

TOUCH DISPLAY

Operating Manual

Touchdisplay Software Version 2.00



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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 stove.



ON-Button
Pressing the ON button switches on the stove.

If the stove is switched off, the OFF button can't be pressed a second time and is therefore grayed out (inactive), only the ON button is active.

It is the same for an active stove, then only the OFF button is active.

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
This is an input box for input of a multi-digit, numerical value.



A number inserted in the field is deleted, if you touch the field.



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

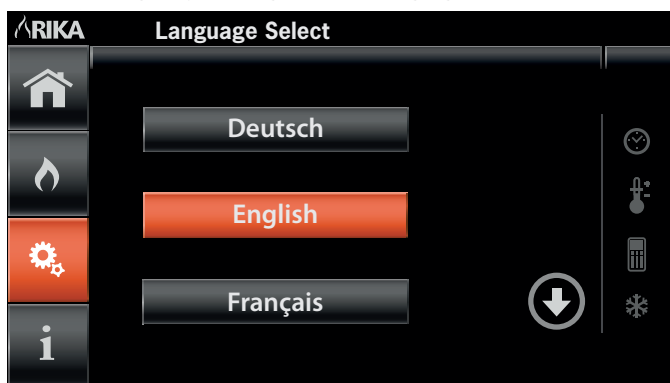
The unit may only be put into operation when assembled completely!

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

An interruption of the power supply must be strictly avoided during the software update.

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

First Steps

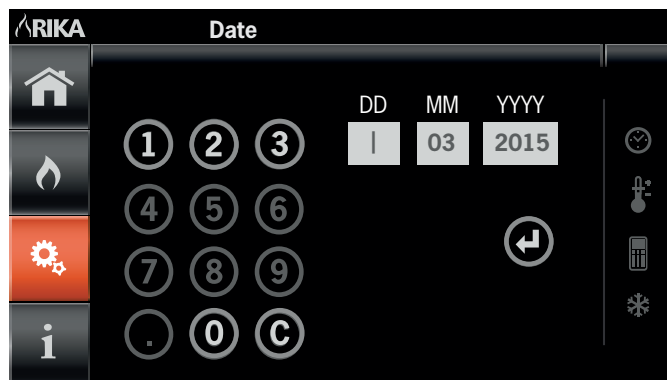
Once the stove has been reconnected to the mains, the display changes to the date and time setting by pressing the screen.

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.

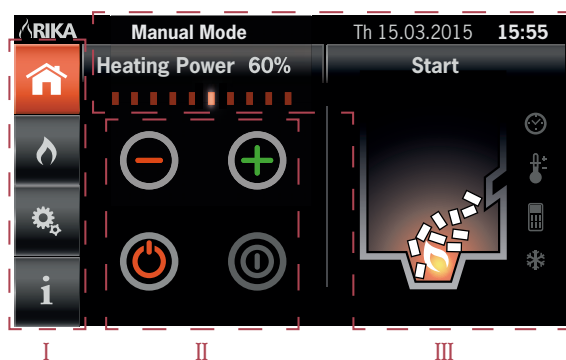
Tip

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.

Note

If the stove is switched off during ignition or starting phase, it takes some time until the display changes to "Burn-OFF" since the individual phases must be performed first.



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, ...

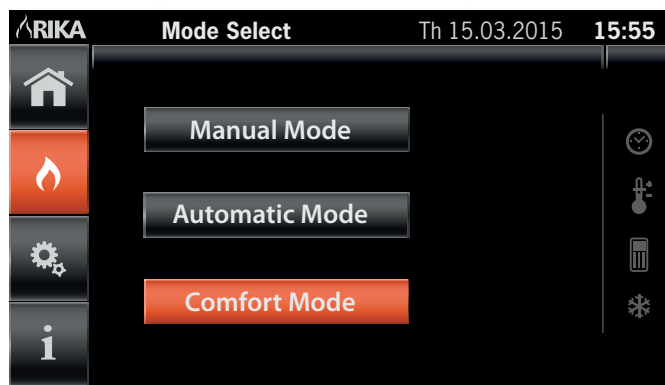


INFO - Information Level

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

The stove operates at a pre-set heat output to the specific heating times. The heating time program regulates the change between STANDBY-status and CONTROL MODE automatically.

