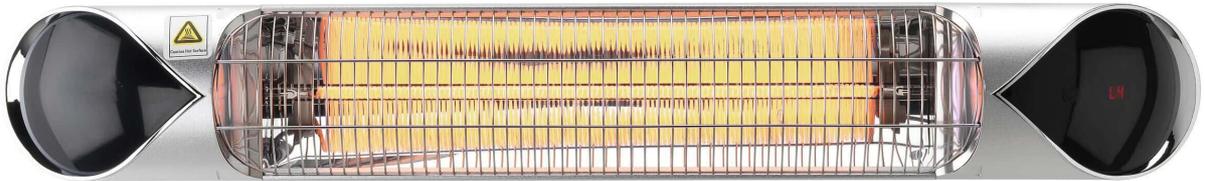
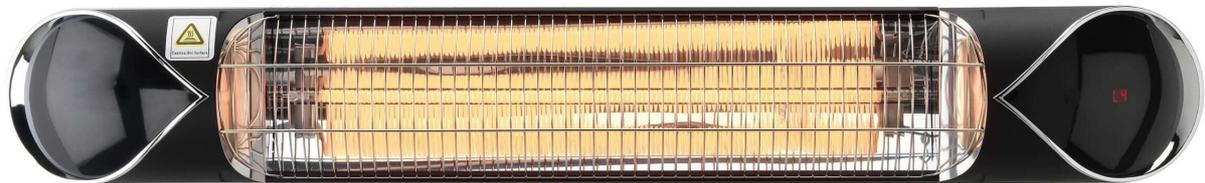


BlackRidge Star Infrared Heater



ASSEMBLY & OPERATION INSTRUCTIONS

Warning

THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE.

We cannot be liable for any damages caused by failure to observe these instructions.

IMPORTANT SAFETY INSTRUCTIONS

READ CAREFULLY - This infrared heater is designed for safe operation. Nevertheless, installation, maintenance and operation of the heater can be dangerous if done incorrectly. Observing the following procedures will reduce the risk of fire, electric shock, and personal injury; as well as keeping installation time to a minimum, so retain these instructions for future reference.

1. Read all instructions before using this heater.
2. Remove the unit from its packaging and check to make sure it's in good condition before using.
3. Do not let children play with any parts of the package (such as plastic bags).
4. Check the household voltage to ensure it matches the heater's rated specification.
5. Check the power cord and plug carefully before use, to make sure that they are not damaged.
6. Before unplugging the power cord, be sure to turn off the power. Always ensure that your hands are dry when operating the unit to prevent electric shock.
7. Do not use the heater near or point towards flammable objects and keep all objects such as furniture, pillows, bedding, paper and clothes at least 3 feet/1 metre away from the front of the heater. Curtains should be kept to the rear or sides of the heater.
8. Do not use near or in the immediate vicinity of a bath, pool, hot tub or any source of liquid.
9. To protect against electric shock, do not immerse cord or plug in water or any other liquid.
10. Do not insert or allow foreign objects to enter any ventilation or exhaust opening, as this may cause an electric shock, fire or damage to the heater.
11. Always unplug the heater when not in use.
12. Do not allow cord to overhang in any location where it can be easily pulled by children.
13. Do not put fingers or foreign objects into the grill while in operation.
14. Do not leave the appliance unattended when in use.
15. This heater is not intended for use in bathrooms, laundry rooms and similar indoor locations, and never install the heater where it may fall into any kind of water container.
16. No liability can be accepted for any damage caused by non-compliance with these instructions or any other improper use or mishandling.
17. This appliance is not intended for use by children or any vulnerable persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they are supervised or given instructions concerning the use of the appliance by a person responsible for

their safety. Children and vulnerable people should be supervised at all time to ensure they do not play with the appliance. **It is not a toy.**

18. If the supply cord is damaged in any way, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.

19. To prevent overheating of this appliance, keep the air inlets and outlets clean and free of anything that may cause blockage. Check all inlets and outlets from time to time to ensure it is clear of any dirt or dust accumulation. **DO NOT COVER.**

20. Parts of the heater may exceed 200°C so any contact with the heating tube, reflector, or metal parts near the heating tube **may cause severe BURNS.** Do not let bare skin come into contact with the hot surfaces of the heater.

