


Seattle Control Panel User Manual





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
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Overview

The control panel provides the user with a central point to check:

- Leisure battery voltage
- Vehicle battery voltage
- Level in fresh/waste water tank
- Current in Amps being drawn from the leisure battery
- Inside (Internal)/Outside (External) temperature
- Clock

The control panel also provides the user with the ability to:

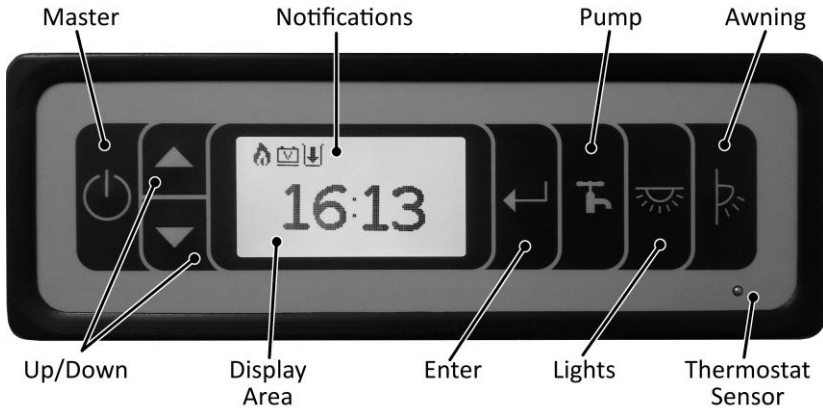
- Switch off all non-essential electrical appliances/accessories
- Switch off all the lights
- Switch off the pumps
- Switch the awning light
- Charge the vehicle battery when 230V mains is connected
- Force internal pump to run (For purging pipes)
- Control Whale Space/Water Heater

The control panel has optional audio and visual warnings for:

- Low battery (Leisure)
- Low battery (Vehicle)
- Low level (Fresh water tank)
- High level (Waste water tank)
- High power drain (Leisure battery)
- 230V mains supply lost
- Whale Space/Water Heater Lockout Faults

Note: (Some options/features may be unavailable on selected models)

Function Buttons



Master Switch

When pressed will switch power to all non-essential accessories. Holding down the master switch will cause the control panel to shut down completely. The time will be lost and have to be reset when restarted. The control panel can also be shut down from user settings.

Note: Essential appliances may remain powered when the master switch is off, for example the alarm or fridge

Lights Switch

When pressed will switch power to all the interior lights.

Note: If the master switch is off, this button will not function.

Pump Switch

When pressed will enable/disable the water pumps. If the water level is 0% the pump may not run, holding this button will force the internal pump to run regardless of tank level.

Note: If the master switch is off, this button will not function.

Note: See “Notifications and Warnings” section for pump running notification.

Awning Switch

When pressed will switch power to the awning light outside.

Note: If the master switch is off, this button will not function.


Fridge Switch


When pressed will switch power to the Fridge.

Note: If the master switch is off, this button will not function.

Note: (Some options/features may be unavailable on selected models)

Navigation Buttons

Use  and  buttons to navigate up and down through menus.

Press  to enter menus or change settings (if further settings are available).








Menus

Note: (Some options/features may be unavailable on selected models)

Home

The home screen is displayed by default. The control panel will return to the home screen when left idle. The home screen displays the time as well as any relevant notifications or warnings that are present.


Setting the time:

1. On the home screen, hold  for 3 seconds until the hours begin to flash.
2. Keep pressing  or  to change hours.
3. Press  to set hours, minutes will now flash.
4. Keep pressing  or  to change minutes.
5. Press  to finish.

Select Battery



With 230V mains disconnected, the user can choose to draw power from the leisure battery OR the vehicle battery.





Press  to swap between batteries.




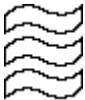





If the “Auto-Battery” feature is enabled (see “User Settings” section) the system will automatically switch to “Vehicle Battery” if the “Leisure Battery Voltage” is low (less than 11V).




When 230V mains is connected “Leisure Battery” is automatically selected and cannot be changed.





