



HEAT AIR



Gas & Electric Space Heater

Recreational Vehicle warm-air heater operates using gas and/or electric

SL5512, SL7512, SL5502, SL7502

Operating Instructions with iVan Control Panel



Operating Instructions

Heat Air Pack Contains:

1 x Gas & Electric Space Heater

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1. Safety

A Safe Operating Environment

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.

- 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). Make sure 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).

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. Children of less than 3 years should be kept away unless continuously supervised (BS EN 60335-1).

Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance (BS EN 60335-1).

CAUTION: Some parts of this product can become very hot and cause burns.

Particular attention has to be given where children and vulnerable people are present (BS EN 60335-1).

2. Warnings (BS EN 624)








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.

3. Specification

Flue Type	Type C ₁₃ & C ₅₃ (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 _{3B/P (30)}
IP Rating	IP45

	Qn [kW] 	Qn [kW] 	M [g/hr] 	V [m ³ /hr] 	Fuse size [A] 	230 V ~ 50Hz [A]	[kg] 
SL5512XX	5.45	4.70	342	220	10	13	8.7
SL7512XX	6.75	6.00	436	220	10	13	8.7
SL5502XX	5.45	4.70	342	220	10	13	8.7
SL7502XX	6.75	6.00	436	220	10	13	8.7

4. Application (BS EN 624)

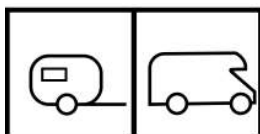
Operation while driving (BS EN 624) , (UN ECE R122)

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

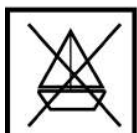
Directive UN ECE R 122 stipulates that a safety shut-off device is required if this appliance is operated while driving.

