

# Touch Display V2.20



Operating Instructions



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## 1. INTRODUCTION

Our congratulations for having purchased a quality product.

To ensure a trouble-free functioning of your appliance we recommend you to thoroughly read through the present instructions and to strictly observe the suggestions contained herein at all times.

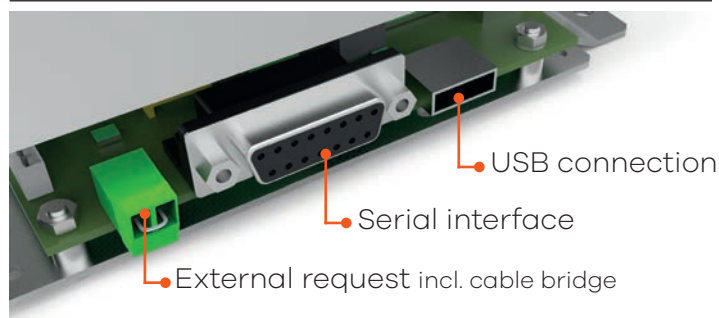
By cleaning and servicing your appliance regularly and expertly you will ensure a long-lasting functioning over many years.

RIKA is always ambitious to provide an excellent service. Have a good time, enjoying the cosy warmth of your RIKA stove as often as you wish.

RIKA Innovative Ofentechnik GmbH

## 2. COMMISSIONING

### General view of interfaces



### External request

- External room thermostat\*
- Contactor (e.g. exhaust hood)\*

\* remove cable bridge and connect a 2-pin cable with a section between 0.5 and 0.75mm<sup>2</sup> instead.

It will take approximately 5 minutes for your stove to shut down after receiving an external shut-down request.

#### Please note

**Operation is not possible** unless either the cable bridge, or an external request (e.g. an external room thermostat) are connected. The external request has priority over all operating modes (MANUAL/AUTOMATIC/COMFORT).

### Serial interface

- RIKA room sensor/ RIKA radio room sensor (available on request)
- RIKA GSM Control (available on request)

### USB connection

- Flash drive (included in the delivery)
- RIKA firenet (available on request)

## First steps

#### Please note

Manipulations on hardware components may only be performed by a trained expert dealer or our customer service. Inappropriate handling of these parts will void contractual and legal warranty claims!

#### Please note

The appliance may only be put into operation if fully assembled!

Before your appliance is energised for the first time, the flash drive (included in the delivery) must be inserted into the interface provided for that purpose at the rear side of the stove.

Install the software as described in the attached instructions.

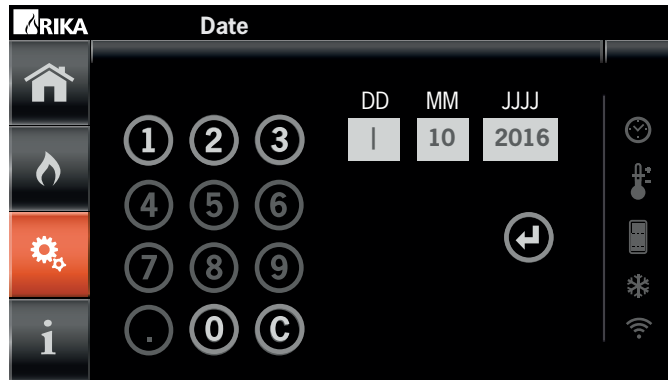
After the unit is connected to the mains, the display changes to Language Selection.



Select a language. Subsequently, adjust Date and Time.

#### Tip

To prevent incorrect input, only the permissible digits are released for each input step.



The "C" button deletes the input within a selected display box.

In case of erroneous entry, depress the appropriate box to make a new entry.

If all data have been entered correctly, an Enter button appears. By pressing this button, the input is confirmed and the data are saved.

#### Tip

Both language selection and setting of date and time must only be carried out on initial operation.

