

Perfect combustion
Danish design



ENG:

Aduro-tronic

– automatic control of your wood-burning stove

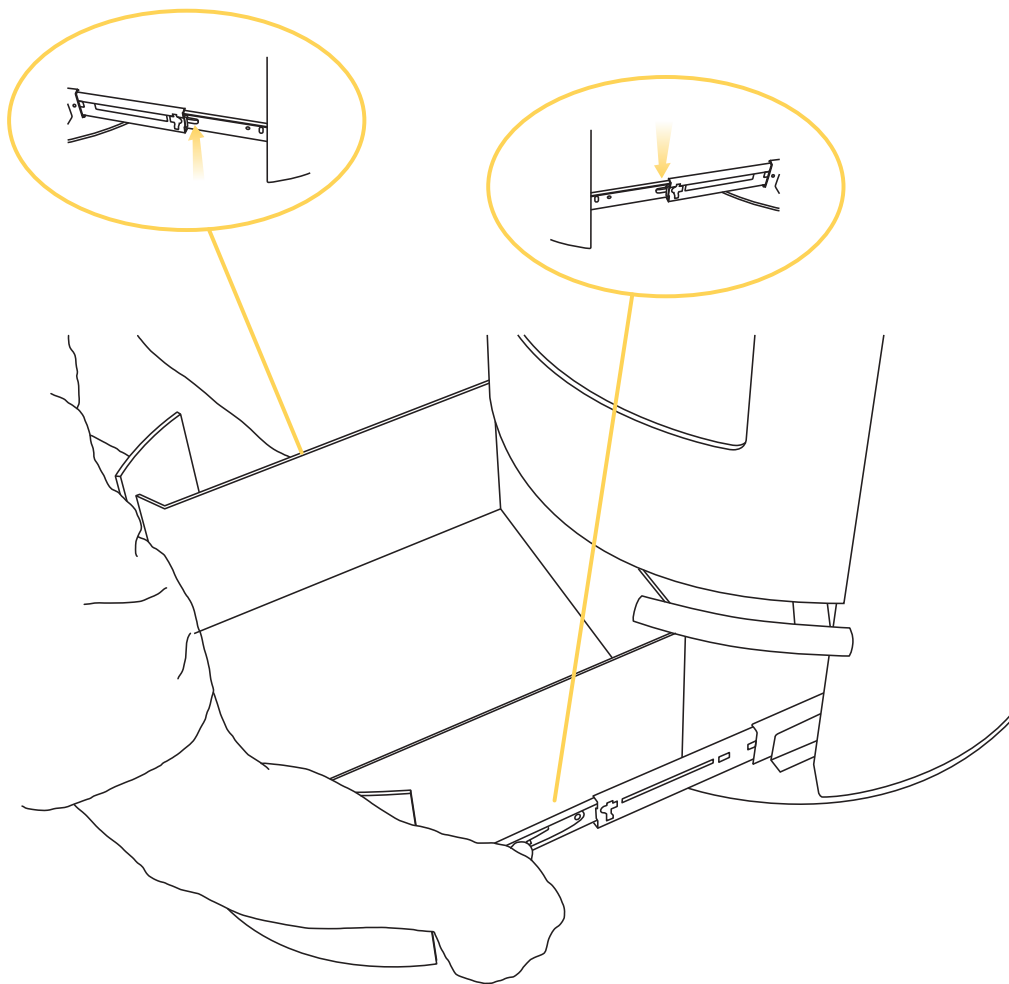
The new patent-applied Aduro-tronic is designed to operate your stove for you. All you have to do is put dry wood in the stove, and activate the control system - Aduro-tronic does the rest, leaving you to enjoy the flames and the benefits of efficient combustion.

Aduro-tronic is a patent-applied mechanical solution, which works without the use of electricity. If required, the Aduro-tronic can be set to manual mode to ensure that under special conditions, and when burning different types of fuel, you can continue to use your stove. Aduro-tronic is also designed to maintain a bed of hot embers for as long as possible, meaning longer intervals between stoking up.

