QUICK START GUIDE

Important

Thank you for deciding to buy one of our motorhomes and welcome to the ranks of Auto-Trail owners.

This quick start-up guide is designed to enable you to get up and running in your motorhome. If you encounter any problems during any stage then please refer to your main handbook which can be viewed and downloaded at: www.auto-trail.co.uk.

Likewise, the daytime to night-time bed make up information can be found in the download section of the Auto Trail website.

If the problem persists or anything is unclear, please consult your supplying dealer.

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EC 700 power control system

Electrical system

All Auto-Trail vehicles have both a 12V and a 230V electrical system. The 12V system is supplied by a rechargeable leisure battery that is located in a dedicated battery compartment within the vehicle.

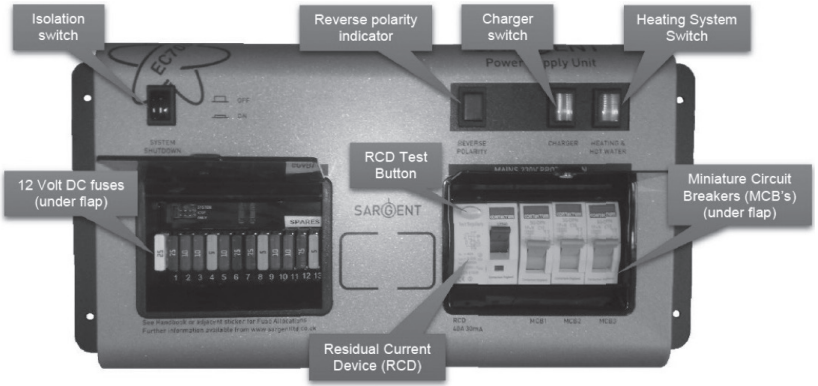
The leisure battery is charged by either the vehicle alternator when the engine is running or by the on-board charger when the vehicle is plugged into a suitable mains supply. If your vehicle is fitted with a solar panel this will also charge the leisure battery when conditions allow.

Connecting to a mains supply will also activate the various 230V sockets and mains appliances.

- Connect the 230V supply into the motorhome then into the site supply.
- Press the isolation switch on the power supply unit to turn the system on.
- Turn on the on-board charger by pressing the charger button on the power supply unit (button will illuminate).
- Press the power button on the control panel (situated over the entrance door). The system is now ready for use.

EC 700 power control system

Component Layout



EC 700 power control system

The EC 700 has a shutdown feature that can be used when the vehicle is in storage. This allows the leisure electronics to be turned off when not required to save battery power. When in the 'off' position the alarm and tracking system supplies are still active, all other supplies are turned off.

Control panel operation

Power button – pressing this button switches on the power at the PSU and enables the water pump(s) and lights to be switched on and off.

Pump button – pressing this button switches the pumps on and off. When 'on' the button will be illuminated.

Water levels – pressing this button takes you to the water levels screen allowing you to view the water levels in the fresh and waste tanks (where fitted).

Power levels – pressing this button takes you to the power levels screen allowing you to view; battery voltages, active battery current, ac current and solar current.

Main light – pressing this button toggles the main lights 'on' and 'off'. When 'on' the button will be illuminated.

Awning light – pressing this button toggles the awning / entry lights 'on' and 'off'. When 'on' the button will be illuminated.

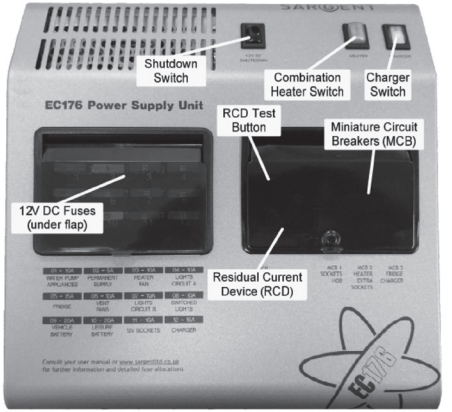
Dimmed lights – pressing this button toggles the dimmed lights 'on' and 'off'. Pressing and holding the dimmed lights button will change the dimming level whilst held.

Settings – pressing this button takes you to the first 'settings' screen (power settings), from here the other 'settings' screen can be accessed (power settings, lighting settings, screen settings, time & date).

Screen wake – after a period of inactivity (the default time is five minutes) the screen will power down and the backlight will switch off to help conserve power. Simply touch the screen in any place to reactivate the screen.