### 3. MENU NAVIGATION

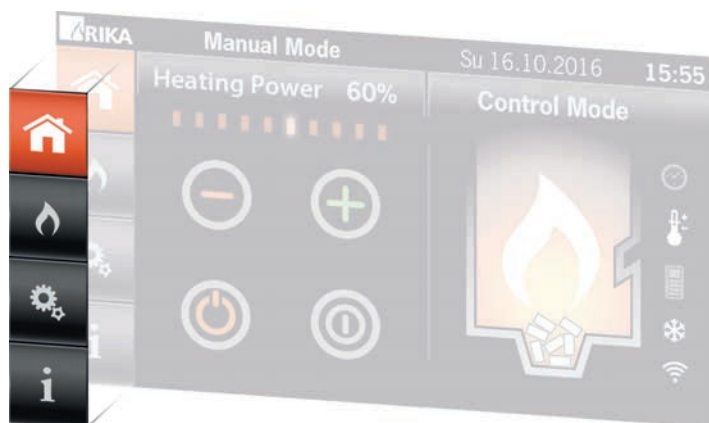
Your stove is equipped with a state-of-the-art control system. You can control all functions on the intuitive touch display. The surface of the touch display responds to both finger pressure and touch pen.

#### Please note

Do not use sharp-pointed objects to operate the appliance so as to prevent damaging the surface of the touch display.

### Navigation

The complete controls of your appliance include 4 main menu levels:



#### HOME

Controls: Unit start (stop, regulation of heating power / set ambient temperature, display of current stove state, active info



#### OPERATING MODES

Range: Manual mode, automatic mode and comfort mode



#### SETTINGS

Setting: Heating times, Multi-air, frost protection, RIKA room sensor, ...

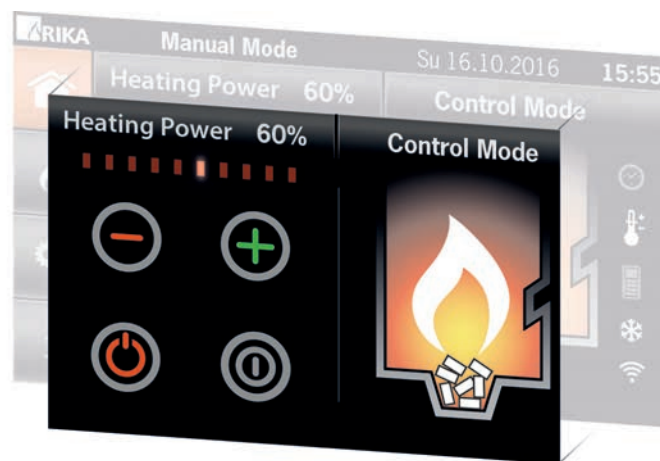


#### INFO

Display: flame temperature, total operating hours, total ignitions, software version,...

### Standard functions

Each stove model provides the following standard functions:



Reducing heating output



Increasing heating output



Off



Start / Standby

#### Please note

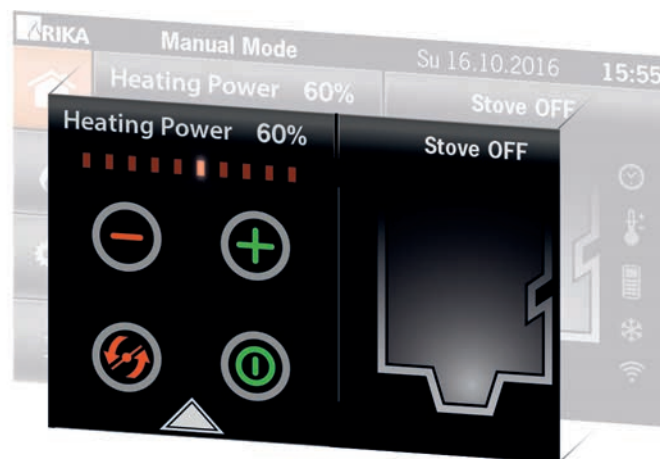
To avoid involuntary starting or switching off, either button must be depressed for 2 seconds.

#### Please note

If your stove is shut off during the operating states **IGNITION** or **INITIAL PHASE**, the display will switch to **BURN-OFF** only after a few minutes.

### Cleaning function

In addition to the standard functions, stove models with an automatic grid dispose of a cleaning function.



Grid turning into cleaning position



Show additional functions

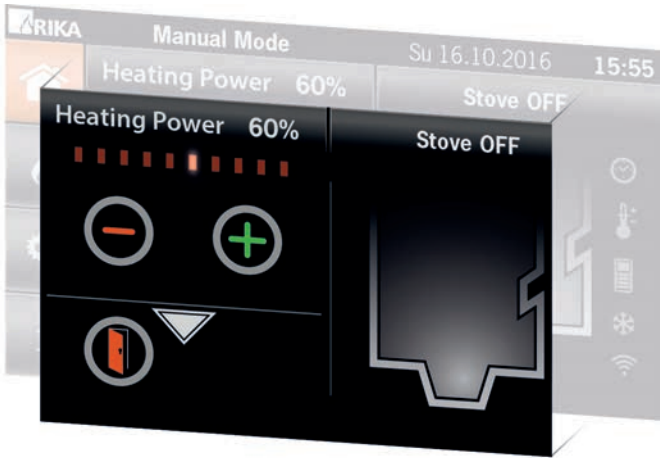
#### Please note

Turning of the grid is only possible during the operating state **STOVE OFF** at a firebox temperature below 80°C!



