Pellet and Wood Log Burning Stove
5kw Free Standing Model

Installation & Operation Instructions
Warranty Registration

Green Dream Innovation
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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.

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.

CHIMNEY
The chimney height and the position of the chimney terminal should conform to Building Regulations. Make sure to get a professional to check the chimney and make sure it 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.

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.

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 or between 15-25 Pascals. If in doubt about the chimney seek an expert’s advice.

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
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<tr>
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<tr>
<td><strong>Solid Fuel</strong></td>
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<tr>
<td>Gross Weight</td>
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<tr>
<td>Flue Outlet</td>
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<tr>
<td>Flue Draught</td>
</tr>
<tr>
<td>Efficiency</td>
</tr>
<tr>
<td>Log Size (for multi fuel kit)</td>
</tr>
<tr>
<td>Pellet Capacity</td>
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</tbody>
</table>
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 400 and to rear and side by 127mm.

CLEARANCE TO COMBUSTIBLES
Make sure to maintain the following clearances to all combustible material:

<table>
<thead>
<tr>
<th>From</th>
<th>mm</th>
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<tbody>
<tr>
<td>From Front</td>
<td>920</td>
</tr>
<tr>
<td>From Back</td>
<td>380</td>
</tr>
<tr>
<td>From Sides</td>
<td>500</td>
</tr>
<tr>
<td>From Flue Pipe</td>
<td>600</td>
</tr>
</tbody>
</table>
FITTING INSTRUCTIONS - FOR A FULLY LINED CHIMNEY
This stove must be fitted by a qualified installer & most recent building regulations must be adhered to. Failure to do so will nullify your warranty.

Step 1
Ensure that the area is suitable for fitting of the stove.
i.e. Clearances, Hearth. Ensure that the floor area is level as the stove needs a stable base to sit on.

Step 2
Measure the length of flexi-flue needed. Fit flue joiner to the flexi flue. Place down the chimney using correct fittings.

Step 3
Fit the flue pipe to the flexi flue adaptor and install the closure plate. Fill the void in the chimney (between the clay liner and flexi-flue) with a 5:1 vermiculite and cement mixture.

Step 4
Remove all internal parts to minimize the weight of the stove. Lift the stove into position and seal using a bead of fire cement or Fortafix Ceramix. Make sure that all clearance to combustibles are adhered to. (See page 5)
FITTING INSTRUCTIONS - FOR A CHIMNEY THAT IS NOT FULLY LINED

This stove must be fitted by a qualified installer & most recent building regulations must be adhered to. *Failure to do so will nullify your warranty.*

**Step 1**
Ensure that the area is suitable for fitting of the stove.
i.e. Clearances, Hearth. Ensure that the floor area is level as the stove needs a stable base to sit on.

**Step 2**
Take the measurement of the clay chimney liner to determine what clay adaptor to use. The Chameleon has a 5” flue outlet.

**Step 3**
Push the clay adapter into position and make a seal using approved fire cement between the adaptor and the clay liner.

**Step 4**
Measure and cut the extension pipe at the straight end to the required dimension.

**Step 5**
Insert the extension pipe into the clay adapter making sure that there is a bead of fire cement or Fortafix Ceramix inside the adapter and on the end of the extension pipe.

**Step 6**
Remove all internal parts to minimize the weight of the stove. Lift the stove into position and seal using a bead of fire cement or Fortafix Ceramix. Make sure that all clearance to combustibles are adhered to. *(See page 5)*
COMMISSIONING

On completion of this appliance 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.
OPERATING INSTRUCTIONS
Chameleon: Pellet Stove

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

LIGHTING
Cover the fuel basket with Pellets and place some firelighters amongst them. Pour a small amount of BBQ Lighter fluid over pellets. Light with long safety matches and establish a good flame. Make sure the damper control is pushed in fully. This promotes primary air to establish heat quickly.