Note: See “Notifications and Warnings” section for vehicle battery notification.

Whale Space Heater

This control panel has been designed to integrate Whale appliances into a single control panel. To turn the heater off/on press . The screen will display either the word off or the thermostat setting. To change the heating mode press and hold  and the mode icon will begin to flash. Press  or  to change the mode between the following options:





Icon	Mode	Description
	2000W	Heat boost electric setting
	1000W	Intermediate heat electric setting
	500W	Quiet / night time electric setting
	Off	Heater off position
	Fan Only	Air circulation setting, no heat output
 or 	Gas	Gas only setting
 or 	Heat Boost Setting	Uses gas and electric simultaneously for higher heat outputs.




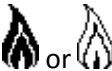


On all gas settings a filled flame  represents that the gas is currently burning. An empty flame  shows that gas is selected but not burning. A flame icon  on the homepage will also indicate that a gas appliance is currently in use.


Once the intended mode is selected press  to set the mode and move on to thermostat temperature selection. Select the desired room temperature with the  and  buttons and press  to save.




Note: Please consult the Whale user manual for more detailed information on each mode.

Whale Water Heater

This control panel has been designed to integrate Whale appliances into a single control panel. To turn the boiler off/on press . The screen will display either the word off when the boiler is off. To change boiler mode press and hold  and the mode icon will begin to flash. Press  or  to change the mode between the following options:

Icon	Mode	Description
	Electric high only	To operate the heater on electric high setting only
	Electric low only	To operate the heater on electric low setting only
	Heater off	To turn the heater off completely
	Gas function	To operate the heater on gas only
	Gas and electric low	To operate on gas and electric low
	Gas and electric high	To operate on gas and electric high

Press  to set the heater mode.

On all gas settings a filled flame  represents that the gas is currently burning. An empty flame  shows that gas is selected but not burning. A flame icon  on the homepage will also indicate that a gas appliance is currently in use.

Note: Please consult the Whale user manual for more detailed information on each mode.

Whale water/space heater lockouts

In the event of a Whale lockout, attempt to turn the heater on and follow the on screen instructions. If this fails to clear the fault, please consult the Whale user manual.

Note: Please consult the Whale user manual for more detailed information on the lockouts.

Water Level



The level in the fresh water tank is displayed as a % on this screen.

Note: See “Notifications and Warnings” section for water low warning and “User Settings” section for water low alarm enable.

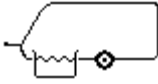
Waste Level




The level in the waste water tank is displayed as a % on this screen.

Note: See “Notifications and Warnings” section for waste high warning and “User Settings” section for waste high alarm enable.

Water Source




The Water Source can be swapped between internal and external tanks by pressing .

Note: If the external tank is empty the external pump automatically shuts off. To restart the external pump when the external tank has been refilled the pump master switch must be turned off then on again.

Fill Internal Tank?






With the external pump connected to the inlet and to an external water source, press  to fill the internal tank.

Note: When the internal tank is full the pump will stop automatically.

External Temperature






The outside temperature, as detected by a sensor underneath the van, is displayed on this screen.

You can change between degrees Celsius and degrees Fahrenheit by pressing  and selecting  for °C or  for °F.

Internal Temperature







The inside temperature, as detected by a sensor inside the control panel, is displayed on this screen.

You can change between degrees Celsius and degrees Fahrenheit by pressing  and selecting  for °C or  for °F.

Leisure Battery Amps



The current being drawn from your leisure battery, in Amps, is displayed on this screen. A higher current will drain your battery faster.





To display current draw as a percentage press  then . 12A reads 100%. You can return to displaying in Amps by pressing  then .

Note: See “Notifications and Warnings” section for High current warning and “User Settings” section for amps high alarm enable.

Leisure & Vehicle Battery Voltage



This screen shows the voltage of the currently selected battery as set on the “Select Battery” screen. If a 230V mains supply is connected then the charging voltage of the Leisure battery will be displayed.