Door opener

In addition to the standard functions, some stove models dispose of a door opening function.



Show additional functions



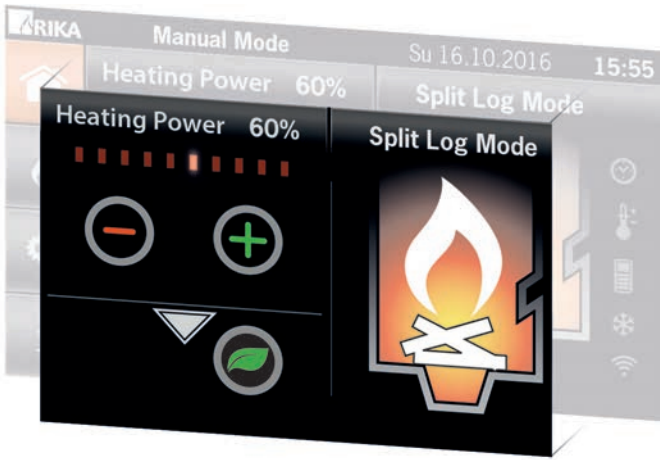
Hide additional functions



Opening the decorative glass door

ECO function

In addition to the standard functions, some combi stoves dispose of an ECO function.



Show additional functions



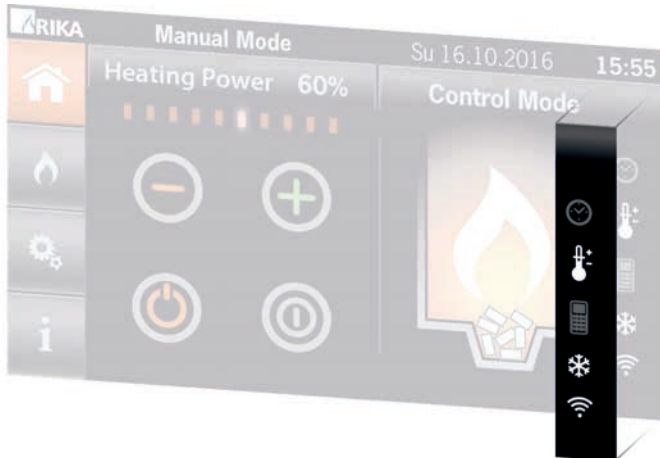
Hide additional functions



Switching to the Eco mode of operation

Active info

The 'Active info' displays whether or not a module is connected or enabled.



HEATING TIMES  
Standard function



ROOM SENSOR  
Only with RIKA room sensor / RIKA radio room sensor



GSM  
Only with RIKA GSM Control



FROST PROTECTION  
Only with RIKA room sensor / RIKA radio room sensor

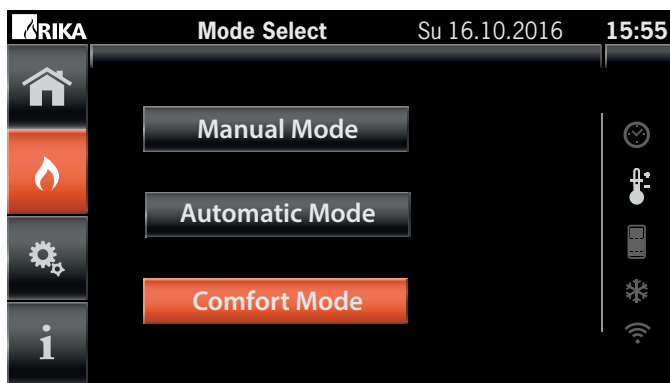


RIKA firenet  
Only with RIKA firenet

**Please note**  
More detailed information on the different options can be found in the respective instructions.

## 4. OPERATING MODES

In the main menu OPERATING MODES you can switch between three different operating modes: Manual, Automatic and Comfort



### Manual mode

Your stove operates at a heating power preset by you.

