**User Guide** 

# FREESTANDING WOODBURNERS





STUDIO SERIES: STUDIO STUDIO OVEN STUDIO COMPACT OOH-AH

SOUTHERN SERIES: LINDIS LEWIS MCKENZIE CARDRONA COOKER

> TASMAN SERIES TASMAN 46L





See full installation specifications and downloads on Woodburner Fires at www.warmington.co.nz

# Index

# **Operating** Instructions

Firewood	2
Lighting the fire	3
Cooktop & Oven	4

# Maintenance

Firebox Exterior & Interior	5
Removing Ash	5
Oven, Wetback, Flue System	8

The Range 6

# **Extras**

Spare parts, Refurbishing	9
Accessories	9

# Maintenance Record

10

Warranty

#### Scan to Register your Woodburner

By registering your Warmington fire, we are able to assist you faster with any queries you may have regarding your fireplace. Use your smartphone in camera-mode to scan or go to www.warmington. co.nz/register-your-fire/

12

# Operating Instructions

## FIREWOOD

The quality of the firewood you burn can dramatically affect the efficiency and operation of your Woodburner. The main factors that affect the burning characteristics of firewood are the wood type, moisture content, and size.

#### Wood type:

Softwoods and hardwoods burn differently because of differences in density. Softwoods (like pine, redwood and douglas fir) are less dense than hardwoods (like gums, manuka and ironbark). A denser wood will produce a longer-lasting coal bed, while a less dense wood will quickly bring the fire to an optimum burning temperature. The best burning fire has a ratio of 2:1 (a blend of two parts softwoods to one part hardwood).

#### **Moisture Content**

The moisture content of the wood affects the rate at which it burns and the combustion efficiency. If you attempt to burn wet wood, it will be hard to ignite, slow to burn and hiss and sizzle in the firebox. The efficiency of combustion and the heat to your home will be low, condensation and corrosion may occur in the flue, and the fire may produce smoke.

#### Size

The size of the firewood pieces affects the rate of combustion. Larger pieces ignite and release their energy more slowly than small pieces. Smaller pieces are better for short, hot fires, and larger pieces are preferable for extended firing cycles. Commercial firewood dealers generally produce firewood in larger chunks than modern Wood-burning appliances can handle. It is often necessary to split some of the wood to the optimal size..

#### Storing

Properly seasoned wood ignites quickly and burns efficiently. Firewood should be cut in the early spring and stacked undercover, with good ventilation, to be ready for burning when required. In some models, there is wood storage space underneath the firebox, which is the perfect drying area. Or use a basket beside the fire.

#### Harvesting

Firewood harvesting can affect native woodlands and a variety of threatened species. Dead trees and fallen timber provide a habitat for numerous animals and birds. Please be sensitive about the source of your firewood. If you are harvesting privately, leaving some dead wood behind may be beneficial.

# LIGHTING THE FIRE

#### **Before lighting**

Do not clean the fireplace with cleaning products before lighting the fire for the first time. The fire needs to cure the paint and cleaning products will cause damage.

#### When lighting the fire for the first time

■ Ventilate the house during the first three times the stove is used. The paint on the stove will give off carbon dioxide fumes. Babies, small children, pregnant women and pets should not be in the area. Open doors and windows and use a fan if necessary.

■ After these initial burns, the paint will set, and there should be no more smoke. Please don't touch the surface. It will be soft and wet during this phase, and once set, it will be hard.

■ Most stoves stop smoking after three burns. The first two should be at 121 °C for 20 minutes or about half a normal fire. Do not let the stove cool down significantly between burns. The last fire should be between 260 °C and 371 °C for 45 minutes. Operate slowly. If the stove gets too hot too quickly, the paint will crack.

#### **Burn control & operation**

**1.** The air control should be fully open (turn the air intake disc on the door anti-clockwise).

2. Place paper or firelighters into the base of the firebox.

**3.** Arrange kindling (small sticks & twigs) on top of firelighters/paper, allowing free air movement.

**4.** Light the fire around the base.

**5.** Leave the door ajar 5 - 10 mm to aid with the ignition of the fire. Do not run the fire for long periods with the door ajar, as damage may result.

**6.** When the fire is happily burning, place larger pieces of wood into the fire. Place the wood from the front to the rear in a lined pattern, ensuring that the flames can quickly move through the fuel load (check your appliance's maximum fuel load).

7. Close the door to ensure a seal to the firebox. Once the fire is fully established and burning brightly, reduce the air supply to control the heat output and fuel consumption.

