

Rinnai

Operation guide

Compact 2



Important:

For installations into a combustible opening, a Rinnai zero clearance box and flue kit are mandatory. Appliance must be installed with a Rinnai approved flue system.

This appliance shall be installed in accordance with:

- Manufacturer's installation instructions
- AS/NZS 5601.1 Gas Installations
- Local regulations and municipal building codes

Installation, servicing and repair shall be carried out only by authorised personnel.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life.

For more information about buying, using, and servicing of Rinnai appliances call: 0800 RINNAI (0800 746 624).

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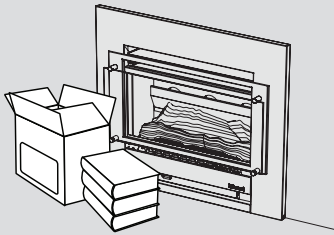
Safety

Important

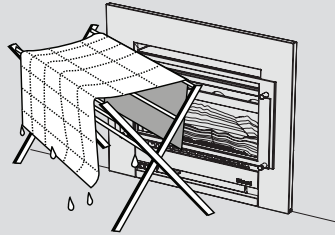


This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

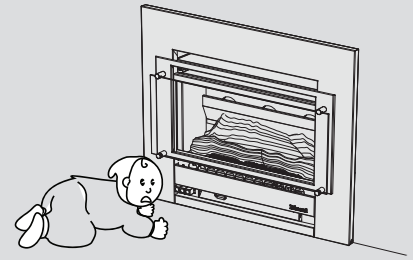
- The heater must not be used if the glass or panels are damaged
- Do not place articles on or against this appliance
- Do not use or store flammable materials near this appliance
- Do not modify this appliance
- Do not spray aerosols in the vicinity of this appliance while it is in operation



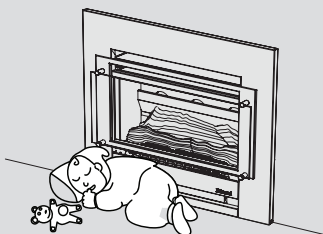
Do not restrict warm air discharge by placing articles in front of the appliance.



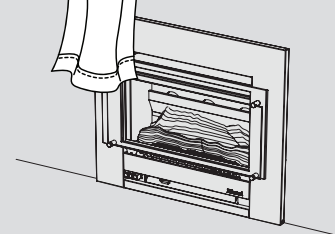
This appliance must not be used for any other purpose other than heating.



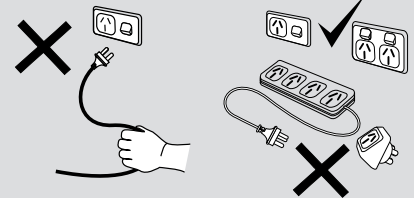
Children should be supervised at all times to ensure they do not play with the appliance. Hand or body contact with the appliance must be avoided.



Do not allow anyone to sit, lean or sleep directly in front of the appliance.



Do not allow curtains or other combustible materials to come into contact with the appliance.



Do not unplug the appliance while it is operating. Do not use power boards or double adaptors to operate this appliance.

Clearances

The clearances listed below, measured from the **edge of the inner glass**, are minimum clearances unless otherwise stated.

While the heater is operating

The appliance must not be installed where curtains or other combustible materials could come into contact with the heater. The 1000 mm clearance above is the clearance to the ceiling. The 300 mm side clearance includes side walls.

Wall surface above the heater

The temperature of the wall surface directly above the appliance may get warm and discolour paint finishes or distort vinyl wall coverings. For durability of surfaces, please contact the manufacturer for their specification.

Floor protection

Heat emanating from this fire may over time affect the appearance of some materials used for flooring, such as, carpet, vinyl, cork or timber. This may be amplified if the air contains cooking vapours or cigarette smoke. To avoid this occurring, it is recommended that a mat be placed in front of this appliance.