The recommended output range is between 50 % and 100 %. If you wish to select a lower heating output, keep pressing the minus button for 2 seconds. Now you can set the heating output within the range from 30 % to 50 %.



**Tip**  
Running the stove at the recommended range from 50% to 100% of the heating capacity will cause less sooting of the firebox and the door glass.

### Automatic mode

Your stove operates at the heating power preset by you during the heating times, as saved. Outside the heating times your stove is in the **STANDBY** operating state.



**Tip**  
If you select the automatic mode although no heating times are saved, the symbol "heating times" will be flashing.



**Please note**  
The stove may only be started in the **STANDBY** operating state. In the operating state **STOVE OFF** it is not possible to start up the stove.

### Comfort mode

During the heating times, as saved, your stove keeps a nominal room temperature preset by you.

Outside the heating times, it is possible to adjust a setback temperature. If the room temperature drops below the adjusted setback temperature, your stove will start outside the saved heating times as well.

In this operating mode, heating times may be disabled as well. In this case, your appliance will permanently heat the room to the nominal temperature you set.



**Please note**  
The stove may only be started in the **STANDBY** operating state. In the operating state **STOVE OFF** it is not possible to start up the stove.



**Please note**  
The comfort mode may only be selected if a RIKa room sensor is connected.

## Heating up without electrical ignition

If the ignition cartridge of the appliance should fail, firelighters can be used to ensure an emergency operation. First, start the stove as usual. Wait for the cleaning cycle and for the grid to tip. Then open the firebox door and place a handful of pellets, along with the firelighter, into the cleaned fire trough and light it up, subsequently closing the firebox door.



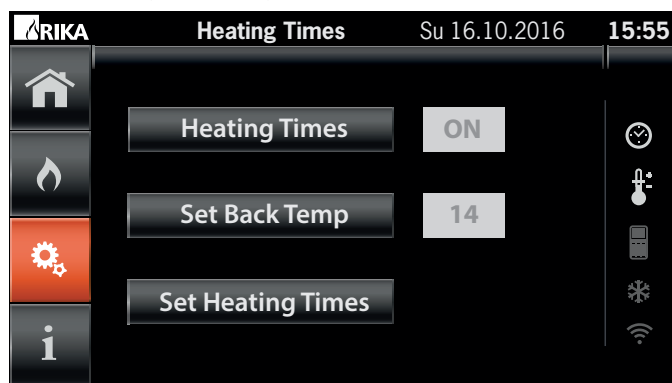
**Please note**  
**Attention:** Do not use any flammable liquids to light up the fire!

## 5. SETTINGS

The main menu SETTINGS is provided to set, among others, the heating times, Multi Air blower, frost protection etc.

### Heating times

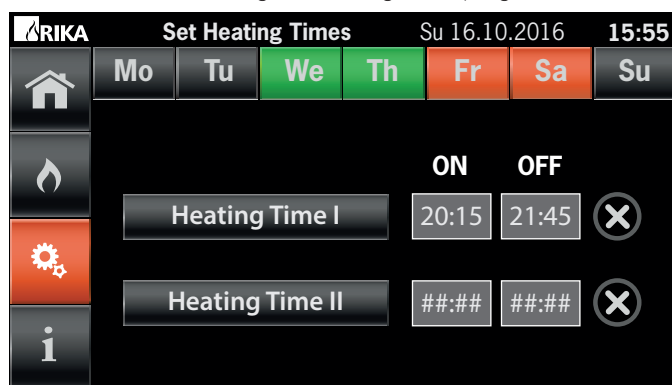
Using the heating times program you can operate your stove according to the heating schedule. Activating heating times (ON) gives access to setback temperature (only with RIKA room sensor), and the heating times program.



In the heating times program, single weekdays, or a couple of weekdays can be marked simultaneously (highlighted in **ORANGE**).

Upon selecting heating time I or heating time II you can enter the ON and OFF times you require for the marked weekdays.

Weekdays that have already been programmed are highlighted in **GREEN** when re-accessing the heating times program.



#### Tip

As soon as a weekday is marked, the saved heating times are displayed.

If a number of weekdays are marked, only the identical heating times are displayed. If the heating times differ from each other, hash keys (##:##) are displayed.

#### Tip

If your stove does not start up although heating times have been saved, please check if they are enabled (ON) and if your stove is in **STANDBY** operating state.

### Multi Air fan

Enabling the Multi Air fan (ON) you get access to fan speed and fan adaptation.