Important: never use lighter fluid when the fire is running. Once a good fire has been established and the stove is up to temperature, pull the damper control out fully. Having the damper control at this setting creates the airwash to help keep the glass clean.
The Chameleon produces two types of flame patterns throughout the burn time of a basket. For the first half you get a yellow flame and from the second half of the burn you will get a blue/green flame. Once the yellow flame starts to die push the control fully into the primary air position. Leave at this setting until the flame starts to die, at this point it is time to refuel.

Important - never let the flame completely die out before refueling.

PLEASE NOTE: the first time you light your new stove, it may smoke and omit a slight odour, this is normal and will cease after a day or two and is simply the paint reacting with the heat. During the initial week of lighting your stove, gradually build up the size of your fire, this will allow the paint to adhere to the stove properly.

Take care not to smother the flame by adding too much pellets at one time, if this happens, it will cause the pellets to create too much smoke within the stove. Once the fire is up to temperature, pull the lever to the fully out position. We recommend using a flue thermometer to gauge the burning rate of the stove.

REFUELLING
When refueling, use the multi-tool provided to open the chute door (on top of the stove). Add 40 grams of pellets (1/4 of scoop provided) to re-establish a good flame. Do not place 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 once a flame has been created. This is known as a blow back. If you smother the flame and you see gases building up remove the chute lid from the stove until the flame ignites. This will minimise the gasses created inside of the stove.

Add 1 scoop of pellets every 30 seconds until the basket is full. Once a good flame has been established pull the damper control fully out to restart the burn process. Approximate burning time between refueling is 1 hour 15mins.

The secondary air can be controlled further by pushing the control forward from the outermost position by 10mm, at which point primary air starts to open.

If kept in good working order and initially 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 sound, 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.
CONTROLLING THE FIRE
Once the fire is established pull the bottom damper control out. When the yellow flame starts to die push the damper control in fully. This will create a second burn with a blue flame.

CLEANING THE ASH
The ashpan & basket 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 & basket. The 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 to 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 its 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 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 at least 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 keeping the stove working well.

**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, this can be bought from your local supplier.

**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 Stoves replacement parts.
Chimney Sweeping
We recommend that your chimney is swept twice a year by 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 scamolex baffle. Doing this should allow you to maneuver the baffle downwards and out through the stove doorway. See Figure 1 below.
Please read these instructions carefully as they cover basic instructions on how to ensure a satisfactory installation of this appliance. Please keep this manual safe and use it as a reference for future needs with this appliance. The installation of this stove must comply with national and European regulations and local codes. Also note that the requirements and these publications may be superseded during the life of this manual.

