Pellet and Wood Log Burning Stove
5kw Free Standing Model

Installation & Operating Instructions
Warranty Registration
GETTING STARTED

Thank you for purchasing a GDI Stove. With proper preparation, installation and use, this product will provide a lifetime of warmth and comfort. Before lighting the stove, check that the installer has followed all the directions in this manual. Make sure that the chimney has been swept and is free from any obstructions. This stove is not suitable to be used in a shared flue system. When using the stove in situations where children/infants are present, please ensure a fire guard is used at all times to prevent accidental contact with the stove.

Important warning: This stove should not be fitted into the same room as an extractor fan. Doing so will cause the stove to emit fumes into the room. Never fit this stove to a chimney that is already in use from another heating appliance.

ASSEMBLY

All GDI Stoves come pre-assembled, ready for installation.

HEALTH AND SAFETY

Handling - Make sure that adequate facilities are available for loading and unloading of this appliance

Asbestos - This stove contains no asbestos. If you are unsure as to whether or not you will be disturbing asbestos during the fitting of this appliance, please contact your local specialist and use the appropriate precautions.

Metal Parts - Take care to avoid personal injury when fitting this appliance.

Fire Cement and Glue - Please use protection when using fire cement and glue as they can cause harm and irritate. In case of contact, wash immediately.

If there is no existing chimney then a pre-fabricated block chimney or a twin walled insulated stainless steel flue can be used either internally or externally. These chimneys must be fitted in accordance with the manufacturer’s instructions and Building Regulations.

If it is found that there is an excessive draw in the chimney, then a draught stabilizer should be fitted.
CHIMNEY
The chimney height and the position of the chimney terminal should conform to Building Regulations. Get a professional to check that your chimney is in good condition. The diameter of the flue should not be less than 125mm and not exceed 200mm. If any of these requirements are not met, the chimney should be lined by a suitable method. The chimney must be swept before connection to the stove.

If the chimney has previously been used for an open fire installation, the increase in temperature the stove creates might cause loose material in the chimney to dislodge and create a blockage. It is recommended that the chimney is swept a second time within a month of regular use after installation has been done.

CONNECTING THE STOVE TO THE CHIMNEY
It is absolutely essential that the connection between the stove and the chimney is sealed properly. If there is a broken seal anywhere, the stove will not work to its full potential. 100% of the draw should be going through the stove inlets. We recommend getting a qualified fitter to make sure that this is done properly.

This stove is not for use in a shared flue system.

It is important that there is sufficient draw in the chimney and that the chimney does not suffer from down-draught. When the chimney is warm the draw should not be less than 0.1 inches water gauge. If in doubt about the chimney seek an experts advice.

HEARTH AND FIRE SURROUND
The stove must stand on a fireproof hearth that is at least 12mm thick. The hearth must extend in front of the stove by 640mm and to the side by 100mm.
CLEARANCE TO COMBUSTIBLES 5KW

Be sure to maintain the following clearances to all combustible materials:

- From Front: 920mm
- From Back: 380mm
- From Sides: 500mm
- From Flue Pipe: 600mm

COMMISSIONING

On completion of installation, the appropriate time must be given to allow any fire cement or mortar to dry properly.

Once this has been done the stove should be lit and checked to ensure that any smoke or fumes being emitted are taken up the chimney and escape safely.

On completion of the installation and commissioning, please leave the operating instructions with the customer and advise them on how to use the appliance safely.

⚠️ For added protection we recommend installation of an audible Carbon Monoxide Alarm where any stove is fitted.
FOR A FULLY LINED CHIMNEY

**Step 1**
Ensure that clearance to combustibles and local regulations are adhered to. (See clearance to combustibles on page 3)

**Step 2**
Remove all internal parts to minimize the weight of the stove. Lift the stove into position.

**Step 3**
Drop the chimney liner down through the flue. Connect the base of the chimney liner into the appropriate adaptor seal with fire cement or Fortafix Ceramix.

**Step 4**
Connect a 6” pipe from the top outlet of the stove to the flexible chimney liner using the appropriate adapter.
A ‘T’ fitting must be used for cases when the flue is connected from the rear of the stove.
Seal well with fire cement or Fortafix Ceramix.
No more than 150mm of a horizontal run of flue pipe can be used if going from the rear of the stove.