21. NEVER place hands under the heating elements. ALWAYS allow heating element to cool at least 10 minutes before touching the heating tube or adjacent parts.

22. This product contains recyclable materials. Do not dispose this product with regular household waste. Please contact your local authority for the nearest disposal point.

INTRODUCTION

The BlackRidge STAR carbon infrared heaters produce instant and comfortable heat like the sun.

Infrared heaters are changing the way that we keep warm. Stylish effective solutions are becoming more affordable with typical savings of 30 – 40% when compared to traditional electric heaters.

These robust and weatherproof heaters are designed for domestic and commercial heating applications within indoor and outdoor areas.

They are perfect for garages, patios, workshops and as temporary heating for contractors or outdoor functions and events.

Model	BLACKRIDGE STAR
Voltage(V)	220-240V AC
Wattage(W)	2000
Hertz(Hz)	50-60
Dimensions W×H×D(mm)	900×130×89.5
Weight(KG)	2.9

INSTALLATION

This product has 2 installation options: wall/ceiling mounted or free-standing.

Wall/Ceiling Installation

Tools Needed:

- Pencil,
- Hammer
- Spirit Level
- Screwdriver
- Power drill and drill bits

A wall mounting bracket is provided with the heater which has been specifically designed to allow this product to be fitted to a wall or ceiling. Before drilling the holders for the wall/ceiling mount, please ensure that the surface is solid and that there are no hidden gas/water pipes or electric cables. The heater must be installed no less than 50cm from side walls and no less than 180cm from the floor.

Important: Ensure that the supply cable is secured in such a way that it does not come into contact with reflector of the heater or that does not trail into heating area. The cable can be fixed to the metal mounting bracket behind heater with plastic zip ties.

1. This heater should be installed by a competent person, i.e. a qualified electrician.
2. Always disconnected the heater from the electricity supply and allow it to cool before installation.
3. This heater can be mounted horizontally or vertically. Make sure it is level.
4. For both wall and ceiling mounting, the lowest part of the heater must be located at or above a minimum height of 1.8m from ground level, so that the heater cannot be touched when in operation.
5. When mounting horizontally or to a ceiling, do not position the heater at an angle more than 90° and less than 44° as shown in Fig. A and B.
6. The supply cable must be at the lower end of the heater if the heater is installed at an angle or vertically.
7. Keep the supply cord away from the body of the heater which will get hot during use.
8. Do not install the heater on an inflammable surface.
9. Observe the minimum safe distance between the heater body and the inflammable surfaces when mounted.
10. The heater should always have a minimum clearance of 50cm from a ceiling or adjacent walls.
11. If the heater is to be used outside, a weatherproof outlet is highly recommended.
12. Before drilling ensure that there are no wires or pipes in the area where the heater is to be installed.
13. The heater must be installed using the mounting brackets provided.
14. Fasten the brackets securely to the mounting surface and the back of the heater using the nuts and bolts supplied.
15. Fasten the heater securely on the brackets using the supplied components.
16. The brackets can be used to adjust the direction of the heater. Make the adjustment by loosening the two bolts on the mounting bracket, then tighten the bolts again when the desired angle is achieved.

