

TOUCH DISPLAY

Operating Manual

Touchdisplay Software Version 1.22



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1. INTERNAL CONTROLS – TOUCH-DISPLAY

The stove has a modern programmable microprocessor control. The individual stove functions can be set by the user via the touch display.

Note

Manipulation of hardware components may only be performed by trained specialist dealers and service. Incorrect handling of these parts leads to loss of warranty and guarantee claims!

Basics

All settings and functions can be made via the integrated touch screen. Actions are initiated by touching the symbolic buttons. The touch display reacts to both finger touch and touch display pen

Note

Please do not use any sharp objects to prevent damage to the touch display.

Operation

Each input button has the status inactive, active and depressed. If an input button on the display is greyed-out, i.e. inactive, then it only reserves space and cannot be selected. This is the case if no response can be expected from pressing this input button (e.g. increasing the heat output if it is already at 100%; switching on if the stove is already switched on, ...)

Active input buttons can be pressed at any time, in confirmation the status changes to depressed; this status is retained as long as the button is pressed. After pressing the input button, the status returns to active or inactive.



active



depressed



inactive

Input possibilities



OFF-Button
Pressing the OFF button switches off the section concerned.



ON-Button
Pressing the ON button switches on the section concerned.

Note

The stove is switched ON or OFF in the HOME main menu. The respective button must be depressed for 2 seconds to prevent inadvertent switching on or off.



MINUS-Button
Pressing the MINUS button reduces the value in the display box concerned.



PLUS-Button
Pressing the PLUS button increases the value in the display box concerned.



NAVIGATION-Button
Pressing the NAVIGATION button takes the user to the corresponding main menu.



INPUT-BOX
There is an input box for input of a multi-digit, numerical value.



NUMERICAL
A number pad appears for input of a multi-digit, numerical value.



ENTER-Button
The input value is confirmed by pressing the ENTER button.



CANCEL-Button
The value displayed is deleted by pressing the CANCEL button.



SUBMENU-Button
Pressing the SUBMENU button takes the user to the corresponding submenu.



ACTIVE-Button
The option shown is selected by pressing the ACTIVE button.

Displays



INFO-box
This box provides information via the adjacent value in the display box.



DISPLAY box (ON/OFF)
A display box with ON or OFF is shown for options that can be switched ON or OFF.



DISPLAY box (numerical)
A number is shown for values represented numerically.

Putting into operation

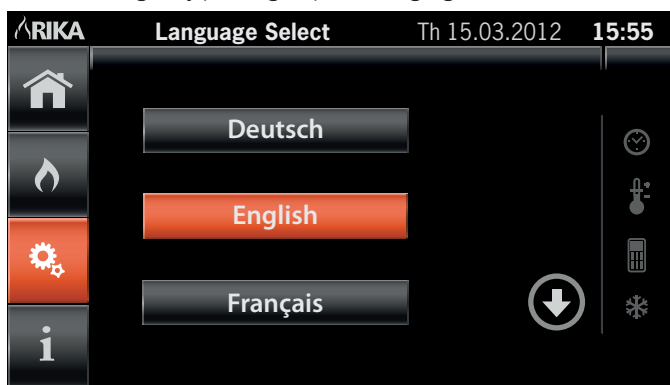
Note
The unit may only be put into operation when assembled completely!

The USB stick supplied must be plugged into the interface on the rear of the stove before the unit can be taken into service for the first time.

USB Connection



A start screen appears after connection to the mains supply. The language selected is changed by pressing respective language button on the screen.



The software is automatically updated after language selection. This process takes approx. 2 min.

