

SUPAHEAT II

Indoor Room Heater

Instruction Manual



IMPORTANT

Read these instructions carefully to familiarise yourself with the appliance before using.
Keep these instructions safely for future reference.

BROMIC.COM
☎ 1300 276 642

A member of the Bromic Group

COMP732-1 (Natural Gas)
& COMP731-1 (LPG)
COMP731-1-NZ (ULP)

Version 4

CONTENTS

1. Product Features & Parts	03
2. Safety Information	04
3. General Warnings	05
4. Technical Specifications	06
5. Installation Requirements	07
6. Installation Instructions	08
7. Operating instructions	09
8. Maintenance	11
9. Troubleshooting	12
10. Warranty	13
11. Important Points	14

A

⚠ WARNING:

THE CORRECT GAS MUST BE USED!

Confirm required gas type by checking the markings on the back of the appliance. This should indicate either Natural Gas or LPG (Propane Gas). Make sure the gas supply is the same as the gas type marking. If the gas type is incorrect for any reason, contact your place of purchase.

Note: COMP731-1-NZ is approved for ULP

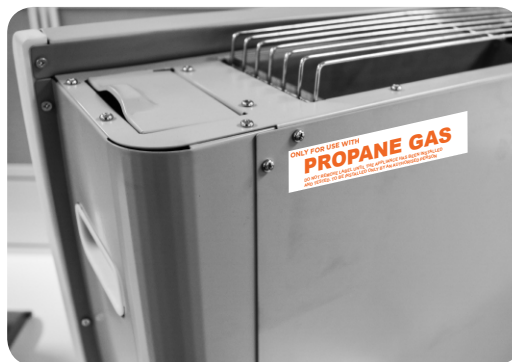


Code: COMP732-1

ONLY FOR USE WITH

NATURAL GAS

DO NOT REMOVE THIS LABEL UNTIL THE APPLIANCE HAS BEEN INSTALLED AND TESTED. TO BE INSTALLED ONLY BY AN AUTHORISED PERSON.