Tip

If there are no heating times stored, the icon „heating times“ flashes and the stove is in standby.



Comfort Mode

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

Note

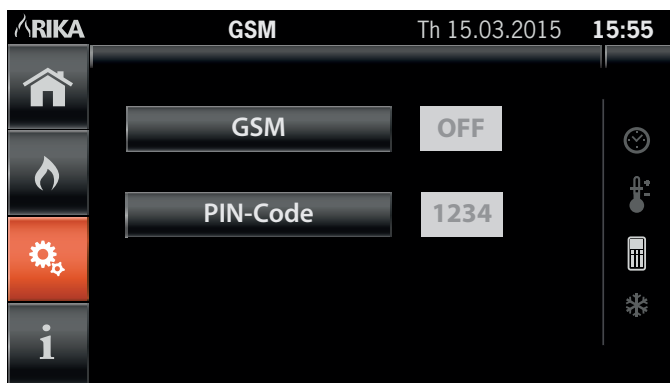
The comfort mode can only be selected if a functioning room sensor is connected!



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 heating times can be programmed in this submenu. A decreasing temperature for the comfort mode can also be set.

Convection Fan

(only stoves with a built-in convection fan)

For detailed information please see page 9.

Frost Protection

(only with connected roomsensor)

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.

Room Sensor Calib. (Calibration)

(only with connected roomsensor)

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.

Screen saver

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

Child Lock

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.

Resets

This button is only available when the stove's temperature is below 80°C. After finishing the service press the button „reset“ to reset the „Feed Rate Service“. With „Enter“ you reset the feed rate service to 700kg, quit with „X“. The button „Factory Setting“ will reset the complete stove settings, reset with „Enter“, quit with „X“.

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.



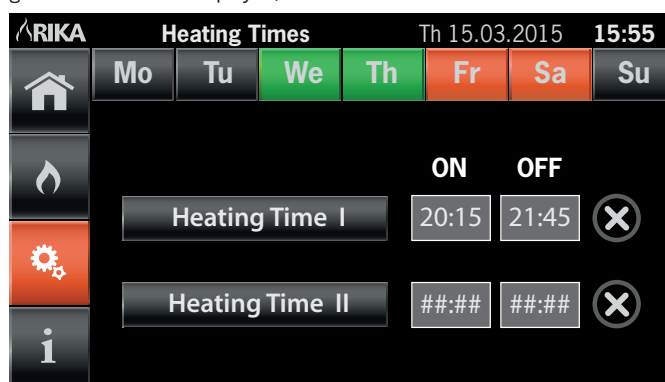
Individual or several days can be selected at the same time and programmed individually in the heating time programme (Automatic and Comfort Mode).

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).



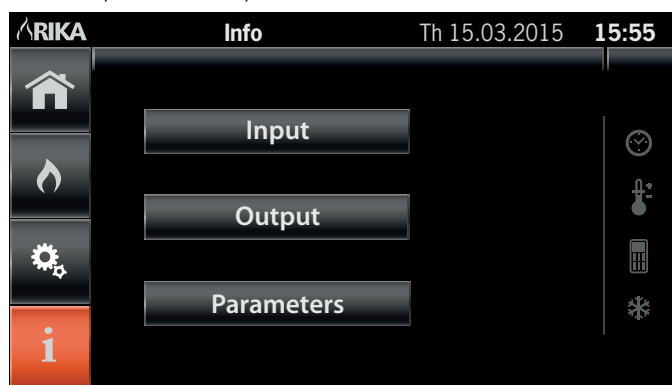
Tip

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.

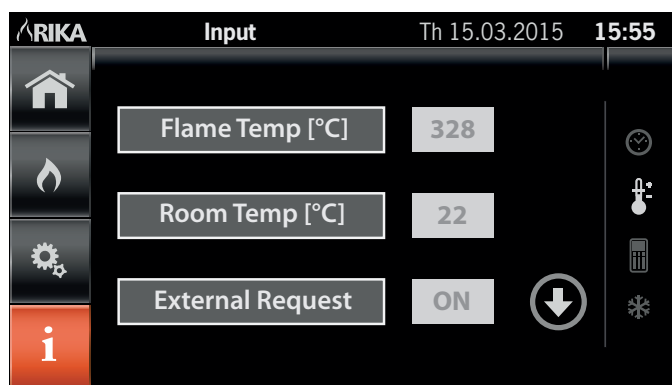
Outputs

All components controlled by the microprocessor are shown.

