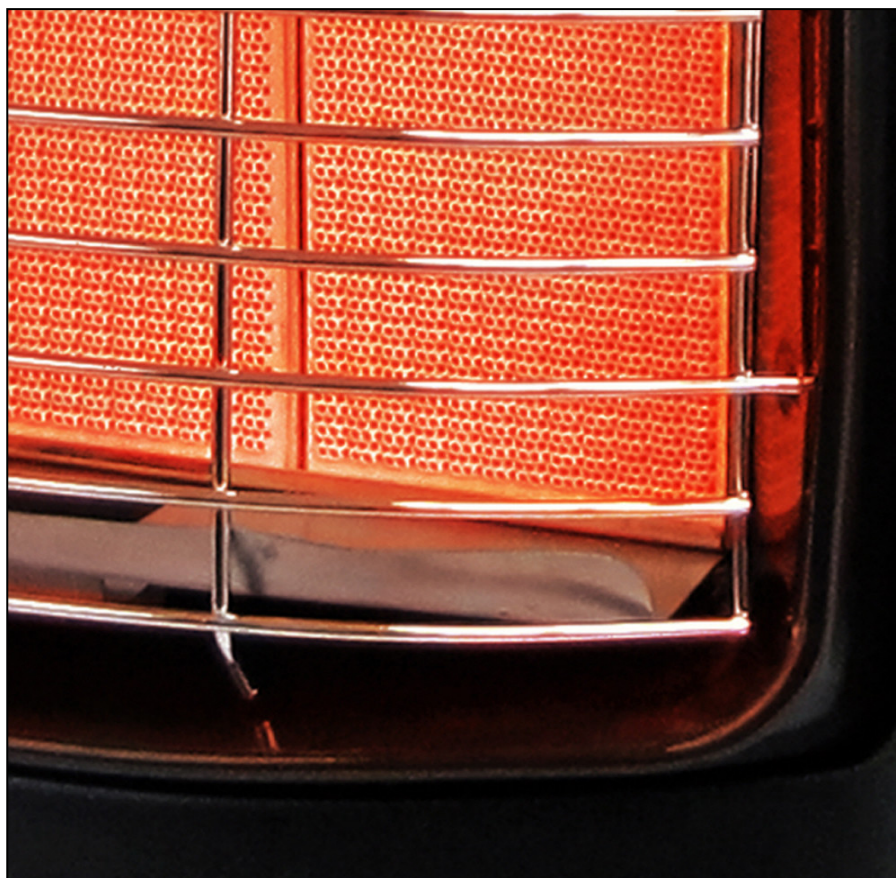




# ESSENTIALS MOBILE GAS HEATER

## ASSEMBLY AND OPERATION MANUAL

**GB**



**Read this manual carefully before assembling, using or servicing this heater.**

**This product is not suitable for primary heating purposes.**

Keep this manual for future reference

Manufactured in China for Central Gas Products Ltd

**TECHNICAL DATA** - Model no.: GW-ESS-CAB  
Gas Category : I3+(28-30)  
Type of Gas : Butane at (28-30) mbar  
Injector Size: 0.58mm  
Gas Consumption : 298 g/h  
Heat Input : 4.1kW  
Destination Country : United Kingdom



**PLEASE READ THE FOLLOWING SAFETY ADVICE PRIOR  
TO THE OPERATION OF THIS HEATER**

**If you smell gas:**

1. Switch off the gas regulator.
2. Extinguish any open flames.
3. Take the appliance outside into a flame-free environment to test for a gas leak.
4. If the smell continues, immediately call your gas supplier or your fire department.
5. Do not store or use flammable liquids in the vicinity of this heater.
6. Any gas cylinders not connected for use shall not be stored in the vicinity of this heater.