Code: COMP731-1

ONLY FOR USE WITH

PROPANE GAS

DO NOT REMOVE LABEL UNTIL THE APPLIANCE HAS BEEN INSTALLED AND TESTED. TO BE INSTALLED ONLY BY AN AUTHORISED PERSON

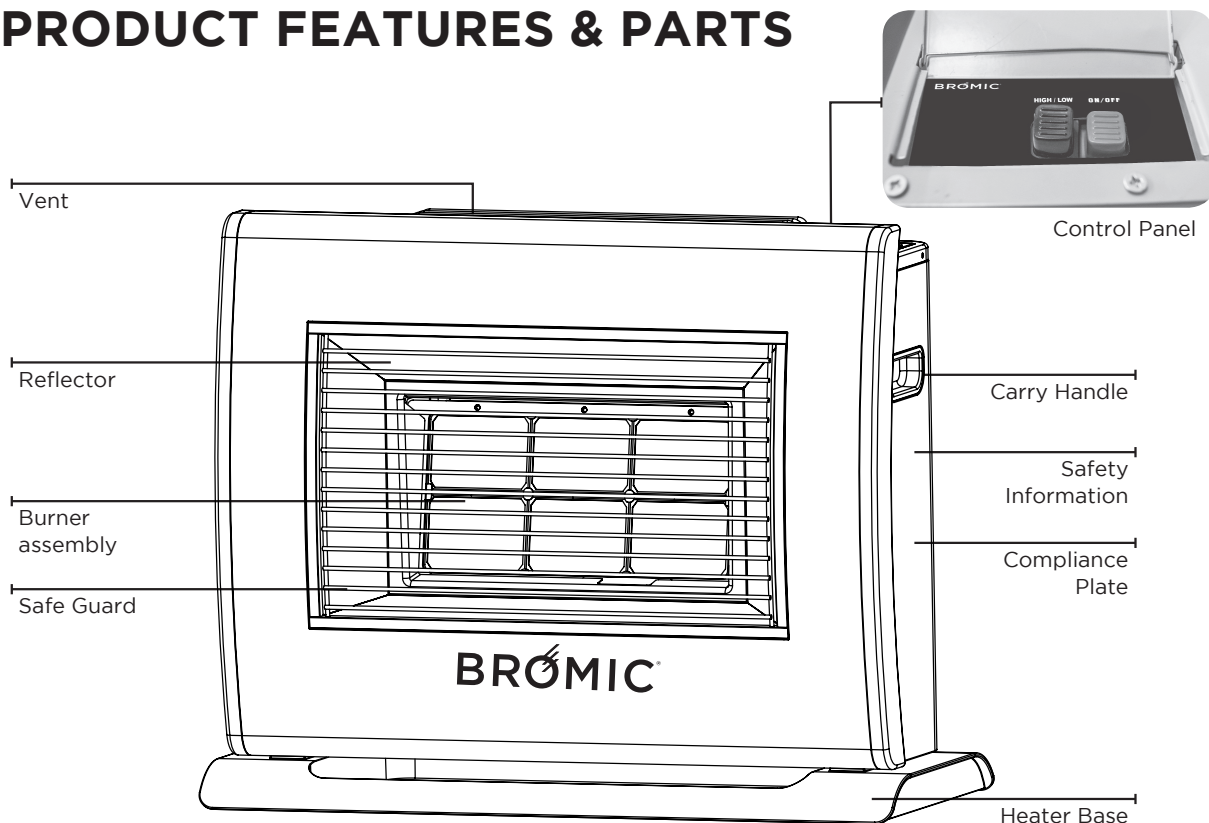


IMPORTANT:

Room volume must be a minimum of 105 cubic metres

(Note: this is typically a room size of approx. 8m x 6m x 2.4m ceiling height).

1. PRODUCT FEATURES & PARTS



- ODS Safety Device**
 This heater has a pilot with an oxygen depletion sensor shut-off system (ODS). The ODS pilot shuts off the heater if the normal air oxygen content in the room is reduced below a safe level.
- Electronic Ignition System**
 This heater has a one-touch electronic ignitor. This system requires no matches or other electric sources to light the heater. The ignition system requires a “C” size 1.5V battery to operate.
- Flame Failure Safety Device**
 If the flame is extinguished for any reason, the gas supply will shut off automatically.
- Safety Tilt Switch**
 If the heater is tilted or knocked over, the heater turns off automatically.



Igniter Battery



Easy-connect
gas hose

2. SAFETY INFORMATION

B



WARNING:

- This appliance must not be connected directly to a gas cylinder
- If the information in this manual is not followed exactly, a fire or explosion may result, causing property damage, personal injury, and/or loss of life

Please read this manual before installing and using the heater.

NOTE: The hose assembly inlet (male bayonet) on this heater **MUST BE** connected only to an certified approved female floor socket rated to 7kPa. If your house does not have an certified approved female floor socket, contact your gas company or an authorised gas fitter to install an certified approved female floor socket.

- **DO NOT** store or use petroleum or other flammable vapours and liquids in the vicinity of this or any other gas appliance.
- **DO NOT** use this appliance if any part has been under water. Immediately call a qualified service technician to check and service the heater if this occurs.
- **What to do if you smell gas**
 - » Turn off gas supply immediately
 - » **DO NOT** try to light any appliance
 - » **DO NOT** touch any electric switch
 - » **DO NOT** use any phone in your building
 - » **DO NOT** use any electrical appliance
 - » **Immediately** call your gas company from a phone outside the house and follow the gas company's instructions.
- If your gas company cannot be contacted, call the fire department.
- **NOT TO BE CONNECTED TO AN LPG GAS CYLINDER LOCATED INDOORS.**
- **COMP731-1 & COMP732-1 & COMP731-1-NZ NOT TO BE INSTALLED IN THE STATE OF VICTORIA.**
- **COMP731-1 (LPG) NOT TO BE INSTALLED IN SOUTH AUSTRALIA.**
- **EMISSION CLASS 2 APPLIANCE.**

**PLEASE RETAIN THIS MANUAL
FOR FUTURE REFERENCE**

3. GENERAL WARNINGS

C



IMPORTANT:

- **Read this manual completely and carefully before connecting to a gas supply and operating this heater. Improper use of this heater can cause serious injury or even death from burns, fire, explosion, and/or carbon monoxide poisoning.**
- **ALL PEOPLE ARE AFFECTED BY CARBON MONOXIDE. CARBON MONOXIDE IS ODOURLESS AND POISONOUS.**
- Early signs of carbon monoxide poisoning are similar to symptoms of the flu, such as headaches, dizziness, and nausea. If you notice these symptoms, the heater may not be working properly. **Get fresh air immediately.** Switch off the heater and disconnect the gas supply. The heater must be serviced by an authorised person before being used again.
- Ensure proper installation and servicing of the heater. Follow the installation & operation instructions provided with this product. The male bayonet is only to be inserted into an certified approved female floor socket.

C



WARNING:

THE CORRECT GAS MUST BE USED. SEE PAGE 2 FOR DETAILS.