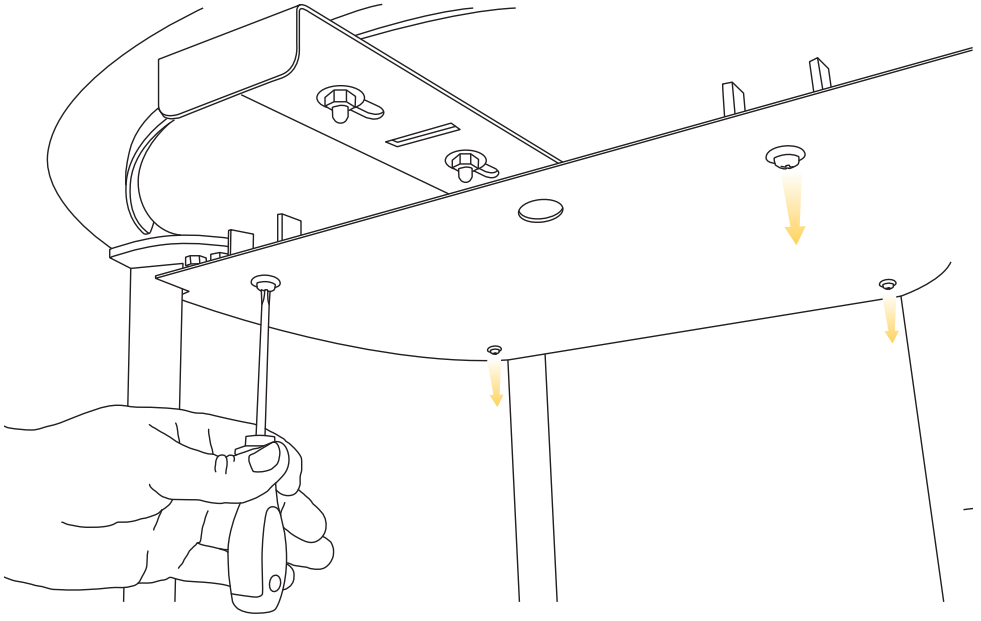
For a wood-burning stove to work at its best, the air intake has to be regulated several times within the first few minutes of each stoking. Incorrect air volume can result in faster combustion, soot on the glass and increased pollution. Optimum regulation is often neglected, as there are so many other things to see to around the house. The Aduro-tronic control takes care of regulation, allowing you to concentrate on other things.

Use of dry wood of the right size is important to achieve optimum combustion.

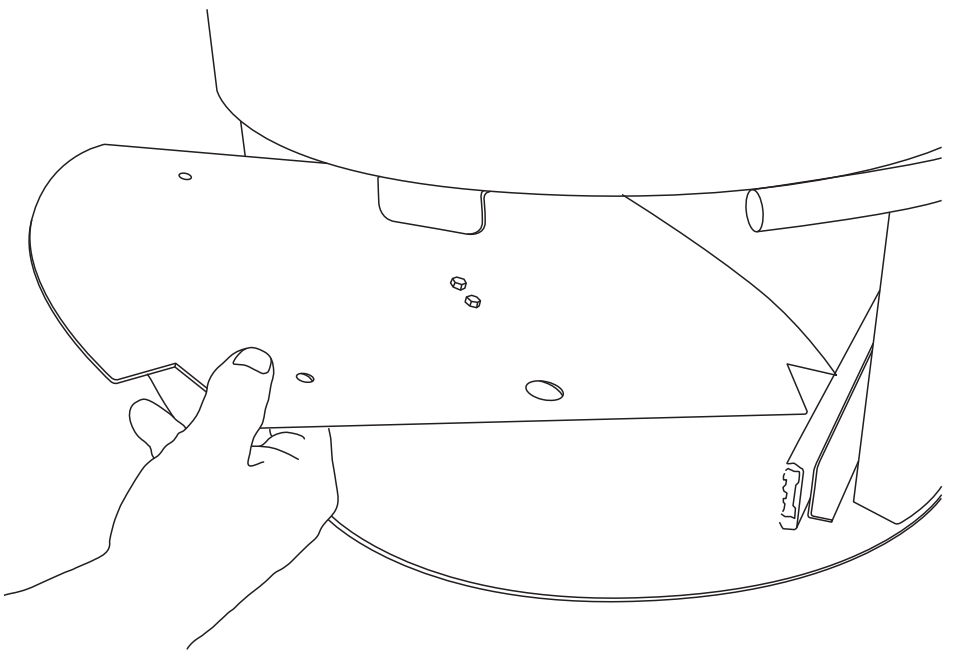
How to install the Aduro-tronic on your stove