Mantels and surrounds

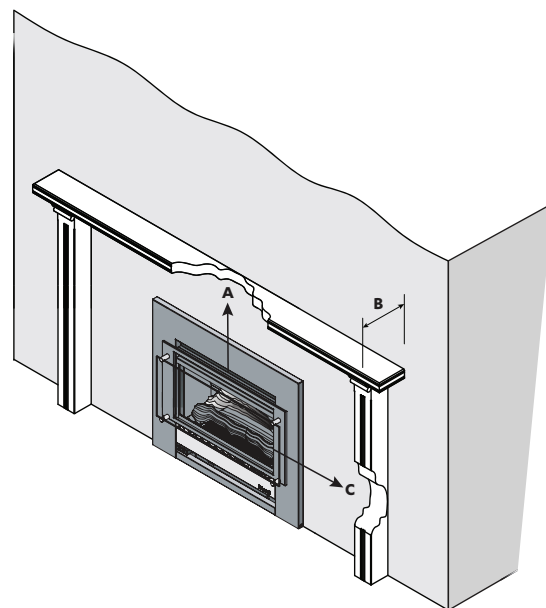
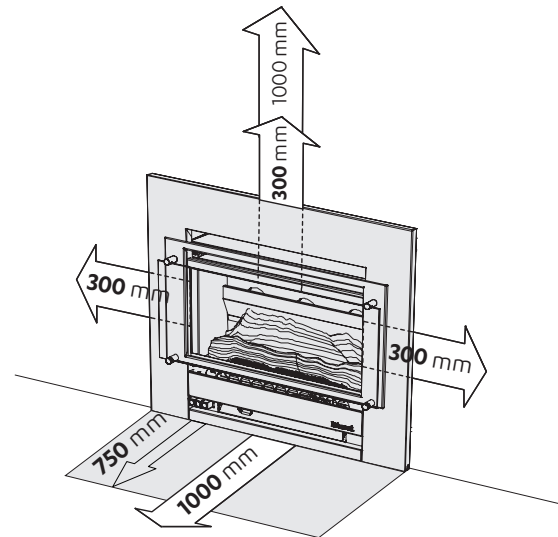
Combustible mantels and surrounds require clearance from the unit to minimise the risk of fire. Mantels and surrounds, made of combustible materials such as wood, are allowed providing they are outside the minimum clearances shown.

Hearths

A hearth is not necessary but can be used for decorative purposes or protection of sensitive flooring if required. A hearth must not obscure the front of the fire.

TV installation above the fireplace

Installing a TV directly above the Compact 2 is **not recommended** due to the heat being emitted directly above the fire and also heat being generated from the flue components.



- A** Mantel needs to be a min. of 300 mm away from the edge of the glass.
- B** Maximum mantel depth at 300 mm (A) is 150 mm.
- C** Surround needs to be a minimum of 300 mm away from the edge of the glass.

For every 50 mm of added mantel depth there must be an additional 100 mm of clearance from the edge of the glass.

For example:

MANTEL DEPTH	A: CLEARANCE REQUIRED
200 mm	400 mm
250 mm	500 mm
300 mm	600 mm

General information

Before operation please read these instructions to get an overview of how to operate, maintain and service your Rinnai gas fire.

Electrical connection



If a power point is used it must be 230 V, rated at 10 A, and must be earthed. This power point **MUST NOT** be located above the heater. Alternatively the appliance can be direct wired if the power supply is to be concealed.

The Compact 2 is fitted with a 1.5 m power cord. The electrical connection can exit the appliance from the lower left or right hand side, or from the rear.

Direct wired installations

A qualified electrician will need to be consulted where a direct wired installation is required. Installation must comply with the requirements of AS/NZS 5601.1, AS/NZS 3000 and any other relevant local regulations.

If the supply cord is damaged, it must be replaced by a licensed tradesperson. This must be a genuine replacement part available from Rinnai, part number 6765B.

Power failure

If the heater is in operation when there is a power failure, the gas valves will remain open and the heater will continue to operate, but the fan will stop. The overheat protection may then shut off the gas to protect the heater. Switching the heater to its lowest setting may allow the heater to continue operating without overheating.

Installation by a licensed tradesperson

Only a licensed tradesperson can install, adjust, maintain, and service this gas fire. Any work carried out by a non-licensed tradesperson is illegal and will void any warranty.

Ensure your installer talks to you about the use and care of this appliance, and that you understand these instructions. The installer also needs to complete the appliance commissioning sheet and installer details, and leave this guide with you.