- **Conversion of this appliance to another gas type is not permitted.**
- The heater is only to be serviced by an authorised service technician.
- Never use Natural Gas in an appliance designed for Liquefied Petroleum Gas (LPG Propane).
- Never use LPG in an appliance designed for Natural Gas.
- Contact an authorised gas fitter to check all joints and connections for gas leaks.
- This heater must not be located where it could be subjected to physical damage.
- This heater must not be installed in a bathroom, bedroom, hallway, or recessed fireplace.
- Never install the heater in any of the following locations:
 - » Recreational vehicles, caravans or marine crafts.
 - » Where curtains, furniture, clothing or other combustible materials are less than 150cm from the front, 150cm from top or 50cm from sides of the heater.
 - » High-traffic or drafty areas.
- This heater needs fresh air for ventilation to operate properly. This heater has an Oxygen Depletion Sensor (ODS) pilot light safety system. The ODS turns the heater off automatically if there is not enough fresh air/oxygen available.
- Never use the heater in a confined space.
- If heater turns off by itself, do not relight until you provide fresh air. If heater continues to turn off by itself, have the heater serviced by an authorised technician.
- Do not use the heater where:
 - » Flammable liquids or vapours are used or stored nearby.
 - » Dusty conditions exist.
 - » Never place any objects on the heater.

3. GENERAL WARNINGS (CONT...)

- Ensure the heater is placed on a hearth or a suitable fire proof mat/floor to stop potential blistering of the floor.
- Supervise children when they are in the same room as the heater, & never allow them to sit, stand, or play on or around the heater.
- Make sure all grills and guards are properly in place before operating the heater.
- **DO NOT** use this appliance if any part has been under water. Immediately call a qualified service technician to check and service the heater.
- Keep area around heater clear and free from combustible materials, petrol, and other flammable vapours and liquids.
- Turn the heater off and let it cool before cleaning.
- Only an authorised person should service and repair the heater.

4. TECHNICAL SPECIFICATIONS

Name:	Supaheat II		
Dimensions (W x D x H):	620mm x 280mm x 530mm		
Net Weight (kg):	11kg		
Gas Type:	LPG	Natural Gas	ULP
Model Number:	COMP731-1	COMP732-1	COMP731-1-NZ
Heat Output:	21Mj / hr	18Mj / hr	17Mj / hr
Inlet Pressure:	2.75kPa	1kPa	2.75kPa
Pilot Injector (mm):	0.22 mm	0.33 mm	0.22 mm
Main burner injector (mm):	0.9 mm	1.40 mm	0.8 mm
Thread on heater inlet connection:	3/8" BSP Male	3/8" BSP Male	3/8" BSP Male
AGA Approval No:	8271 G		
Hose assembly:	<p>Bromic hose assembly: Male bayonet outlet with 3/8" BSP female nut (AGA No. 4631)</p> <p>The hose assembly inlet (male bayonet) on this heater is to be connected to an certified approved female floor socket only.</p>		



WARNING:

FRESH AIR FOR COMBUSTION AND VENTILATION

This heater must have fresh air for proper operation. Read the following instructions to ensure the heater receives enough fresh air.

Modern construction standards have resulted in homes that are highly energy efficient and allow little heat loss. However, your home still needs to breathe, and all fuel-burning appliances need fresh air to function properly and safely. Exhaust fans, clothes dryers, fireplaces and other fuel burning appliances all use the air inside the building. If there is not enough fresh air available, problems can result.

5. INSTALLATION REQUIREMENTS

CONFIRM ADEQUATE VENTILATION

Unusually tight construction

The air that leaks around doors and windows may provide enough fresh air for combustion and ventilation. However, in buildings of unusually tight construction, you must provide additional fresh air. Unusually tight construction is defined as construction where:

Walls and ceilings exposed to the outside atmosphere have a continuous water vapour retarder with a rating of one perm or less with openings gasketed or sealed and caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall/ceiling joints, between wall panels, at penetrations for plumbing, electrical and gas lines, and at other openings.

Unconfined space

An unconfined space has a volume not less than 5 cubic metres for each MJ/hr of the appliances installed in that space. Rooms directly connected to the space through openings not furnished with doors are considered part of the unconfined space.

Confined space

A confined space has a volume less than 5 cubic metres for each MJ/hr of the aggregate input rating of all appliances in that space.

DECIDING WHERE TO PLACE THE HEATER

This heater is designed to be placed on the floor only.