EC 176 power control system

EC 176 power control system



Activating the system

The EC176 system has a shutdown feature that should be used when the vehicle is in storage or is not being used for long periods of time, this allows the leisure electronics to be turned off when not required to save battery power. Before using the system please ensure the system shutdown switch is in the on position (button in).

The 12V fuses protect the various 12V circuits within the vehicle.

The RCD is used to protect the user from an electric shock should a fault develop, and the MCBs basically act like traditional fuses that will 'trip' if an overload should occur on the protected circuit.

Control panel operation

Power button - press the power button to turn the leisure power on. Press the button again to turn the power off. The adjacent LED will illuminate when the power is on, and also the voltage of the selected battery will be displayed on the screen. When the vehicle engine is running this LED will flash to indicate the leisure battery is being charged

Pump button – with the power on, press the pump button to turn the water pump on. Press the button again to turn the pump off. The adjacent LED will illuminate when the pump is on, and also the level of the water tank will be displayed on the screen.

Light button – with the power on, press the light button to turn a selection of internal lights on. Press the button again to turn these lights off. The adjacent LED will illuminate when the lights are on. The lights will be turned on and off automatically each time the power button is operated.

Awning light button – with the power on, press the awning light button to turn the awning light on or off. The adjacent LED will illuminate when the light is on.

Levels/scroll button – use this button to scroll through the various levels screens/menu items or to cancel alarms/warnings. Note: The screen illumination/backlight will turn off after a period of time. Press the levels button to reactivate the illumination.

Select button - use this button to select options/items or to change settings.

Gas system

The gas appliances in your vehicle are fed from a cylinder that is housed in a sealed cylinder compartment. Gas flows from the gas bottle via a bulkhead mounted regulator which provides a working gas pressure of 30m bar.

- Secure the LPG bottle in the gas compartment using the securing straps and fix the hose firstly to the regulator, then to the gas bottle using a spanner.
- Turn the valve on the gas bottle to the ‘open’ position.
- If your vehicle is fitted with a ‘Drive Safe’ regulator then please follow the instructions on the yellow label close to the regulator.
- Locate the gas isolation valves in your vehicle and ensure they are all turned to the ‘on’ position.
- Purge the gas system by opening the glass lid of the hob and turning one burner to the ‘on’ position. After a short while the burner should light and gas should be available at all appliances.

Water system

Your vehicle has an on-board fresh water tank that supplies all the water systems inside your vehicle. The volume of the fresh water tank will vary depending on which model you have chosen.

- Ensure both the fresh water and waste water tank drain valves (located outside the vehicle) are in the ‘closed’ position.
- Ensure the Truma drain valve (located inside the vehicle) is in the ‘closed’ position.
- Locate the fresh water tank inlet in the side of your vehicle (indicated by a blue symbol).
- Remove the filler cap and fill using a food grade hose.
- Close all taps except the kitchen sink tap which should be set to the ‘hot’ position.
- Press the pump button on the control panel and wait until water is flowing from the hot tap. Please note this may take a few minutes for air to be forced out of the system.
- Set the kitchen tap to the ‘cold’ position and wait for water to start to flow.
- Repeat this process for all other taps in the vehicle.

Appliances - refrigerators

Dometic 8505 refrigerator

Switching ON/OFF

Switch ON by pressing button (1) for 2 seconds.

Manual operation

Select energy source with buttons (2,3,4).

Set temperature by pressing button (6).

Automatic operation

Change over to 'automatic' selection with button (5). Automatic energy selection (if available) sequence of priority:

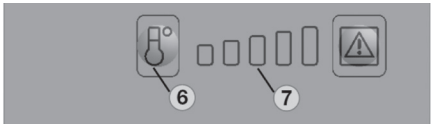
2) 230V AC

3) Liquid gas

4) 12V DC

Set temperature by pressing button (6).

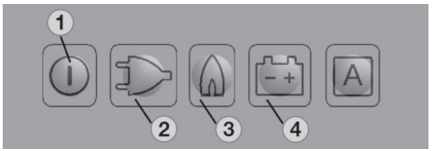
Setting the compartment cooling temperature



Select the desired cooling compartment temperature by pressing button (6). The LED display (7) shows the selected temperature.

The scale starts with the MIN position at the left LED position (small bar = highest temperature) and climbs up to the MAX position at the right LED position (large bar = lowest temperature). Please note the temperature levels do not relate to absolute temperature values.

Manual operation



To start the refrigerator, press button (1) for 2 seconds. The refrigerator starts with the last selected type of energy.

