to approximately 6 minutes for warm-up. Check tank level and controller connection.
Fog stops intermittently	Allow the heater to recover before requesting further output.
Weak or inconsistent fog	Check fluid level and compatibility. Inspect for visible leakage or contamination; consult service if unresolved.
Wireless remote not responding	Move closer, remove obstructions and inspect the remote battery if the supplied design uses one.
Wired remote not responding	Confirm the plug is fully seated in the designated INPUT port; inspect cable for damage.
Unexpected noise / burning smell	Stop output immediately, switch off, unplug when safe and contact a qualified technician.
Fluid leaking into electrical areas	Do not energize. Disconnect power if safe and arrange professional inspection before further use.

DO NOT BYPASS SAFEGUARDS

Never short-circuit controls, defeat thermal protection or run the unit with the cover removed. Do not probe live electrical parts or attempt repairs to the heater, pump or mains circuitry.

WHEN TO CONTACT SUPPORT

Provide the model (E13), machine nameplate voltage, serial number (if present), observed symptom, controller type and purchase details. A short video of the issue can help support staff identify the cause.

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Storage, Transport & Good Practice

Protect thefogmachinefromimpacts,fluidingressandunsafeoperatingenvironments throughout its service life.

After-use and storage procedure

01 **Stop and isolate**
Stopfogoutput,switchoffpowerand disconnect the cable after the machine is safe to handle.

02 **Cool completely**
Do not cover, pack or touch the outlet until residual heat has dissipated.

03 **Secure the fluid system**
Keep the cap firmly closed and store the unit upright. Follow local guidance for storage of unused fog fluid.

04 **Choose a dry location**
Store indoors in a clean, dry location away from moisture, dust, direct heat and accidental impact.

Venue operation notes

- Confirmuseof artificialfogwith the venue or event manager, including alarm-system procedures.
- Use adequate ventilation, avoid excessive density and preserve clear exit paths.
- Avoid pointing the outlet at spectators, electrical installations, fixtures or decorations.
- Control the machine actively: reduce or stop output immediately if visibility, comfort or site safety deteriorates.

SPECIFICATIONS AND CLAIMS NOT ESTABLISHED
Operate only in dry indoor locations and use the power supply stated on the individual rating label. Controller layouts can vary by version; do not rely on features or modes not identified on the machine or its supplied controls.

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Service, Warranty & Records

Keep thispage with the productandretainapurchaseinvoice.Forrepairs, identify the machine as Model E13 - 1500W RGB Fog Machine.

Service & technical support

STARSHINE LIGHTS

Website	www.starshinelights.com
Email	sales@starshinelights.com

Warranty information

Warranty coverage and duration are governed by your seller agreement, purchase invoice and any separate E13 warranty certificate. Retain those documents when requesting a repair or replacement.

Product identification

Serial number / batch: _____

Purchase date: _____

Purchased from: _____

Maintenance and service log

DATE	SERVICE / FAULT / ACTION	TECHNICIAN

RETAIN THIS MANUAL

Keep a copy of the manual and your service history for future installation and maintenance. If you receive a newer model-specific document from the supplier, follow the revised manufacturer instructions.