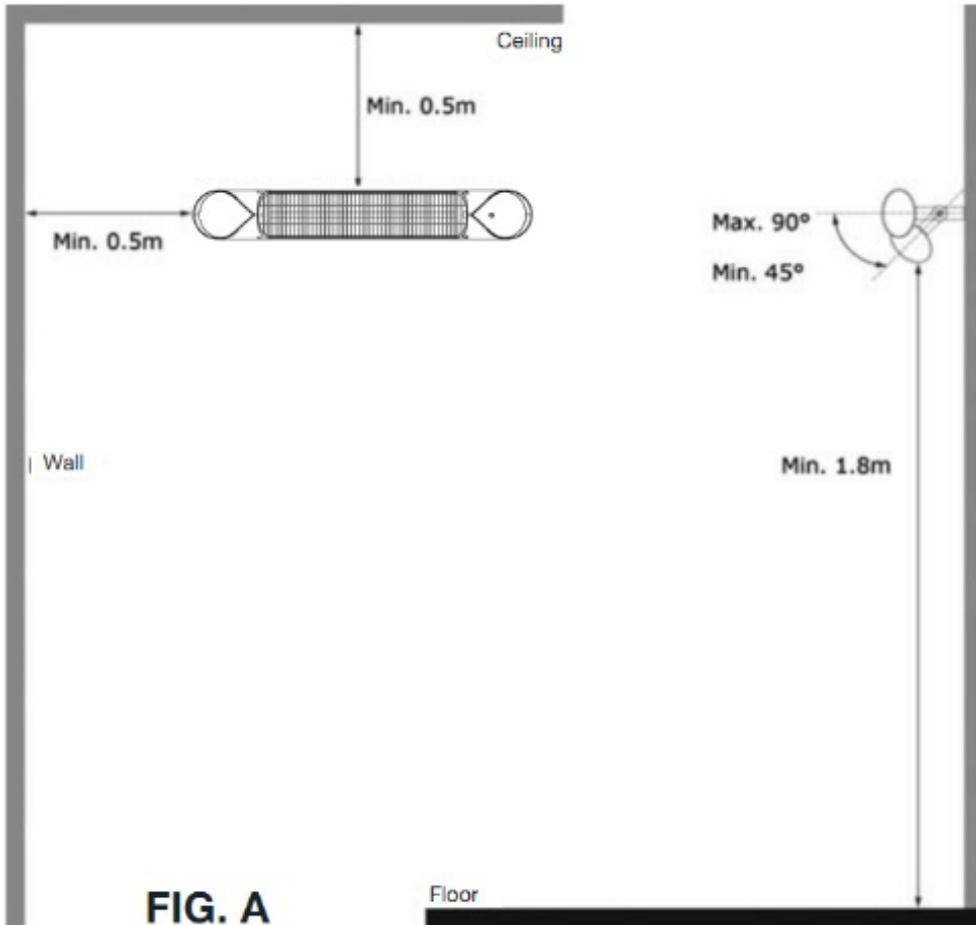


FIG. A

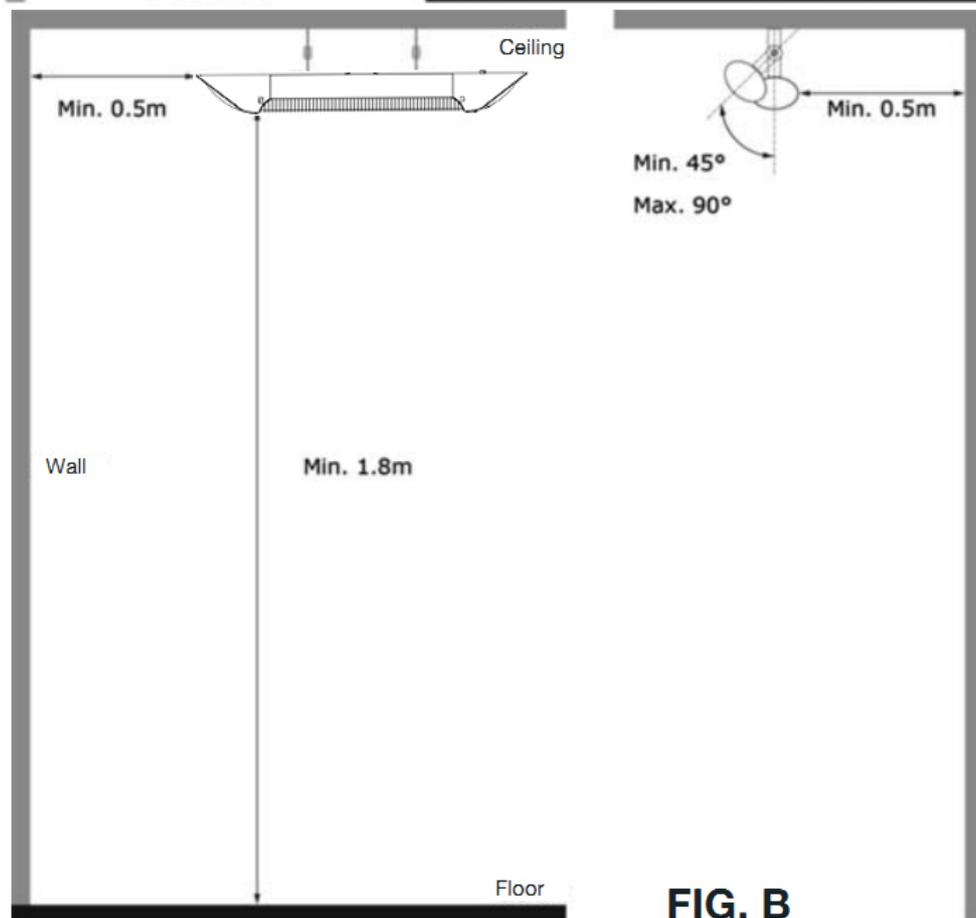
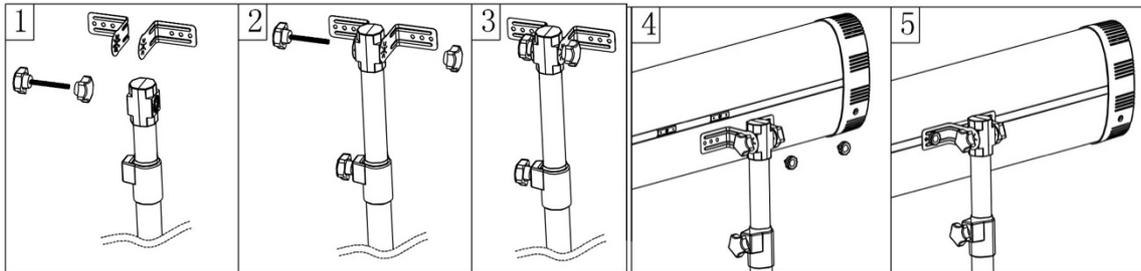


FIG. B

Free-Standing Installation

Once you have purchased an approved stand, which has the required components to attach your heater, follow the instructions in the diagram below.



Please note: This heater has a built-in safety tilt switch. If the heater exceeds a tilt of over 45° it will cut out and automatically stop working.

Remote Control Instructions



Remote Control Functions & Heater LED Response			
Button	Function [Heater Power ON]	Function [Heater Power OFF]	Heater LED Display
1	Turn Heater OFF		
2	Mode dependant decrease for level, temperature & sleep time	Turn Heater ON Level 1 [min]	L1 Changing up to L4
3	Mode dependant increase for level, temperature & sleep time	Turn Heater ON Level 4 [max]	L4 Changing Down to L1
4	Enable level setting mode [default start to last level used]		L value
5	Sleep timer in hours T0[off] – T9[max]		T value

1. **POWER BUTTON:** Turns the heater on and off.
2. **UP BUTTON:** Increases the temperature and timer level.
3. **DOWN BUTTON:** Decreases the temperature and timer level.
4. **LEVEL BUTTON:** Use to select one of the 4 heat levels. Press the Level button then use the Up and Down buttons to increase or decrease the heating level (L1 – L4).
5. **TIMER BUTTON:** Use to select the number of hours that you want the heater to operate. Press the Timer and T0 will be seen on the display which is on the right side of the heater. Then use the Up and Down buttons to set the number of operating hours (T0 [off] – T9 [max]).