230V operation: press button (2)

Gas operation: press button (3)

12V DC operation: press button (4)

Automatic operation

To start the refrigerator press button (1) for 2 seconds. The refrigerator starts with the last selected type of energy. Press button (5) 'A'.

Upon switching on the refrigerator the electronics automatically selects one of the three possible energy types: 230V – 12V - liquid gas. The control electronics automatically ensures that the refrigerator is supplied with the optimum source of energy in each respective case.

Sequence of priority **2)** 230V AC
3) Liquid gas
4) 12V DC

Switching off the refrigerator

Push button (1) for 3 seconds, the display will disappear and the appliance will turn off.

Dometic RM8501 refrigerator

Switching ON

Switch ON by pressing button (1) for 2 seconds.

230V AC operation

Select 'mains voltage' by pressing button (2).

Set the temperature by pressing button (6).

12V DC operation (vehicle battery)

Select 'battery voltage' by pressing button (4).

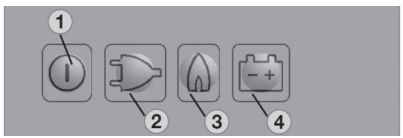
Set temperature by pressing button (6).

Gas operation

Select 'gas' by pressing button (3).

Set temperature by pressing button (6).

Electrical operation



To start the refrigerator press button (1) for 2 seconds. The refrigerator will start with the last selected power source.

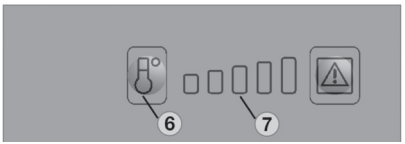
230V operation press button (2).

12V operation press button (4).

Gas operation

Press button (3). The ignition process is activated automatically by means of an automatic igniter.

Setting the cooling compartment temperature



Select the desired cooling compartment temperature by pressing button (6). The LED display (7) of the selected temperature is illuminated.

The scale starts with the **MIN position** at the left (small bar = highest temperature) and climbs up to the **MAX position** at the right LED position (large bar = lowest temperature).

Note

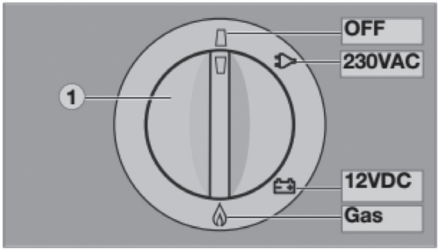
The temperature levels do not relate to absolute temperature values.

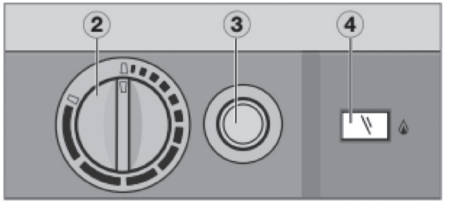
Switching off the refrigerator

Push button (1) for 3 seconds, the display will disappear and the appliance will turn off.

Appliances - refrigerators

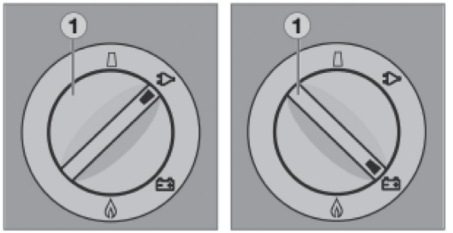
Dometic 8501 refrigerator





1) Manual energy selector
2) Temperature controller
3) Battery igniter (gas)
4) Flame indicator (galvanometer)

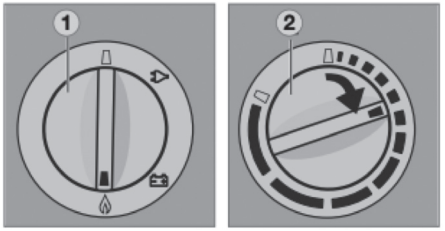
Electrical operation



Switch on the appliance by turning the energy selection switch (1) to:

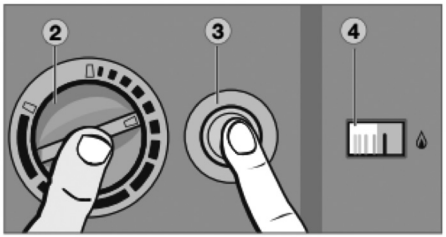
230V operation
12V operation

Gas operation



Turn the rotary selector switch (1) to position

Turn the temperature selector switch (2) clockwise and push. Keep the controller button depressed.