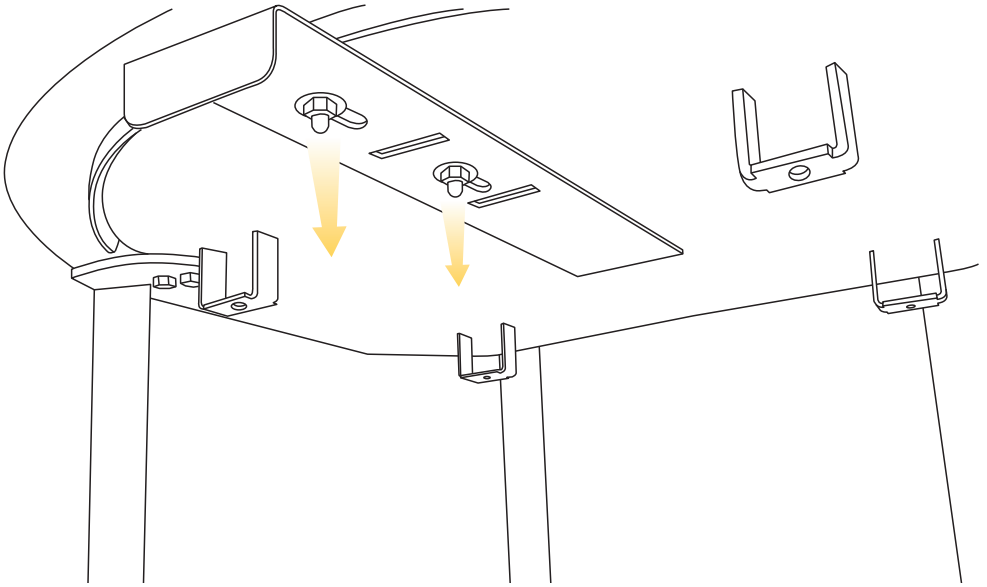
1. remove drawer



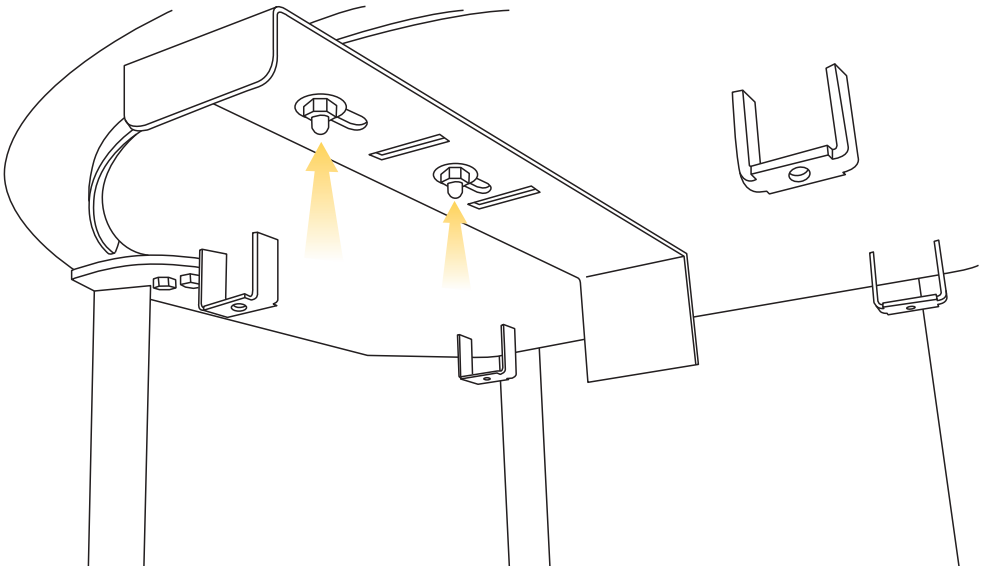
2. remove heat shield from under stove

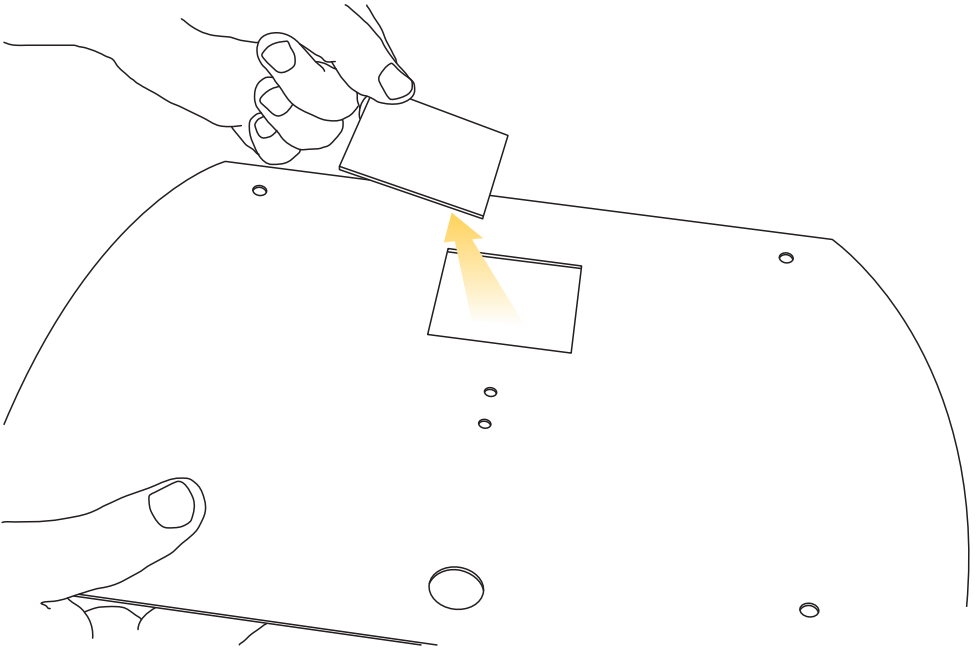


2. remove heat shield from under stove

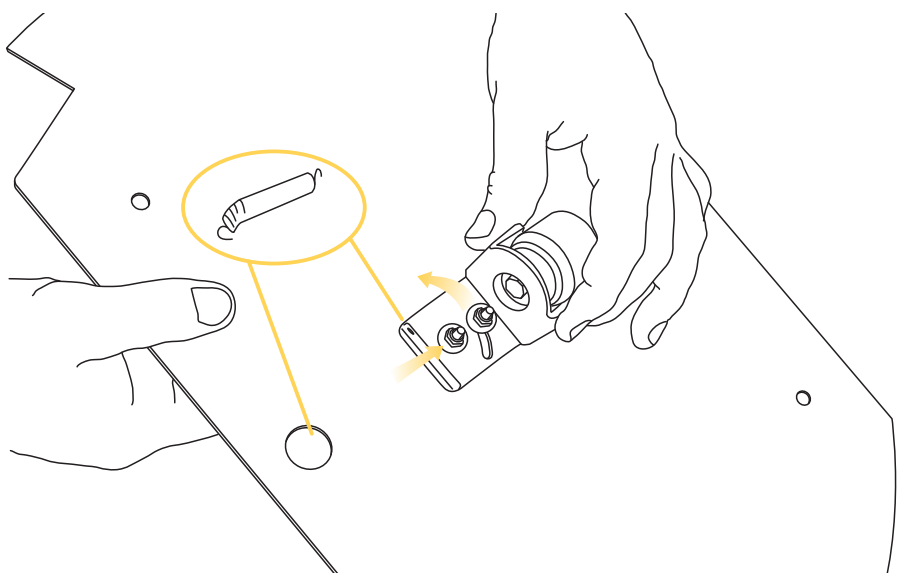