WARNING:

NEVER INSTALL THE HEATER IN THESE AREAS

- This heater must not be located where it could be subjected to physical damage
- This heater must not be installed in a bathroom, bedroom, hallway, or recessed fireplace
- Recreational vehicles, caravans or marine crafts
- Where curtains, furniture, clothing or other flammable objects are less than 150cm from the front, 150cm from top, or 50cm from sides of the heater
- In high-traffic areas
- In windy or drafty areas

Flueless heaters add moisture to the air. Although this is beneficial, installing a heater in rooms without enough ventilation may cause mildew formation from too much moisture content. This appliance is only for use with the type of gas indicated on the rating plate (see page 2 for details). This appliance is not convertible for use with other gases.



CAUTION:

IF YOU INSTALL THE HEATER IN A GARAGE, PLACE THE HEATER WHERE MOVING VEHICLES WILL NOT HIT IT.

5. INSTALLATION REQUIREMENTS (CONT...)



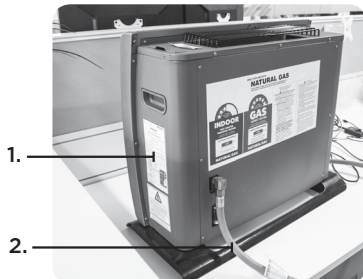
CAUTION:

- DO NOT INSTALL IN A BATHROOM, BEDROOM, HALLWAY, OR RECESSED FIREPLACE
- DO NOT PLACE ARTICLES ON OR AGAINST THE HEATER
- DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE
- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION
- DO NOT CONNECT TO AN LPG GAS CYLINDER LOCATED INDOORS
- DO NOT LOCATE WHERE IT COULD BE SUBJECTED TO PHYSICAL DAMAGE

6. INSTALLATION INSTRUCTIONS

1. Remove heater from carton and remove all protective packaging.
2. Check heater for any damage. If heater is damaged, immediately inform the place of purchase.
3. Check that the AGA-approved hose assembly is connected to the heater. If the hose assembly is not already connected to the heater, contact the place of purchase. DO NOT USE THE HEATER.

D.



1.



Make sure the hose assembly is connected to the heater

2.



Easy-connect gas hose: Connects to floor socket

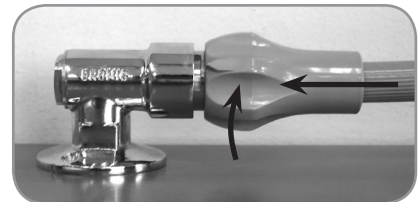
E.



WARNING:

THE CORRECT GAS MUST BE USED. SEE PAGE 2 FOR DETAILS.

4. Read and understand the warning labels on the side of the heater. If you do not understand the warning labels contact the place of purchase for assistance.
5. Select a location for the heater that will provide maximum heat to the room but that will not subject the heater to accidental contact. Room volume must be a **minimum of 105 cubic metres (Note: this is typically a room size of approx. 8m x 6m x 2.4m ceiling height).**
6. Adequate space must be left around the heater.
7. Plug the easy-connect gas hose into an AGA-approved floor socket (see picture).
8. To plug in, insert gas hose into the floor socket, and turn clockwise to lock in place (see picture).
9. Test for gas leaks by spraying a mild soap and water solution onto the inlet connection and around the brass nut that connects the hose to the heater. If soap bubbles appear and enlarge, turn off the gas supply immediately and contact your place of purchase.



6. INSTALLATION (CONT...)

NOTE:

- If there is no AGA-approved female floor socket in your premises, contact an authorised gas fitter for installation.
- Only an **authorised person** can install an AGA-approved female floor socket in accordance with gas fitting regulations.
- **This heater is not to be installed as a fixed appliance.**

7. OPERATING INSTRUCTIONS



WARNING:

Ensure you have carefully read all safety information at the beginning of this manual before proceeding. Failing to follow the instructions in this manual exactly could result in property damage, personal injury, or even loss of life.

1. Plug gas hose into the floor socket (see steps 7 & 8 in the “Installation” section).
2. To ignite the heater, push the “PILOT/IGN” button down and keep pressed for 10-seconds. You will hear the clicking noise of the ignitor and the heater should then light.
3. If heater does not light, repeat step 2. Repeat no more than 3 times and **wait 30-seconds between attempts**.
4. To select the heating level, move the heat level control knob to the right for maximum heat output or to the left for minimum heat output.
5. To turn heater off, push “OFF” button down. This will cause the “PILOT/IGN” button to lift up. Ensure heater has turned off.