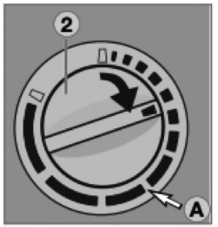
Then press button (3) of the igniter and keep it depressed.

The ignition process will start automatically.

Once the flame ignites the galvanometer (4) will begin to move into the green section, the refrigerator is operational.

Keep the button pressed for approximately 15 seconds before releasing it.

Setting the cooling compartment temperature

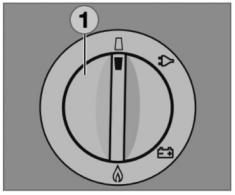


Select the desired cooling compartment temperature by turning the rotary knob (2).
The scale starts with a MIN position (small bar = highest temperature) and climbs up to a MAX position (large bar = low temperature).

Note the temperature levels to not relate to any specific temperature values.

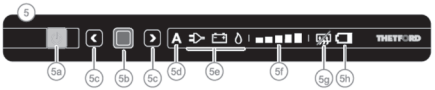
Switching off the refrigerator

Turn the energy selector switch (1) to the OFF position. The appliance is switched off.



Appliances - refrigerators

Thetford N3000 refrigerator



5	Control panel
5a	On / Off switch
5b	Confirmation button
5c	Arrow buttons
5d	Automatic function (not present on all models)
5e	Energy sources
5f	Cooling level indicator
5g	Anti condensation (only for model B)

Switching on the refrigerator

To switch on the refrigerator, push the on/off switch and hold it for 1 second, as illustrated. A light on the on/off switch will turn green.

After 10 seconds the settings will dim. The green light indicates the refrigerator is still operating. To check the settings push the on/off switch. The last selected setting will light up.

Selecting source

After switching on the refrigerator, push the confirmation button and hold it for 2 seconds. The symbols for the sources light up and start to blink.

Choose the desired source by pushing the arrow buttons.

Confirm your choice with the confirmation button.

230V	The refrigerator is powered from the mains supply.
12V	The refrigerator is powered from the battery of your vehicle.
Gas	The refrigerator is powered from the on-board gas bottle.

Selecting the cooling level

After switching on the refrigerator, push the confirmation button for 2 seconds.

The symbols for the sources start to blink. Push the confirmation button again.

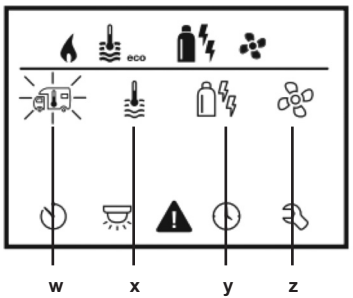
The cooling level indicators start to blink. Use the arrow buttons to choose the desired cooling level.

Confirm your choice with the confirmation button.

Switching off the refrigerator

Before defrosting your refrigerator, or storing your vehicle, switch off the refrigerator. Push the on/off switch as illustrated, and hold it for 2 seconds to switch off the refrigerator. All lights will go out.

Truma Combi boiler CP plus controller

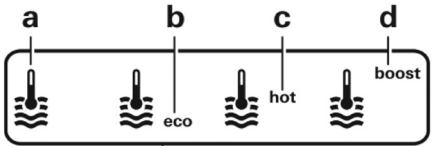


Water heater operation

Press and hold rotary control (8) for 3 seconds, the system will turn “on”.
The display will alternate between the time and the temperature displays. Press the rotary control (8) to adjust the settings, the display will then show the ‘symbols’ screen (3).

Rotate the control (8) until the thermometer symbol (x) flashes, then press rotary control (8) to select this setting and allow water temperature adjustment.

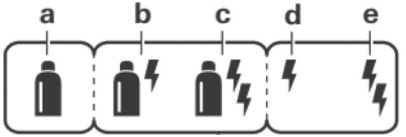
To adjust the water temperature turn the rotary control (8) to select either ‘eco’ (b) which delivers hot water at 40ºC, ‘hot’ (c) which delivers water at 60ºC, or ‘boost’ (d) which will rapidly heat the water for a maximum of 40 minutes.



Appliances - space and water heating

Electrical operation

Turn the rotary control (8) until the energy symbol (y) is flashing. Press rotary control to allow the energy selection to be adjusted between ‘EL1’ (1kw) or ‘EL2’ (2kw) on the display. Press the rotary control (8) to confirm.



Gas operation

Turn the rotary control (8) until the energy symbol (y) is showing on the display. Press the rotary control to select this option and allow adjustment of the energy selection.