**Step 5**
Complete the installation of the flexi liner at the top of the chimney in accordance with the manufacturers instructions.
FOR A CHIMNEY THAT IS NOT FULLY LINED

(Flue adaptor, Closure plate and Pipe extension)

Step 1
Ensure that clearance to combustibles and local regulations are adhered to. (See clearance to combustibles on page 3)

Step 2
Remove all internal parts to minimize the weight of the stove. Lift the stove into position.

Step 3
Connect a 6” flue pipe from the top outlet of the stove in to the appropriate clay line adapter.
A ‘T’ fitting must be used for cases when the flue is connected from the rear of the stove (see figure right).
Seal well with fire cement or Fortafix Ceramix.
No more than 150mm of a horizontal run of flue pipe can be used if going from the rear of the stove.
LIGHTING

1. Pull air-flow regulator lever fully out to allow maximum air-flow.

2. Open door and fill pellet basket to the top - evenly in both halves. A full basket will burn for approx. 1½ hrs without re fuelling.

   **Do not overfill basket and cover the central divider.**

3. Cover the pellets evenly with lighting fluid, we recommend “Bio Ethanol” as it establishes a strong flame quickly and has less oudor than other lighting fluids. Use approx 50ml of fluid on each half of the basket.

   **Only ever use the recommended lighting fluid or BBQ lighting fluid, never use petroleum spirit, white spirit, parafin ect.**

4. Light both sides of the basket and close the door. Allow the pellets to establish a strong yellow flame, approx 15mins before pushing the airflow lever back in. Pushing it back in earlier with a weak flame may cause the flame to die down. If so simply pull the lever back out for a few more minutes.

5. The airflow lever can be used to control the burn rate, push back in fully for a long slower burn, or halfway for a shorter hotter burn.

6. At the slower burn rate (lever fully in) you will get a yellow lazy flame for approx 1hr before it starts to die down. This die down is normal with pellets. When you lose the flame completely you can either pull the airflow lever halfway to introduce the secondary air flow through the pellets which will create a second burn with an attractive blue flame, or you can refuel the basket to establish a yellow flame again (see refuelling).
REFUELLING WITH PELLETS

1. When refueling, use the multi-tool provided to remove the chute hatch (on top of the stove).

2. Pull air-flow regulator lever fully out to allow maximum air-flow to re-establish a flame if non present.

3. Add a small amount of pellets (40 grams - 1/4 of scoop provided) to create a strong flame.

4. Once a strong flame has been established, add 1 scoop of pellets every 30 seconds until the basket is full and replace the chute hatch. Approximate burning time between refueling is 1 hour 15 mins.

5. Use the airflow regulator to control the burn rate as usual.

IMPORTANT

Do not pour more pellets into the stove if a flame hasn’t been established, doing this will smother the flame and cause the pellets to smolder and create gases. This gas if left too long, will ignite suddenly once a flame has been created. This is known as a blow back or “woofing”.

If you smother the flame and you see gases building up simply open the door a little (10-15mm) or remove the refuelling chute cover to create additional airflow until the flame ignites.
The Chameleon stove can easily be converted to burn wood rather than pellets if required. There are two options when converting to wood, partial conversion or full conversion. The controls for burning wood logs operate in the same way as burning pellets.

**Partial conversion** is the simplest and is recommended if you just want to burn wood on the odd occasion and don’t want to remove the pellet chute. Not removing the chute will reduce the burning capacity and may require smaller logs.

**Full conversion** is recommended if you want to wood for a longer period.

**PARTIAL CONVERSION**
1. Remove the pellet basket.
2. Put the wood burning grate in place and centre with the adjusting bracket to top front centre. The grate is used to assist ash removal only and should be left in open position at all times.
3. Slide in log retainer ensuring location in front of retaining lugs.

**FULL CONVERSION**
1. Remove the pellet basket.
2. Remove the side fire bricks (both sides)
3. Remove the side baffles (both sides)
4. Remove the lower back fire brick.
5. Remove 2 x M8 socket head bolts which hold the chute in place to remove the chute.
6. Using the same bolts, fix the lid blanking plate in place.
7. Place the wood burning baffle in the upper fire box chamber and place both side fire bricks back into their original positions to support the baffle. Ensure the baffle is put in place with the bends facing upwards.
8. Put the wood burning grate in place and centre with the adjusting bracket to top front centre. The grate is used to assist ash removal only and should be left in open position at all times.
9. Ensure the under lid sealing rope is in position before use.
10. Slide in log retainer ensuring location in front of retaining lugs.