#### Fan speed

The volume of convection air is adjustable from AUTO (adapts automatically according to heating power), over to Level 1 (min) and level 5 (max).

#### Fan adaptation

In addition, it is possible to adapt the Multi Air fan speed (AUTO, level 1 to level 5) within +/- 30% of fan speed.

### Frost protection

If this function is enabled (ON) and if the room temperature drops below the set value (2°C - 10°C), your stove will start working.

This applies also outside the heating times and in operating state **STOVE OFF**.

### RIKA room sensor

For more information on this option, please consult the operating instructions room sensor / RIKA radio room sensor.

### RIKA firenet

For more information on this option, please consult the operating instructions RIKA firenet.

### GSM

For more information on this option, please consult the operating instructions RIKA GSM Control.

### Screen Saver

Sets the time interval (OFF, from 1 min to 30 min) for activating the screen saver.

### Child lock

If this function is enabled (ON), a 4-digit code can be saved. Now, the screen saver may only be disabled by entering the saved code.

### Date/time

Sets date and time.

### Language selection

Selects the desired language.

### Resets

#### Servicing

Reset the supply rate to 700 kg after a service has been carried out.

#### Factory setting

Resets all stove settings to the factory setting.

#### Please note

This reset may only be performed if the stove temperature is below 80°C!

### Recording

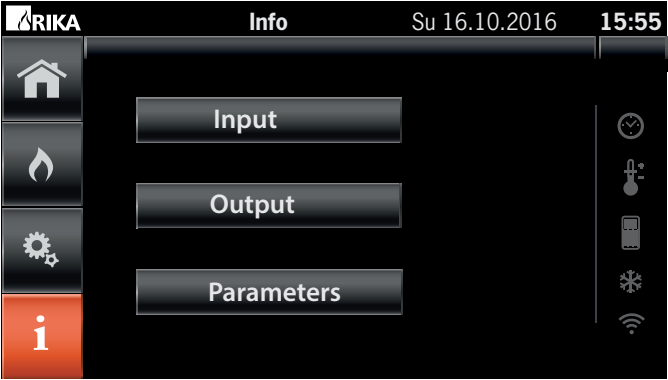
Only for service technicians.

### Service

Only for service technicians.

6. INFO

In the main menu INFO you can retrieve the most important parameters.



Inputs

Flame temperature [°C]	Current firebox temperature
Room temperature [°C]	ACTUAL temperature in the room
Ext. Request	External request enabled (ON) or disabled (OFF)
Pressure switch	Sufficient low pressure in the firebox to ensure operation (OFF), or insufficient (OFF)
Grid contact	Grid in heating position (ON) or other position (OFF)

Outputs

Discharge motor [%]	Actual speed (0 - 1000)
Discharge motor current	Actual current consumption (0 - 120)
Flue gas fan [1/s]	Actual speed (0 - 2500)
Insertion motor [%]	Actual speed (0 - 1000)
Insertion motor current	Actual current consumption (0 - 120)
Air flaps	Current position (0 - 1000)
Grid motor	Actuated (ON) or in rest (OFF)
Multi Air fan	Actuated (ON) or in rest (OFF)
Multi Air fan 2	Actuated (ON) or in rest (OFF)
Ignition element	Actuated (ON) or in rest (OFF)

Parameters

Oper. hours Pellets [h]	Total operating hours (0 - 99999)
Feed vol. Total [kg]	Total pellet feed volume (0 - 99999)
Feed vol. Service [kg]	Remaining pellets feed volume until next cleaning (700 - 0)
Operating hours wood [h]	Total operating hours (0 - 99999)
Ignitions	Total ignitions (0 - 99999)
ON/OFF cycles	Number of power failures
Main State	Operating state Main Regulation Sequence
Sub State	Operating state Secondary Regulation Sequence
Stove type	Name of appliance
Stove software	Software version stove controls
Display software	Software version touch display



## 7. EXTENDED OPERATING MODES - PELLETS / LOGS

Your combi stove features an automatic fuel recognition and a combustion regulation. Operation may any time switch between pellets and logs.

### Please note

It is imperative to use the feed rates as indicated in the instructions manual of your stove, without any exception.

