



Quick Guide

User and Installation

This guide must be read in conjunction

with the Duroflame Operation and Installation Manual

Table of Contents

1. Installing a Duroflame Pellet stove.....	1
2. Control panel.....	2
3. Basic settings.....	3
i. Setting the language.....	3
ii. Setting the time and date.....	3
iii. Setting the weekly programme.....	4
iv. Setting your desired room temperature.....	5
v. Setting your desired power level.....	5
4. Starting the stove.....	5
i. Turning on.....	5
ii. Turning off.....	6
iii. Stove parameters.....	6
5. Maintenance.....	7
i. General maintenance.....	7
ii. Cleaning combustion pot and ashpan.....	7
iii. Cleaning the combustion chamber.....	7
iv. Cleaning the pellet hopper.....	7
v. Cleaning the glass.....	7
vi. Cleaning schedule.....	8

1. Installing a Duroflame Pellet stove

The Duroflame pellet stove is a Class 1 solid fuel appliance and so the stove and chimney installation must conform to all the requirements of the current UK Building Regulations.

i. Hearth

The stove must sit on a non-combustible hearth that is a minimum of 12mm thick with at least 150mm of hearth at the sides and at least 225mm in front.

ii. Distance to combustibles

The stove must maintain the following distance to combustible materials: Sides – 30 cm, Rear – 20 cm, Front - 80 cm.

When installed in front of a non-combustible wall the stove must maintain a gap of at least 50mm behind it.

iii. Flue connection and Chimney

The Stove must connect to a Class 1 chimney that complies with all the requirements of Document J of the Building Regulations. This would normally be a twin wall insulated flue or an insulated flexible liner inside an existing masonry stack.

Duroflame stoves have an 80mm rear flue outlet. This should be connected to a 90° tee (Rhinus, Pelle, Batavia, Carre, Ben) or to a 90° 3 segment bend with door with a female/female adaptor (Rembrand). If the elbow or tee does not permit easy access for sweeping then the first vertical length must have a door.

The usual configuration from the stove is an 80mm 90° Tee/elbow, an 80mm to 100mm adaptor and a 100mm straight length with door. Where the flexible liner or a twin wall system connects to the rigid flue it should utilise a 100-125mm flex adaptor or twin wall adaptor. Duroflame recommends a chimney diameter of no more than 125mm.

iv. Electrical Connection

In the stove will be found a 'kettle lead' with a 3 pin plug. This should be connected to a suitably earthed plug socket. Care should be taken in routing the cable.

v. Direct Air Connection

There is an air inlet spigot on the back of the stove to allow a direct connection to be made to the outside using a suitable duct. This will enable the stove to draw its combustion air from outside. The spigot size is 40mm on the Rembrand and Carre and 50mm on the Pelle, Rhinus and Batavia. It is always good practice to increase the duct size, particularly where the duct will be longer than one metre or have any bends in it.

2. Control panel



1 - Set – This button is used to confirm or to enter a selected menu.

2 - Auto – Use this button to choose between automatic or manual functioning.

Automatic will turn on and off using the weekly programme, manual means that the stove will need to be turned on and off by the end user.

3 - On/Off – Use this button to switch the pellet stove on and off. This button is also used to exit a menu.

4 / 5 - Temperature – Use these buttons to set the desired room temperature. These buttons are also used for scrolling through menus and settings.

6 / 7 - Power – Use these buttons to set the desired power of the pellet stove. These buttons are also used for scrolling through menus and settings.

3. Basic settings

i. Setting the language



Press 1 to enter into the main menu.

Use + temperature arrows until you see 'Sprachwahl' (select language in dutch)

Press 1 to enter into 'Sprachwahl'.

Use +/- power arrows to change the language to English.

Press 1 to confirm the changes.

Press 3 until you are back at the main screen.

ii. Setting the time and date

Press 1 to enter into the main menu.

Press 1 to enter into 'Time / Date'

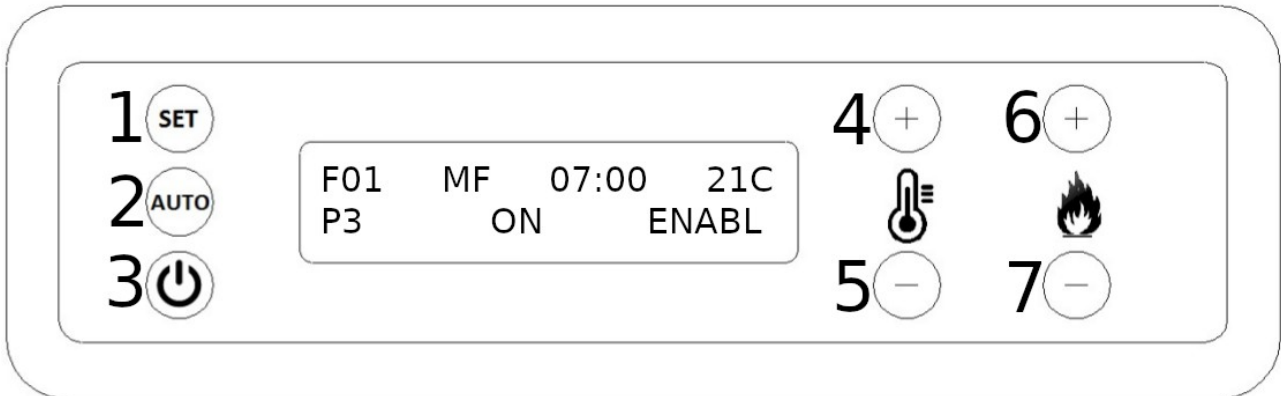
Use +/- power arrows to scroll between the time and date.

