

Paloma

UNFLUED PORTABLE RADIANT (INFRARED) ROOM HEATER

To suit Paloma Models: PG-451S, PG-651S & PG-851S

Gas Types: Natural Gas (NG) or Propane (LPG)

CUSTOMER OPERATING AND INSTALLATION INSTRUCTIONS



Thank you for purchasing a Paloma Radiant Gas Space Heater

1. To operate this appliance safely and correctly, please read these instructions thoroughly.
2. This appliance must be installed in accordance with:
 - a. Local Gas Fitting Regulations
 - b. Municipal Building Codes
 - c. Australian Standard for Gas Appliance Installations AS5601-2002
 - d. Any other relevant Statutory Regulation
 - e. Manufacturer's installation instructions
3. This appliance must be installed, serviced and removed by an Authorised person.

Warranty Information

Please Record Below

Your Retailer:

Address:

Phone:

Date of Purchase:

Note: There is no need to post this guarantee back, simply keep it in a safe place together with a copy of your purchase invoice.

Description	Domestic Applications		Commercial Applications	
	Parts	Labour	Parts	Labour
Combustion Chamber	10 Years Pro rata (*)	3 Years	1 Year	1 Year
All Other Parts	3 Years	3 Years	1 Year	1 Year

(*) Combustion chamber full replacement parts cost in the first 3 years, reducing 15% per year thereafter.

Warranty Conditions:

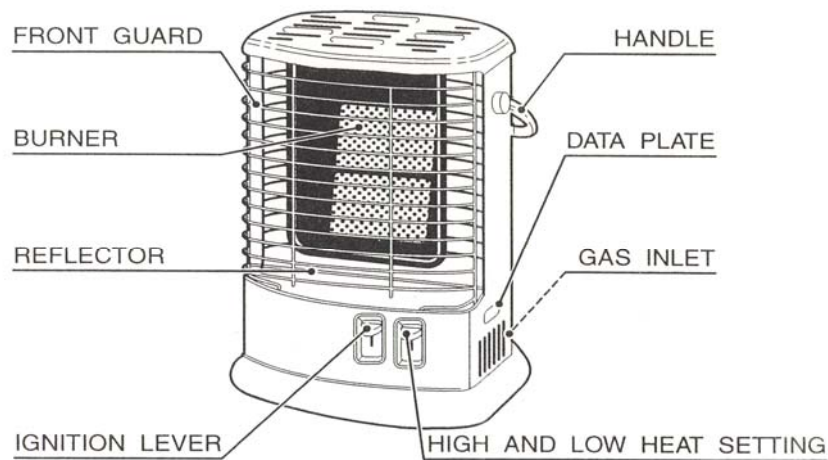
- The warranty periods that are allocated for domestic use are based on heating requirements of a typical domestic dwelling. The warranty periods allocated under commercial use are for all other applications.
- Terms of this warranty are effective from date of purchase and the attending service technician reserves the right to verify this date by requesting a copy of the purchase invoice prior to commencement of any warranty work.
- These units must be installed correctly and the installation must conform to all regulations.
- These units must be serviced, installed, commissioned, repaired, and removed by an authorised person.
- No parts must be modified or removed from the unit.
- These units must be operated and maintained in accordance with manufacturer's operating instructions.
- This warranty applies only to the components supplied by the manufacturer. It does not apply to components supplied by others.
- Where a failed component is replaced under warranty, the balance of the original appliance warranty will remain effective. The replacement part or appliance does not carry a new warranty.
- We reserve the right to transfer functional components from defective appliances if they are suitable.
- We reserve the right to have the installed product returned to the factory for inspection and repair.
- Please note: general cleaning, maintenance, operation and wear & tear are not covered by the guarantee. Calls of this nature will be chargeable.

