

The Ember

Setup Guide

The Ember arrives assembled, with the heat tube collapsed into the base. This guide covers everything between the carton and the first lighting: unpacking, the setup steps, connecting the gas supply and the leak check.

Model	Ember
SKU	LHI-EMBER
Configuration	Assembled, collapsed for shipping

WARNING

- Read this guide and the Use & Care Guide in full before assembling or operating the appliance.
- Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death.

DANGER

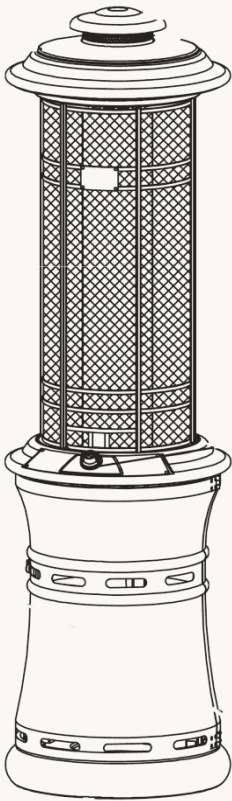
- If you smell gas
- Shut off gas to the appliance.
 - Extinguish any open flame.
 - If odor continues, keep away from the appliance and immediately call your gas supplier or fire department.

Before You Begin

This appliance requires installation by a competent person; proper assembly is the responsibility of the installer. Steps 1 to 3 raise the heat tube, steps 4 to 6 fit the knob, battery and cylinder.

Package contents

The Ember arrives assembled with the heat tube collapsed into the base. A hinged door gives access to the cylinder; the dome keeps water out of the combustion zone and reflects heat down; the safety guard protects the full height of the heat tube; integrated wheels let you move it. If any part is missing or damaged, do not operate the heater — contact Lava Heat



Ref	Part	Qty
	Heater, assembled and collapsed	1
	Chimney cover	1
	Gas hose and regulator (fitted)	1

No tools are required. One AA battery (1.5 V) is needed for the igniter and is not supplied.

Hardware supplied

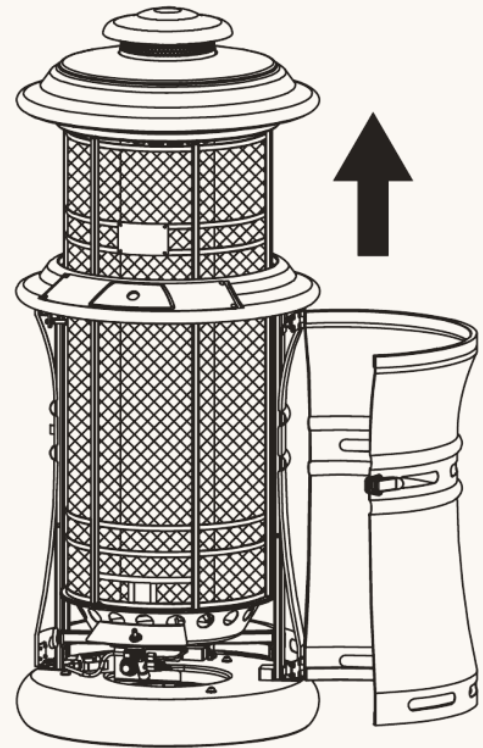
Ref	Item	Qty
—	Control knob	1
—	M6 × 35 mm thumb screw	1
—	M6 × 12 mm thumb screw	1

Setup

I

Raise the dome

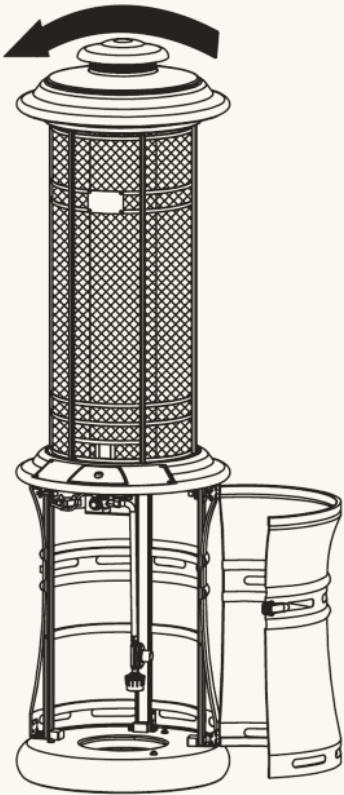
Partially open the gas chamber door. Carefully lift the dome until the entire heat exchange tube is exposed.



