Touch Display
Stove software V2.25.267.01
Display software V2.25.279.02
Operating Instructions
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 0.75mm² instead.

It will take approximately 1 minutes for your stove to shut down after receiving an external shut-down request.

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

Select a language. Subsequently, adjust date and time.

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

Date

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.

**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:

- Decreases the heating output
- Increases the heating output
- Off
- Start / Standby

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

**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

**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.

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

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

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.

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.

Note
The comfort mode may only be selected if a RiKA room sensor is connected.

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.

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.

Attention
Do not use any flammable liquids to light up the fire!
Multi Air fan
Enabling the Multi Air fan (ON) you get access to fan speed and fan adaptation.

Fan level
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 area
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
Only possible if a roomsensor is connected. If this function is enabled (ON) and if the room temperature drops below the set value (0°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. If there is a room sensor built in you get access to temperature adjustment and power requirement.

Temperature adjustment
It is possible to adjust the temperature shown in the infomenu.

Power requirement
(factory setting 3) The heating power is adjustable from level 1 (for small rooms) to level 4 (for big rooms).

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.

Hotel mode
Enable the child lock (ON) and save a 4-digit code. Enable the hotel mode. Await the activation of the screen saver.
You can only press the buttons ON / OFF / PLUS / MINUS. Now a selection of further functions is only possible by entering the saved code.

Date/time
Sets date and time.

Language
Selects the desired language.

Resets

<table>
<thead>
<tr>
<th>Kg till cleaning</th>
<th>Resets the supply rate to 700 - 1500 kg after a service has been carried out.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factory setting</td>
<td>Resets all stove settings to the factory setting.</td>
</tr>
</tbody>
</table>

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

Logging
Only for service technicians.

Service
Only for service technicians.
6. INFO

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

**Parameters**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operat. hours pellets</td>
<td>Total operating hours in pellet mode (0 - 99999)</td>
</tr>
<tr>
<td>Feed rate total [kg]</td>
<td>Total pellet feed volume (0 - 99999)</td>
</tr>
<tr>
<td>Kg till cleaning</td>
<td>Remaining pellets feed volume until next cleaning (1500 - 0)</td>
</tr>
<tr>
<td>Operat. h. split logs</td>
<td>Total operating hours in split log mode (0 - 99999)</td>
</tr>
<tr>
<td>Ignition counter</td>
<td>Total ignitions (0 - 99999)</td>
</tr>
<tr>
<td>ON/OFF cycles</td>
<td>Number of power failures</td>
</tr>
<tr>
<td>Main State</td>
<td>Main operating regulation state</td>
</tr>
<tr>
<td>Sub State</td>
<td>Secondary operating regulation state</td>
</tr>
<tr>
<td>Stove type</td>
<td>Name of appliance</td>
</tr>
<tr>
<td>Software stove</td>
<td>Software version stove control</td>
</tr>
<tr>
<td>Software display</td>
<td>Software version touch display</td>
</tr>
</tbody>
</table>

**Tip**

On the first screen page the precise information of the software version with the revision number is displayed.

Disconnect the main plug for a short time. When the display shows the RIKA Logo on orange screen, there is the name of your stove in the left corner. Touch the stove name, and the software version actually installed will be displayed.

**Inputs**

<table>
<thead>
<tr>
<th>Input</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame temperature [°C]</td>
<td>Current firebox temperature</td>
</tr>
<tr>
<td>Room temperature [°C]</td>
<td>ACTUAL temperature in the room only with RIKA roomsensor</td>
</tr>
<tr>
<td>Ext. Request</td>
<td>External request enabled (ON) or disabled (OFF)</td>
</tr>
<tr>
<td>Pressure switch</td>
<td>Sufficient low pressure in the firebox to ensure operation (ON), or insufficient (OFF)</td>
</tr>
<tr>
<td>Grid contact</td>
<td>Grid in heating position (ON) or other position (OFF)</td>
</tr>
</tbody>
</table>