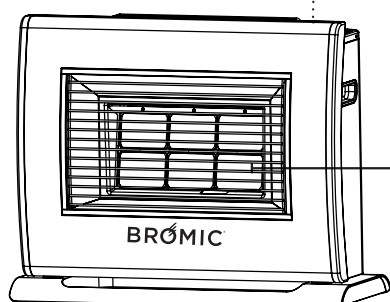
Lighting the heater



Heater on MIN heat setting



Heater on MAX heat setting



MIN HEAT SETTING
3 heating tile glowing



MAX HEAT SETTING
6 heating tiles glowing

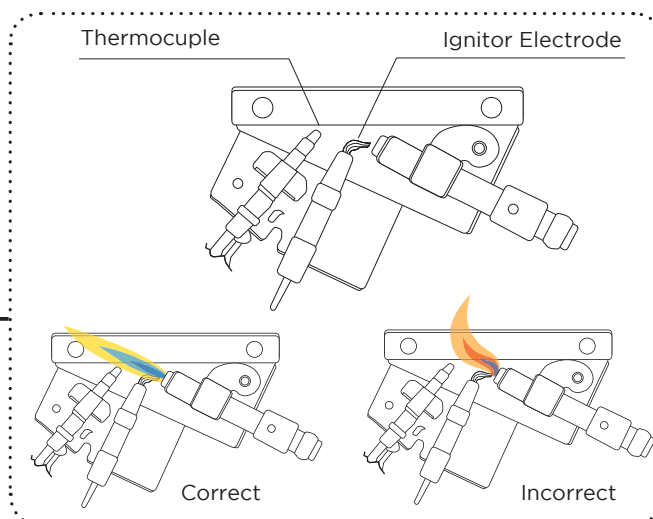
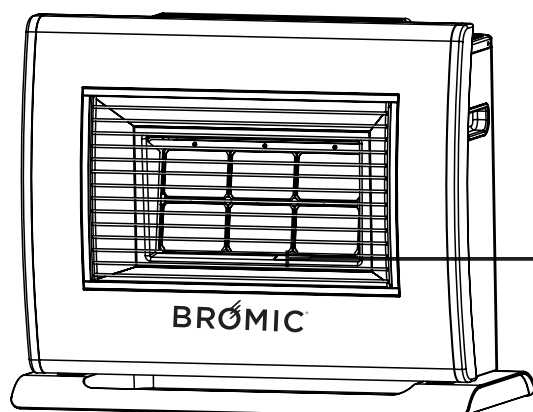


7. OPERATING INSTRUCTIONS (CONT...)

Pilot and Burner Inspection

Each time you light your heater, check that the pilot flame and burner flame patterns are as shown below. If pilot flame patterns are incorrect, turn the heater off and contact your place of purchase or an authorised service technician for assistance. Do not operate the heater if the pilot flame pattern is incorrect.

Note:



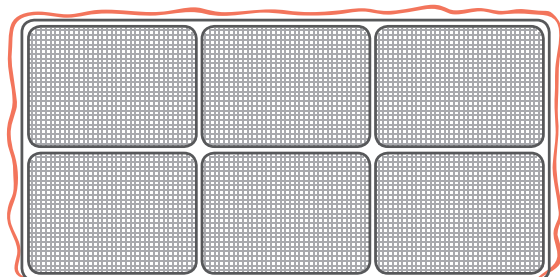
Ensure you have a proper pilot

- Do not mistake orange flames with yellow tipping. Dirt or other particles may enter the heater and cause patches of orange flame.
- If the heater does not operate correctly, contact your place of purchase or an authorised service technician.

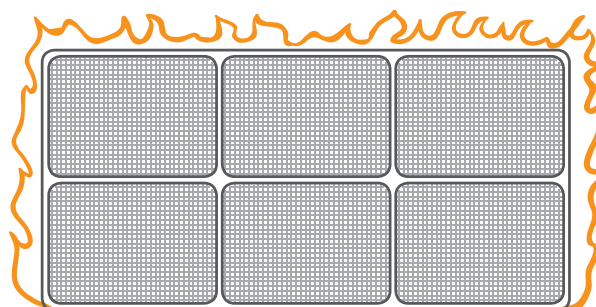


WARNING:

If yellow tipping occurs, your heater could be producing increased levels of carbon monoxide, which can be damaging to health. If burner flame pattern shows yellow tipping (see below), follow instructions in the "Troubleshooting" section.



