



**HEAT** AIR

## Gas Space Heater

Recreational Vehicle warm-air heater operates using gas

SL3501, SL3511, SL5501, SL5511, SL5601, SL5611, SL6501, SL6511

Operating Instructions



## Operating Instructions

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### Heat Air Pack Contains:

1 x Gas Space Heater

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## 1. Safety

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For safe use carefully read, understand and keep these Operating Instructions. Observe applicable laws, directives and standards.

Not following the information in these Operating Instructions can result in serious material damage and serious risk to health or life of persons. Only operate this appliance and its control panel if they are all in perfect condition. If damaged, contact Whale Support immediately.

It is the sole responsibility of the vehicle owner to ensure that the appliance is in a safe operating condition and is operated correctly.

### A Safe Operating Environment

- The unit may be operated only with approved Whale control panels and accessories.
- If the flues have been placed near or directly beneath an opening window, the device **must be** equipped with an automatic shut-off device in order to prevent operation with the window open (BS EN 1949).
- During cleaning do not project water jets directly onto heater casing or flue openings.
- Do not drive the vehicle through a ford or deep water which may submerge the heater.
- The exhaust flue and combustion inlet **must be** kept clear at all times and if necessary cleaned, e.g. in Winter it may be necessary to clear snow (BS EN 624).

- Heater **must not be** operated when refuelling the vehicle, the towing vehicle or other appliances or when the vehicle in which the heater is installed is in a confined space such as a garage (BS EN 624). Ensure that the heater definitely cannot be switched on via any other means of controlling the heater.

### **Safe Operation of the Heater**

- Keep all air inlets and outlets clear at all times (BS EN 624).
- The surfaces of the heater and exhaust flue in addition to the exhaust gases may become hot.
- Any heat sensitive materials **must not be** stored in the same compartment as the heater or warm air ducting and outlets.
- Do not touch the area around the exhaust duct and do not lean any objects against the exhaust duct or flue terminal.
- The gas supplied to the heater **must be** in the gaseous state (BS EN 1949).

## **2. Warnings (BS EN 624)**

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In the unlikely event of leaks in the gas system, or if there is a smell of gas:

- Extinguish all naked flames
- Switch off all appliances and do not operate any electrical switches
- Turn off all gas appliances
- Open windows and doors for ventilation
- Do not smoke
- Shut off gas connection
- Leave the vehicle

Immediately ensure that the system is thoroughly checked by a registered gas engineer at a Whale® Approved Service Centre or by a member of the Whale Service Engineer Network. For Europe, please see enclosed Webasto-Service information.

### 3. Specification

Flue Type	Type C <sub>13</sub> & C <sub>53</sub> (fanned)
Destination Countries	AT, BE, BG, CH, CY, CZ, DE, DK, EE, FI, FR, GB, GR, HU, HR, IS, IT, LT, LU, LV, MT, NL, NO, PL, RO, SE, SI, SK, TR
Dry Storage Temperature	-20°C to 70°C
Battery Supply	10.5 – 15.9 V
Gas Supply	LPG: Butane/Propane 30mbar - CAT I <sub>3B/P (30)</sub>
IP Rating	IP45

<b>HEAT AIR</b>	Qn [kW] 	M [g/hr] 	V [m <sup>3</sup> /hr] 	Fuse Size [A] 	[kg] 
SL3501XX	3.30	239	153	10	5.5
SL3511XX	3.30	239	153	10	5.5
SL5501XX	4.70	342	153	10	5.5
SL5511XX	4.70	342	153	10	5.5
SL5601XX	4.70	342	172	10	5.5
SL5611XX	4.70	342	172	10	5.5
SL6501XX	6.00	436	220	10	5.9
SL6511XX	6.00	436	220	10	5.9

### 4. Application (BS EN 624)

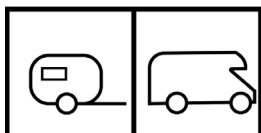
#### Operation while driving (BS EN 624 and UN ECE R 122)

Throughout Europe, this appliance may be used while driving (UN ECE R 122) only if the system includes a gas pressure regulator with an appropriately configured gas installation. National regulations and rules **must be** followed.

Directive UN ECE R 122 stipulates that a safety shut-off device is required if this appliance is operated while driving.

If no safety shut-off device has been installed, the gas cylinder **must be** closed when driving.

To prevent damage to the appliance from spray water, such as when cleaning the vehicle, do not spray water directly into the exhaust duct, combustion intake or on the heater housing and connections.