**Outputs**

<table>
<thead>
<tr>
<th>Output</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge motor [%]</td>
<td>Actual speed (0 - 1000)</td>
</tr>
<tr>
<td>Discharge motor current</td>
<td>Actual current consumption (0 - 120)</td>
</tr>
<tr>
<td>Flue gas fan [1/s]</td>
<td>Actual speed (0 - 2500)</td>
</tr>
<tr>
<td>Insertion motor [%]</td>
<td>Actual speed (0 - 1000)</td>
</tr>
<tr>
<td>Insertion motor current</td>
<td>Actual current consumption (0 - 120)</td>
</tr>
<tr>
<td>Air flaps</td>
<td>Current position (0 - 1000)</td>
</tr>
<tr>
<td>Grid motor</td>
<td>Actuated (ON) or in rest (OFF)</td>
</tr>
<tr>
<td>Multi Air fan</td>
<td>Actuated (ON) or in rest (OFF)</td>
</tr>
<tr>
<td>Multi Air fan 2</td>
<td>Actuated (ON) or in rest (OFF)</td>
</tr>
<tr>
<td>Ignition element</td>
<td>Actuated (ON) or in rest (OFF)</td>
</tr>
</tbody>
</table>
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.

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

**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**

**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.

![Symbolfoto]

Place 2 or 3 logs crossways onto the chipboard.

![Symbolfoto]

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.

![Symbolfoto]

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

**Tip**
The RIKA firelighter no. E15834 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.

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

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

**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 lays 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**.

**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.

**Easy-refilling operation**
In order to reduce the discharge of fluegas when refilling logs there is a easy-refilling operation available.

- Open the fluegas flap
- Wait about 3 seconds before you open the combustion chamber door to refuel
- After closing the combustion chamber door, turn the wrench clockwise to close the fluegas flap.

**Tip**
If the flue gas flap is open, a warning appears on the display. It expires when you close the flue gas flap.

**Note**
Pellet operation is not possible with an opened flue gas flap.

Log operation in case of power breakdown

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

**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 supplied 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 ant-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.

**Note**
Always ensure that the stove has enough air for combustion. Clean the fire trough manually.
8. NOTES, WARNINGS AND ERROR MESSAGES
To ensure trouble-free functioning, your stove is equipped with a number of safety devices.

### Notes

<table>
<thead>
<tr>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Note</strong></td>
<td><strong>PLEASE PERFORM CLEANING</strong></td>
</tr>
<tr>
<td>A unit cleaning is required.</td>
<td>The mainboard battery is empty or defective.</td>
</tr>
<tr>
<td><strong>Perform a thorough cleaning according to the operating manual.</strong> <strong>Select the Setup menu / submenu Resets. Reset the <strong>kg till cleaning</strong>.</strong></td>
<td>Heating operation can continue but after each power failure you must reenter date, time and heating times.</td>
</tr>
</tbody>
</table>

### Warnings

<table>
<thead>
<tr>
<th>Warning</th>
<th>Meaning</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PELLET HOPPER LID OPEN</strong></td>
<td>The pellet hopper lid is open.</td>
<td>Close pellet hopper lid.</td>
</tr>
<tr>
<td><strong>DOOR OPEN</strong></td>
<td>The firebox door is open.</td>
<td>Close firebox door.</td>
</tr>
<tr>
<td><strong>DOOR OR PELLET HOPPER LID OPEN</strong></td>
<td>The firebox door and/or the pellet hopper lid are open.</td>
<td>Close firebox door and/or pellet hopper lid.</td>
</tr>
<tr>
<td><strong>BURNBACK AND FLUE GAS FLAP</strong></td>
<td>Burn-back flap and flue gas flap are not in heating position.</td>
<td>Enable burn-back flap and flue gas flap.</td>
</tr>
<tr>
<td><strong>FLUE GAS FLAP OPEN</strong></td>
<td>The flue gas flap is not in heating position.</td>
<td>Close flue gas flap.</td>
</tr>
<tr>
<td><strong>NOT ENOUGH LOW PRESSURE</strong></td>
<td>The pressure ratio between installation room and firebox does not allow further operation.</td>
<td>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</td>
</tr>
<tr>
<td><strong>ROOMSENSOR SIGNAL LOST</strong></td>
<td>No signal to the (radio) room sensor.</td>
<td>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.</td>
</tr>
</tbody>
</table>
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.