CORRECT: No yellow tipping



INCORRECT: yellow tipping

8. MAINTENANCE



IMPORTANT:

ALL OTHER SERVICING IS TO BE CARRIED OUT BY AUTHORISED

If using the heater for the first time after more than 3 months, it is recommended that you do the following:

- » Replace the ignitor battery
 - » Check the hose assembly for any wear or damage (if any damage is detected, promptly contact your place of purchase for help before operating the heater)
 - » Check for leaks (see step 9 in “Installation” section)
- It is recommended that an authorised person performs a yearly maintenance check on the heater.
 - If the hose assembly is more than 5 years old, it is recommended to be replaced by an authorised person.
 - See “Troubleshooting” for common problems.
 - Any replacement parts or accessories should be available from your place of purchase.
 - **DO NOT MODIFY THIS APPLIANCE.**

9 . TROUBLESHOOTING

Problem	Possible cause	What you can do (if these do not work, contact an authorised technician)	What <u>ONLY</u> an authorised service technician can do
When "PILOT/IGN" is pushed down, the pilot does not spark.	<ul style="list-style-type: none"> Ignitor electrode positioned incorrectly Ignitor electrode broken Ignitor cable pinched or broken Ignitor cable not connected to ignitor electrode Lack of battery power 	<ul style="list-style-type: none"> Replace the ignitor battery Call an authorised service technician 	<ul style="list-style-type: none"> Replace ignitor electrode Free or replace ignitor cables Connect cable to electrode
When "PILOT/IGN" is pushed down, the pilot sparks, but does not ignite.	<ul style="list-style-type: none"> Gas supply may be turned off Pilot may be clogged Air in gas lines 	<ul style="list-style-type: none"> Turn gas supply on Call an authorised service technician 	<ul style="list-style-type: none"> Clean gas lines and repeat ignition operation
Pilot lights but flame goes out when "PILOT/IGN" is released.	<ul style="list-style-type: none"> "PILOT/IGN" button not pressed long enough ODS safety feature is triggered Pilot flame not touching the thermocouple. This could be due to: <ul style="list-style-type: none"> » Partially clogged pilot orifice » Low gas pressure Thermocouple damaged Thermocouple connection is loose at gas control valve Gas control valve damaged 	<ul style="list-style-type: none"> After pilot lights, keep "PILOT/IGN" button pressed for approx. 30-seconds Wait one minute and repeat ignition operation Contact an authorised service technician 	<ul style="list-style-type: none"> Replace thermocouple Hand tighten thermocouple connection until snug then tighten 1/4 turn with a wrench Replace gas control
Burner does not light after pilot is lit.	<ul style="list-style-type: none"> Burner orifice clogged Gas supply pressure is very low 	<ul style="list-style-type: none"> Contact an authorised service technician 	<ul style="list-style-type: none"> Clean burner orifice
Delayed ignition	<ul style="list-style-type: none"> Main burner carry-over ports clogged Gas supply pressure is very low 	<ul style="list-style-type: none"> Contact an authorised service technician 	<ul style="list-style-type: none"> Clean main burner ports
Burner backfires during operation	<ul style="list-style-type: none"> Burner orifice is clogged Burner ports damaged 	<ul style="list-style-type: none"> Contact an authorised service technician 	<ul style="list-style-type: none"> Clean burner orifice Replace burner
Yellow flames appear during burner operation	<ul style="list-style-type: none"> Not enough air 	<ul style="list-style-type: none"> Contact an authorised service technician 	<ul style="list-style-type: none"> Check air passage-ways and burner for dirt and debris
Burner tiles do not glow	<ul style="list-style-type: none"> One or more tiles are damaged Inlet gas pressure may be too low 	<ul style="list-style-type: none"> Contact an authorised service technician 	<ul style="list-style-type: none"> Replace burner
Slight smoke and odour during initial operation	<ul style="list-style-type: none"> Residues from manufacturing processes 	<ul style="list-style-type: none"> Will stop after approx. 3-hours of operation If problem persists, turn heater off & contact an authorised service technician 	
Heater produces a whistling noise when burner is lit	<ul style="list-style-type: none"> Air passage-ways blocked Air in gas line 	<ul style="list-style-type: none"> Operate burner approx. another 3-hours If problem persists, contact an authorised service technician 	<ul style="list-style-type: none"> Check minimum installation clearance and air passage-ways for debris
Heater produces a clicking noise just after burner is lit or turned off.	<ul style="list-style-type: none"> Metal expanding and contracting 	<ul style="list-style-type: none"> This noise is common with heaters. If noise is excessive contact an authorised service technician 	
Gas odour detected even when heater is off	<ul style="list-style-type: none"> Gas leak Gas control defective 	<ul style="list-style-type: none"> Contact an authorised service technician 	<ul style="list-style-type: none"> Replace gas control Locate and correct leaks immediately (see "Safety Information" section)
Gas odour detected during combustion	<ul style="list-style-type: none"> Foreign matter in gas or on burner ports Heater is burning vapours from paint or impurities in the air Gas leak 	<ul style="list-style-type: none"> Ventilate room, stop storing and using odour-causing products near heater Contact an authorised service technician 	<ul style="list-style-type: none"> Check gas passage-way and burner Locate and correct leaks immediately (see "Safety Information" section)