**NOTE:** The air control is designed so that even when fully closed, some air still enters the firebox, which keeps unwanted flue emissions to a minimum.

### COOKTOP

Because the top of the fire is in direct contact with the flame, it offers a large cooking surface. It is ideal for entertaining at home/holiday homes or farm cottages. If spillage occurs, clean the surface with a soft cloth and dishwashing liquid and avoid scratching the surface.

#### OVEN (Studio Oven & Cardrona Cooker - models)

The Oven is heated directly by the fire. To heat the Oven, the fire should be lit as described on page 3. Once the fire is established, pull the Oven Damper handle forward. This will allow hot fumes from the fire to circulate in the inner cavity, thus heating the Oven. To maximize heat into the home, operate the Oven by having the damper control to the forward position. To reduce the heat going to the Oven, the oven damper control should be pushed to the upright position backward. This will allow the hot fumes to escape directly up the chimney, thus reducing the heat to the Oven. Do not run the fire for long periods with the door ajar, as damage may result. The oven air control slider on the door will allow small amounts of air to escape when the air control is open. This is a fine adjustment only, & you will find that in time operating the firebox wood load, oven damper control & the oven air control slider together, you will get the desired heat.

#### Operation of the oven temperature gauge:

The temperature gauge on the oven door indicates the oven temperature. **Please note:** The gauge is attached to the door and temperatures may drop if the oven door is left open for a prolonged period of time. Once the oven door is closed, the gauge will return to oven temperature.

#### TEMPERATURE GAUGE REMOVAL TO CLEAN

**Step 1:** Open the bottom oven door & loosen the 2 x glass bracket cap screws with a 3 mm Allen key. **Step 2:** Remove the temperature gauge.

Step 3: Clean and replace.

# Maintenance

### FIREBOX EXTERIOR

The exterior can be dusted with a firm brush. Do not use a cloth to clean, as this will drag on the paint finish leaving lint on the surface.

The exterior of the Woodburner is painted with a high-temperature cooking stove paint, and it may become necessary to repaint. High-temperature cooking stove paint is available from Warmington.

Prepare the surface by rubbing it down with a wire brush to ensure all fat deposits are removed. If you see signs of rust, clean down with a green Scotch-Brite pad, wipe with a damp rag, and spray with Stovebright paint when completely dry. We stock Stovebright black as well as coloured paint to match your Studio. It is recommended before touching up the with Stovebright paint to warm up and dry the steel with a heat gun, hair dryer or simply light some newspaper in the firebox and let it go out. Do not apply paint to a cold surface.

### FIREBOX INTERIOR

The stove's life can be significantly extended by cleaning the firebox interior at the end of winter. The glass door should stay relatively clean if the correct type of fuel is used, but from time to time, this can be cleaned - only when cold. Use a glass cleaner and a dry cloth or, depending on the soot build-up, a nylon pan scourer.

# REMOVING ASH

After using your fire for a few weeks, ashes accumulate in the firebox. The ash can be removed easily with a brush and shovel through the fire door when the fire is completely out. Place the ash in a non-combustible container and move it immediately outdoors to a location clear of combustible materials.

The amount of charcoal in the ash is a good indicator of how well you operate the fire, and you are doing a great job if there is no charcoal and only fine ash. Warmington wood-burning fires work best when a small amount of ash is left (approximately 25mm deep) in the firebox after cleaning, which aids with stable burning.

#### If there is a lot of charcoal left:

- you may be turning the combustion air down too soon after refuelling,
- not raking the charcoal to the combustion air inlet, or
- turning the combustion air down too low to support efficient combustion.

# The range



STUDIO Satin black



STUDIO Golden fire brown



STUDIO Mojave red



STUDIO Gold









STUDIO COMPACT PEDESTAL

STUDIO COMPACT WALL-MOUNT

STUDIO COMPACT LOG BOX STUDIO OOH-AH



STUDIO Moss green



STUDIO Metallic blue



STUDIO Naked



STUDIO OVEN



SOUTHERN SERIES - LINDIS

- LEWIS - MCKENZIE SOUTHERN SERIES CARDRONA COOKER TASMAN 46 L

#### Maintenance

#### OVEN (Studio Oven & Cardrona Cooker)

Spills should be mopped up immediately. Never use oven cleaners as they are too abrasive. Clean the outside channels of soot & deposits as shown in diagram.



### WETBACK

A wetback acts as a hot water booster. The wetback sits in the firebox. The inlet and outlet are at the back of the fire and require standard 25mm pipe connections to the threaded brass pipe of the wetback.