**Do not attempt the full conversion if it is beyond your capabilities. Contact your stove installer to make the conversion for you.**
If kept in good working order and installed correctly, your GDI Stove will not emit harmful fumes to the room. However, while refueling and emptying the ash pan, a small amount of fumes may be occasionally released. If escaping fumes become persistent, it becomes very hazardous to the users health. If this is the case, please follow these instructions carefully:

- Open all windows and doors to provide ventilation to the space.
- Quickly leave the room.
- Allow the fire to burn itself out and promptly remove and dispose of the fuel used in the stove.
- Once deemed safe to do so, check the chimney for blockages and if necessary, clean the chimney.
- Do not relight the fire until you are confident you have identified the cause of the leakage and corrected it for future use. If you cannot achieve this yourself, ensure you contact an expert to assist you.
- A carbon monoxide alarm adhering to local regulations should always be present in a room which is fitted with a stove. If the alarm sounds, follow these instructions carefully.

The controls for burning wood logs operate in the same way as burning pellets.

Never extinguish the flame completely when loading pellets

CLEANING THE ASH
The ash pan should be emptied regularly and should never be allowed to become full. If you allow the ash pan to become full it will decrease the life span of the stove grate. This Stove comes with a special tool for lifting the ashpan, this should only be done when the ashes are cool.

FUELS
We recommend only using A1 EN Plus Pellets. A1 pellets produce the least amount of ash and fulfill the highest requirements, ensuring you get maximum performance from your stove.
MAINTENANCE

CLEANING
All GDI Stoves are painted with heat resistant paint. The paint will withstand the heat encountered in normal use. This may be cleaned with a damp lint-free cloth when the stove is cold. The paint may dull in time and should re-painting become necessary, high heat paint will be available for purchase from your supplier.

GLASS CARE
All of our stoves are fitted with hardened ceramic glass. This glass can withstand temperatures of up to 310 degrees, however if the stove is being overfired (run too hot) it can damage the glass.

Another possibility of harm to the glass can be caused by using fuels with high amounts of sulphur.

Under certain very specific conditions, it is possible to set up a combustion environment where a chemical reaction between the glass ceramic and sulphurous deposits, which attach themselves to the glass surface (through condensation), can take place.

Initially, this may manifest itself only as a series of white deposits on the glass (which can be cleaned off with ease). However, if these deposits are left on the glass surface over a prolonged time period and subjected to repeated thermal cycling in non-ideal burn conditions, an effect known as "crazing" (fine cracks appearing in the combustion surface of the glass ceramic window) can occur.

Our warranty does not cover damage to the glass or any of the above occurrences.

When cleaning the glass, make sure that the stove is cold. Use a damp non abrasive cloth to wipe the glass clean. Using an abrasive cloth will scratch the glass and lower it's lifespan considerably. If there are still deposits on the glass that you can't clear, stove glass cleaner or hob cleaner can be used. Please be careful not to use aerosol spray cleaners once the stove is in use.

When the stove is not being used i.e. Summer time, leave all air controls open to prevent condensation and rust. Make sure to clean the chimney once a year. Also, clean the stove firebox from any tar build up that may have occurred. Spray WD40 or a light oil on the door and all internal parts to help keep the stove working well.
MAINTENANCE

DOOR SEALS
To allow the stove to work efficiently, check that the door seal is in good condition and that it hasn’t worn or frayed in any place. Replace the fire rope when necessary.

SERVICING
We recommend that you service your stove once a year to keep it in proper working order. After cleaning out the stove thoroughly make sure that all internal parts are not damaged. Check the rope seal and make sure the door is sealing properly. Replace any parts that begin to show signs of wear. Please only use GDI replacement parts.

CHIMNEY SWEEPING
We recommend that your chimney is swept twice a year. If a top outlet is being used you can generally sweep the chimney through the stove unit. However we recommend getting a qualified chimney sweep who knows how to do the job properly. If the chimney cannot be cleaned through the appliance, it can be cleaned by alternative means which the installer would have provided, such as a soot door.