### Please note

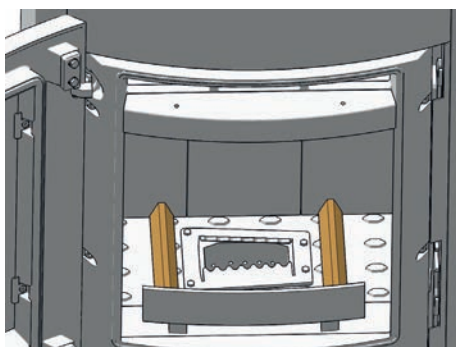
During the whole period of log operation the functions of heating time, room temperature and frost protection, as well as the external request are disabled. These functions will not be re-activated **before** log operation has finished.

## Correct heating up

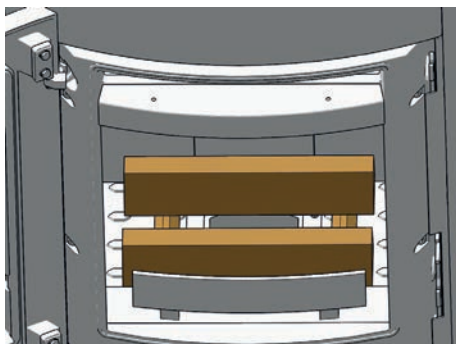
### Please note

Do not use any flammable liquids to light up the fire!

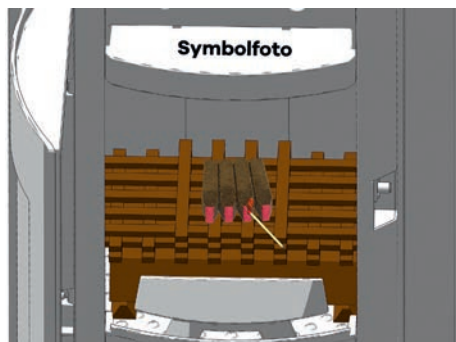
Open the firebox door and place 2 small pieces of chipboard in longitudinal direction to either side of the firebox floor.



Place 2 or 3 logs crossways onto the chipboard.



Now place more chipboard pieces crossways and add 2-4 ribs of the RIKA firelighter on top of the chipboard. If necessary, some uncoated paper can be placed under the chipboard instead of the firelighter.



Now set the RIKA firelighter (or the uncoated paper) alight and close the firebox door.

### Please note

Be sure that the combustion trough is empty as the grid will tip after the firebox door has been closed.

### Tip

The RIKA firelighter no. E15718 is available from your RIKA dealer.

## Automatic log operation

The automatic burn-off regulation shows the following sequence:



### LOG CHECK

Your stove checks if logs have been placed.

### LOG OPERATION / ECO OPERATION

Your stove ensures optimum log burn-off.

### PLEASE RELOAD

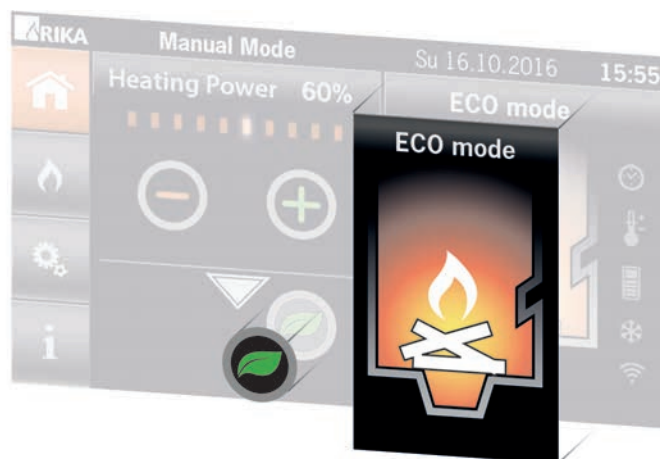
Your stove indicates the time you should add more logs.

### DO NOT RELOAD

Your stove reports that no ignition can be ensured after logs have been added.

## Eco Operation

For a small amount of fuel (partial load) you should use the **ECO OPERATION** mode. Under 'Extended functions', after closing the firebox door you can switch to **ECO OPERATION** - the operating state **LOG CHECK** will change to **ECO OPERATION**.



### Please note

The **ECO OPERATION** mode is only possible after the first burn-off!

## Current-free log operation

### Please note

Your stove must be disconnected from the mains for current-free operation.

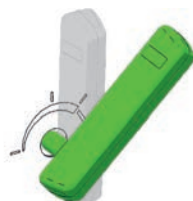
### Please note

Any modification of the procedure stated above may result in damaging of components, which automatically will void any warranty claims.