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 - iVan Control Panel



Figure 1. Whale iVan Control Panel Overview

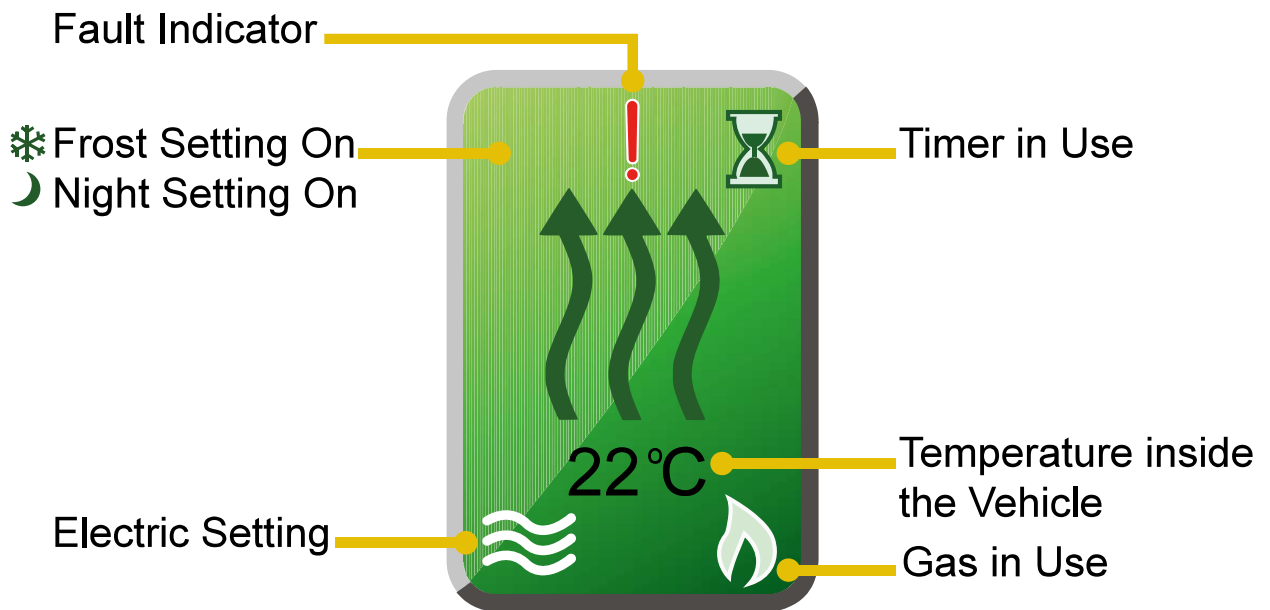


Figure 2. Space Heater Icon

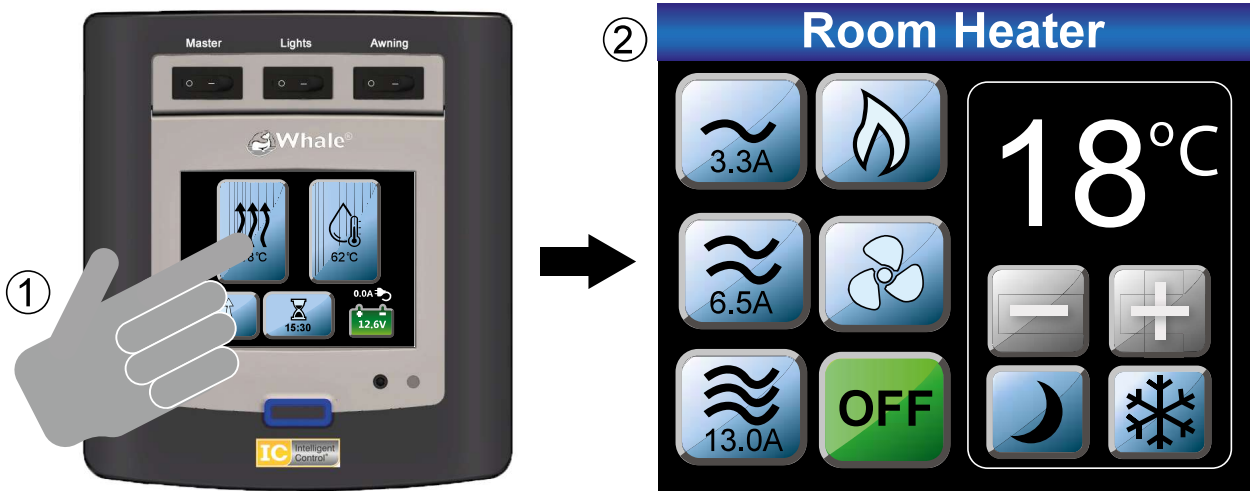
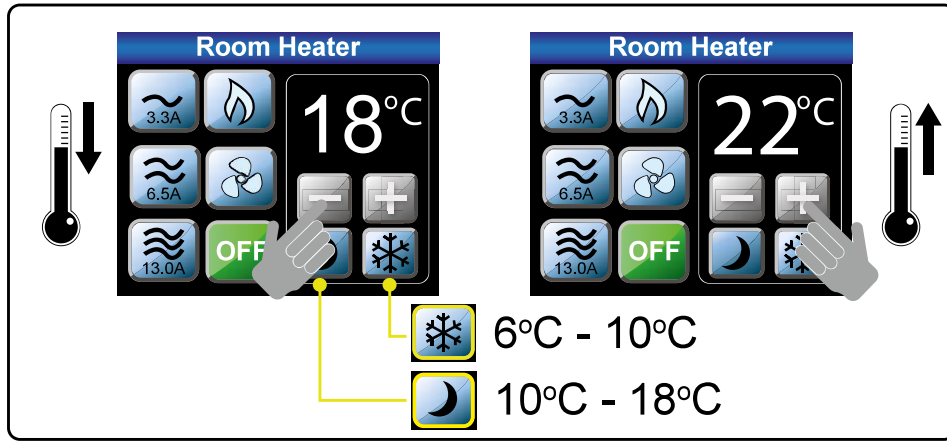