**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.

There must be adequate air ventilation into the room. This is to provide the stove with combustion air for it to work properly. The combustion air supply must be via a permanently open vent. Minimum requirement is 62.7cm²
## Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difficulty starting fire and keeping it lit well</td>
<td>- Low flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td></td>
<td>- Wet wood/pellets (over 20% moisture content)</td>
<td>- Use dry wood/pellets (&lt;20% moisture content)</td>
</tr>
<tr>
<td>Poor burning control</td>
<td>- High flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td>Short burn times</td>
<td>- Wet wood/pellets (&gt;20% moisture)</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
</tr>
<tr>
<td>Excessive heat/Over-firing</td>
<td>- High flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td></td>
<td>- Air control fully open</td>
<td>- Close air control to reduce heat output</td>
</tr>
<tr>
<td>Low heat output</td>
<td>- Low flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td></td>
<td>- Wet wood/pellets (&gt;20% moisture)</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
</tr>
<tr>
<td>Excessive fuel consumption</td>
<td>- High flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td></td>
<td>- Over dry wood/pellets</td>
<td>- Do not use excessively dry wood/pellets</td>
</tr>
<tr>
<td>Smoke and small flames</td>
<td>- Wet wood/pellets (&gt;20% moisture)</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
</tr>
<tr>
<td>Intermittent smoke spillage into room when stove is in use</td>
<td>- Low flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td></td>
<td>- Insufficient ventilation in room</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td>Continuous smoke spillage into room when stove is in use</td>
<td>- Blocked flue</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Open all windows and doors</td>
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<tr>
<td></td>
<td></td>
<td>- Allow fire to burn out and check for blockages</td>
</tr>
<tr>
<td>Blue/grey smoke from chimney</td>
<td>- Wet wood/pellets (&gt;20% moisture)</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
</tr>
<tr>
<td>Windy days, intermittent smoke spillage into room when stove door is open</td>
<td>- Down-draught cause by turbulence caused by nearby buildings or trees</td>
<td>- Weather/flue position can effect stove</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Contact your installer</td>
</tr>
<tr>
<td>Calm days, intermittent smoke spillage into room when stove door is open</td>
<td>- Oversized flue</td>
<td>- Weather/flue position can effect stove</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Consult your installer</td>
</tr>
<tr>
<td>Damp/rainy days, problems when lighting and burning</td>
<td>- Room temperature low/rainwater inside flue</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
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<tr>
<td></td>
<td></td>
<td>- Fit a rain cowl</td>
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<tr>
<td>Wind noise from air control</td>
<td>- High flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td>Rapid creosote build-up in chimney</td>
<td>- Wet wood/pellets (&gt;20% moisture)</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
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<tr>
<td></td>
<td></td>
<td>- Operate at high temperatures occasionally</td>
</tr>
<tr>
<td>Tar coming from flue joints</td>
<td>- Stove operating at continuously low temperatures</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
</tr>
<tr>
<td></td>
<td>- Using poor quality wood/pellets</td>
<td>- Operate at high temperatures occasionally</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- See user instructions for correct use of air controls</td>
</tr>
<tr>
<td>Strong smell after stove is lit</td>
<td>- Stove operating at continuously low temperatures</td>
<td>- Operate at high temperatures occasionally</td>
</tr>
<tr>
<td></td>
<td>- Using poor quality wood/pellets</td>
<td>- See user instructions for correct use of air controls</td>
</tr>
<tr>
<td>Dirty fire bricks</td>
<td>- Wet wood/pellets (&gt;20% moisture)</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
</tr>
<tr>
<td>Glass blackening</td>
<td>- Poor quality wood/pellets</td>
<td>- Use dry, seasoned wood/pellets (&lt;20% moisture)</td>
</tr>
<tr>
<td></td>
<td>- Low flue draught</td>
<td>- Consult your installer</td>
</tr>
<tr>
<td></td>
<td>- Incorrect use of air controls</td>
<td>- See user instructions</td>
</tr>
<tr>
<td></td>
<td>- Stove operating at continuously low temperatures</td>
<td>- Operate at high temperatures occasionally</td>
</tr>
</tbody>
</table>
Conversion To Wood Log Burning

- Maximum log size - 75Ø x 200mm
- Only use wood with moisture content below 20%

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.
WARRANTY

GDI is pleased to extend the following warranty to the original purchaser of a GDI 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. Yolas 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 flue, or negative air pressure caused by mechanical systems such as furnaces, fans, clothes driers, 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 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 Green Dream Innovation.
Failure do to so may result in the warranty being invalid.

<table>
<thead>
<tr>
<th>Stove Model:</th>
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<tbody>
<tr>
<td>Boiler/Non Boiler Mode:</td>
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<tr>
<td>Purchase Date:</td>
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<table>
<thead>
<tr>
<th>Customer Name:</th>
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<tbody>
<tr>
<td>Customer Address:</td>
</tr>
<tr>
<td>Customer contact Number:</td>
</tr>
<tr>
<td>Where Stove was purchased:</td>
</tr>
</tbody>
</table>

Signed: _______________________________ Date: ______________________

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

Thank you for completing this Warranty Registration Form, please post it to