Note
Während des Software-Updates ist eine Unterbrechung der Stromversorgung unbedingt zu vermeiden. Hard

A confirmation display appears after successful software update; the stove must be disconnected from the mains and the USB stick removed

First steps

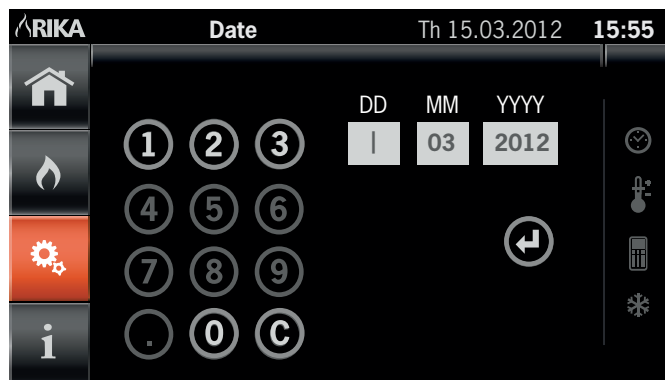
Once the stove has been reconnected to the mains, the display changes to the date and time setting by pressing the screen.

The input specified here only has to be made on first use; however it may be changed at any time in the main menu SETUP settings.

The date and time setting is made numerically using the number pad.

Tip

Only the permissible numbers are released for each input step to prevent incorrect input.



The C button acts as back button and deletes the input in the display box selected.

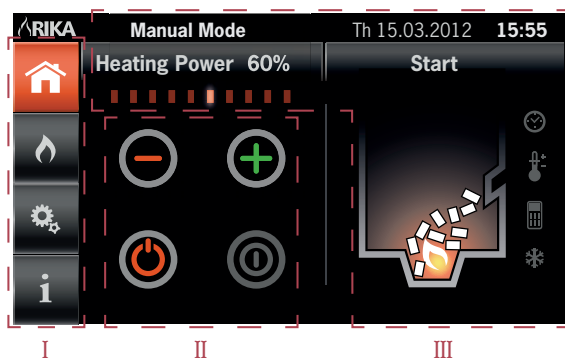
Tip

The individual input boxes are selected by touching the display boxes and the content is reset by direct selection.

Once all data has been entered correctly, an ENTER button appears which confirms the input and saves the data.

HOME – main menu

The HOME main menu is the starting point of the stove control system and is divided into three sections.



I NAVIGATION SECTION

Navigation among the individual main menu levels.

Tip

The current main menu is marked in colour to ease navigation.



II SETTINGS SECTION

Setting the heat output and the room temperature as well as ON and OFF switch for stove.

III DISPLAY SECTION

Display of the current date and time, operating status and mode as well as additional information symbols.

Main menu levels

The complete control system of the stove is divided into 4 main menu levels (HOME, MODE, SETUP und INFO; these levels are differentiated based on the following functions:



HOME-status level

Stove start/stop, setting heat output, room set temperature, current stove status display



MODE-operating mode level

Selection of the required operating mode (manual, automatic, comfort)



SETUP-setting level

Setting of heating times, settings for various options, ...

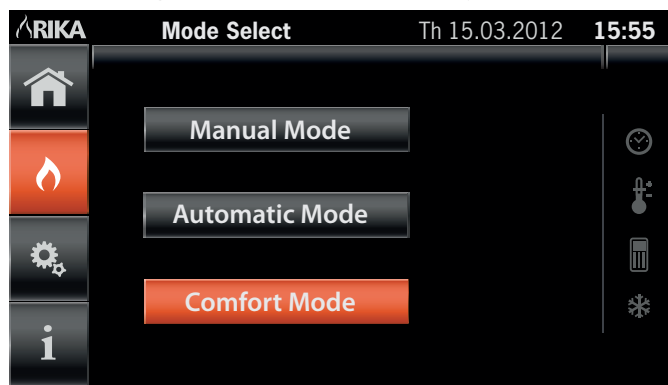


INFO-information level

Software version, pellet consumption, hours in operation, information on the individual components,...

MODE – mode selection

The various heating modes are selected in this display.



Manual mode

The stove is operated at a pre-set heat output.

Automatic mode

Individual heating times may be activated in addition to the pre-set heat output.