Turn the rotary control (8) until ‘GAS’ is showing on the display. Press the rotary control to make the selection.

Space heater operation

Press and hold rotary control (8) for 3 seconds, the system will turn “on”. The display will alternate between the time and the temperature displays. Press the rotary control (8) to adjust the settings,
the display will then show the ‘symbols’ screen (3).

Rotate the control (8) until the thermometer symbol (w) flashes, then press rotary control (8) to select this setting and rotate the control to set the room temperature. Press to confirm the selected temperature.

Electrical operation

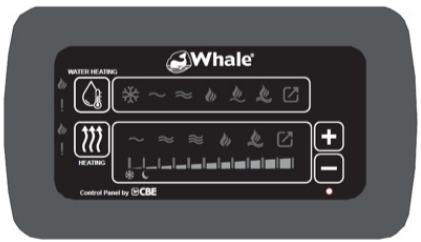
Turn the rotary control (8) until the energy symbol (y) is flashing. Press rotary control to allow the energy selection to be adjusted between ‘EL1’ (1kw) or ‘EL2’ (2kw) on the display. Press the rotary control (8) to confirm.

Gas operation

Turn the rotary control (8) until the energy symbol
(y) is showing on the display. Press the rotary control to select this option and allow adjustment of the energy selection.

Turn the rotary control (8) until ‘GAS’ is showing on the display. Press the rotary control to make the selection.

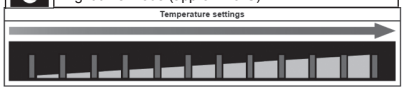
Whale heat air space heater



The Whale 'Heat Air' space heater uses a combined control panel that controls both the vehicle heating and the vehicles domestic hot water system.

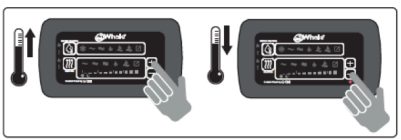
Meaning of the various symbols

Icon	Description
	Space heater on/off & power source selection button
	0.75kW electric selected
	1.50kW electric selected
	3.00kW electric selected
	Gas selected
	Gas + electric selected
	External control from alternative sources*
	Increase temperature button
	Decrease temperature button
	Gas lit indicator
	Lockout indicator
	Frost protection mode (approx. 5ºC)
	Night time mode (approx. 16ºC)



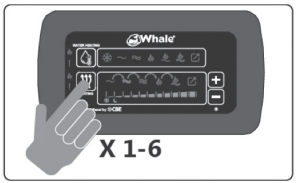
*Not available on all models

To select the temperature



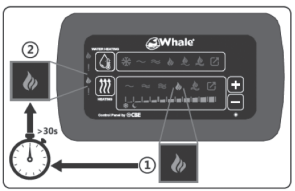
Pressing the '+' or '-' button will increase or decrease the heat inside the vehicle.

Select the power setting



Pressing the power button repeatedly will scroll through the various power options available.

Turning the gas power on



When turning the heater on to the 'gas' power mode the system will attempt to ignite for 30 seconds. If ignition is successful, the 'gas' indicator will illuminate near to the power switch.

Appliances - space and water heating

Useable electric settings

Usable Electric Settings	
6A 0.75kW 230V a.c.	
10A 1.50kW 230V a.c.	
16A 3.00kW 230V a.c.	

Electric power management

When selecting a high electric setting on the space or water heater, the control panel may automatically step down the other Whale space / water heater to a lower electric setting or turn off if at risk of exceeding 16A. The last heater selected has AC mains priority.

Whale Expanse Water Heater

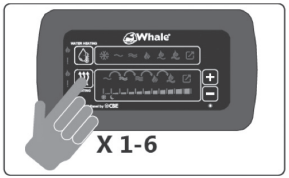
The Whale Expanse Water Heater is a compact and lightweight water heater with an 8 litre tank. It can run on liquid gas or 230V mains supply or a combination of both

Meaning of the various symbols

Icon	Description
	Water heater on/off & power source selection button
	Frost protection mode (approx. 5ºC)
	0.75kW electric selected
	1.50kW electric selected
	Gas selected
	Gas + 0.75kW electric selected
	Gas + 1.50kW electric selected
	External control from alternative source*
	Increase temperature button
	Decrease temperature button
	Gas lit indicator
	Lockout indicator

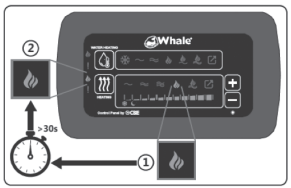
*Not available on all models

Selecting the power setting



Pressing the button repeatedly will scroll through the various power options. The power option selected will illuminate.