Insert the socket spanner in the sleeve, as shown.



Turn it clockwise until a slight stop can be felt.



Remove the socket spanner from the opening and insert it again in horizontal position.



Turn the spanner anti-clockwise until it is flush with the marking in the side panel (approx. 45°). It is now in heating up position.



After heating-up has been successful, turn the spanner anti-clockwise step by step to reduce the combustion air manually, thus regulating the burn-off.



Each time logs are added, the spanner must be brought into heating up position again. The combustion air is regulated as described above.

### Please note

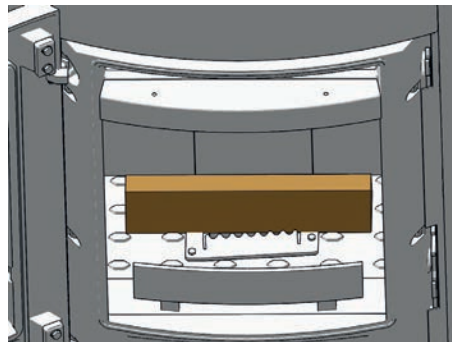
Always ensure that the stove has enough air for combustion.

## Combined operation

Automatic ignition of firewood during start-up, or automatic log recognition during operation.

### Automatic ignition of firewood during start-up:

Place two logs into the firebox. Be sure that at least one of the logs lies above the combustion trough to facilitate burning. Close firebox door.



Start stove operation. After ignition has been successful, the operating state **IGNITION** switches to **LOG CHECK**, and after successful log recognition to **LOG OPERATION**.

### Please note

If no more logs are reloaded, pellet operation starts automatically again as the unit is still on.

### Automatic log detection during operation

Open the firebox door and place 2 logs into the box. Be sure that at least one of the logs lies above the ignition trough to facilitate burning.

Close firebox door. The operating state switches from **CONTROLLED OPERATION** to **LOG CHECK**, and after successful log recognition to **LOG OPERATION**.

### Please note

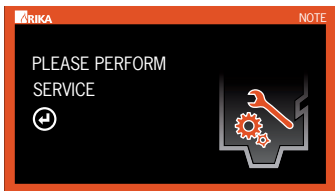

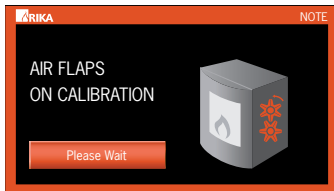
If no more logs are reloaded, pellet operation restarts automatically as the unit is still on.

If you switch the combi stove off during log operation, the operating state will change to **STOVE OFF** after the logs have burned down.

## 8. NOTES, WARNINGS AND ERROR MESSAGES


To ensure trouble-free functioning, your stove is equipped with a number of safety devices.

### Notes

Please note			
	Meaning	A unit maintenance or a cleaning cycle is required.	The mainboard battery is empty or defective.
Solution	Perform a maintenance or a cleaning cycle. Select the <b>Setup menu</b> /submenu <b>Resets</b> . Reset the feed rate service to 700 kg.	Heating operation can continue but after each power failure you must reenter date, time and heating times.	Wait until procedure is finished (up to 5 min).

### Warnings

Warning	<div><div>RIKA</div><div>WARNING</div><div>PELLET HOPPER LID OPEN</div><div>Please Close Cover</div></div> <div><div>RIKA</div><div>WARNING</div><div>DOOR OPEN</div><div>Please Close Door</div></div> <div><div>RIKA</div><div>WARNING</div><div>DOOR OR PELLET HOPPER LID OPEN</div><div>Please Close Doors</div></div>		
	Meaning	The pellet hopper lid is open.	The firebox door is open.
Solution	Close pellet hopper lid.	Close firebox door.	Close firebox door and/or pellet hopper lid.

Warning	<div><div>RIKA</div><div>WARNING</div><div>BURNBACK AND FLUE GAS FLAP</div><div>Please Pull Down Lever</div></div> <div><div>RIKA</div><div>WARNING</div><div>FLUE GAS FLAP OPEN</div><div>Please Pull Down Lever</div></div> <div><div>RIKA</div><div>WARNING</div><div>NOT ENOUGH LOW PRESSURE</div><div>Please Check Pressure</div></div>		
	Meaning	Burn-back flap and flue gas flap are not in heating position.	The flue gas flap is not in heating position.
Solution	Enable burn-back flap and flue gas flap.	Close flue gas flap.	Check the stove for tightness (firebox door, cleaning lid), for disturbing factors in the installation room (kitchen hood, windows closed,...), as well as the flue.