3. replace the primary air damper with the stainless steel Aduro-tronic damper. Apply a little copper grease to ensure smooth damper movement

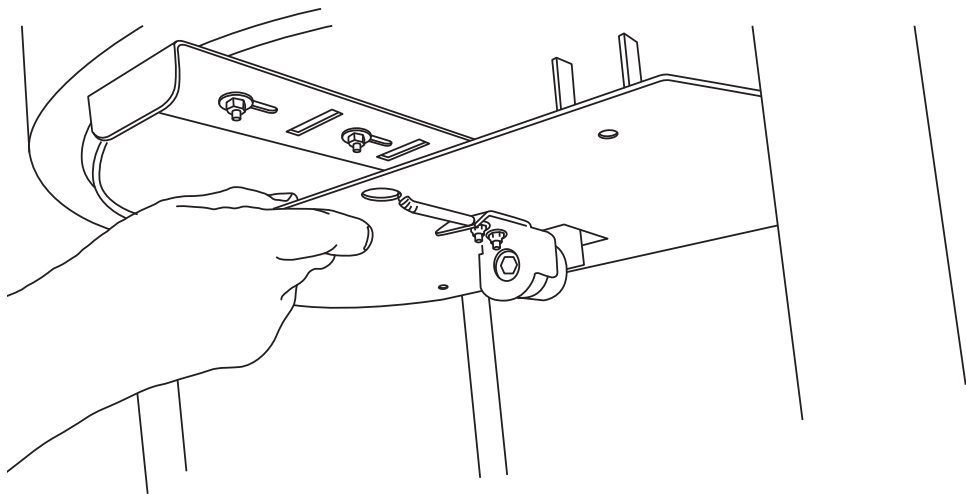




4. remove the plate mounted on the heat shield (tracks have been marked by laser)