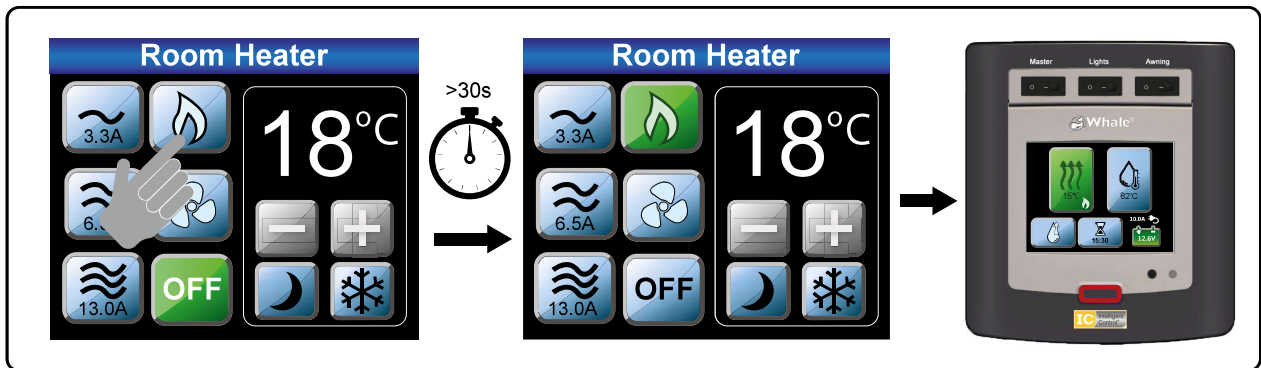
Figure 3. Room Heater Control Screen

Icon	Description	Icon	Description
	0.75kW Electric Off		0.75kW Electric On
	1.50kW Electric Off		1.50kW Electric On
	3.00kW Electric Off		3.00kW Electric On
	Gas Off		Gas On
	Fan Off		Fan On
	Off Button Active		Off Button Inactive
	Night Mode (10°C - 18°C) Off		Night Mode (10°C - 18°C) Active
	Night Mode Selected		
	Frost Protection Mode (6°C - 10°C) Off		Frost Protection Mode (6°C - 10°C) Active
	Frost Protection Mode Selected		
	Increase Temperature Button		
	Decrease Temperature Button		