Warning	<div><div>RIKA</div><div>WARNING</div><div>ROOMSENSOR SIGNAL LOST</div><div>Manual Mode</div></div>		
	Meaning	No signal to the (radio) room sensor.	
Solution	Check if the (radio) room sensor is connected properly. Check the control lamp of the receiver and if necessary, replace the batteries in the sender.		

# Error messages

If an error occurs, your stove switches over to the operating state **BURN-OFF**. After the appropriate measure has been taken, your stove is ready for operation again.

## Please note

If the error messages appear again and again, please contact the customer service without delay.



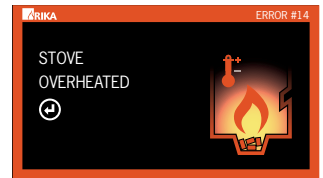
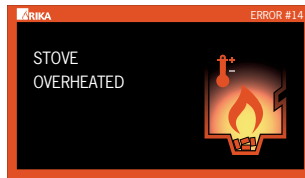
Error			
No.	#00	#1	#2
Meaning	Insufficient amount of pellets in hopper.	Pellet hopper lid has not been closed.	Firebox door has not been closed.
Solution	Top up pellets and quit error message. The ignition cycle to follow will last longer as first the pellet auger has to be refilled.	Close pellet hopper lid and quit error message.	Close firebox door and quit error message.
Error			
No.	#01/02	#3	#4
Meaning	Firebox door and/or the pellet hopper lid have not been closed.	Ignition cycle has failed.	Grid cannot complete tipping cycle.
Solution	Close firebox door and/or pellet hopper lid and quit error message.	Evacuate or clean combustion trough and quit error message.	Check for blocking of grid in the combustion trough area and quit error message.
Error			
No.	#5	#6	#7
Meaning	The firebox temperature cannot be measured.	The discharge motor cannot be actuated properly.	The insertion motor cannot be actuated properly.
Solution	Clean flame temperature probe and acknowledge error message.	Quit error message.	Quit error message.
Error			
No.	#8	#9	#10
Meaning	The discharge motor is blocked.	The insertion motor is blocked.	The air flaps are not in correct position.
Solution	Further operation not possible, please inform customer service.	Quit error message.	Quit error message.

Error



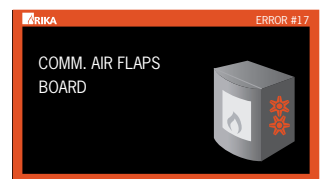
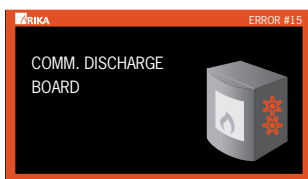
No.	#11	#11	#12
Meaning	Burn-back flap and flue gas flap are not in heating position.	The flue gas flap is not in heating position.	Prescribed speed of the flue gas fan is not reached.
Solution	Quit error message and enable burn-back flap and flue gas flap.	Close flue gas flap and quit error message.	Quit error message.

Error



No.	#13	#14	#14
Meaning	The pressure ratio between installation room and firebox does not allow further operation.	Heat accumulation inside the appliance due to insufficient convection.	Heat accumulation inside the appliance due to insufficient convection.
Solution	Quit error message and check the stove for tightness (firebox door, cleaning lid), disturbing factors in the installation room (kitchen hood, windows closed,...), as well as the flue.	Allow the stove to cool down and disconnect it from the mains. Unblock (press) the safety temperature limiter (rear side of stove). Check if the convection air openings are free.	Allow stove to cool down. Check if all convection air openings are free. Quit error message and check if the convection air fan runs in the <b>CONTROLLED OPERATION</b> operating state.

Error



No.	#15	#16	#17
Meaning	The discharge motor cannot be actuated properly.	The insertion motor cannot be actuated properly.	The air flaps cannot be actuated properly.
Solution	Allow stove to cool down. Interrupt power supply for about 10 sec.	Allow stove to cool down. Interrupt power supply for about 10 sec.	Allow stove to cool down. Interrupt power supply for about 10 sec.

Error



No.	#19	#20
Meaning	Touchscreen is distorted. No further entry is possible.	Connection to touch display is interrupted.
Solution	Please contact the customer service.	Allow stove to cool down. Interrupt power supply for about 10 sec.



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