Warranty Exclusions:

The following exclusions may cause the warranty to become void and may result in a service charge and costs of parts (if required):

- Accidental damage and Acts of God.
- Failure due to abuse or misuse, improper maintenance, failure to maintain or improper storage.
- Failure due to incorrect or unauthorised installations.
- Failure or damage caused by alterations, service or repair work carried out by persons other than our authorised service technicians or agents.
- Where it is found that there is no fault with the appliance and the issue/s are related to the installation or is due to the failure of electric or gas supplies.
- We do not accept liability for any consequential damage or any incidental expenses resulting from any breach of the warranty OR claims for damage to a building or any other consequential loss either directly or indirectly due to fire or any other faults.

Product Overview



Features

- Easy lever-type control.
- 5.9 Star Energy rating.
- Two heat settings – Hi and low settings for comfort and economy.
- Reliable Piezo ignition with quick sensor device.
- Speedy heating through immediate and direct effect of infrared radiant heat.
- Wide base for stability.
- Anti-tilt Safety Switch automatically shuts off gas flow if the heater is knocked or bumped.
- Oxygen Depletion Safety System automatically shuts off gas flow if the oxygen level in the room drops below a safe level.
- Flame Failure Device prevents flow of gas to burner if ignition fails or flame goes out.
- Manufactured in Japan.

Specifications

MODEL	PG-451S	PG-651S	PG-851S
Type	Radiant Heater	Radiant Heater	Radiant Heater
DIMENSIONS: (mm) (Approx: Height x Width x Depth)	410 x 340 x 265	458 x 340 x 265	506 x 340 x 265
GAS INPUT	LPG & NG	LPG & NG	LPG & NG
High (MJ/h)	8	11	14
Low (MJ/h)	4	4	7
OUTPUT (kW)	2.2	3.0	3.8
HOSE Connections (mm)	Φ 9.5	Φ 9.5	Φ 9.5
STAR ENERGY RATING	5.9	5.9	5.9
MINIMUM ROOM SIZING (Cu.M)	40	55	70
NET WEIGHT (KGS)	5	5.5	6

Preparation

- (1) Remove heater from carton.
- (2) Please ensure that the gas specified on the rating plate matches your gas supply. Using a different type of gas may cause an explosive ignition resulting in injury, damage to heater or malfunction of the oxygen depletion safety system. Do not install heater if it is the wrong gas type. Please contact your place of purchase immediately.
- (3) Check room sizing – refer specifications. Do not install if the actual room size is less than the specified minimum room size requirements.

Notice to Victorian Customers: This appliance must be installed by a licensed person as required by the Victorian Building Act 1993. Only a licensed person will give you a compliance certificate showing that the work complies with all relevant standards. Only a licensed person will have insurance protecting their workmanship for 6 years. Make sure you use a licensed person to install this heater and ask for a compliance certificate. – Message from the Victorian Plumbing Commission.

Safety Instructions

To ensure safe and proper use of this heater, please read these instructions carefully.

Danger – Indicates an immensely hazardous situation which, if not avoided, will result in serious injury or death in the most extreme situations.

Warning – Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death in the most extreme situations.

Caution – indicates a potentially hazardous situation which, if not avoided, may result in minor injury.

Danger

If a gas leak is detected:

- Do not turn power switches on or off.
- Do not plug or unplug electrical appliances.
- Do not use the telephone.

Flame or sparks may ignite the gas and cause a fire:

- Cease operation immediately and close the gas valve.
- Open windows and doors for ventilation.
- Contact your gas supplier, a licensed plumber or Rheem Service on 131 031.