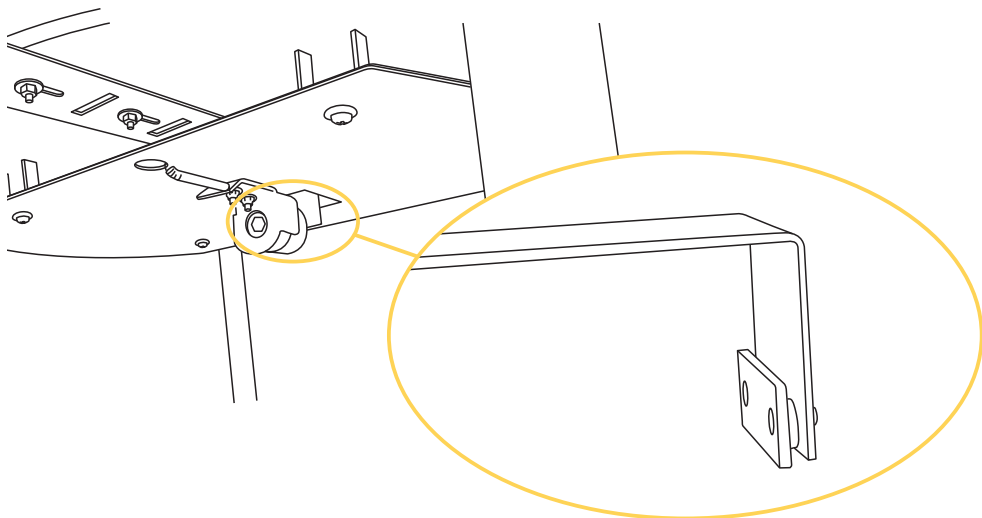


5. fit the Aduro-tronic control lever onto the heat shield. Lubricate the lever with copper grease and tighten the nut, so that the lever can be moved backwards and forwards. Fit the spring so that it holds the lever in closed position



6. replace the heat shield

7. replace drawer



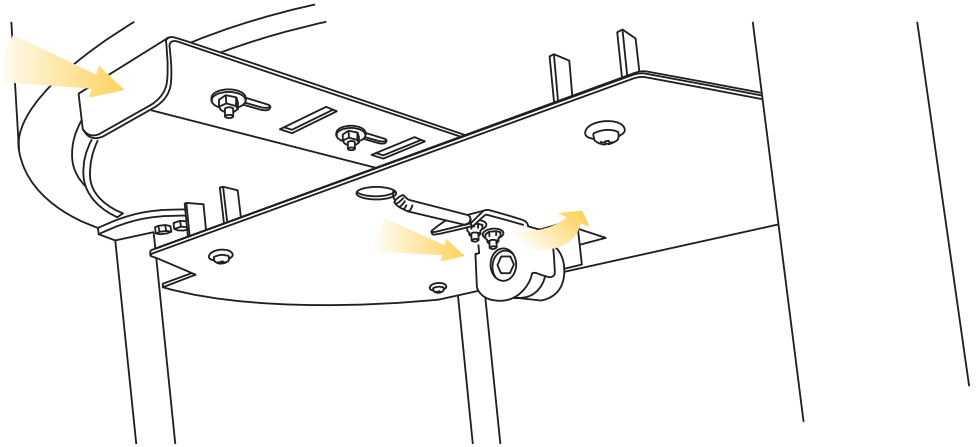
Since there are some small tolerances by the assembling of the stove it is sometimes necessary to adjust the Aduro-tronic damper in regards to the specific stove.s.

When the Aduro-tronic damper is pulled out, the hole for the primary air has to be completely open. When the Aduro-tronic has closed the damper automatically, the hole for the primary air has to be completely closed. If necessary use the enclosed plate and discs to adjust the damper, so that the opening and closing will happen correctly.

How to operate Aduro-tronic

When lighting:

Set the Aduro-tronic control to manual to ensure that the maximum amount of primary air is allowed in when lighting. We also recommend leaving the door ajar for the first 5-10 minutes.

