RADI8
INDUSTRIES

Freestanding Infrared Heaters with LED Flame Effect

Assembly and Operating Manual



1700W / 2100W

Freestanding use only

Rotary heating control | Separate LED flame switch

Infrared Heating Supplies

infraredheatingsupplies.com

Edition 1.2 | November 2026

CONTENTS

Models and symbols	**3**
Warnings and precautions	**4**
Technical information and positioning	**7**
Minimum clearances	**9**
Standing feet assembly	**10**
Heating and LED flame controls	**11**
Troubleshooting and care	**13**
Disposal, warranty and support	**15**

Read this manual before assembly or use. Keep it with the heater for future reference and pass it to any subsequent owner.

1 MODELS AND SYMBOLS

This manual covers the following RADI8 freestanding infrared heaters with a decorative LED flame effect and rotary heating control. Check the product code and electrical rating on the heater label before use.

RADI8 product code	Rated heating power
FSH8456L1700	1700W
FSH12446L2100	2100W

Freestanding use only
Use these models freestanding on their correctly fitted standing feet. Do not mount them on a wall or ceiling.



Warning
Identifies a hazard which could cause serious injury or death.



Risk of electric shock
Electrical voltage can cause serious injury or death.



Do not cover
Do not cover the heater or place clothing, towels or other objects over it.



Hot surface
The heating surface becomes hot during use and can cause burns.

2 WARNINGS AND PRECAUTIONS

Read this manual carefully before starting or using the heater. Keep the manual in the immediate vicinity of the heater or its site of use.

Read all safety warnings and instructions. Failure to follow them may result in electric shock, fire and / or serious injury. Save all warnings and instructions for future reference.

Warning
Children aged eight and over, and people with reduced physical, sensory or mental capabilities, or a lack of experience and knowledge, may use this heater provided they are supervised or have been instructed in its safe use and understand the hazards involved.

Children must not play with the heater. Children must not carry out cleaning or user maintenance without supervision.

Warning
Keep children under three away from the heater unless they are continuously supervised.

Children aged three to seven may only switch the heater on or off if it has been correctly assembled and placed in its normal operating position, and they are supervised or have been instructed in its safe use and understand the hazards involved.

Children aged three to seven must not plug in the heater, adjust its settings, clean it or carry out user maintenance.

Hot surfaces and operating conditions

Warning
Parts of this heater can become very hot and cause burns. Take particular care when children or vulnerable people are present. The stated surface temperature is below 110°C; this is still hot enough to cause burns.

Warning
Never cover the heater. Keep curtains, clothing, bedding, paper, furniture and other combustible materials clear of the heating surface. Do not use the heater to dry clothing. See page 9 for minimum clearances.

Maximum ambient temperature
The surrounding room temperature must not exceed 30°C during use. This is an operating limit, separate from the heating control setting.

• Use indoors in a dry location. Keep the heater out of bathrooms, showers, saunas and steam rooms. Do not expose it to water or use it while wet.

• Do not use in a small room occupied by anyone who cannot leave independently, unless they are continuously supervised.

• Anyone unable to perceive heat must not use the heater without appropriate supervision and protection from hot surfaces.

• Do not use in areas containing flammable or corrosive gases or vapours, or combustible dust.

• Place securely on a suitable, level floor with both feet correctly fitted. Do not place on a raised surface, use without the feet or leave where it could be knocked over.

• Do not sit, stand or place any weight on the heater. Do not allow children or animals to play with the heater or its controls.

Electrical and operating safety

• Connect to a properly earthed 220-240V, 50Hz electricity supply. The socket and supply must be suitable for the heater’s rated power. Do not overload the socket or circuit.

• Insert the supplied 13A UK plug fully into a suitable, securely fitted mains socket. Do not use an extension lead or connect the heater to an external thermostat.

• Check the heater, feet, cable and plug before each use. Do not operate if any part is damaged or defective.

• Protect the cable from damage. Keep it clear of the heating surface, sharp edges and places where it could be trapped or create a trip hazard.