Please note: All BlackRidge STAR heaters and their remote controls have the same frequency, so multiple heaters can be controlled with just one remote.

On the right side of the heater is a digital display, as well as a push button for basic manual operation without the remote.

Battery Installation and Care

The remote control requires 2 AAA Alkaline batteries for operation

1. Flip over your remote control and slide out the battery cover. Insert the batteries in accordance with the polarity instructions.
2. Replace the old batteries with the same type, otherwise the remote control may not function.
3. Should the heater be out of use for long periods, remove the batteries to prevent corrosion and leakage. Failure to do so may impair your remote control.
4. Do not allow water or liquid to get into the remote control.

Caution:

The heater should be switched off and unplugged from the electricity source if:

- Your intention is to not use the heater for a prolonged period.
- You need to change the location of the heater.
- You need to carry out cleaning and/or maintenance.

Regular inspection is recommended and removal of any dirt, dust or any other contaminants will ensure that the heater can be operated safely.

Troubleshooting

1. Check if the power cord is plugged into an electrical outlet, if not, plug it in.
2. Check if electricity to the main fuse is working.
3. Check if the outdoor socket has tripped.
4. Check to see if the appliance is switched to the ON position.
5. Check the thermostat setting. The heater may have switched itself off because it has reached the desired temperature setting.

CLEANING & MAINTENANCE

Regular, careful cleaning and suitable storage helps your infrared heater operate efficiently for many trouble free years. To clean your heater, please follow the steps below:

1. Unplug the power cord for your safety before cleaning your appliance.
2. Make sure the heater is cool before continuing.
3. To keep the heater clean, the outer shell may be cleaned with a soft, damp cloth. You may use a mild detergent if necessary. After cleaning, dry the unit with a soft cloth. (CAUTION: DO NOT let liquids enter the heater).
4. DO NOT use alcohol, gasoline, abrasive powders, furniture polish or rough brushes to clean the heater. This may cause damage or deterioration to the surface of the heater.
5. DO NOT immerse the heater in water
6. Wait until the heater is completely dry before use.

STORAGE

If you use your heater on a free-standing basis, store it in a cool, dry location when not in use to prevent dust and dirt build up. Retain the original packaging for storage.

If your heater is permanently installed outdoors, during extended periods of non-use you may wish to uninstall it and store it in a cool, dry location to prevent dust and dirt build up.

ATTENTION:

1. Always disconnect the heater from the electricity supply and allow it to cool before moving, maintaining or cleaning it.
2. If the heater has collected dust or dirt inside the unit or around the heating element, have to unit cleaned by a qualified service agent. Do not operate the heater in this condition.
3. The only maintenance required is cleaning the external surfaces of the heater and a visible check for any damage.
4. Do not touch the heating element with bare fingers, as residue from your hand could affect the life of the lamp. If it is accidentally touched, remove the finger marks with a soft cloth moistened with mentholated spirit or alcohol.
5. Do not attempt to repair or adjust any electrical or mechanical functions on this heater.
6. The heater contains no user serviceable parts. Should the product suffer damage or breakdown, it must be returned to the manufacturer or its service agent.
7. Damaged supply cords must be replaced by the manufacturer, service agent or similarly qualified person in order to avoid a hazard.

RECYCLING

At the end of the electrical products useful life it **should not** be disposed of with household waste. Please recycle where appropriate facilities exist, and check with your Local Authority if necessary.

InfraredUK Ltd.
Unit 3A Rossett Business Village
Rossett
Wrexham
LL12 0AY
United Kingdom

www.infraredUK.com

For support & service please email support@infraredUK.com