2

Lock the tube

With the heat exchange tube fully extended, rotate it counter-clockwise until it stops.



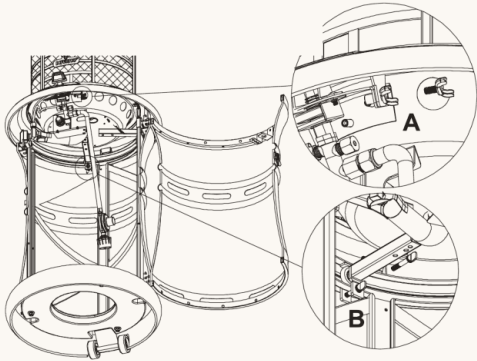
3

Fit the thumb screws

Insert the M6 × 35 mm thumb screw into hole A and the M6 × 12 mm thumb screw into hole B. Tighten both screws to lock the tube in place.

HARDWARE AND TOOLS

M6 × 35 mm thumb screw	× 1
M6 × 12 mm thumb screw	× 1



4

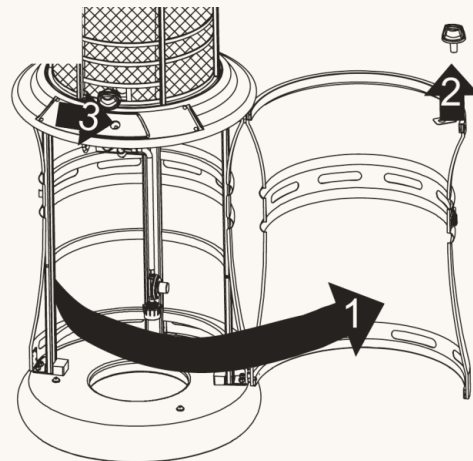
Fit the control knob

Fully open the gas chamber door. Remove the control knob from the door and press it onto the control stem.

HARDWARE AND TOOLS

Control knob

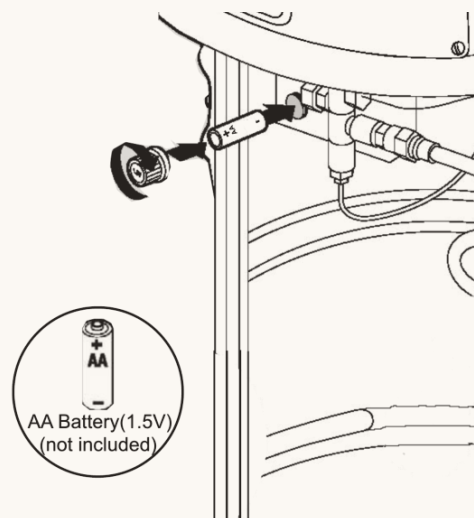
× 1



5

Install the battery

Unscrew the igniter cap below the control panel, insert one AA battery (1.5 V) with the polarity shown, and refit the cap.

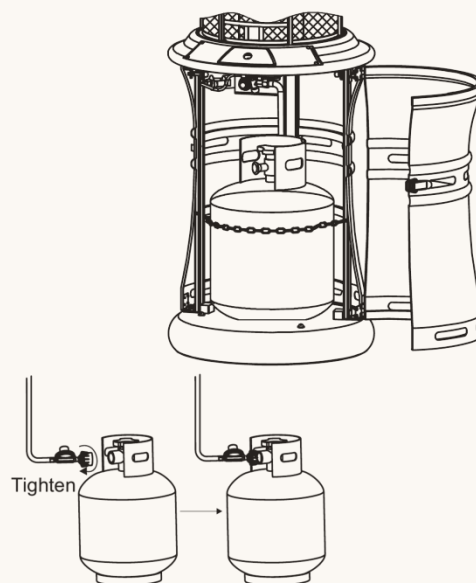


6

Install the cylinder

Place a standard 20 lb propane cylinder (not supplied) in the base and secure it with the fixing chain.