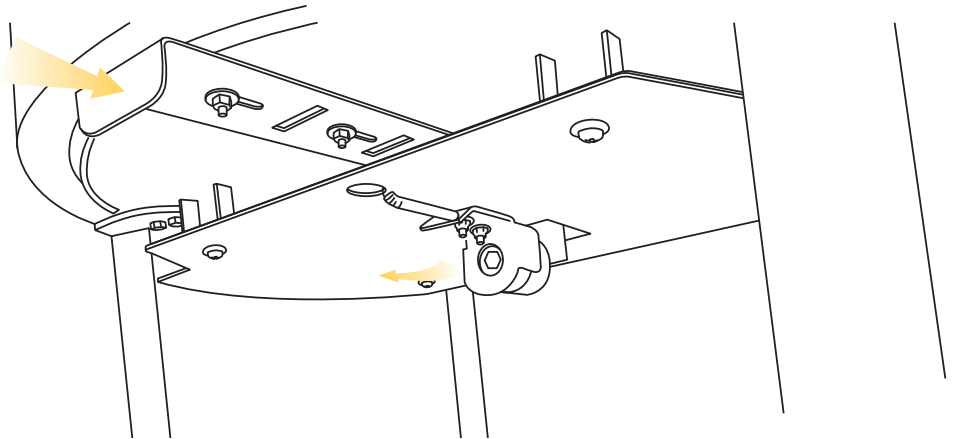


To set the Aduro-tronic control to manual:

1. push the primary damper back as far as it will go
2. push the Aduro-tronic control lever back, and to the right

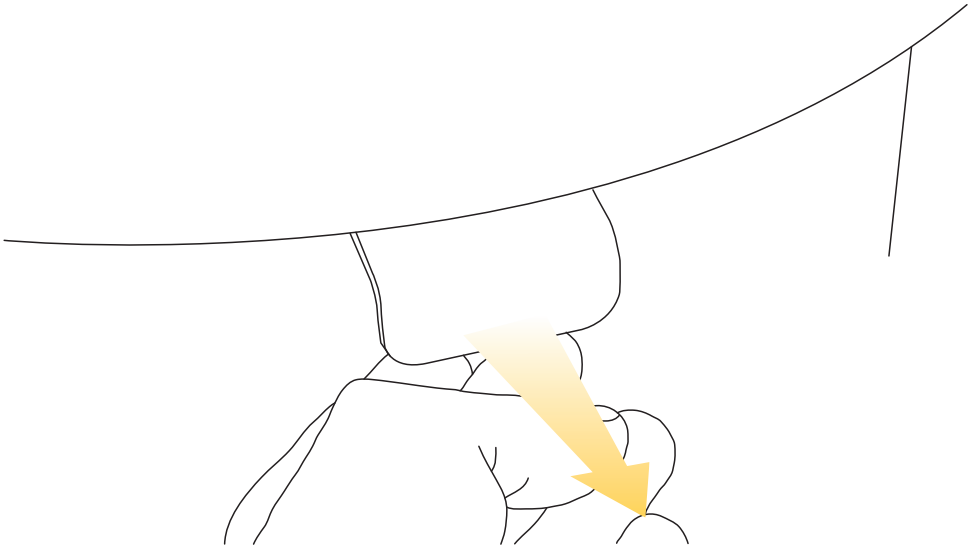
Open the primary damper fully by pulling it forwards.

When the stove is hot and there is a bed of embers, the Aduro-tronic can be set to automatic.



To set the Aduro-tronic control to automatic:

1. push the primary damper back as far as it will go
2. push the Aduro-tronic control lever to the left until the spring pulls the lever into its locked position.



When stoking:

Each time fresh wood is put in the stove, a precise amount of primary air will be allowed in for the first few minutes. What's more important is that the primary air is not allowed in for too long. This is to ensure optimum combustion.

The Aduro-tronic control will ensure intake of primary air at the right tempo.

When the Aduro-tronic is set to automatic, it is activated by pulling the primary damper out each time fresh wood is put in the stove. The automatic closes then the primary air gradually.

Regulation of the Aduro-tronic control:

The control is pre-set to allow primary air intake for the first 5 minutes. This setting has been used during testing at the Danish Technological Institute using 'standard' sized logs and with optimum moisture content of 17-20%. Standard size logs are approx. 30 cm long and 10 x 10 cm in thickness. A standard chimney was also used for testing.

In practice, such circumstances can differ, which is why the Aduro-tronic control can be adjusted to your circumstances.

If you want a slower intake of primary air: (e.g. for a slower flue draught, larger sized wood or for longer intervals between stoking)

Adjust the screw on the front of the control level using a small screwdriver to slow closure rate.