Warnings

- For information on the gas consumption and gas type please see data plate.
- Please ensure that the gas specified on the rating plate matches your gas supply. Using a different type of gas may cause an explosive ignition resulting in injury, damage to heater or malfunction of the oxygen depletion safety system. Do not install heater if it is the wrong gas type. Please contact your place of purchase immediately.
- Use only the gas hose supplied with the heater to avoid risk of gas leakage.
- Ventilation and room sizing must comply with local regulations. This heater is not intended for a fireplace insert.
- Ensure your room is correctly ventilated while unit is operating. Continuous use decreases the oxygen level in the room which activates the oxygen depletion safety system.
- Do not allow curtains or other flammable materials or aerosol cans to come into contact with the heater. It may cause a fire or the pressure in the aerosol-can may increase resulting in an explosion.
- Do not use or store gasoline, benzene, aerosol or any other flammable material near this appliance. It may result in a fire.
- Do not post or allow children to post articles such as paper, cloth or any other foreign material into the heater.
- Do not leave the heater unattended or alight when you leave the house.
- Do not sit, stand or sleep directly in front of the heater. Receiving direct heat continuously may cause low temperature burns. The aged, children, a very tired person, a person with sensitive skin or an intoxicated person must be supervised at all times.
- If your heater fails to operate correctly or you detect any unusual odours during its operation, cease operation immediately and close the gas valve. Refer to the trouble shooting section of these instructions and if the problem cannot be fixed please contact your gas supplier or Rheem service.
- This heater must be repaired or serviced by an authorised person. Repairs carried out by an unauthorised person may cause abnormal operation. The heater must be serviced at least once every three (3) years.
- Do not spray aerosols in the vicinity of this appliance whilst it is in operation.
- Do not use this heater in areas where spray painting is taking place or in areas such as hairdressers where there may be lots of fluff and dust or where aerosols may be used.
- All replacement parts must be approved Paloma spare parts.

Caution

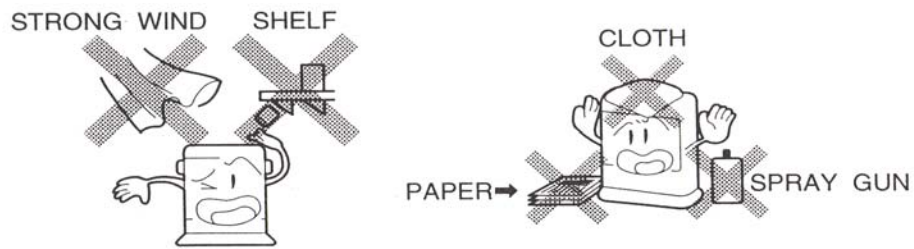
- Do not move the heater during operation.
- Do not use for any other purpose other than for heating. Must only be used as a space heater.
- Supervise young children or infirm persons near the heater. Also ensure that children do not play with this appliance.
- Do not sit, stand or lean on the heater.
- Do not place the heater near an opening door. The heater could be knocked over.
- Place a flat board for stability when placing the heater on soft or thick carpet. Placing directly on to a carpet may discolour the carpet.
- Ensure that recommended clearances are maintained at all times.
- This heater is designed for domestic household applications only. Using this heater in commercial applications will shorten its life significantly.
- Do not use sprays containing silicon in the vicinity of the heater. It damages the oxygen depletion safety device.

- Do not install in a place where the heater may be affected by wind. The flame could be blown out by a strong wind.
- If the heater is shut off by the oxygen depletion safety system, please ensure you ventilate the room immediately for satisfactory combustion.
- Ventilate room occasionally (every 30 minutes) with window or ventilating fan when heater is used continuously or in a closed room.
- If burner surface becomes dark, check hose and make sure it is properly connected and not kinked.
- If there is any strong gas odour, or any unusual conditions are observed on burner, shut off Main Gas Valve immediately and contact Rheem service.
- In case the heater is shut off by Anti-tilt Safety Switch be sure to check Gas Inlet Connection after you set Ignition Lever back to "OFF" position and level the heater.
- Do not spray aerosols in the vicinity of this appliance while it is in operation.