• Do not touch the heater, plug or socket with wet or damp hands. Do not spray water onto the heater or insert objects into its openings.

• Do not leave the heater operating unattended. Keep it uncovered and observe the positioning instructions.

• Switch off, unplug and allow the heater to cool completely before assembly, moving, cleaning or maintenance. Grip the plug when unplugging; never pull the cable.

• Disconnect from the electricity supply when not in use. Never drill into or modify the heater.

• Do not use if the plug or cable is damaged. A damaged cable must be replaced by an authorised service agent or suitably qualified person. Do not attempt electrical repairs yourself.

• Any electrical servicing must be carried out by a suitably qualified person with the electricity supply disconnected.

3 TECHNICAL INFORMATION

Specification	1700W model	2100W model
Product code	FSH8456L1700	FSH12446L2100
Rated heating power	1700W	2100W
LED flame power (additional)	2.2W	6.6W
Body (W × H × D)	840 × 560 × 65mm	1240 × 460 × 65mm
Assembled with feet (W × H × D)	840 × 560 × 260mm	1240 × 460 × 260mm
Weight including feet	10.2kg	12.8kg

Shared specification	Details
Heating element	Glass-ceramic + graphene carbon
Surface material	Wire mesh
Back material	Iron sheet
Supply voltage / frequency	220-240V / 50Hz
Power cable and plug	1.9m cable with 13A UK plug
IP rating	IP20. Indoor use in dry locations
Surface temperature	Below 110°C
Maximum room ambient temperature	30°C
Heating control	Rotary mechanical thermostat
Flame control	Separate LED flame ON/OFF switch
Protection	Overheat protection and tip-over cut-out
Installation	Freestanding only, on fitted feet
RADI8 warranty	3 years

Body dimensions exclude the standing feet. Assembled dimensions include the fitted feet. Allow space for the controls, cable and the minimum clearances on page 9. Refer to the rating label for the electrical details of your heater.

4 POSITIONING AND SUPPLIED PARTS

Place the heater on a suitable, stable, level floor. Keep its heating surface and openings unobstructed, and allow the minimum clearances shown on page 9.

Choose a position within reach of a suitable mains socket without stretching the cable. Route the cable so it cannot touch hot surfaces, become trapped beneath a foot or create a trip hazard.

> **Safe positioning**
> Fit both standing feet before use. Do not wall mount, ceiling mount or lean the heater against furniture or another object.

Check the supplied parts

Unpack carefully and check for transit damage. Remove packaging before switching on. Keep packaging and small parts away from children.

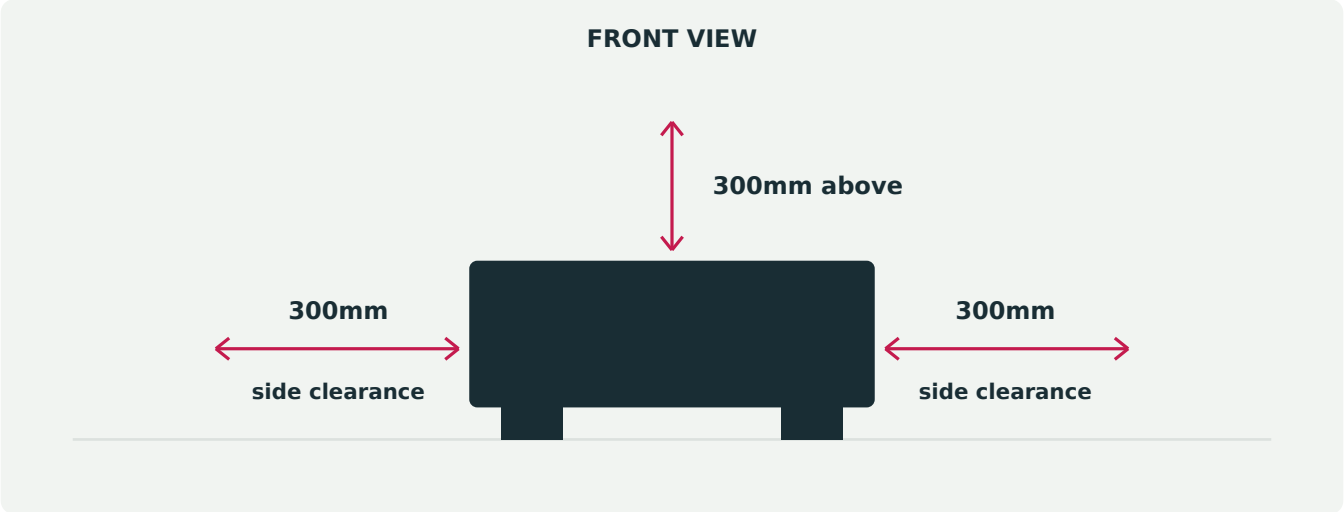
Reference	Part	Quantity
A	Heater	1
B	Instruction manual	1
H	Standing feet with underside fixings	2
I	M4 × 8mm screws for underside-fixing feet	8