These symbols indicate that this appliance is suitable for use in road and leisure accommodation vehicles **ONLY**, it is **NOT** suitable for static homes.



This symbol indicates that this appliance is **NOT** suitable for use on boats.

## 5. Instructions for Use - Whale Heat Control

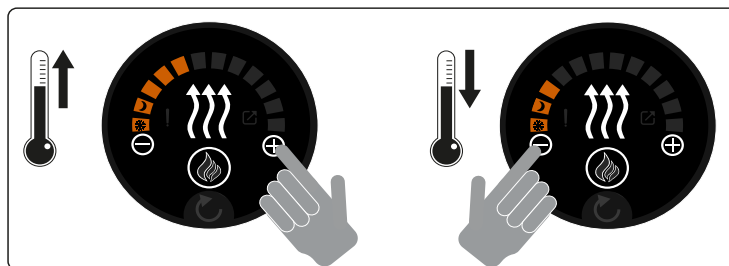


Figure 1. Whale Heat Control Panel

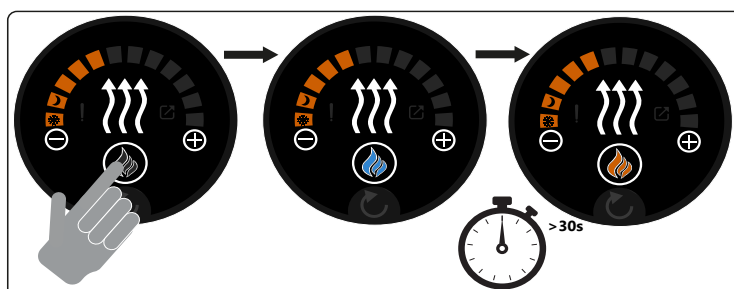
Icon	Description
	Gas heating button
	Gas heating standby indicator
	Gas heating on
	Frost protection mode (approx. 5°C)
	Night time mode (approx. 16°C)
	Increase temperature button
	Decrease temperature button
	Lockout indicator
	External control from alternative source available*
	External control from alternative source active*
	Reset button

\*Not available on all models. External control will allow control of the heater via an alternative source. Please refer to your vehicle handbook for more information.









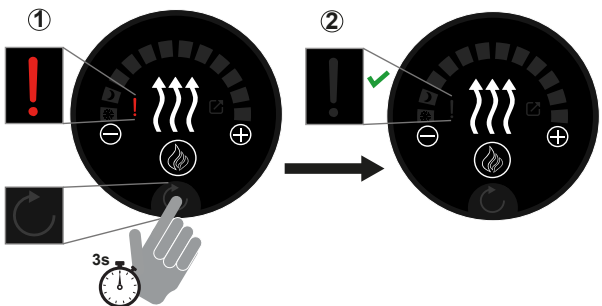
### 1. Select Temperature



### 2. Activate Gas Power



## 6. Troubleshooting - Whale Heat Control

Step 1 - Show Lockout	
	
Step 2 - Identify Lockout	Step 3 - Recommended Action
1	 <b>Inadequate gas supply</b> <ol style="list-style-type: none"> <li>1. Check gas</li> <li>2. 30mbar LPG</li> <li>3. Go to step 4</li> </ol>
2	 <b>Overheat</b> <ol style="list-style-type: none"> <li>1. Check air vents and ducts are not restricted</li> <li>2. Wait 10 mins for heater to cool down</li> <li>3. Go to step 4</li> </ol>
3	 <b>Inadequate supply voltage</b> 10.5 - 15.9V d.c. - Heater inoperable under 10.1V $\geq 10.5 / \leq 15.9V$ d.c. ✓ $< 10.5 / >15.9V$ d.c. ✗ Go to step 4
4	 <b>Flue blockage</b> <ol style="list-style-type: none"> <li>1. Check flues for blockages</li> <li>2. Go to step 4</li> </ol>
5	 <b>Internal fault</b> <ol style="list-style-type: none"> <li>1. Call Whale Support on +44 (0)345 9090 911. For Europe, please see enclosed Webasto-Service information</li> <li>2. Go to step 4</li> </ol>
6	 <b>Control Panel fault</b> <ol style="list-style-type: none"> <li>1. Power off</li> <li>2. Power on</li> </ol>
7	 <b>Multiple faults</b> <ol style="list-style-type: none"> <li>1. Power off</li> <li>2. Check heater for recurring faults</li> <li>3. Power on</li> <li>4. Go to step 4</li> </ol>
Step 4 - Clear Lockout	
	

If problems persist, contact Whale Support on +44 (0)345 9090 911. For Europe, please see enclosed Webasto-Service information.

