



Eberspächer

Belief



PORTABLE HEATER

BELIEF OR EBERSPÄCHER
USER MANUAL



YOUR DIESEL HEATER
SPECIALISTS

We sell, install and service
diesel appliances for caravans,
RVs, boats and off grid.

www.dieselheat.com.au

Congratulations on purchasing a Dieselheat portable diesel heater.

Your portable has been assembled in Tasmania using a high quality 304 stainless steel and aluminium case and is designed to give years of trouble free service in a rough environment.

Please read the following user manual to get the best out of your portable.

- The team at Dieselheat

WARNING: Your portable heater emits carbon monoxide so never use it in a confined space.



Heater Setup

- The heater should be on fairly level ground when operating.
- Do not operate the heater in confined or poorly ventilated spaces.
- Do not operate the portable sitting in long grass or with the exhaust directed to anything that can easily melt or combust.
- The exhaust pipe on the heater is approx. 250 degrees so do not allow small children to play around the heater when it is operating as touching it may result in burns.
- The portable is okay to be outside in rain, dew, snow, the occasional splashing etc. but is not designed for immersion, ocean waves etc. The most moisture vulnerable part of the portable is the controller - this needs to be kept dry.

Power Supply

The portable needs approx 8A at startup and will then drop down its power consumption to 1-2 Amps when operating. The portable has an anderson plug installed on the power cable and this needs to be connected to an anderson plug which is wired back to a 12V battery with 6mm 2 cables.

Fuel

The portable runs on pump grade diesel. Take care when refilling the portable to minimise spillage, and wipe off any spilt diesel immediately.

In very cold conditions where the temperature will be below zero for extended periods add 20% kerosene to the diesel to prevent the fuel gelling. Note the fuel in the portable is kept warm once it is operating so kerosene is only needed if the portable will be left outside in freezing conditions when it is not running.

If the portable runs out of fuel, it may require 1 to 2 re-starts before the fuel pump re-primed and it starts. If the portable fails to start and goes into error mode, disconnect the power and reconnect before attempting to re-start.

It is recommended to drain the tank for transportation in rough conditions for long term storage.





Ducting

We suggest high temperature TPR ducting (sold separately) be used as it is wire wound and able to withstand squashing and rough treatment.

Keep ducting lengths to a minimum to minimise heat loss. The maximum recommended ducting length is 4m - however, at this length quite a lot of heat will be lost.



Fasten the ducting to the outlet of the heater using a hose clamp and then place the outlet of the ducting inside the area to be heated via a zip/door or hot air vent.

Eberspacher Controller

Controller instructions for the Eberspacher D2 heater are provided separately with this booklet.


Belief Controller

Power Control Mode

To turn on in Power Control mode, press the  button. The red light will illuminate and the heater will start (takes 2-3 mins). Regulate the heat output manually by rotating the rotary knob. Turn off with the  button. In this mode, the heater runs continuously and will not cycle on and off.



Temperature Control Mode

To turn on in Temperature Control mode, press the  button and the heater will start (takes 2-3 mins). Because the Belief heater uses return air temperature to sense the air temperature, this mode does not work on a Belief Portable Heater.

Fan Mode

Fan mode turns on the fan with no heat.

Always plug in the controller before plugging in power to the heater. Ensure the controller is kept dry at all times.

Operation

All diesel air heaters need to be run at a high power setting for around 15 min every 5 to 6 hours to prevent carbon build up. If this is not done and the heater fails due to carbon build up this is not covered by warranty.

Generally we suggest running the heater on high for about 15min each time you turn it on as this is a convenient time to run it on high as it heats up your space.

Troubleshooting

SYMPTOM	CAUSES	SUGGESTED REMEDIES
Heater will not start	Low voltage	<ul style="list-style-type: none"> Check battery is charged and above 12.5V Check battery voltage is not dropping abnormally when heater tries to start (indicating weak battery). Check anderson plug supplying power to portable is connected directly to batteries with 6mm@ cable.
	Out of fuel	<ul style="list-style-type: none"> Fill and restart twice to prime pump.
	Locked Out (Belief: red LED flashing after 2 failed start attempts. Eberspacher: error code 52)	<ul style="list-style-type: none"> Disconnect and re-connect power.
Excessive smoke when running	Heater has been run at low power for excessive time	<ul style="list-style-type: none"> Run heater for 2 hours on full power. If smoking does not stop send for service.
	Contaminated fuel	<ul style="list-style-type: none"> Drain and replace fuel.
	Dust or obstruction in inlet or exhaust	<ul style="list-style-type: none"> Remove case and clean inlet, possible heater service may be required.
Stops when operating	Out of fuel	<ul style="list-style-type: none"> Fill and restart twice to prime pump.
	Battery voltage has dropped below minimum required.	<ul style="list-style-type: none"> Charge batteries.
Fan running with no heat	Wrong operating mode	<ul style="list-style-type: none"> Check controller instructions and turn on heat mode.
	Heater hasn't started yet	<ul style="list-style-type: none"> Wait for the heater to complete its full start cycle.

HEATER WARRANTY

Dieselheat offers a 2 year warranty on this product. Upon receipt of proof of purchase of a product, Dieselheat will, where possible, provide product support via telephone or email. If Dieselheat determines that the issue necessitates the return of the product for inspection and/or repair, it is your responsibility to uninstall the product and return the product at your cost to Dieselheat. Upon repair of the product, Dieselheat will return the product to you at its cost. It is your responsibility to reinstall the product.



At Dieselheat we care about our customers - if you have any concerns, questions or problems please contact us at sales@dieselheat.com.au or on **0418 130 971** and we will help you out.