10. WARRANTY

1. WARRANTY PERIOD

Bromic Pty Limited ('Bromic') warrants to the original purchaser ('the Purchaser') of this Bromic 'Supaheat II' heater ('the Heater'), that the Heater will be free from defects or faults in materials and/or workmanship for 12 months from the date of purchase ('the Warranty Period').

2. WARRANTY CONDITIONS

2.1 Subject to the following conditions, if a defect or fault in parts or workmanship is found during the Warranty Period, Bromic will replace or repair the Heater or part of it (at its option) without charge to the Purchaser.

2.2 Bromic may undertake any repairs or nominate an authorised repair agent to do so.

2.3 The Purchaser must retain the original purchase docket and produce it to Bromic at the time of making a claim under this Warranty.

2.4 The Purchaser must report any potential fault and/or defect to Bromic as soon as possible after discovery of the potential fault and/or defect.

2.5 The requirement for repair or replacement of the Heater must have arisen solely from faulty and/or defective materials and/or workmanship and must not be due to misuse, neglect, accident, improper installation, unauthorised modification, unauthorised attempted repair, failure to comply with the Heater's instruction manual and/or markings on the Heater or other abuse which, in the reasonable opinion of Bromic, was caused by the Purchaser or any agent or employee of the Purchaser.

2.6 Bromic is not liable for any transport costs incurred in connection with a warranty investigation or service of the Heater within the Warranty Period.

2.7 Bromic reserves its right to invoice the Purchaser for any investigation or service (including parts and labour) which is found not to be connected to a warranty issue.

2.8 Bromic is not liable for any incidental or consequential loss or damage arising from any cause whatsoever including but not limited to loss or damage arising from misuse of the Heater, neglect, accident, improper installation, unauthorised modification, unauthorised attempted repair, failure to comply with the Heater's instruction manual and/or markings on the Heater and/or any cause independent of human control that occurs after the Heater has left the control of Bromic.

3. CLAIMING UNDER THE WARRANTY OR CONSUMER GUARANTEES

3.1 Please contact Bromic as soon as possible after discovery of a potential defect and/or fault with the Heater to arrange for it to be tested and/or serviced.

3.2 All warranty enquires and/or claims should be directed to Bromic's Head Office via its postal address - 10 Phiney Place, Ingleburn NSW 2565 or by telephoning 1300 276 642 (within Australia) or sending a fax to 1300 735 115

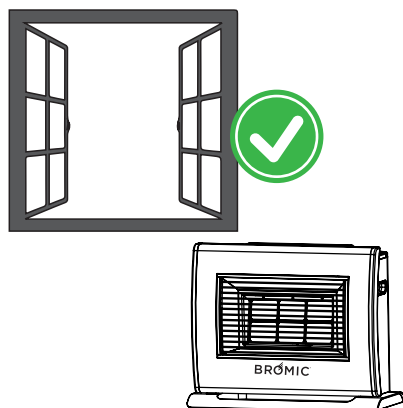
4. CONSUMER GUARANTEES UNDER THE ACL

In addition to the Warranty extended by Bromic to the Purchaser, the Australian Consumer Law requires that Bromic provide the following additional guarantees to consumers (as that word is defined by the Competition and Consumer Act) in respect of consumer goods (as defined by that Act) supplied in Australia.