BAFFLE AND FLUE-WAY CLEANING
It is very important that the baffle and flue-way are kept clear. They should be checked once a week to make sure they are free from soot and tar. Any build-up of soot will have an effect on the output of your stove and must be removed. To remove the baffle, simply lift upwards away from the scamoxel baffle. Doing this should allow you to maneuver the baffle downwards and out through the stove doorway.
OVERFIRING

**BE CAREFUL NOT TO OVERFIRE** - it is possible to fire the stove beyond its design capacity, this could damage the appliance, so watch for signs of overfiring - if any part of the appliance starts to glow red, the fire is in an overfire situation and the controls should be adjusted accordingly.

Never leave the appliance unattended for long periods without first adjusting the controls to a safe setting - careful air supply control should be exercised at all times.

Any unauthorised modifications of this appliance will render the guarantee null and void and could be potentially dangerous. Replacement parts should only be sourced from GDI Stoves approved dealers.

CO² ALARMS

Building Regulations require that whenever a new or replacement fixed solid fuel or wood/biomass appliance is installed in a dwelling a carbon monoxide alarm must be fitted in the same room as the appliance. Further guidance on the installation of the carbon monoxide alarm is available in BS EN 50292:2002 and from the alarm manufacturer’s instructions.

Provision of an alarm must not be considered a substitute for either installing the appliance correctly or ensuring regular servicing and maintenance of the appliance and chimney system. Your installer should have fitted a CO² alarm in the same room as the appliance. If the alarm sounds unexpectedly, follow the instructions given on page 9.

IN THE EVENT OF A CHIMNEY FIRE

Raise the alarm to let others in the house know.

- Call the Fire Brigade
- Reduce the appliance-burning rate by closing all air controls.
- Move furniture and rugs away from the fireplace and remove any nearby ornaments.
- Place a fireguard or spark guard in front of the appliance
- Feel the chimney breast for sign of excessive heat.

If the wall is becoming hot, move the furniture away. Ensure that the Fire Brigade can gain access to your roof space in order to check this area for signs of fire spread.
TECHNICAL DATA

DIMENSIONS

TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Beech</th>
<th>Pellets</th>
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</thead>
<tbody>
<tr>
<td>Solid Fuel</td>
<td>4.7kw</td>
<td>5.8kw</td>
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<tr>
<td>CO Vol</td>
<td>0.21%</td>
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<tr>
<td>Flue Outlet</td>
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<tr>
<td>Flue Draught</td>
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<tr>
<td>Efficiency</td>
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<tr>
<td>Log Size</td>
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<tr>
<td>SYMPTOM</td>
<td>CAUSE</td>
<td>SOLUTION</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
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</tbody>
</table>
| Difficulty starting fire and keeping it lit well | • Low flue draught  
• Wet wood/pellets (over 20% moisture content) | • Consult your installer  
• Use dry wood/pellets (<20% moisture content) |
| Poor burning control                         | • High flue draught                                                  | • Consult your installer                                                 |
| Short burn times                             | • Wet wood/pellets (>20% moisture)  
• Insufficient amount of fuel | • Use dry, seasoned wood/pellets (<20% moisture)                          |
| Excessive heat/Over-firing                   | • High flue draught  
• Air control fully open                                               | • Consult your installer  
• Close air control to reduce heat output                                 |
| Low heat output                              | • Low flue draught  
• Wet wood/pellets (>20% moisture)                                      | • Consult your installer  
• Use dry wood/pellets (<20% moisture content)                             |
| Excessive fuel consumption                   | • High flue draught  
• Over dry wood/pellets                                                  | • Consult your installer  
• Do not use excessively dry wood/pellets                                  |
| Smoke and small flames                       | • Wet wood/pellets (>20% moisture)                                     | • Use dry, seasoned wood/pellets (<20% moisture)                          |
| Intermittent smoke spillage into room when stove is in use | • Low flue draught  
• Insufficient ventilation in room                                       | • Consult your installer  
• Consult your installer                                                 |
| Continuous smoke spillage into room when stove is in use | • Blocked flue                                                     | • Consult your installer  
• Open all windows and doors  
• Allow fire to burn out and check for blockages                           |
| Blue/grey smoke from chimney                 | • Wet wood/pellets (>20% moisture)                                     | • Use dry, seasoned wood/pellets (<20% moisture)                          |
| Windy days, intermittent smoke spillage into room when stove door is open | • Down-draught cause by turbulence caused by nearby buildings or trees | • Weather/flue position can effect stove  
• Contact your installer                                                 |
# TROUBLESHOOTING