Turning the gas power on



Electric power management

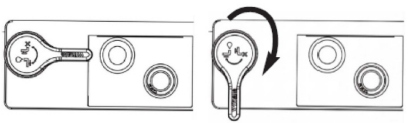
When selecting a high electric setting on the space or water heater, the control panel may automatically step down the Whale space / water heater to a lower electric setting or turn it off if a risk of exceeding 16 amps. The last heater selected has AC mains priority.

Turning the heaters off

Pressing the relevant power button until no heat source is illuminated will turn the respective heater ‘off’.

Frost protection / drain valve

Check the location of the water heater drain valve inside your vehicle and open to fully drain the vehicle water system if it is not going to be used for more than 3 days or if there is a risk of frost.



Closed position Open position

Appliances - central heating system

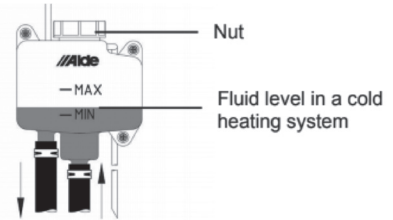
Alde central heating system

The Alde Compact 3020 HE boiler is designed to provide both heat and hot water. The heating system includes both an LPG burner and electric heating elements and you can use the system with either LPG, 230V electricity or both.

Before using the central heating system familiarise yourself with the location of the expansion tank and check the 'glycol' levels which should be between the 'min' and 'max' levels.

The heating system is operated via a control panel which is located over the entrance door.

For more detailed instructions on the Alde heating controller please refer to the specific handbook supplied with your vehicle.



Turning the boiler ON and OFF

To start the boiler, press the on/off button and the start-up display appears. The boiler starts with the last selected settings. A green LED comes on beside the on/off button when the panel/heating system is on.

To switch off the boiler, press the on/off button.

Settings menu

Launch the settings menu by pressing the MENU button. The background light comes on and those functions that can be set are displayed. Settings that you make are automatically saved after 10 seconds.

The control panel will go to standby automatically after 30 seconds if the screen has not been touched.

Setting the desired room temperature

The temperature displayed is the temperature which is currently set.

Increase the temperature by pressing the + button. Reduce the temperature by pressing the - button.

The settings are now complete and the boiler will work at the set temperature.

Setting domestic hot water

If there is freshwater in the heater and hot water is required, press the + button (the symbol will then show half-shaded). Press the - button to reduce the water temperature.

The bar chart shows the temperature selected from no preferred temperature (chart empty) to high temperature (chart fully black).

Choosing energy settings – 230V electrical operation

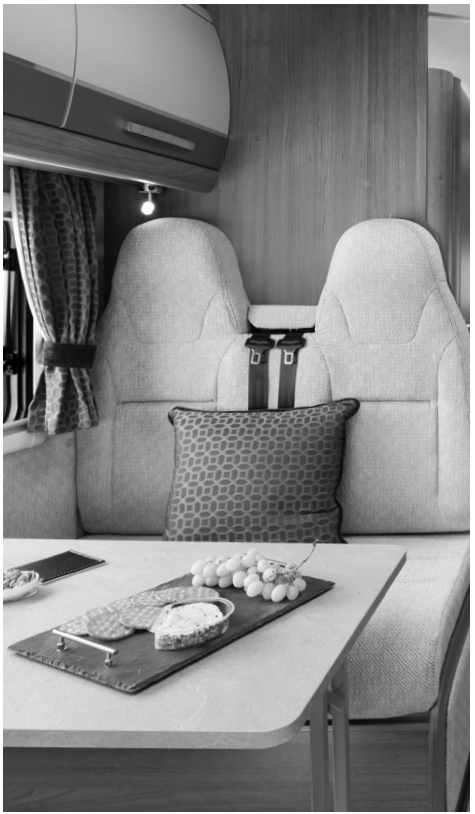
Use the + or - button to switch on the electric heating and toggle between the various power modes (off,1kW,2kW or 3kW). The set value will be displayed on the screen.

Choosing energy settings – gas operation

Start gas operation by pressing the LPG flame symbol. The LPG symbol is activated and changes colour to green.

The settings are now complete and the boiler will work at the set temperature.

To switch off gas operation, press the LPG flame symbol. It will now change to blue.



AUTO TRAIL

QUICK START GUIDE

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