Comfort mode

Regulation to the pre-set room temperature is automatic in this selection. Heating times may also be activated.

Note

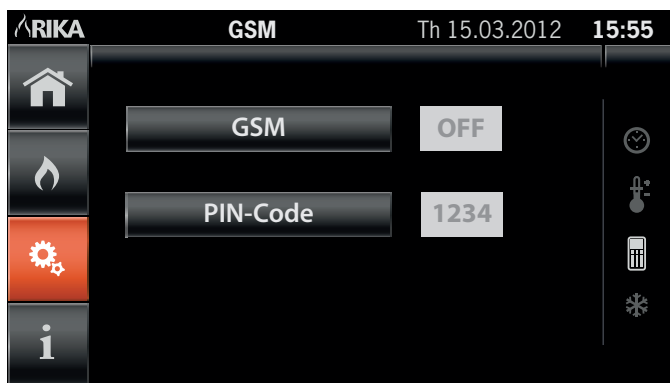
The comfort mode can only be selected if a functioning room sensor is connected



SETUP – settings

In the SETUP – Settings main menu, heating times can be programmed, options activated or then date and time set etc.

The required submenu is selected by pressing the corresponding button



Note

If functions are inactive due to lack of the respective module, they cannot be selected.

SUBMENU ITEMS

Heating times

The ON and OFF switching times can be programmed in this submenu. A decreasing temperature for the comfort mode can also be set.

Room sensor

Any deviation between the current displayed and actual room temperature can be compensated for.

GSM

If a modem is connected, the stove GSM function can be activated and the PinCode required entered numerically.

Frost protection

This function allows selection of a minimum temperature at which the stove starts to heat. The frost protection function is independent of any external requirements and any set room temperatures. The function has top priority.

Transverse current blower

The optional transverse current blower can be activated in this submenu.

Child safety device

To prevent undesired operation, a code can be determined to be entered every time the screen saver is left.

Date/time

Date and time settings can be made.

Screen saver

The waiting interval until the screen saver is activated is set in this submenu.

USB update

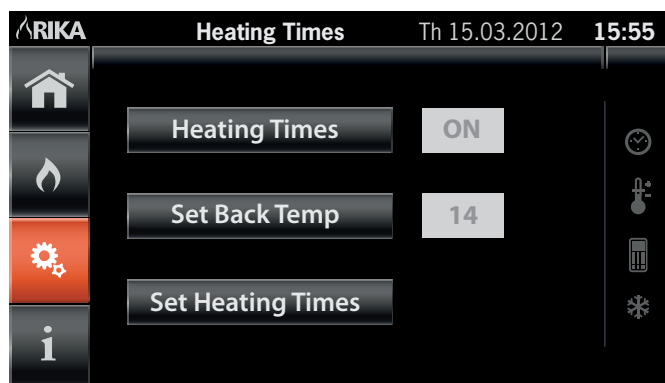
This menu level concerns the software update of the stove.

Service (not accessible to final customers)

Additional information for the specialist dealer or service.

Heating time programme

The heating time programme operates the stove time-controlled. As soon as the heating time function has been activated (ON) the buttons decreasing temperature (only with room sensor) and heating time programme can be selected.



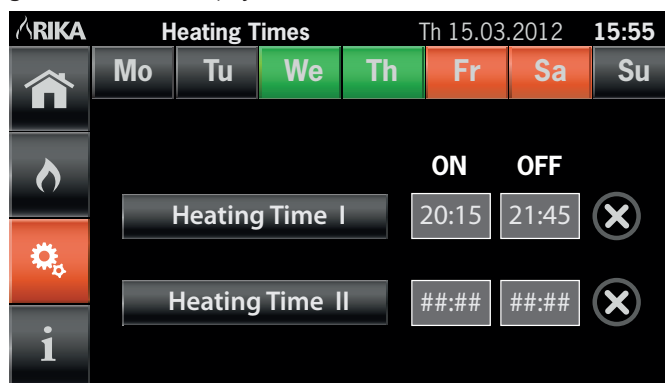
Individual or several days can be selected at the same time and programmed individually in the heating time programme.