**For use in areas that have ample ventilation. Ventilation is  
crucial to reduce the dangers of carbon monoxide  
poisoning and from oxygen depletion. A lack of ventilation  
can cause Carbon Monoxide poisoning.**

**DANGER – CARBON MONOXIDE POISONING  
CAN KILL.**

Consideration must be given to the dangers of carbon monoxide poisoning in the case of incomplete combustion in an enclosed space. A fully working battery powered carbon monoxide alarm must be present in the vicinity of where this appliance will be used. Carbon monoxide is difficult to distinguish as it has no colour, smell or taste.

Symptoms of Carbon monoxide poisoning include: dizziness, nausea (feeling sick) and vomiting, tiredness and confusion, stomach pain, shortness of breath and difficulty breathing.

Provision of a carbon monoxide alarm should be considered a substitute for correct use of this appliance and regular servicing.



**Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.**

- This appliance must be installed and the gas cylinder stored in accordance with LPG storage regulations.
- Do not move the heater when in operation.
- Switch off the gas regulator before moving the heater.
- The rubber hose should be inspected and changed on a yearly basis.
- This heater is designed to be used with **BUTANE GAS ONLY**. Do not attempt to use this heater with propane gas.
- This appliance contains no user serviceable parts. If any part of the appliance is malfunctioning, only a qualified lpg engineer should carry out repairs. Improper repairs may place the user at risk of harm.
- Keep this appliance away from children.
- Use additional protection guards when used in environments with children and pets.
- Keep this appliance away from sharp edges that could cause damage.
- Keep this appliance away from other heat producing products.
- Keep this appliance at least 1 metre away from furniture, curtains and other flammable materials
- Ensure you position this heater so that it is facing towards the middle of a room.
- Ensure the heater is correctly turned off when not in use.
- DO NOT use this appliance until all connections have been leak tested.
- DO NOT use this appliance if the chrome safety guard is missing or damaged.
- DO NOT attempt to use a naked flame to ignite the heater.
- DO NOT use this appliance if your gas cylinder is nearing/almost empty.
- DO NOT cover this appliance or place any items on it whilst it is in use.
- DO NOT leave the appliance unattended when in use.
- DO NOT operate this appliance with wet hands.
- DO NOT immerse this appliance in water or any other liquid.
- DO NOT use this appliance for anything other than its intended use.
- DO NOT use this appliance outdoors.
- DO NOT attempt to move this product whilst in use.
- DO NOT touch this product during use as the surface will get very hot and could cause injury.
- DO NOT clean this appliance with abrasive chemicals or materials such as scourers as they may damage appliance and its functionalities.
- DO NOT use in high rise flats.
- DO NOT use in leisure vehicles such as boats, caravans or motorhomes.
- DO NOT use in wet or damp areas such as bathrooms.
- DO NOT use in basements or below ground level.

Keep this appliance clean and in a good working order. When not in use, store in a safe, dry, childproof location. After a period of storage, the heater should be examined by a qualified gas engineer, prior to use.



Do not touch any part of the front of the heater whilst it is in use or immediately after it is turned off. Please turn the appliance OFF via the regulator at the rear of the heater before moving, cleaning, storing or carrying out maintenance on this appliance.

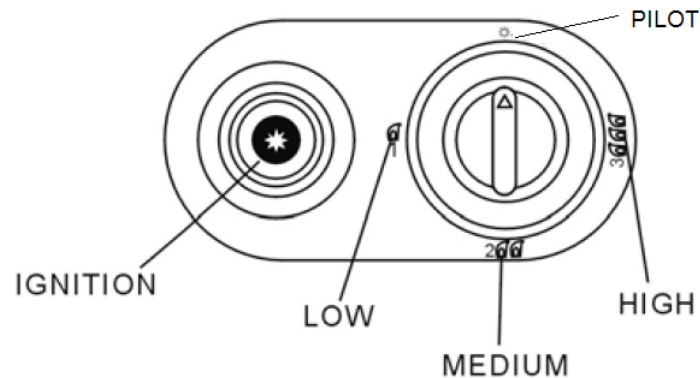
## INSTALLATION

Before removing this heater from the packaging, read this manual in full and make sure that it is what you want /need.