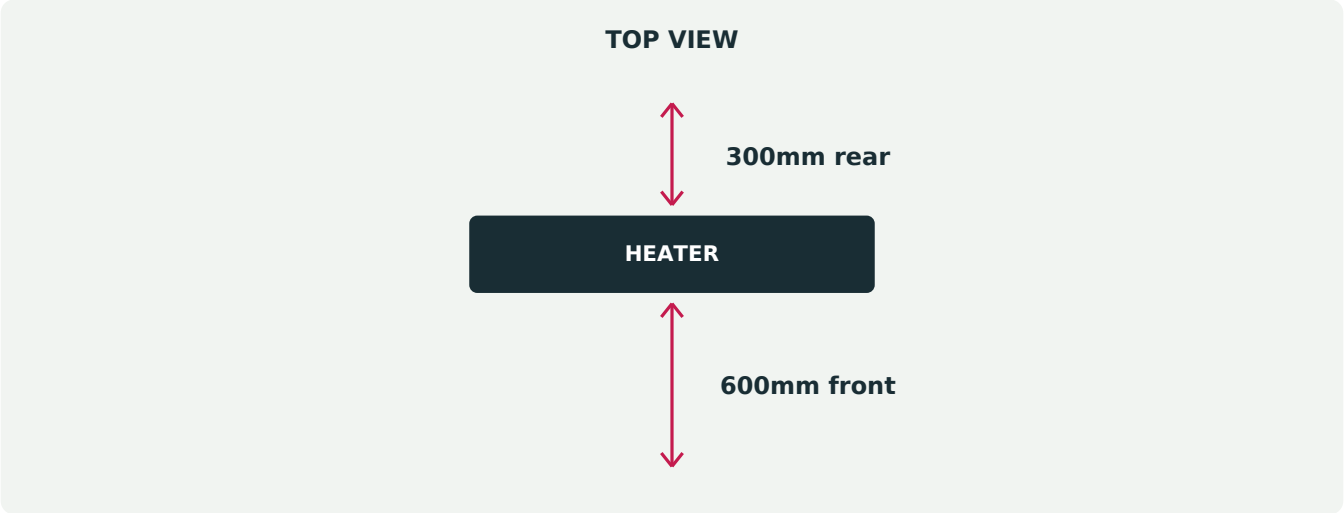
Both models use the same underside-fixing feet. Part letters match the assembly illustrations on page 10.

MINIMUM CLEARANCES

These minimum clearances apply to both models. Keep walls, furniture, curtains and other combustible materials outside the clearances shown.

Measure from the nearest outside part of the assembled heater. Keep the heater and its openings unobstructed.