Parameters

All operating parameters are shown.

INFO – Inputs



Flame Temp [°C] (Flame Temperature)

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

Room Temp [°C] (Room Temperature)

(only with connected room sensor)

Display of the current ACTUAL temperature in the room in degree celsius.

External Request

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

Grid Contact

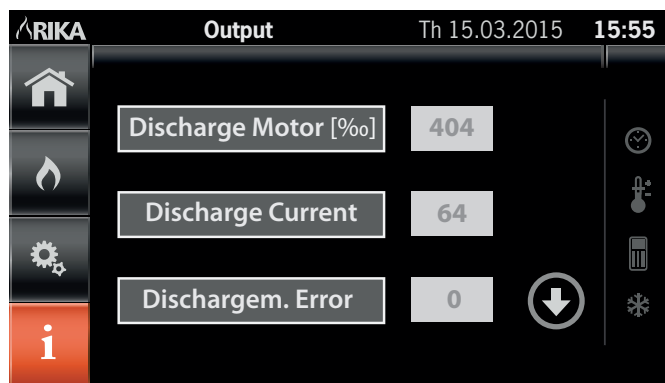
(only stoves with turning grid)

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

Pressure Switch

Shows „ON“, if the negative pressure in the combustion chamber is below a defined threshold. Displays „OFF“ at a normal negative pressure.

INFO – Outputs



Discharge Motor [%]

Current output of screw motor conveying pellets out of the container (range: 0...1000)

Discharge Current

The current consumption of the discharge motor, shown in milliampere (range 0-120)

Dischargem. Error (Discharge Motor Error)

The current consumption of the discharge motor was exceeding the maximum value for normal operation, each second is counted. Reaching 10 seconds the error „Dischargemotor jammed“ is shown.

ID Fan [1/s] (Induced Draft Fan)

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

Conv. Fan

(only stoves with a built-in convection fan)

Shows whether the convection fan is actuated (ON) or not (OFF).

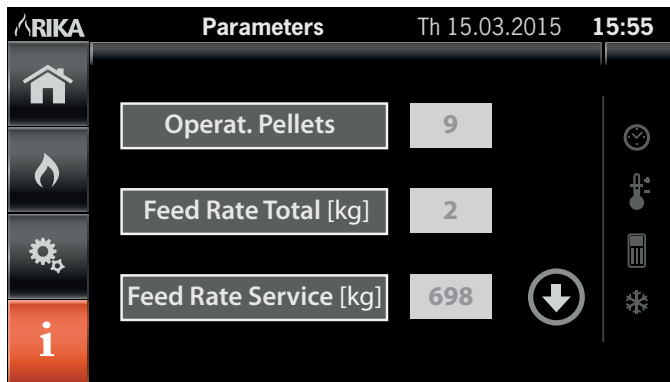
Grid motor

(only stoves with turning grid)

Shows whether the turning grid motor is actuated (ON) or not (OFF).

Ignition

Shows whether the ignition is actuated (ON) or not (OFF).



Operation Pellets

Display of previous total operating hours.

Feed Rate total [kg]

Display of total pellet amount supplied up to present.

Feed Rate Service [kg]

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

Ignition Counter

Current number of all previous pellet ignitions.

Main State

Operating status of main control process.

Sub State

Operating status of sub control process.

Stove Type

Name of the stove type

Software Stove

Current stove control software version.

Software Display

Current software version of the touch display.

ON/OFF Cycles

Displays the total number of interruptions of the power supply.

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!



Operation Modes Manual/Automatic/Comfort

MANUAL MODE

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

AUTOMATIC MODE

The change from the operating status "STOVE OFF" to STANDBY-status (ON button) and from STANDBY-status to STOVE OFF (OFF button) is made by pressing the screen buttons directly in the HOME - main menu. The desired heat output (PLUS / MINUS buttons) is also set here.

The heating time program regulates the change between STANDBY-status and CONTROL MODE automatically.

Tip

If no heating times are stored the icon „heating times“ flashes and the stove remains in standby.