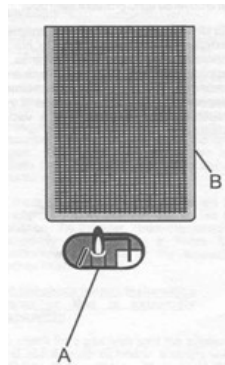
- 1) Remove the heater from the packaging.
- 2) Remove the rear baffle/panel.
- 3) Place the filled gas cylinder (13kg or 15kg butane) into the back of the heater with the gap in between the cylinder handles facing outwards.
- 4) Ensure the gas regulator is set at the **OFF** position (3 o'clock).
- 5) Connect the gas regulator to the cylinder valve.
- 6) **Test for Leaks** – this must be carried out in a well ventilated area, free from any open flame or other sources of ignition. With the regulator connected to the cylinder, turn the regulator **ON** (12 o'clock position) then brush all hose connections (connection to gas valve, regulator connection to bottled, and gas bottle valve) with a 50/50 solution of washing up liquid and water. Bubbles will indicate a leak is present. If a leak is found, turn off the valve on the regulator, disconnect the regulator and from gas bottle and move the bottle to a well ventilated outdoor area. **CONTACT YOUR GAS SUPPLIER OR HEATER RETAILER FOR ASSISTANCE. DO NOT ATTEMPT TO USE THE HEATER IF A LEAK IS FOUND.**
- 7) Once the leak testing is complete and no leaks are found, it may be necessary to twist the cylinder slightly to allow the regulator and hose to fit inside with heater body without kinking the hose.
- 8) Fit the rear baffle/panel back onto the heater.

# LIGHTING INSTRUCTIONS

## TO TURN THE HEATER ON



- 1) Push and hold the control knob down at the pilot position for 10 seconds. Whilst still holding the control knob down, press the ignition button several times until a pilot flame appears along with the centre ceramic plate being lit.



- 2) Once the pilot flame and centre ceramic plate have lit, continue to hold the control knob down for approximately 15-20 seconds. The pilot flame and centre ceramic plate should remain alight. If the pilot flame goes out, repeat step 1 and 2.
- 3) You can now select your desired heat setting of low, medium or high by pushing down the control knob slightly and turning anti-clockwise.

## TO TURN THE HEATER OFF

- 1) Turn the control knob to the pilot position.
- 2) Switch the regulator OFF (3 o'clock position).

**PLEASE NOTE THE HEATER CAN ONLY BE TURNED OFF BY SWITCHING OFF THE REGULATOR. IT CANNOT BE TURNED OFF BY THE CONTROL KNOB ON THE HEATER.**

# Changing the cylinder

- 1) Ensure the heater is turned completely off and has cooled down.
- 2) Remove the rear baffle/panel.
- 3) Ensure the regulator is at the OFF position ( 3 o'clock).
- 4) Press the square button underneath the regulator level to release the regulator.
- 5) Replace the empty cylinder with a new full cylinder.
- 6) Ensure the leak test procedure has been followed.
- 7) Refit the rear baffle/panel.

## Maintenance

There is very little maintenance required on this appliance. Points to note are:

- 1) Check that the regulator seal is undamaged when fitting a cylinder.
- 2) Always check that the hose is in good condition before use and that it is securely clamped to the appliance and to the regulator.
- 3) It is recommended that the hose be replaced every year whether it has been used or not. When replacing the hose always replace the hose clamps at the same time.
- 4) With the exception of the hose and regulator there are no user fitted parts available for this heater. Should the heater not function properly, have it inspected by a competent gas engineer.
- 5) It is advisable to have the heater checked by a gas dealer before using every winter.
- 6) When not in use for extended periods, disconnect the cylinder and store it outside away from buildings but covered up to keep it clean. Store the appliance in a dry place and covered up to protect it from dust.
- 7) To clean the appliance, wipe the enamelled exterior with a damp cloth. Do not use abrasive cleaners. Never immerse the appliance in water or use water to clean the radiant heater elements. If the elements appear dusty then clean them using a soft brush or very carefully with a vacuum cleaner.