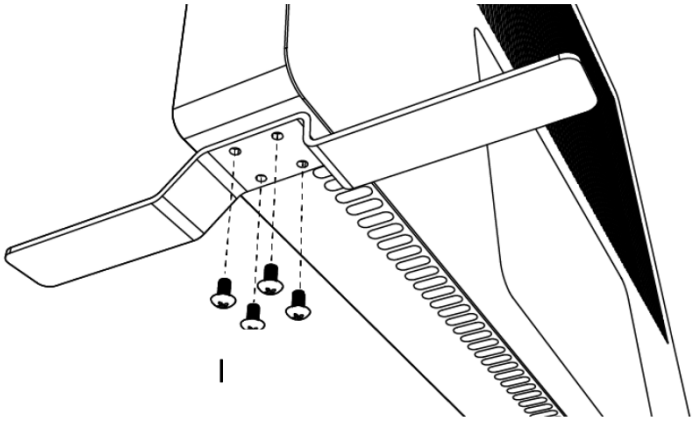
Diagrams are schematic and not to scale.

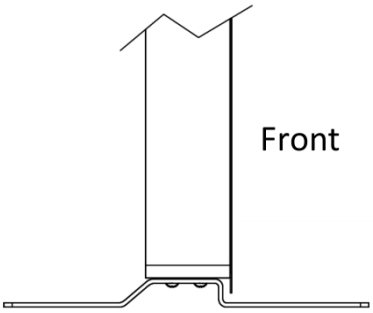
5 UNDERSIDE-FIXING STANDING FEET

Before assembly
Switch off, unplug and allow the heater to cool completely before fitting or adjusting the feet. Use the fixing points provided; never drill into the heater.

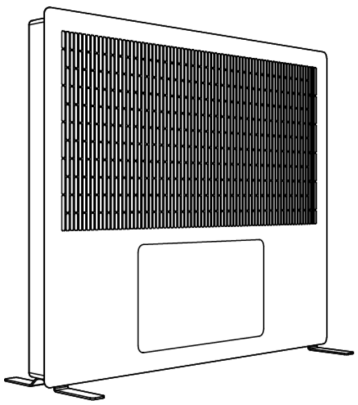
1. Position the two feet **H** against the underside mounting points, observing the front-to-back orientation shown below.

2. Secure the feet using the eight supplied **I** screws (M4 × 8mm). Tighten securely without overtightening.





3. Stand the heater upright on both feet. Check that it is stable and all screws are secure before connecting to the electricity supply.



6 HEATING AND LED FLAME CONTROLS

The main power switch, rotary mechanical thermostat and LED flame switch are on the side of the heater. Use the controls on the heater for everyday operation.

Control	Operation
Main power switch	After connecting the plug to the mains socket, switch the main power ON to enable operation. Its indicator illuminates. Switch OFF to shut down the heater.
Rotary temperature adjustment knob	Turn clockwise to increase the setting or anticlockwise to reduce it. The thermostat cycles the heating on and off and has no defined temperature-setting range. Turning the knob fully anticlockwise stops heating.
LED flame switch	Switch ON to illuminate the decorative LED flame effect. Switch OFF to extinguish the display.

Separate controls
The decorative LED flame can operate independently of the heating. Use the separate LED flame switch to control the display.

The main power switch stays illuminated while the thermostat cycles the heating off. Always switch off and unplug the heater when it is not in use.

EVERYDAY OPERATION

Before switching on

1. Check that both feet are correctly fitted, the heater stands securely and the cable and plug are undamaged.

2. Check that the heater is uncovered, its openings are clear and the minimum clearances on page 9 are maintained.

3. Connect the plug to a suitable, properly earthed mains socket. Do not use an extension lead.

Adjusting the heating

4. Switch the main power ON and turn the rotary knob clockwise to increase the temperature setting as required.

5. Turn the rotary knob anticlockwise to reduce the setting. Turning the knob fully anticlockwise stops heating.

Controlling the flame effect

6. For the flame effect without heat, switch the main power ON, turn the rotary heating knob fully anticlockwise and switch the separate LED flame switch ON. To turn off the flame effect, switch the LED flame switch OFF.

Switching off

7. Switch the main power OFF and unplug the heater when not in use. Allow it to cool completely before moving or cleaning.