<table>
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<tr>
<th>SYMPTOM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
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</table>
| Calm days, intermittent smoke spillage into room when stove door is open | • Oversized flue                           | • Weather/flue position can effect stove  
• Consult your installer                                      |
| Damp/rainy days, problems when lighting and burning      | • Room temperature low/rainwater inside flue | • Use dry, seasoned wood/pellets (<20% moisture)  
• Fit a rain cowl                                              |
| Wind noise from air control                              | • High flue draught                        | • Consult your installer                                                |
| Rapid creosote build-up in chimney                       | • Wet wood/pellets (>20% moisture)         | • Use dry, seasoned wood/pellets (<20% moisture)  
• Operate at high temperatures occasionally                |
| Tar coming from flue joints                              | • Stove operating at continuously low temperatures  
• Using poor quality wood/pellets                           | • Use dry, seasoned wood/pellets (<20% moisture)  
• Operate at high temperatures occasionally  
• See user instructions for correct use of air controls   |
| Strong smell after stove is lit                          | • Stove operating at continuously low temperatures  
• Using poor quality wood/pellets                           | • Operate at high temperatures occasionally  
• Use dry, seasoned wood/pellets (<20% moisture)            |
| Dirty fire bricks                                        | • Wet wood/pellets (>20% moisture)         | • Use dry, seasoned wood/pellets (<20% moisture)                       |
| Glass blackening                                         | • Poor quality wood/pellets  
• Low flue draught  
• Incorrect use of air controls  
• Stove operating at continuously low temperatures         | • Use dry, seasoned wood/pellets (<20% moisture)  
• Consult your installer  
• See user instructions  
• Operate at high temperatures occasionally                  |
GDI Stoves are pleased to extend the following warranty to the original purchaser of a GDI Stoves product.

WARRANTY CONDITIONS
The Warranty extends to the original purchaser only. The warranty comes into effect when you complete and return the warranty registration form, if you do not return the registration form to the address indicated, there will be no warranty in place for your stove in excess to your statutory rights.

1. Freight damage to stoves or to replacement parts, is not covered by warranty and is subject to a claim against the freight carrier by the dealer.

2 The outside castings and boilers, where fitted, are covered by warranty for a period of 5 years from the date of purchase. All other wearable components of the stove are not covered by warranty. Wearable parts include grate, rope, thermostat, baffle, board, log retainer, ash pan, riddler etc...

3 This stove must be installed in accordance with the latest local building regulations. The chimney that the stove is connected to must also be in accordance with the latest building regulations. All installation instructions in the manual must be followed.

4 If a technician has to call to fit parts, there will be a call out charge that must be paid to the technician on arrival. GDI Stoves’ service department should be contacted in the first instance when a service is required.

EXCLUSIONS
This extended warranty does not cover installation and operational related problems such as over-firing, use of inappropriate fuel, down draughts, or spillage caused by environmental conditions, nearby trees, buildings, hilltops, mountains, inadequate venting or ventilation, excess offsets in flueing, or negative air pressure caused by mechanical systems such as furnaces, fans, clothes dryers, or other air using appliances.
The warranty does not extend to any parts which show evidence of misuse or abuse, neglect, accident or lack of maintenance. Products made by other manufacturers and used in conjunction with the operation of this appliance without authorisation from GDI may nullify the warranty of this product.

REPLACEMENT PARTS/MODIFICATIONS
Replacement parts for GDI Stoves can be ordered through any authorised dealer. Use only genuine GDI Stoves parts for all maintenance and repairs. Under no circumstances should any modifications be made to the GDI Stove, aesthetically or functionally. Any modifications to the stove will void the warranty and may result in serious injury and/or property damage.

WARRANTY REGISTRATION
Please register your warranty by returning this completed form to GDI Stoves at the address overleaf. Failure to do so may result in the warranty being invalid.

<table>
<thead>
<tr>
<th>Stove Model:</th>
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<tbody>
<tr>
<td>Serial No.</td>
<td></td>
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<tr>
<td>Purchase Date:</td>
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<tr>
<td>Customer Name:</td>
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</tr>
<tr>
<td>Customer Address:</td>
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<tr>
<td>Customer contact Number:</td>
<td></td>
</tr>
<tr>
<td>Where Stove was purchased:</td>
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</tbody>
</table>

Signed: _______________________________  Date: _______________________________

By signing this, you are agreeing to the Terms & Conditions as stated in the Operating Manual.