Use +/- temperature arrows to change the time and date.

Press 1 to confirm the changes.

Press 3 until you are back at the main screen.

iii. Setting the weekly programme



Press 1 to enter into the main menu.

Use + temperature arrows until you see 'Weekly Programme'.

Press 1 to enter into 'Weekly Programme'.

Picture above will be displayed

Use +/- power arrows to scroll through the weekly programme menu.

Use +/- temperature arrows to change the weekly programme settings.

Press 1 to confirm the changes.

Press 3 until you are back at the main screen.

KEY:

F01 = This is the programme number. You can set up to 15 different programmes.

MF = Monday to Friday. SS Saturday to Sunday. MO, TU, WE, TH, FR, SA, SU can be used to set individual days.

07:00 = Time for the programme to start or stop.

21C = The temperature you'd like the stove to reach in this programme.

P3 = The power level you'd like the stove to run at in this programme.

ON = Choose between on and off to indicate whether the stove should start or stop in this programme.

ENABL = To indicate whether you'd like this programme on (ENABL) or off (No A.).

iv. Setting your desired room temperature

On the main screen, press +/- temperature arrows to change your desired room temperature.

The symbol **Ta** indicates ambient room temperature.

The symbol **Ti** indicates your desired set room temperature.

v. Setting your desired power level

On the main screen, press +/- power arrows to change your desired power level.

The symbol **P** indicates your desired power level.

P1 is reduced output and P5 is maximum output.

4. Starting the stove

i. Turning on

Start the stove by pressing and holding button 3 until you hear a beep.

Ignition on = Will be displayed which takes the stove through its following steps:

Cleaning/preheating = The ignition element and exhaust fan run in this phase.

Loading pellets = Pellets are added until a fire starts.

Ignition and stabilisation = After the flue temperature has risen enough then the stove will enter into stabilisation for a few minutes which will allow the flame to grow slowly before entering the power mode.

ii. Turning off

Stop the stove by pressing and holding button 3 until you hear a beep.

Cooling stove = Will be displayed, the exhaust fan increases and cools the fire down, this process will take roughly 20 minutes.

iii. Stove parameters

You can make quick percentage adjustments to the pellet auger feed rate, exhaust fan speed and room fan speed by following these steps.

Please make sure that these changes are done by a trained installer.

Press 1 to enter into the main menu.

Use + temperature arrows until you see 'Stove Parameters'.

Press 1 to enter into 'Stove Parameters'.

Use +/- power arrows to scroll through the stove parameters menu.

Press 1 to enter into one of the three stove parameters which are:

a) Pellets Charging (pellet auger feed rate)

b) Smoke drainage (exhaust fan speed)

c) Fan environment (room fan speed)

Use +/- temperature arrows to change the percentage on each of the settings.

Press 1 to confirm the changes.

Press 3 until you are back at the main screen.

5. Maintenance

i. General maintenance

Be sure to carry out regular maintenance and clean the stove as described in the following paragraphs to ensure the stoves long life. Any maintenance or cleaning should be carried out by a trained installer adter each year or 1200 hours of use.

ii. Cleaning combustion pot and ashpan

Clean the combustion pot and ashpan before each use. Cleaning the combustion pot is important for complete combustion to take place. Failing to clean the combustion pot may clog the holes and prevent the air from properly achieving combustion. When cleaning, make sure no ash or pellets are left under the combustion pot.

iii. Cleaning the combustion chamber

It is important to vacuum out and empty the pellet stove on a regular basis. Use a vacuum cleaner suitable for ash extraction or a special ash vacuum cleaner.

iv. Cleaning the pellet hopper

Clean your pellet hopper every 3 months, depending on your pellets and consumption. If too much dust and sawdust accumulates at the bottom of the tank, the auger screw may be unable to load sufficient pellets or may get stuck, resulting in damage.

v. Cleaning the glass

The glass in the door must be cleaned to maintain a clear view of the fire. The frequency of cleaning depends on the pellets used but it is recommended to do it each day to prevent any build up on the glass. Clean the glass using a damp paper cloth dabbed in ash and wipe it dry.

The glass in the stove is resistant to high temperatures, but it can break if it is cooled down too quickly. Be sure to wait until the stove has completely cooled down before cleaning.

vi. Cleaning schedule

Parts/Period	Before each use	Every 2 days	Every 7 days	Every 90 days	Annually & after 1200 burning hours
Combustion pot	X				
Window		X			
Combustion chamber			X		
Pellet hopper				X	
Flue/heat exchanger					X