The pellet burner start is within the heating times.

The pellet burner stop is outside the heating times.

In the operating status STOVE OFF no automatic pellet burner start is possible, the system is turned off.

COMFORT MODE

The change from the operating status "STOVE OFF" to STANDBY-status (ON button) and from STANDBY-status to STOVE OFF (OFF button) is made by pressing the screen buttons directly in the HOME - main menu. The desired room temperature (PLUS / MINUS buttons) is also set here.

In the COMFORT mode heating times can be activated additionally.

The pellet burner start is within the heating times (or always with heating times deactivated) if the actual room temperature is below the desired room temperature. In between the heating times the pellet burner starts if the actual room temperature is below the decreasing temperature preset or if the frost protection is activated.

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

In the operating status STOVE OFF no automatic pellet burner start is possible, the system is turned off.

Convection Fan – Control

(only for devices with convection fan, except type Interno)

Settings in the Setup menu

Convection Fan

You can switch on or off the convection fan as needed.

Conv. Fan Level

from level 5 (max.) to level 1 (min.). If you continue to press the „minus“ button, you'll set to AUTO. The convection fan speed will be adjusted automatically depending on the heating power (30 - 100%). This setting should be chosen as standard.

Tip for MultiAir stoves

The manually speed settings are useful if, for example, the second room needs to be heated up quickly or heat needs to be removed from the stove.



Conv. Fan Area

You can also adapt the convection fan speed (+/- 30% fan speed). This is applied for manual and for the AUTO setting. The fan speed can be reduced if the noise is perceived as too loud. Conversely, for MultiAir stoves, the performance can be increased when generally too little heated air is passed into the next room.

Convection Fan – Model Interno

To prevent overheating of the stove, the convection fan in the model Interno can not be switched off. Once the stove is in operation, the convection fan starts for safety reasons. The „AUTO“ setting can not be changed. A fan speed adjustment can still be made.

3. WARNING AND ERROR MESSAGES

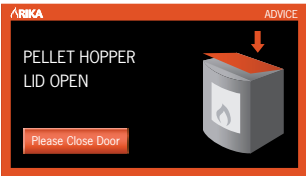
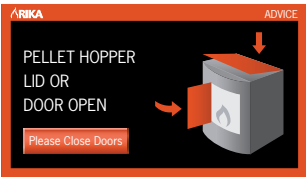

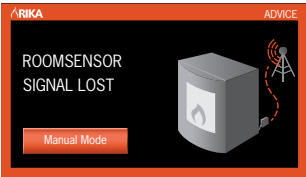
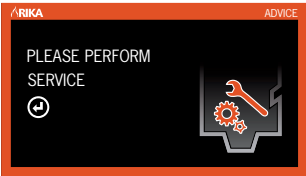
During operation, unforeseen circumstances or intervention by the user may lead to malfunctions or interruptions of the control process. There is a differentiation between warnings and error messages. Warnings are interruptions caused by the user; they can be eliminated by correct actions. Error messages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



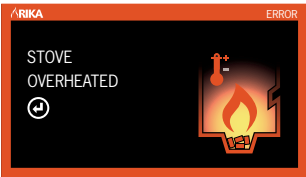
Note

If error messages recur directly, customer service is to be notified immediately.



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 if 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. Check the LED-control of the receiver and, if necessary, change the battery of the transmitter.
	Please perform service (maintenance)	Perform service (see CLEANING AND MAINTENANCE), after finishing the service press the button „Feed Rate Service“ at “Resets” at the setup menu.

display	meaning	action to be taken
	There are no longer sufficient pellets in the container.	Acknowledge error message and refill pellets. Note: the following ignition can take a longer time because the screw has to be filled up with 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.
	The discharge motor 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 discharge motor can not be controlled because of a blockade.	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.) Check your chimney (draft).
	<i>Only for model TopoII</i> The STL (safety temperature limiter) has activated. The stove overheated and switched off automatically due to a safety risk.	Manually deblock STL at stove rear wall (press) acknowledge error message and restart stove
	<i>Only for model Interno</i> The stove overheated and switched off automatically due to a safety risk.	Let the stove cool down completely. Check if all convection outlets are free. Acknowledge error message and restart stove. Ensure that the convection fan is running.

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

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