The week days selected are marked **ORANGE**.

By selecting the now active heating time buttons (heating time I and heating time II), the required ON and OFF switching times can be entered numerically.

The week day buttons are shown **GREEN** after confirmation.

Repeat pressing of week day buttons already programmed permit viewing of the defined heating times or these can be deleted again using the cancel button (right next to the time displayed).



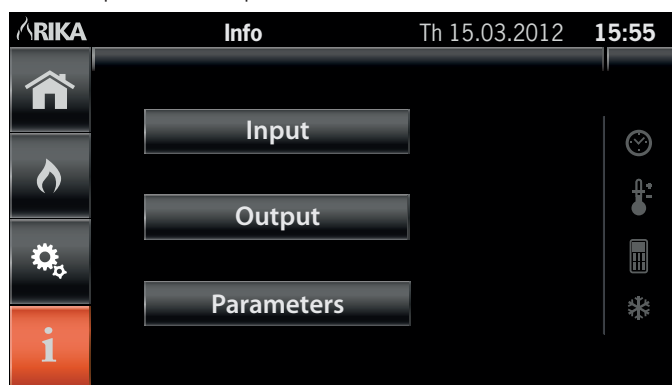
Tip

In the case of selected week days on which identical heating times have been programmed, the respective settings of heating time I and/or heating time II are shown.

If week days with different heating times have been selected then the hash symbol appears in the time display (##:##).

INFO – main menu

The most important current parameters can be viewed in INFO – main menu.



SUBMENU ITEMS

Inputs

All available sensor data and switch statuses are shown.

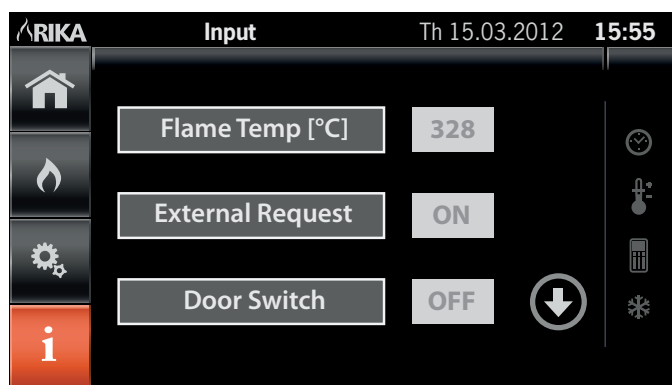
Outputs

All components controlled by the microprocessor are shown.

Parameters

All operating parameters are shown

INFO – inputs



Flame temperature

Display of the current temperature of the combustion chamber [°C]

Room temperature

Display of the current ACTUAL temperature in the room [°C](only with connected room sensor)

Ext. demand

Displays whether an external demand is active (ON) or inactive (OFF).

Dump grate contact

Displays whether the dump grate is in the horizontal position (ON).

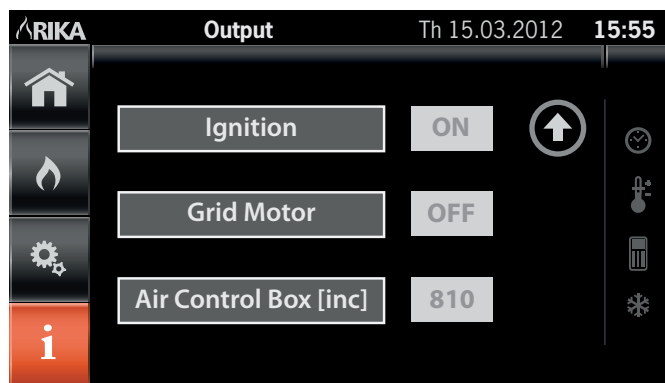
Door contact switch

Shows whether the combustion chamber door is closed (ON) or open (OFF).