# Troubleshooting

## The heater doesn't light

- Check the gas cylinder is full.
- Check the regulator is correctly attached.
- Check that the instructions have been followed correctly.

## The pilot lights but the ceramic plate doesn't

This can be due to

- 1) **Air in the cylinder or if the cylinder is overfilled** – contact your gas dealer to arrange a replacement cylinder.
- 2) **Cylinder can be excessively cold** – butane freezes at zero degrees so ensure the cylinder reaches room temperature before attempting to light the heater.

## The heater turns off by itself

This can be due to

- 1) Lack of oxygen/ventilation – this heater is fitted with an oxygen depletion sensor which cuts off the heater should the oxygen levels diminish. Open a door or window to ventilate the area and reignite.
- 2) Low gas level – if the heater is used in a well ventilated area and goes off after a period of time, check the gas cylinder level.

## Information requirements for gaseous/ liquid fuel local space heaters

Model identifier(s): GW-ESS-CAB								
Indirect heating functionality: [no]								
Direct heat output: 4.1 (kW)								
Indirect heat output: N/A (kW)								
<b>Fuel</b>				Space heating emissions (*)				
				NOx				
Select fuel type		[gaseous]		[specify]	33 [mg/ kWh <sub>input</sub> ] (GCV)			
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
<b>Heat output</b>					<b>Useful efficiency (NCV)</b>			
Nominal heat output	P <sub>nom</sub>	4.1	kW		Useful efficiency at nominal heat output	η <sub>th,nom</sub>	100	%
Minimum heat output (indicative)	P <sub>min</sub>	N/A	kW		Useful efficiency at minimum heat output (indicative)	η <sub>th,min</sub>	N/A	%
<b>Auxiliary electricity consumption</b>					<b>Type of heat output/room temperature control (select one)</b>			
At nominal heat output	e <sub>l,max</sub>	N/A	kW		Single stage heat output, no room temperature control			[no]
At minimum heat output	e <sub>l,min</sub>	N/A	kW		two or more manual stages, no room temperature control			[yes]
In standby mode	e <sub>l,SB</sub>	N/A	kW		with mechanic thermostat room temperature control			[no]
					with electronic room temperature control			[no]
					with electronic room temperature control plus day timer			[no]
					with electronic room temperature control plus week timer			[no]
					<b>Other control options (multiple selections possible)</b>			
					room temperature control, with			[no]



						presence detection			
						Room temperature control, with open window detection		[no]	
						with distance control option		[no]	
						with adaptive start control		[no]	
						with working time limitation		[no]	
						with black bulb sensor		[no]	
Permanent pilot flame power requirement									
Pilot flame power requirement (if applicable)	P <sub>pilot</sub>	0.20	kW						
Contact details	CENTRAL GAS PRODUCTS LTD								
(*) NOx = nitrogen oxides									

This product is not suitable for primary heating purposes.

The energy efficiency class: Class A

The direct heat output: 4.1kW

The energy efficiency index: EEI=89%,

Please refer to the instruction manual for the assembly, installation, maintenance, disassembly, recycling and/ or disposal at end-of-life.

**glowwarm** gas heater is in conformity with following EC directive and Regulations

- Gas appliance regulation (EU) 2016/426 (GAR)
- Commission Delegated Regulation (EU) 2015/1186 and 2015/1188

And that the following harmonised standards have been applied:

- EN449:2002 + A1:2007
- This lot of product, is in conformity with EU 2015 /1186 and 2015/1188 directive and regulations.