**Note**

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

<table>
<thead>
<tr>
<th>Error</th>
<th>No.</th>
<th>#00</th>
<th>#01</th>
<th>#02</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Meaning</td>
<td>Insufficient amount of pellets in hopper.</td>
<td>Pellet hopper lid has not been closed.</td>
<td>Firebox door has not been closed.</td>
</tr>
<tr>
<td></td>
<td>Solution</td>
<td>Top up pellets and quit error message.</td>
<td>The ignition cycle to follow will last longer as first the pellet auger has to be refilled.</td>
<td>Close pellet hopper lid and quit error message.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Close firebox door and quit error message.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Error</th>
<th>No.</th>
<th>#01/02</th>
<th>#03</th>
<th>#04</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Meaning</td>
<td>Firebox door and/or the pellet hopper lid have not been closed.</td>
<td>Ignition cycle has failed.</td>
<td>The turning grid cannot complete his tipping cycle.</td>
</tr>
<tr>
<td></td>
<td>Solution</td>
<td>Close firebox door and/or pellet hopper lid and quit error message.</td>
<td>Evacuate or clean combustion trough and the ignition tube. Quit error message.</td>
<td>Check for blocking of grid in the combustion trough area and quit error message.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Error</th>
<th>No.</th>
<th>#05</th>
<th>#06</th>
<th>#07</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Meaning</td>
<td>The firebox temperature cannot be measured.</td>
<td>The discharge motor cannot be actuated properly.</td>
<td>The insertion motor cannot be actuated properly.</td>
</tr>
<tr>
<td></td>
<td>Solution</td>
<td>Clean flame temperature probe and acknowledge error message.</td>
<td>Quit error message.</td>
<td>Quit error message.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Error</th>
<th>No.</th>
<th>#08</th>
<th>#09</th>
<th>#10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Meaning</td>
<td>The discharge motor is blocked.</td>
<td>The insertion motor is blocked.</td>
<td>The air flaps are not in correct position.</td>
</tr>
<tr>
<td></td>
<td>Solution</td>
<td>Further operation not possible, please inform customer service.</td>
<td>Further operation not possible, please inform customer service.</td>
<td>Quit error message.</td>
</tr>
<tr>
<td>No.</td>
<td>#11</td>
<td>#11</td>
<td>#12</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>------------------------------</td>
<td>------------------------------</td>
<td>------------------------------</td>
<td></td>
</tr>
<tr>
<td>Meaning</td>
<td>Burn-back flap and flue gas flap are not in heating position.</td>
<td>The flue gas flap is not in heating position.</td>
<td>Prescribed speed of the flue gas fan is not reached.</td>
<td></td>
</tr>
<tr>
<td>Solution</td>
<td>Quit error message and enable burn-back flap and flue gas flap.</td>
<td>Close flue gas flap and quit error message.</td>
<td>Quit error message.</td>
<td></td>
</tr>
</tbody>
</table>

**Error**

<table>
<thead>
<tr>
<th>No.</th>
<th>#13</th>
<th>#14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meaning</td>
<td>The pressure ratio between installation room and firebox does not allow further operation.</td>
<td>Heat accumulation inside the appliance due to insufficient convection.</td>
</tr>
<tr>
<td>Solution</td>
<td>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.</td>
<td>Allow the stove to cool down and disconnect it from the mains. Check if all convection air openings are free. Depending on model: - unblock / press the safety temperature limiter on rear side of stove - check the operation of the convection air fan in the CONTROL MODE state.</td>
</tr>
</tbody>
</table>

**Error**

<table>
<thead>
<tr>
<th>No.</th>
<th>#15</th>
<th>#16</th>
<th>#17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meaning</td>
<td>The discharge motor cannot be actuated properly.</td>
<td>The insertion motor cannot be actuated properly.</td>
<td>The air flaps cannot be actuated properly.</td>
</tr>
<tr>
<td>Solution</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
</tr>
</tbody>
</table>

**Error**

<table>
<thead>
<tr>
<th>No.</th>
<th>#18</th>
<th>#19</th>
<th>#20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meaning</td>
<td>The mechanical pull-out lock of the stove insert is not in (horizontal) operating position.</td>
<td>Touchscreen is distorted. No further entry is possible.</td>
<td>Connection to touch display is interrupted.</td>
</tr>
<tr>
<td>Solution</td>
<td>Please check the safety lever of the mechanical pull-out lock for correct position and secure the stove.</td>
<td>Please contact the customer service.</td>
<td>Allow stove to cool down. Interrupt power supply for about 10 sec.</td>
</tr>
</tbody>
</table>