Attach the regulator to the cylinder, turning clockwise to tighten securely, then close the door. Perform the leak check before lighting, and again whenever the cylinder is replaced.



Connect the Gas Supply

Complete the assembly before connecting gas. Never connect an unregulated cylinder to this heater. Use a standard 20 lb propane cylinder only, with a vapor-withdrawal supply system; the cylinder is sold separately. The pressure regulator and hose assembly supplied with the appliance must be used.

Cylinder requirements

- Constructed and marked per U.S. DOT specifications for LP-gas cylinders or, in Canada, CAN/CSA-B339.
- Fitted with a listed overfilling prevention device (OPD), a collar protecting the cylinder valve, and a connection compatible with the supplied regulator.
- Never use a dented, rusted or damaged cylinder. Never fill a cylinder beyond 80 percent full.
- Replace the dust cap on the valve outlet whenever the cylinder is not in use. Never store a spare cylinder under or near this appliance, or in an enclosed area.

Natural gas units

NOTICE

Professional installation only

Connection to a fixed natural gas line must be carried out by a qualified, licensed gas technician in accordance with local codes or, in their absence, ANSI Z223.1/NFPA 54 or CSA B149.1. Check the rating plate to confirm the fuel before connecting any supply.

- Natural gas units operate at 4–7 in W.C. The supply line must be sized for the total BTU load of every appliance on it, never smaller than $\frac{3}{4}$ " inside diameter.
- A manual gas shut-off valve must be installed in an easily accessible location.
- Natural gas units ship with a 10 ft quick-connect hose. Never connect a gas line directly to the heater without the pressure regulator supplied.

Leak Check

Carry out this check now, whenever a cylinder is changed, and any time a gas connection has been loosened or removed.

Step	Action
1	Mix 2–3 oz of leak-check solution — one part liquid dish detergent to three parts water.
2	Make sure all heater valves are OFF.
3	Apply the solution to the hose-to-regulator joint, the regulator-to-cylinder joint, and every other hose and valve connection.
4	Turn the cylinder valve ON and watch each joint.
5	Bubbles mean a leak: turn the cylinder valve OFF, tighten or reconnect, and test again. If bubbles continue at the hose, contact Lava Heat Italia for a replacement.

 WARNING

- Perform all leak tests outdoors, with all open flames extinguished. Never leak-test while smoking, and never use a flame to check for leaks.
- Do not use the heater until every connection has been leak tested and does not leak.

First Lighting

This heater is equipped with a pilot light that allows for safer startups and shutdowns.

Lighting

Step	Action
1	Make sure the control knob is in the OFF position and fully open the cylinder valve.
2	Depress the control knob and turn it counter-clockwise to IGNITE.
3	Keep the knob depressed for 30 seconds while the igniter pulses.
4	Release the knob and turn it to adjust the heat between LOW and HIGH.
5	If the pilot does not light, turn the knob to OFF and wait 5 minutes for gas to dissipate, then repeat steps 2 to 4.

Check the flame

The burner may be noisy when first lit. Turn the knob to LOW, then up to the heat you want. When lit, the emitter screen glows red and the burner shows tongues of blue flame — a little yellow is acceptable. If flames extend beyond the emitter grid, if the flame lifts or lights back, or if black spots form on the grid or reflector, turn the heater off immediately and have it serviced before using it again.

Full lighting, shut-down, care and troubleshooting instructions are in the Use & Care Guide.

Before You Walk Away

#	Confirm
1	Every component removed or fitted during setup is in place and fastened.
2	All gas connections have been leak tested and are leak-free.
3	The gas hose is routed clear of every hot surface.
4	The heater stands outdoors on a hard, level surface, outside any enclosure.
5	Clearances are met — 36" at the sides and 36" at the top, from combustible materials.
6	The heater is clear of windows, air intakes, sprinklers and other water sources.
7	The cylinder is secured and its enclosure is clear of debris.
8	A dry chemical fire extinguisher is readily available.



WARNING

- The heater is hot during and after use. Do not touch or move it for at least 45 minutes after shutdown.
- Any guard or protective device removed for servicing must be replaced before the heater is returned to service.

Do not return this product to the retailer. For missing or damaged parts, technical support or replacement parts, contact Lava Heat Italia directly.

Lava Heat Italia · Established 2001
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