An estimate of your batteries’ remaining charge can be seen by pressing  then . 12V or less reads 0%, and 12.7V or more reads 100%. You can return to displaying the voltage by pressing  then .

To increase accuracy of the battery voltage reading, switch the “Master Switch” off.








Note: See “Notifications and Warnings” section for low voltage warnings and the “User Settings” section the Low Volts alarm enable.

User Settings



Press  to access the “User Settings” screen.
See below for a description of each option.

Navigation

1. You can scroll through the settings with the  and  buttons.
2. To edit a setting, highlight it then press  to change.
3. If there are several options you may need to use the  and  buttons to change value.
4. Press  to accept new value.
5. To exit, scroll to “Exit to main menu” and press .

Settings

Contrast

Adjusts the contrast of the LCD display if you are finding it difficult to read.

Sound

Enables or disables the sound when a button is pressed

Chg V Batt


When enabled the vehicle battery will be charged while 230V mains is connected. The leisure battery will also be charged at the same time.

Standby

Sets how long the control panel waits for a button press before going into standby.

Water Low


Enables or disables the warning alarm when the water tank is low.

Press  to acknowledge an alarm that has triggered.

The warning will only re-arm when the water level increases by 25%.

Waste High


Enables or disables the warning alarm when the waste tank is high.

Press  to acknowledge an alarm that has triggered.

The warning will only re-arm when the waste level is reduced to 50%.

230V Lost


Enables or disables the warning alarm when the 230V mains connection is lost.

Press  to acknowledge an alarm that has triggered.

The warning will only re-arm when the 230V connection is restored.

Amps High


Enables or disables the warning alarm when the current drawn from the leisure battery exceeds 12A.

Press  to acknowledge an alarm that has triggered.

The warning will only re-arm when the current is reduced below 5A.

Veh Batt Low


Enables or disables the warning alarm when the vehicle battery voltage is less than 11V.

Press  to acknowledge an alarm that has triggered.

The warning will only re-arm when the vehicle battery is charged over 13V

Leis Batt Low

Enables or disables the warning alarm when the leisure battery voltage is less than 11V.

Press  to acknowledge an alarm that has triggered.

The warning will only re-arm when the leisure battery is charged over 13V.

Auto Battery

When enabled the power source will switch to vehicle battery automatically if the leisure battery is low. When a charging voltage is detected, the power source will switch back to leisure battery.

Shut down now

Pressing enter here will shut the control panel down into its low power mode. The master switch will be turned off and the clock will lose its time. Pressing any button will turn the panel back on.

Firmware

Displays the current firmware version installed on the control panel.









Exit to Main Menu

Saves any changes to the settings and navigates back to the main menu.













Notifications and Warnings


There are a number of icons that can appear at the top of the home screen.

See below for a description of each icon.

Icon	Description
	Internal pump is running
	The leisure battery voltage is below 12.2V
	Over 12A of current is being drawn from the Leisure battery
	The water tank level is below 10%
	The waste tank is over 75% full
	The living space is being powered by your vehicles' battery rather than the leisure battery.
	The 230V mains is connected
	A connected gas appliance is using the gas supply.

Whale Water/Space heater lockout notifications:

Icon	Description
	Space heater General fault
	Space heater Ignition fault
	Space heater Over-heat fault
	Space heater Voltage fault
	Space heater Air-pressure fault
	Space heater Miscellaneous fault
	Water heater General fault
	Water heater Ignition fault
	Water heater Over-heat fault
	Water heater Voltage fault
	Water heater Air-pressure fault
	Water heater Miscellaneous fault

When a new warning is triggered it may be accompanied by a pop up alarm screen if the appropriate user setting is enabled. When this happens the control panel will flash and beep until the warning is acknowledged by pressing .

In the event of a Whale lockout, attempt to turn the heater on and follow the on screen instructions. If this fails to clear the fault, please consult the Whale user manual.

Notes: Please consult the Whale user manual for more detailed information on the lockouts.

Warranty

If you believe there is a problem with your control panel please contact your dealer who will be able to help.