1. Select Temperature

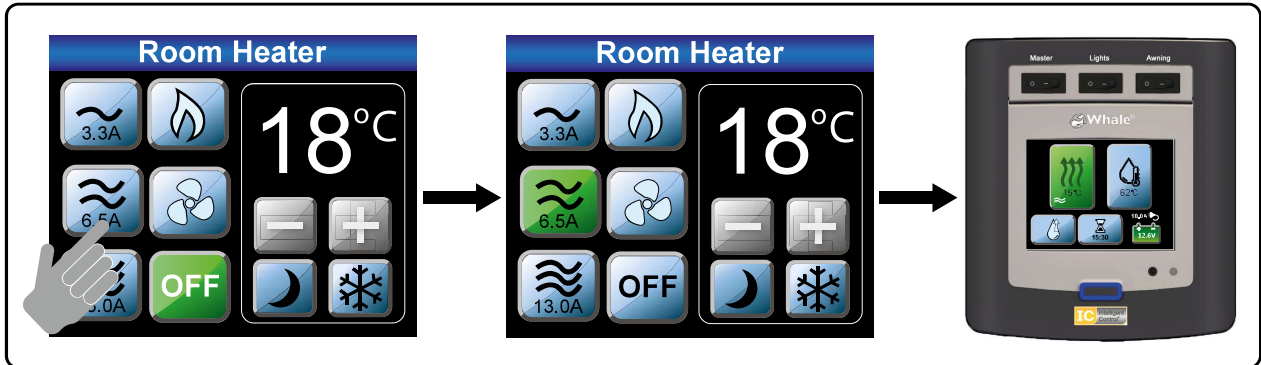


2. Activate Gas Power 🔥









And/Or

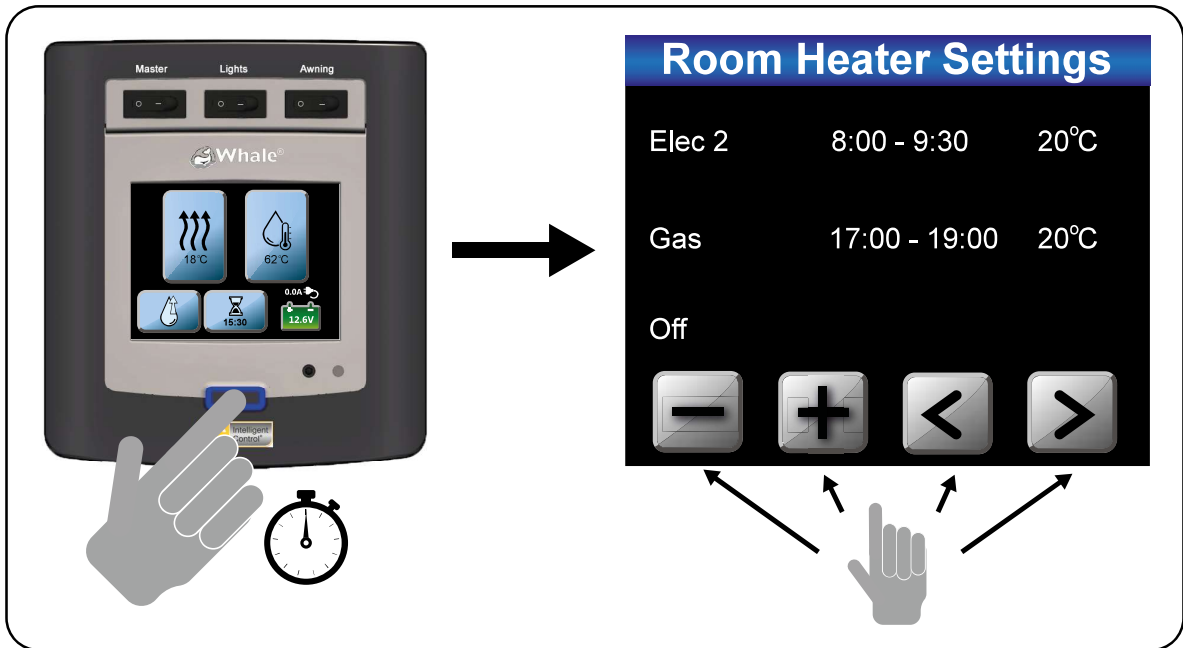
3. Activate Electric Setting ⚡



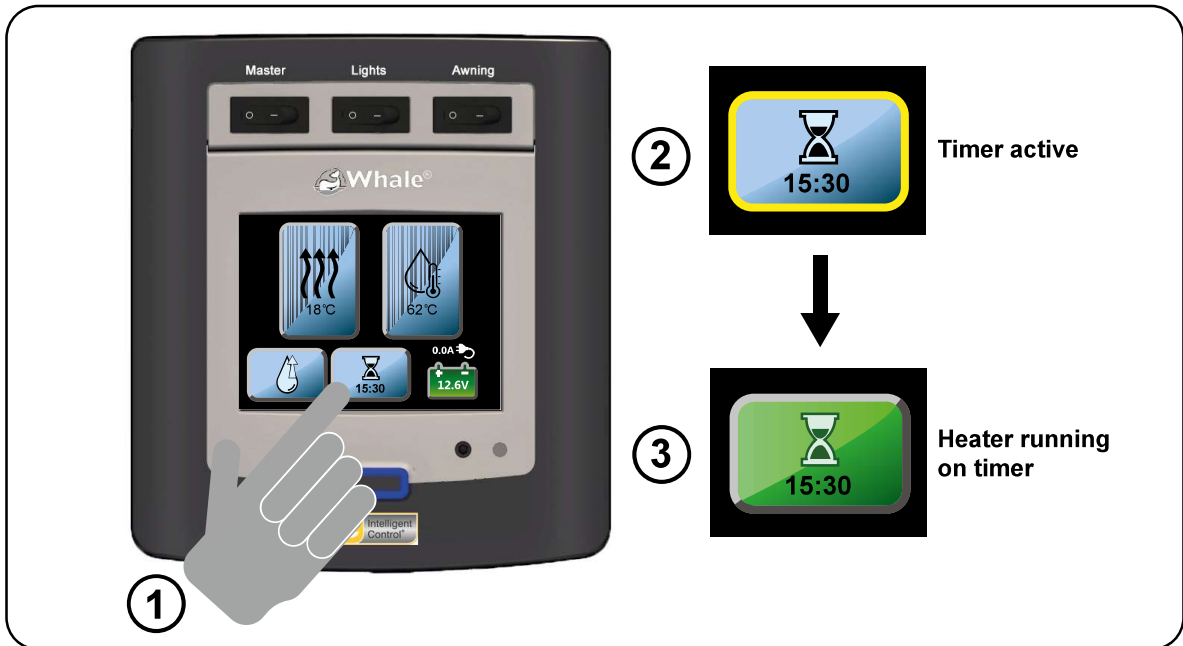
Usable Electric Settings

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

4. Setting Timers

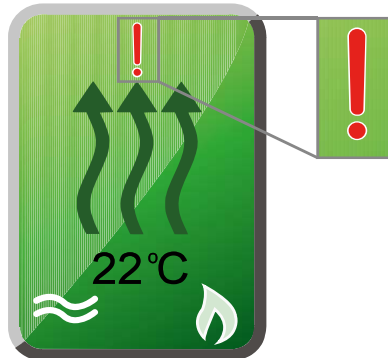


5. Activating Timers



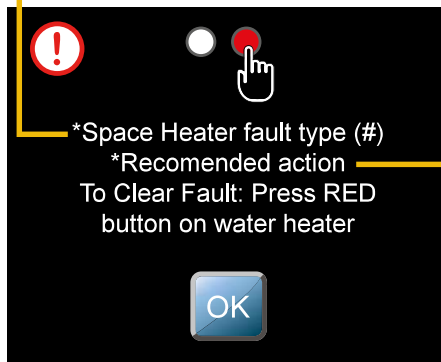
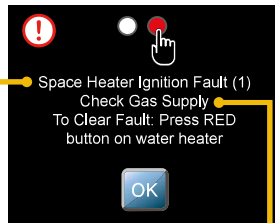
6. Troubleshooting - Whale iVan Control Panel

Step 1 - Space Heater Lockout



Step 2 - Identify Lockout

Example



Step 3 - Recommended Action

Fault type #1 - Inadequate gas supply

1. Check gas
2. 30mbar LPG
3. Go to step 4

Fault type #2 - Overheat

1. Check air vents and ducts are not restricted
2. Wait 10 mins for heater to cool down
3. Go to step 4

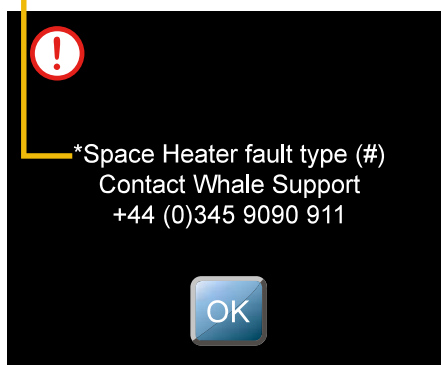
Fault type #3 - Inadequate supply voltage