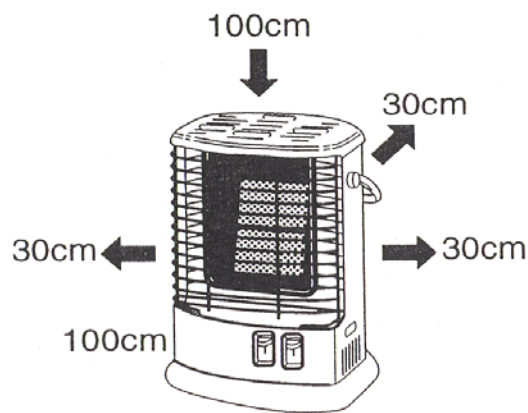
Installation

- This heater must be installed within the minimum clearances (See next page). These clearances must be maintained at all times.
- Do not install in a room with inadequate ventilation – refer to Australian Standard AS5601.
- Do not install on an uneven surface or a vibrating floor.
- Do not install directly on to carpet or timber floor or vinyl floor or cork floors. Heat emanating from these appliances may discolour the carpet or damage your floor. It is recommended that a mat or flat board be placed in front of this appliance extending at least 800mm in front of it.
- Do not install near a door or windy location or under shelves or in a confined space. E.g.: fireplace.
- Do not install in a bedroom or bathroom or combined living/sleeping areas or toilets or sauna.
- Do not install where flammable materials are likely to come into contact with the heater.
- Do not install where water may splash or near another heat source.
- Do not install in a caravan, mobile home or recreational vehicle.
- Do not connect to a Propane (LPG) gas cylinder **indoors**.
- This appliance is not designed to be built into walls or cupboards.
- If you move house check the gas type in the house where you are moving to.
- The bayonet plug on the factory fitted flexible hose simply plugs into your bayonet fitting.
- Do not place heater against wall or on a shelf.
- Always place heater on flat surface and away from strong draughts.
- Do not move the heater while it is in operation.
- When the heater is operated for the first time or after long periods of non use a slight odour may be emitted, this is normal. However if odours persist switch off the heater and contact Rheem Service.

Keep heater away from curtains or any inflammable materials as illustrated below.

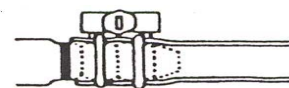


Minimum clearances - 30 cm from rear and sides, 100 cm from top and front are required from heater



Hose Connection

Be sure to correctly fasten the hose to the bayonet connection. Check the condition of the gas hose. Old or decayed rubber/PVC hoses should not be used. Only use hose supplied with the heater or supplied by Rheem spare parts.



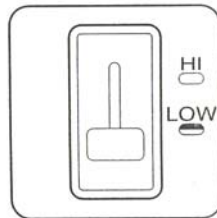
Decayed rubber hose

Operating Instructions

1. Make sure that the ignition lever is in the “OFF” position. Open Main Gas Valve fully.



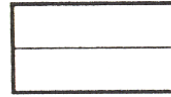
2. Push down Ignition Lever until a sharp “click” is heard. Keep lever down about 3 seconds after pilot burner lights (until Safety Device locks in).
 - When using for the first time, burner will not light until air in pipe is completely discharged.
 - If burner fails to light, repeat ignition procedure from No. 1.



3. Regulate heat according to room size. Pushing down Heat Settings Lever decreases heat to half capacity. Do not keep lever at intermediate position.
 - Burner Surface:



At half capacity
(Low Position)



At full capacity
(High Position)

4. To turn off burner, lift ignition lever up to “OFF” position.
 - Shut off Main Gas Valve for absolute safety when heater is not in use for long periods of time.
 - *Note:* Air Mixture is adjusted at factory, no further adjustment is necessary.

Trouble Shooting

Please check the following points before calling for a service technician:

CONDITION	PROBABLE CAUSE	POSSIBLE REMEDY
Pilot fails to light	Main Gas Valve is closed	Open Main Gas Valve
	Insufficient gas	Call your gas supplier or licensed plumber
Strong Gas Odour	Gas Leakage	The hose is not securely connected
		The hose is damaged
		Turn off heater and call a licensed plumber
Incomplete Combustion	Type of Gas used does not match specifications of appliance	Contact the place of purchase
Strange noise	Burner is clogged	Clean the burner with vacuum cleaner
Heater smells or smokes when using first time	The smell or smoke comes from oil used during manufacture	Operate the heater for a while in a ventilated room
The heater creaks at the time of lighting or switching off	The sound is caused by expansion and contraction of metallic parts when the product is heated or cooled	No action required
Heater smells during use	The heater will give out a strong odour if the room has been recently painted or the floors have been waxed or polished.	Ventilate room properly before use
Flame is extinguished during operation	Amount of oxygen in the room is insufficient	Check that the room is well ventilated

1. **FLAME FAILURE SAFETY DEVICE**

It closes the gas valve automatically in the event of a flame failure.