## 7. Maintenance / Repairs

The vehicle owner **must** arrange for the appliance to be serviced at least every 2 years from date of purchase, including its gas supply and ducting for the products of combustion (BS EN 624).

All maintenance and repairs **must be** carried out by a registered gas engineer at a Whale® Approved Service Centre or by a member of the Whale Service Engineer Network.

For installation or service information, please contact Whale® Support:

Tel: +44 (0)345 9090 911

Email: info@whalepumps.com

For Europe, please see enclosed Webasto-Service information.

Guarantee claims, warranty claims and acceptance of liability will be ruled out in the event of the following:

- Modifications to the appliance (including accessories)
- Modifications to the exhaust duct or combustion intake
- Use of replacement and accessory parts other than original Whale parts
- Failure to follow the installation and operating instructions
- Use of the appliance for non-leisure purposes

The heat exchanger **must be** replaced with a Whale original spare part every 10 years from date of registration. See the data label on the heater for the first time it was put into service.

### Disposal

This product **must be** disposed of in accordance with the regulations of the respective country in which it is used. National regulations and laws **must be** observed.

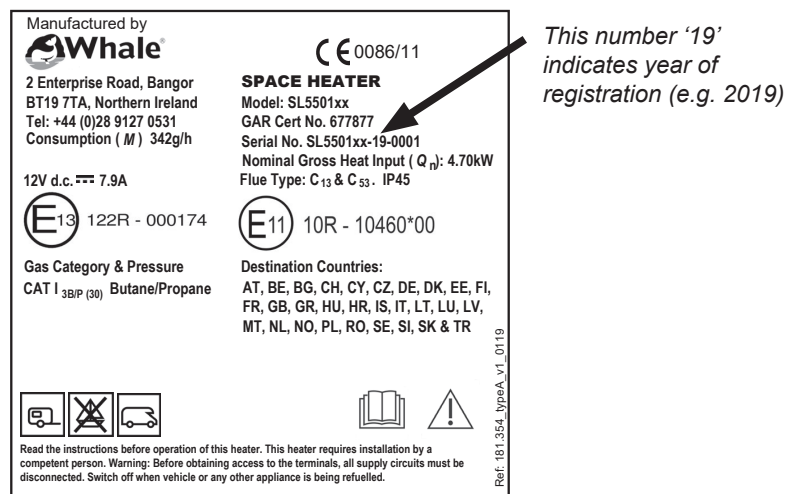







Figure 3. Heater Data Label Example

Please note: The appliance **must be** installed and serviced in accordance with any relevant regulations in the country where the appliance is installed.

		All Whale gas products must be installed and serviced by a Qualified Gas Engineer in accordance with the installation instructions and BS EN 1949-2011.
		All work must be carried out by a competent person as defined by BS7671 PART2.
	Please note if incorrectly installed a risk of electrocution exists.	

## EU Declaration of Conformity

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**Description of Equipment:** Space Heater

### **Manufacturer's Declaration**

We hereby declare, under our sole responsibility, that the above equipment complies with the provisions of the following EC Directives.

Gas Appliance Regulation 2016/426/EC on the approximation of the laws of the Member States relating to appliances burning gaseous fuels.

Low Voltage Directive 2014/35/EU on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits.

Electromagnetic Compatibility Directive 2014/30/EU, on the approximation of the laws of the Member States relating to automotive electromagnetic compatibility.

Automotive EMC Directive 2004/104/EC (latest amendment 2009/19/EC) as per ECE Regulation No. 10.05.

ECE Regulation No.122, Uniform technical prescriptions concerning the approval of vehicles of categories M; N and O with regard to their heating systems.

2000/53/EC End of Life Vehicle Directive.

CE mark first affixed: December 2018

Basis on which conformity is declared: The above equipment complies with the protection requirements of the EMC Directive and the principal elements of the safety objectives of the Low Voltage Directive.

### **Please contact Whale® if further details are required.**

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## Patents and Trademarks

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The Whale® Space Heater is protected by two pending patents.  
Whale® is a registered trademark of Munster Simms Engineering Ltd.

## Warranty

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This Whale product is covered by a 2 year warranty. Please see the enclosed document for details of our Statement of Limited Warranty. Caravan or Motorhome manufacturer's warranty terms may apply, please refer to manufacturer's handbook for details.

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Neither the accuracy nor completeness of the information contained in this or any product literature is guaranteed by the Company and may be subject to change at its sole discretion.







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