### FLUE SYSTEM

The flue should be cleaned annually or more frequently as required, ideally before every winter. To clean, remove the baffle plate inside the top of the firebox and close the door. With a ladder, access the roof and remove the cowl assembly. Ensure the door and air control are closed (turn clockwise) to ensure soot can fall into the firebox. With a chimney sweeping brush that suits the flue diameter, clean the flue from the top down ONLY. Remove soot/ash from the firebox.

Please Note: The flue diameter differs between models. Smaller flues may collect more soot and may need to be cleaned more frequently depending on usage.

# **Extras**

## REPLACEMENT PARTS

Replacement parts are available for all models of Woodburners. These include glass, baffles, door seals, handles and bricks. We also stock high-temperature paint if you need to touch up your woodburner. Order from our Online Shop or your local agent. Instructions on fitment and adjustments of replacement parts are in our specification sheets that are available under the specific product on www.warmington.co.nz.

### REFURBISHING SERVICE

We offer a refurbishing service to give your Woodburner a near-new and fresh look. You are welcome to send us your fire or a part thereof, and we will clean, re-spray and change any part that needs replacing. Send us photos by email, and we will give you a quote.

### ACCESSORIES

We produce a range of accessories, including:

■ WETBACKS: A wetback reduces environmental impact by boosting your water heating system and is designed to be mounted inside the fire.

■ HEARTHS: A hearth is laid directly over a combustible floor surface for heat protection and safety. Various sizes are available.

■ FIRE TOOLS: A quality brush, scoop and poker with our timeless wooden ball handles inside a simple steel holder.

■ CAST IRON PANS: Perfect to use on the cooktop surface, as well as inside the oven. Available in two sizes.

■ HEAT FAN: A freestanding fan placed on top of the cooktop. It aids in distributing the heat throughout the room.

■ WOOD STORAGE: Steel log stacker with hessian bag.

Full installation specifications and downloads on all our Woodburner Fires are available on the Warmington website. Use your smartphone in camera-mode to scan or go to www.warmington.co.nz/product-category/wood/woodburners/

# Maintenance Record

Date	Maintenance work done

Date	Maintenance work done

# Warranty

- 1. This Warranty comes into effect upon completion and return of the Warranty Registration Card by the Seller of the fire, no later than thirty (30) days from the date of purchase of the product. Please contact your Retailer for assistance. This Warranty is for the original purchaser and is not transferrable.
- Warmington Wood Fires are fully guaranteed against defective materials and workmanship as follows: <u>Studio, Southern Series and Tasman Series:</u> 5 years from the date of purchase. Does not include door glass, door seals, internal baffles, paint finishes, wetbacks, handles and temperature gauge (if fitted), or other consumables and accessories. <u>Flue systems</u> (Tested and approved Warmington flue system only): 12 months from the date of purchase.
- 3. This warranty does not cover, and Warmington Industries has no obligation in respect to:
  - Misuse, neglect or accident in transit, storage or normal use.

- Over-firing, which can result if the fire is used in such a manner to cause one or more of the fire parts to glow red. Over-firing can later be identified by warped plates and areas where paint pigment has burnt off.

- Not been operated or maintained according to the manufacturers instructions.
- Damaged through water, including any surface rust which may occur in transit or storage.

- The use of unsuitable fuels, like coal, treated timbers or salt contaminated wood.

- 4. This warranty covers only the Fire and excludes all associated equipment and Installation (which may be covered by other individual warranties).
- 5. The warranty does not cover any modification to the design of the Fire by the Dealer/Installer or Owner and applies to the original purchaser only.
- 6. Warmington Industries undertakes with the original purchaser, to remedy any defects for poor performance of the heater due to faulty workmanship or materials and/or circumstances which would render the heater parts or accessories unfit for normal use, provided the heater has been installed, inspected, operated and maintained with the manufacturer's instructions and terms of this warranty.
- 7. This warranty does not cover claims involving Fire Installations that do not conform to the correct and current standard and to the recommendations in our Installation Data.
- Any claim under this warranty is to be submitted first to the dealer from whom the stove was purchased. In such cases where the Dealer cannot be located, the fully completed warranty claim form should be returned to Warmington Industries.

#### If in doubt about any aspect of Operation/Installation of your appliance, please ask. We want to ensure you get maximum benefit and enjoyment from your appliance.





# Warmington

Manufacturer of superiour quality Wood, Gas, Indoor & Outdoor fires

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