Safety cut-outs

If overheat protection activates, switch off and unplug the heater. Check that its openings are clear and the required clearances are maintained. Leave it unplugged for at least 3 minutes before reconnecting. If the cut-out operates again, stop using the heater and contact RADI8.

If the heater tips over, switch off and unplug it. When it is safe to handle, return it to a stable, upright position. Check it for damage and leave it unplugged for at least 3 seconds before reconnecting. If it is damaged or the cut-out operates again, stop using it and contact RADI8.

> **Hot surface**
> Do not move the heater while operating or while hot. Do not pull it by the cable. Ensure children and vulnerable people cannot touch the hot surface.

7 TROUBLESHOOTING

Switch off, unplug and allow the heater to cool before checking its condition or feet. Do not open the casing or attempt electrical repairs.

Issue	Checks and action
Heater does not warm up	Check the plug is fully inserted, the socket has power and the main switch is ON. Turn the rotary knob clockwise to increase the setting. If the heater remains unresponsive, stop using it and arrange inspection by a suitably qualified person.
Warmth is insufficient	Check the heating surface is unobstructed and increase the rotary setting. Warmth depends on positioning and room heat loss. Do not move the heater closer to combustible materials or operate above the 30°C room ambient limit.
LED flame does not illuminate	Check the mains connection, main power switch and separate flame switch. If the display remains off, do not open the heater; arrange inspection by a suitably qualified person.
Heater rocks or feels unstable	Stop using it. When disconnected and fully cool, check that both feet are fitted in the correct orientation and all screws are secure. Place it on a suitable, level floor.
Plug or cable is damaged	Stop using and disconnect safely. Have the damaged part repaired or replaced by a suitably qualified person before further use.
Unusual smell, smoke or electrical fault	Switch off and disconnect safely. Do not restart until a suitably qualified person has inspected the heater and resolved the fault.

8 CLEANING, MAINTENANCE AND STORAGE

Before cleaning
Switch off, unplug and allow the heater to cool completely before cleaning. Never clean while warm or while connected to the electricity supply.

Cleaning

• Clean with a soft, non-abrasive cloth lightly dampened with water. Do not soak the heater or allow water to enter the casing or controls.

• Wipe with a soft, dry cloth afterwards. Allow the heater to dry completely before reconnecting or switching on.

• Do not use abrasive cleaning powders, metal polish or chlorine-based cleaners on any part of the heater.

Maintenance

• Periodically check the feet, fixings, plug and cable for damage or loosening. Carry out checks only when the heater is unplugged and fully cool.

• Do not remove the casing or attempt electrical repairs. Damaged electrical parts must be dealt with by a suitably qualified person.

Storage

• Switch off, unplug, clean and allow the heater to dry completely before storage.

• Store in a dry location protected from dust, moisture and impact. Keep the cable loosely arranged without sharp bends or strain.

• Check the heater and refit or tighten the standing feet as necessary before returning it to use.

9 DISPOSAL AND WARRANTY

Disposal

Do not dispose of this electrical heater with household waste. At the end of its service life, take it to an appropriate collection point for waste electrical and electronic equipment. Your local authority can advise on suitable recycling facilities.

Recycle packaging where facilities exist. Keep plastic bags and small packaging parts away from children.

3-year RADI8 warranty

Your RADI8 1700W or 2100W freestanding infrared heater with LED flame effect is backed by a **3-year RADI8 warranty**.

Keep your proof of purchase and the heater’s product details. For the applicable warranty terms or to raise a warranty query, contact Infrared Heating Supplies using the details on the following page.

Do not carry out unauthorised electrical repairs. Stop using a damaged or faulty heater until it has been assessed and any necessary repairs have been completed by a suitably qualified person.

Your statutory rights are not affected.

Here to help

For product support, replacement controls and documentation, contact Infrared Heating Supplies.

Infrared Heating Supplies

Unit G10A, Hartford House
Weston Street
Bolton
BL3 2AW

01204 520544

infraredheatingsupplies.com

info@infraredheatingsupplies.com

Please have your product code, order details and a photograph of the label or remote control available when contacting us.