Container lid

Shows whether the pellet container lid is closed (ON) or open (OFF).

INFO – outputs



Discharge motor

Current speed of screw motor conveying away from the pellet container (range: 0...1000)

Feed motor

Current speed of screw motor conveying to the fire trough (range: 0...1000)

Flue gas blower

Current speed of flue gas blower. (Range: 0...2500)

Ignition element

Shows whether the ignition is switched on (ON) or switched off (OFF).

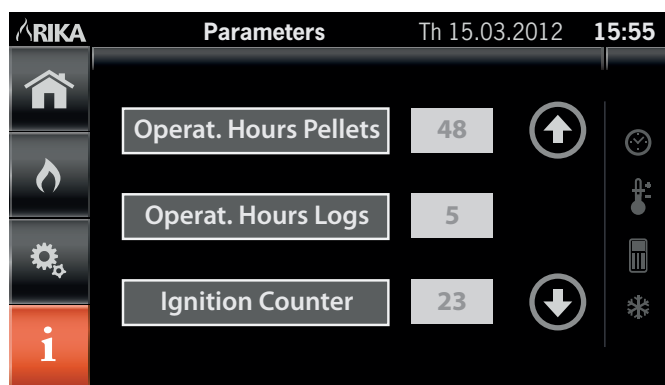
Dump grate motor

Shows whether the dump grate motor is actuated (ON) or not (OFF).

Air controller

Current air flap position (range: 0...1000)

INFO – parameters



Hours in operation

Display of previous total operating hours.

Conveying total

Display of total pellet amount supplied up to present.

Conveyor cleaning

Display of the amount of pellets to be conveyed until the next cleaning.

Ignitions

Current number of all previous pellet ignitions.

Software stove

Current stove control software version.

Software display

Current software version of the touch display.

Main state

Operating status of main control process.

Sub state

Operating status of sub control process.

Screen saver

Depending on the interval set without touching the display, the lighting is dimmed and power-saving mode is activated, a freeze image appears.

Renewed touching of the display activates the lighting and switches to the HOME main menu



Tip

The interval to activation of the power-saving mode can be set under Setup – screen saver.

Additional information

In nearly all the menu levels there are four symbols in the right outer display area showing the activated settings



HEATING TIMES

This symbol is highlighted if individual heating times are activated.



ROOM SENSOR

This symbol is highlighted if a functioning room sensor is connected.



FROST PROTECTION

This symbol is highlighted if the integrated frost protection is activated.



Note

The frost protection function can only be activated with connected room sensor. If activated, it is executed in all operating modes (also in MANUAL and AUTOMATIC).



GSM

This symbol is highlighted if a functioning GSM module has been connected and activated.



Note

The additional information symbols can only be highlighted if the corresponding modules have been connected to the stove and activated.

2. MODES

Note

When operating correctly, the stove may not be overheated. However Improper operation can shorten the life expectancy of electrical components (blowers, motors and electrical control) and is not allowed!



Pellet operation manual/automatic/comfort

MANUAL MODE

The pellet burner start and stop (ON / OFF button) and set the desired heat output (PLUS / MINUS button) can be done on the touch screen directly at the HOME main menu.

AUTOMATIC MODE

The exchange between standby and hibernation (ON / OFF button) and set the desired heat output (PLUS / MINUS button) can be done on the touch screen directly at the HOME main menu.

In AUTO mode, the heating times can be activated and the heating times can be programmed.

The pellet burner start is in standby mode (ON) within the heating times (or always at deactivated heating times).

The pellet burner stop is outside the heating times.

In the hibernation (OFF) no pellet burner start is possible, the system is turned off.

COMFORT MODE

The exchange between standby and hibernation (ON / OFF button) and set the desired room temperature (PLUS / MINUS button) can be done on the touch screen directly at the HOME main menu.