2. **OXYGEN DEPLETION SAFETY DEVICE**

If the oxygen levels drop below a safe level, the oxygen depletion device will cut off the supply of gas to the heater.

3. **TILT SWITCH**

If the heater is knocked over, the tilt switch will cut off the supply of gas to the heater. The tilt switch may also operate if the heater is jolted whilst in operation.

4. **OVERHEAT SWITCH**

When the fan stops rotating for any reason, the over-heat switch switches off the gas supply.

Inspection and Maintenance

Turn heater off, disconnect gas hose and wait until heater cools down.

Please ensure you carry out daily inspection and maintenance.

Do not use heater if you believe that something is wrong.

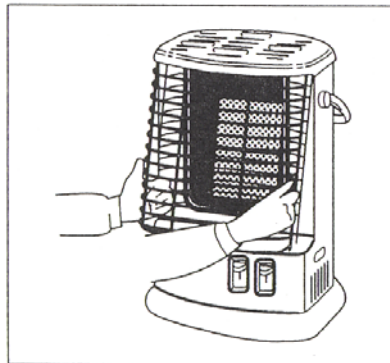
It is recommended that your heater be serviced periodically.

Points to check:

- There are no flammable materials in the vicinity of the heater.
- The hose is correctly connected without kinking or twisting.

Maintenance

- Always wear gloves and be careful of any sharp edges.
- Do not use cleaning cloths, benzene, acid, or alkaline detergents as this could discolour the paint and plastic components.
- Remove Front Guard and wipe Reflector with soft and dry cloth.
- How to remove front guard - lift up the guard and pull out low end.
- How to install Front Guard - reverse procedure.



- Wipe parts with soft dry cloth. If cleaning agent is used to take off stubborn stains, wipe again with soft dry cloth.
- Metal parts are hot during or just after use. Do not touch the heater while hot.
- Remove accumulated dust inside heater with vacuum cleaner without touching inner parts.
- The guard on the appliance conforms to AGA requirements. It is designed to prevent risk of injury. It does not give full protection for young children or the infirm.

Service

Rheem Australia has a service and spare parts network in all states. Our service network personnel are fully equipped to give the best service on your Paloma gas heater.

If your heater requires a service call please contact Rheem National Service on 131 031.

Do not return heater to place of purchase.

State Service & Spare Parts:

	QLD	SYD/CANB	NEWC	VIC	SA	WA
Service Tel:	07 3213 0100	02 9684 9280	02 4961 3515	03 9212 8900	08 8343 0000	08 9351 4238
Service Fax:	07 3213 0154	02 9684 9188	02 4961 3117	03 9212 8955	08 8359 6002	08 9353 4101
Parts Tel:	07 3213 0102	02 9684 9282	02 4961 3515	03 9212 8911	08 8343 0044	08 9258 3099
Parts Fax:	07 3213 0154	02 9684 9188	02 4961 3117	03 9212 8984	08 8359 6003	08 9356 9914

Approval

These Paloma models have been approved by the Australian Gas Association under AGA Approval Number: 5766

In keeping with our policy of continuous progress and product improvement, we reserve the right to make changes without notice.

DISTRUBTED IN AUSTRALIA BY:

RAYPAK AUSTRALIA PTY LTD
ABN 65 078 743 414
(A DIVISION OF RHEEM AUSTRALIA PTY LTD)
39 KOORNANG ROAD
VIC 3179

SALES TEL: 1300 729 725
SALES FAX: 03 9757 3350

Printed: July 2008

05-38566-00②