Safety devices

Your Rinnai Compact 2 is designed with the following safety devices:

- Overheat safety switches
When the heater gets too hot during operation, for example, when the air outlet louvres are blocked, these devices turn the gas off automatically and allow the heater to restart when cooled down.
- Flame failure sensing system
Automatically cuts off the gas supply to the heater in the event of a flame failure.

Soot deposits

Small soot deposits on the log set or glass is normal. Significant build up however is not normal and will require a service call. Refer to the troubleshooting section for further information.

Maintenance and servicing



All external surfaces of the heater can be cleaned using a soft damp cloth and mild detergent. **DO NOT** use solvents and do not attempt to clean the heater while it is hot or operating.

Rinnai has a maintenance/service and spare parts network with personnel who are fully trained and equipped to give the best advice on your Rinnai appliance.

If your appliance needs maintenance/servicing, please call Rinnai (0800 746 624).

For reliable operation Rinnai flame fires should be serviced every two years, including inspection of the flue system. If they are in a particularly dusty environment or subject to excess lint, for example dog hair, or where there are newly laid carpets, then annual servicing would be beneficial.

Regular maintenance/servicing is not covered by the Rinnai warranty.

Do not attempt to carry out any service work other than that mentioned in the troubleshooting section. If you have any other faults or problems, please refer to your installer or call Rinnai.

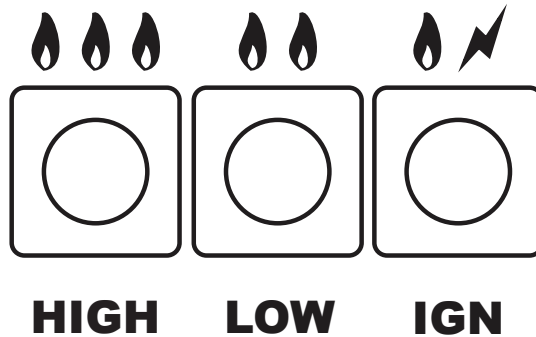
Operating your Compact 2

Your Compact 2 is operated by manual push button control, located on the left hand side of the appliance.

Ignition

Firmly press the IGN button for 10 seconds and release. This operates the built-in safety device and starts the electronic spark—lights to pilot.

If the pilot does not remain alight, wait two minutes before retrying to ignite. If the heater does not ignite on initial use, it may be due to air remaining in the gas supply line.



The words HIGH, LOW and IGN are not part of the control panel. They have been displayed to highlight what each of the different settings mean.

Adjusting the heat

Press the buttons from LOW to HIGH. This will ignite the additional burners.

Turning off

Press and release the buttons from HIGH to IGN until they are in the off position. The fan will stop when the heater cools down.

Fan operation

The fan will operate automatically when the heater warms up, and will stop when it cools. When the heater is on the LOW setting, the fan may turn off as the heater cools. The fan will restart again once the heater warms up.

In the event of a power failure

If there is a power failure, turning the heater to the LOW setting may allow the heater to continue operating without overheating. Remaining on the HIGH setting will cause the overheat protection switch to activate. This will shut down the appliance.

Troubleshooting

During installation there will be an initial burning in period where some smoke and smell may be experienced. This is a normal part of the operation.

The appliance is fitted with an overheat safety switch. Under overheating conditions this switch will shut off the appliance. If the appliance shuts off repeatedly servicing may be required.

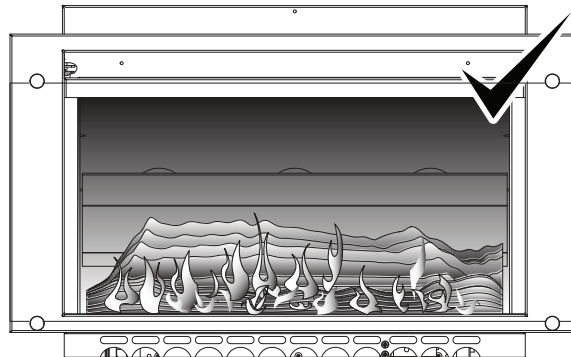
Symptom	Cause	Solution
Burner will not light	No power present No gas present Power cut Air in gas pipe Ignition failure	Ensure power cord is plugged in and turned on. Ensure gas supply is turned on. Re-ignite after power is restored. Purge air (installer to do). Repeat ignition steps.
Smell of gas	Leaking gas	Turn off gas at meter or LPG cylinder and call your installer.
Small soot deposit on logs	Normal operation	No action required.
Severe soot deposits forming on logs or glass	Inadequate flue system, incorrect gas pressure or log misalignment	Contact a Rinnai Service Centre.
Condensation on glass	Normal operation	Allow heater to warm up and the condensation will disappear.
Streaky lines on glass	Normal operation	Clean glass.
Fan not working	Heat switch is not activated No power present	Allow heater to run on high for approximately 10 minutes. Ensure power cord is plugged in and turned on.