- 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

Fault type #4 - Flue blockage

1. Check flues for blockages
2. Go to step 4

Example



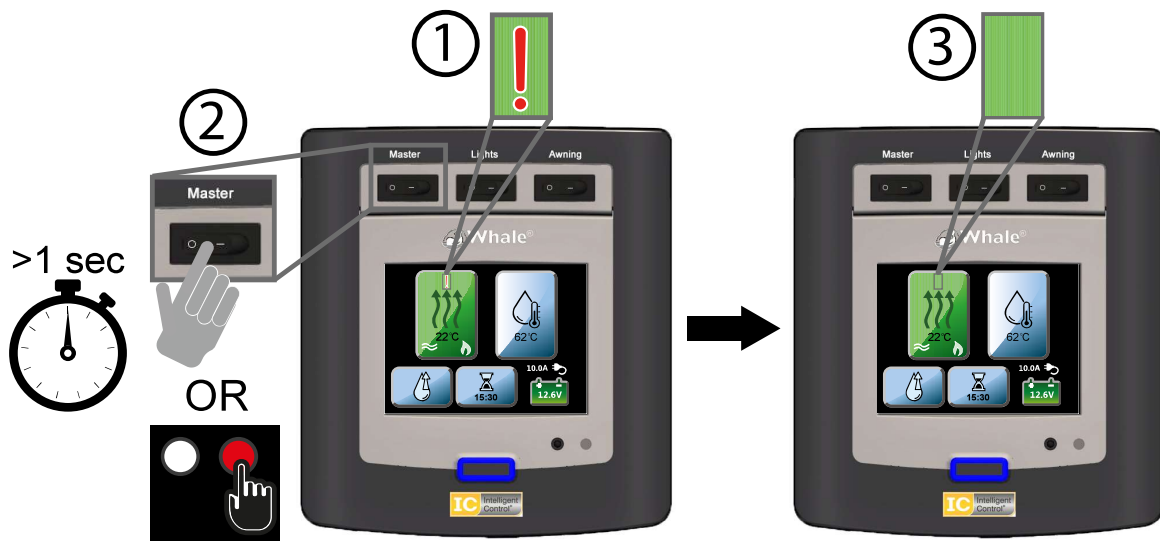
Fault types #5-11 Internal fault

1. Go to step 4
2. Call Whale support +44 (0)345 9090 911.

Fault type #15 - Multiple faults

1. Power off
2. Check heater for recurring faults
3. Power on
4. Go to step 4

Step 4 - Clear Lockout



If problems persist please contact Whale Support on +44 (0)345 9090 911.

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® Customer Support:

Tel: +44 (0)345 9090 911

Email: info@whalepumps.com

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 part
- 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.

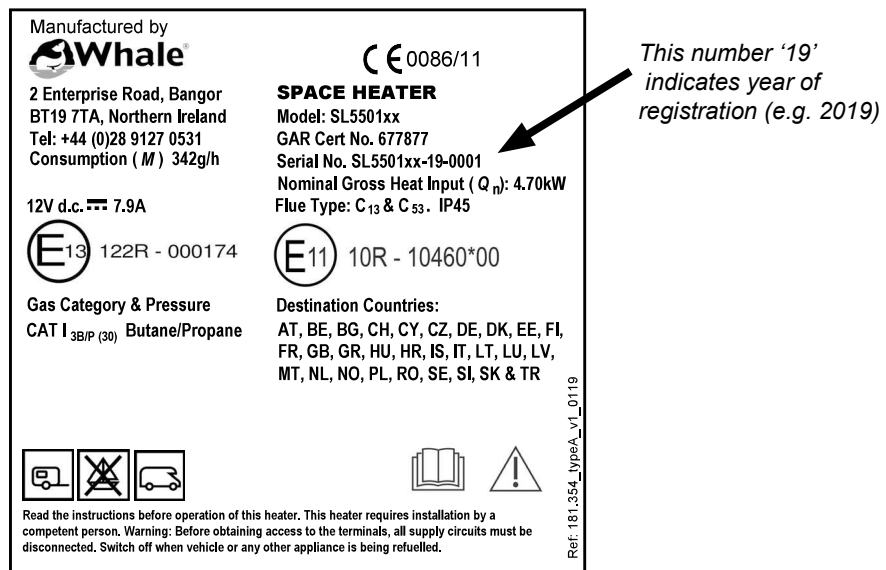







Figure 3. Heater Data Label Example

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

  All work must be carried out by a competent person as defined by BS7671 PART 2

 Please note that if incorrectly installed a risk of electrocution exists.

EU Declaration of Conformity

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

The Whale® Space Heater is protected by two pending patents.
Whale® and iVan® are registered trademarks of Munster Simms Engineering Ltd.

Warranty

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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