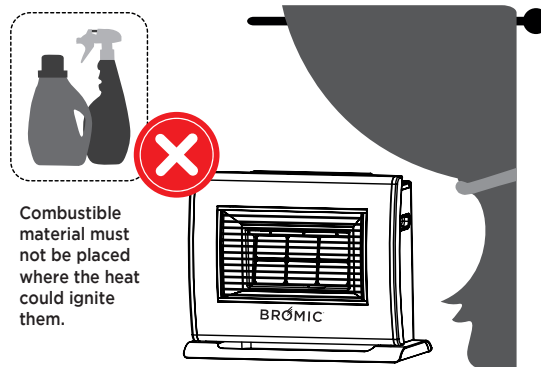
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

11. IMPORTANT POINTS

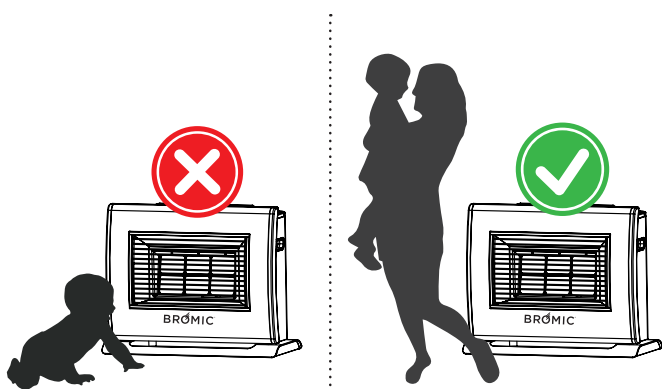
The room must be ventilated when this heater is in use.



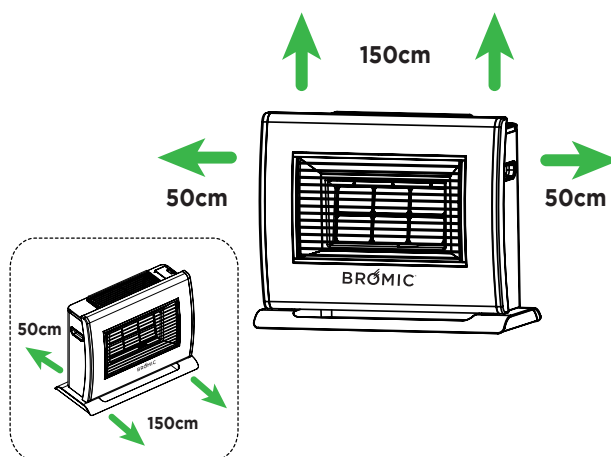
Do not allow curtains or other flammable materials to come into contact with the heater. Do not store flammable products next to the heater.



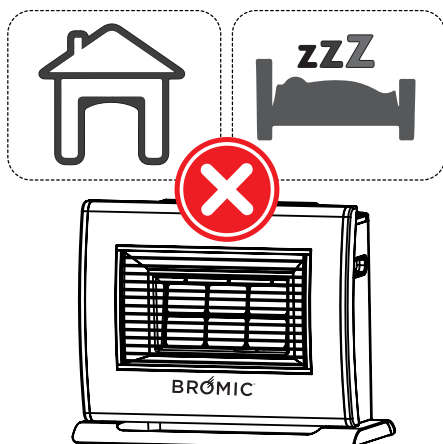
Supervise children near the heater.



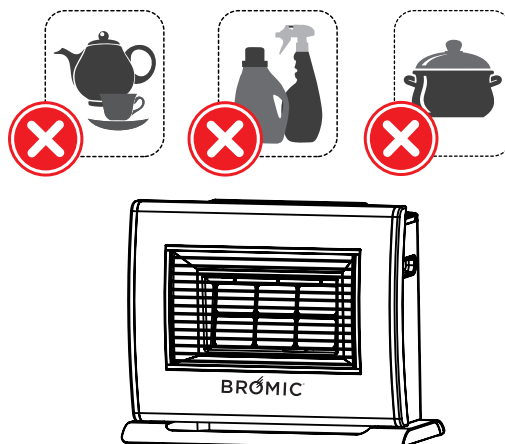
These clearances should be maintained at all times



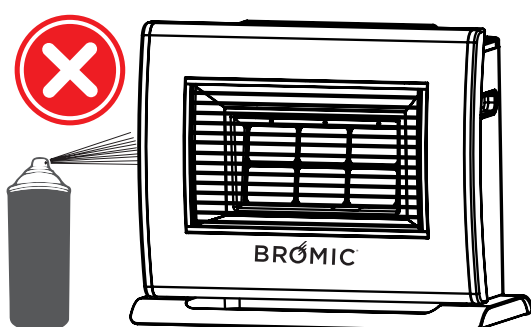
Do not leave this unit alight when you leave the house. Turn off before sleeping.



Do not place any articles containing liquid on top of the heater.



Do not spray aerosols on the unit whilst it is in operation. Most aerosols contain butane gas, and can be a fire hazard if used near this heater when it is in use. Use of aerosols, paint polishes, etc. while this heater is in use may cause unpleasant smells.



Do not use for any purpose other than heating.