Abnormal flame pattern

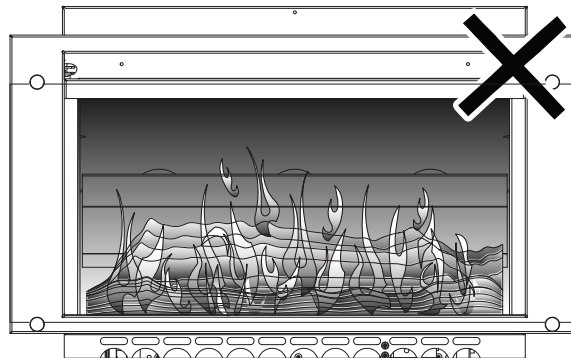
Each Rinnai Flame Fire has a distinct flame pattern. This should look the same every time you start your fire, after an initial warm up period of approximately 20 minutes.

Abnormal flame performance and/or pattern can indicate a problem with your fire, such as blocked gas injectors, or that the log set (burn media) has shifted from when the fire was first installed. There are some warning signs that could indicate a problem.

- Unusual smell from the appliance
- Continued difficulty or delay in establishing a flame
- Flame appears very short or very long
- Flame only burns part way across the burner
- Severe soot building up on the inside of the glass



Normal flame pattern



Abnormal flame pattern

If any of the above signs occur, please call Rinnai to discuss.

Commissioning

The installer must complete the installation and commissioning checklist below and make sure this guide is left with you. They must also instruct you in the use and care of the appliance, and make sure you understand the safety instructions.

Checklist

- Appliance positioned in a suitable location (clearances, mantels, surrounds etc).
- Rinnai flue system installed and tested to ensure effective draw.
- Gas pressure checked and set.
- Burn media installed as per instructions.
- Appliance tested for correct operation and to ensure no gas leaks.
- Customer instructed on operating procedure and safety requirements.
- Customer advised to service the heater every two years.

Installer details

Company name:

Installer name:

Address:

Phone:

Mobile:

Certificate of compliance number for installation:

Signed:

Date:

Limited Warranty

Rinnai brings you peace of mind with a:

2 Year minimum warranty

Terms and conditions

1. During the 24 month period from date of purchase and subject to clauses 2 and 3 below, Rinnai New Zealand Limited ("Rinnai") will, at its own discretion, either replace or repair any defective product at no charge to the customer.
2. This warranty covers manufacturing defects only. This warranty will not apply if (for example) the product has been improperly installed or is otherwise installed contrary to manufacturer's recommendations, has been damaged during or after

installation, has not been operated in accordance with operating instructions, or has been subjected to damage or abuse beyond that expected from conditions of normal use.

3. Warranty claims may be invalid if not accompanied by the installation certificate of compliance details.
4. This warranty commences from the date of purchase. Proof of purchase is required at the time of any warranty claim.

5. Servicing of the product is to be carried out by a Rinnai authorised service centre.

All Rinnai appliances meet or exceed the safety standards required by New Zealand gas and electrical regulations. The company is constantly improving its products and as such specifications are subject to change or variation without notice.

RECORD YOUR DETAILS OF PURCHASE BELOW:

Retailer:

Retailer address:

Date of purchase:

Product details:

ATTACH YOUR PROOF OF PURCHASE HERE:



Please keep these details in a safe place for future reference.



Experience our innovation

Rinnai.co.nz | **0800 746 624**

<http://www.youtube.com/rinnainz>