In the COMFORT mode heating times can be additionally activated.

The pellet burner start is in standby mode (ON) within the heating times (or always at deactivated heating times) and if the desired room temperature is below the actual room temperature.

The pellet burner stop either outside the heating periods, or if the desired room temperature is higher than the actual room temperature.

In the hibernation (OFF) no pellet burner start is possible, the system is turned off.

Convection fan control Manual / Automatic

(only for devices with convection air)

MANUAL MODE

In manual mode, you can turn on the convection fan to a desired air level, level 1 (minimum) - Set level 5 (max).

AUTOMATIC MODE

In automatic mode, the convection fan level is depending on the heating power (30 - 100%) automatically adjusted.

Tip

You can additionally adjust the amount of air in the setup menu (+ / - 30%). This applies to manual and automatic mode.



3. WARNING AND ERROR MESSAGES

During operation, unforeseen circumstances or intervention by the user may lead to malfunctions or interruptions of the control process. There is a differentiation between warnings and error messages. Warnings are interruptions caused by the user; they can be eliminated by correct actions. Error messages are malfunctions of components or discharges during operation. These must be acknowledged by the user so that operation can continue.


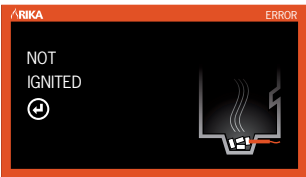

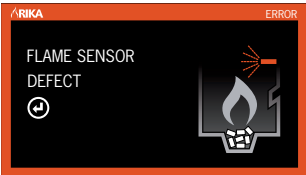

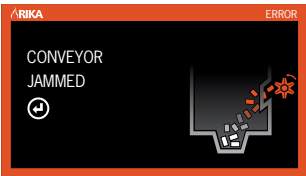
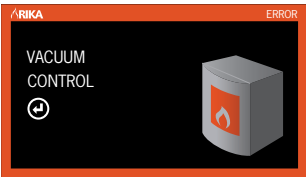
Note

If error messages recur directly, customer service is to be notified immediately. In the case of error messages that pose a safety risk, burnback and flue gas flap is activated and the stove is automatically switched off.



Warnings

display	meaning	action to be taken
	Display for open pellet container lid.	Close the the pellet container lid.
	Display for open combustion chamber door and/or pellet container lid. <i>Only for model TopoII</i>	Close the combustion chamber door and/or the pellet container lid. <i>Only for model TopoII</i>
	The negative pressure in the combustion chamber is below a defined limit value.	Check that the combustion chamber door is closed.
	There is no valid signal between the stove control system and the room sensor.	Check if the sensor is plugged in correctly
	Perform service (maintenance)	Perform service (see CLEANING AND MAINTENANCE)

display	meaning	action to be taken
	There are no longer sufficient pellets in the container.	Acknowledge error message and refill pellets.
	Ignition cannot be concluded due to lack of ignition detection.	Acknowledge error message and check pellet supply container. Open combustion chamber door and clean fire trough if necessary. Stove can then be restarted.
	The dump grate cannot complete the dump process provided for.	Acknowledge error message and check for any blockage of the dump grate at the fire trough.
	One of the two screw motors for pellet conveying can no longer be actuated.	Acknowledge error message and restart stove.
	The flame temperature sensor in the combustion chamber does not give a realistic temperature to the stove control system.	Acknowledge error message and restart stove.
	The flue gas blower specified speed was not reached.	Acknowledge error message and restart stove.
	The conveyor can not be controlled correctly.	Remove any encrustations in the burn pot. Acknowledge error message and restart stove.
	The negative pressure in the combustion chamber is permanently below a defined threshold.	Acknowledge the error message and check the stove for possible leaks. (combustion chamber door, cleaning lid, etc.)

Technical and design changes, as well as typesetting and printing errors reserved

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