

Bediffer Bediffer2an6qk9fu

Bediffer 12V 600W-800W Car Interior Heater

Model: Bediffer2an6qk9fu

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** This unit operates on a 12V DC power supply. Ensure all connections are made to a suitable 12V vehicle electrical system.
- **Proper Fusing:** A dedicated fuse of at least 40A is required for this heater. Do not connect directly to a cigarette lighter socket, as it cannot handle the required amperage and may cause damage or fire.
- **Wiring:** Use appropriate gauge wiring (e.g., 8-gauge or thicker for longer runs) capable of handling 40-50 Amps to prevent overheating and voltage drop. It is highly recommended to have this unit installed by a qualified automotive technician.
- **Placement:** Mount the heater in a stable location where it will not obstruct the driver's view, vehicle controls, or interfere with airbag deployment. Ensure adequate clearance around the unit for proper airflow.
- **Flammable Materials:** Keep the heater away from flammable materials such as upholstery, carpets, and plastics.
- **Ventilation:** Do not block the air inlets or outlets of the heater. Restricted airflow can lead to overheating and reduced performance.
- **Damage:** Do not operate the heater if it appears damaged or is not functioning correctly. Disconnect power immediately and seek professional inspection.
- **Children and Pets:** Keep children and pets away from the heater during operation, as surfaces can become hot.

PRODUCT OVERVIEW

The Bediffer 12V 600W-800W Car Interior Heater is designed to provide supplemental heating, defrosting, and defogging for vehicle interiors. It features a dual-gear switch for power adjustment and three air outlets for efficient heat distribution.

Components

- Main Heater Unit
- Power Connection Terminals (Red for positive, Black for negative)
- Dual-Gear Power Switches
- Three Air Outlets
- Mounting Brackets (integrated)
- Flexible Air Ducts (may be included, refer to packaging)
- Hose Clamps (may be included, refer to packaging)



Figure 1: Bediffer 12V Car Heater unit with included accessories like flexible air ducts and battery clamps.



Figure 2: Front view of the heater, highlighting the three adjustable air outlets for heat distribution.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of this heater. If you are unsure about any steps, consult a professional automotive technician.

1. Step 1: Choose Mounting Location

Select a stable, flat surface within the vehicle interior for mounting. Ensure the heater does not obstruct driver visibility, vehicle controls, or interfere with safety systems. The unit should be positioned to allow for effective heat distribution and access to controls.

2. Step 2: Secure the Unit

Use appropriate fasteners (not typically included) to securely attach the heater unit to the chosen surface via its integrated mounting brackets. Ensure the unit is firmly fixed and will not move during vehicle operation.

3. Step 3: Electrical Connection

WARNING: Improper wiring can lead to fire, damage to the vehicle's electrical system, or personal injury. Professional installation is strongly recommended.

- Identify the positive (+) and negative (-) terminals on your vehicle's 12V battery or a suitable, fused power distribution point.
- Connect the RED wire from the heater to the positive (+) terminal.
- Connect the BLACK wire from the heater to the negative (-) terminal.
- **IMPORTANT:** This heater requires a dedicated fuse of at least 40A. Ensure your wiring is capable of handling 40-50 Amps (e.g., 8-gauge wire or thicker for longer runs) to prevent overheating and potential fire hazards. Do not connect directly to a cigarette lighter socket as it cannot handle the required amperage.
- Ensure all connections are tight and insulated to prevent short circuits.

4. Step 4: Connect Air Ducts (Optional)

If using the included flexible air ducts, attach them securely to the heater's three outlets. Direct the ducts towards areas requiring heating, defrosting, or defogging. Secure the ducts with the provided hose clamps.



Figure 3: Side view illustrating the power connection terminals (red for positive, black for negative) and the dual power switches.

OPERATING INSTRUCTIONS

Once properly installed, operating the Bediffer car heater is straightforward.

1. Step 1: Ensure Proper Connection

Before each use, verify that the heater is securely mounted and correctly wired to a fused 12V power source.

2. Step 2: Power On

Locate the two red rocker switches on the top of the heater unit.

3. Step 3: Select Heat Level

- Flip one switch to the 'ON' position for lower heat output (approximately 600W).
- Flip both switches to the 'ON' position for higher heat output (approximately 800W).

4. Step 4: Adjust Airflow Direction

Manually adjust the direction of the air outlets to target specific areas for heating, defrosting, or defogging.

5. Step 5: Power Off

When supplemental heating is no longer required, flip both switches to the 'OFF' position to completely power down the unit.



Figure 4: Top view of the heater, showing the two red switches used to control power and heat output levels.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heater.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, dry cloth. Ensure the air inlets and outlets are free from dust, lint, and debris to maintain optimal airflow and prevent overheating. Do not use abrasive cleaners, solvents, or immerse the unit in water.
- **Inspection:** Regularly inspect the power wiring for any signs of wear, fraying, damage, or loose connections. Address any issues immediately to prevent electrical hazards.
- **Storage:** If the heater is not in use for an extended period, disconnect it from the vehicle's power source and store it in a dry, cool place, away from direct sunlight and moisture.

TROUBLESHOOTING

If you encounter issues with your Bediffer car heater, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Heater does not turn on.	No power to the unit, blown fuse, loose wiring connection, faulty switch.	Check vehicle's 12V power source. Inspect the dedicated fuse and replace if blown (use correct 40A fuse). Verify all wiring connections are secure. Test switches for functionality.
Low heat output or insufficient airflow.	Only one switch engaged, insufficient power (voltage drop due to thin wires or long runs), blocked air inlets/outlets.	Ensure both switches are 'ON' for maximum heat. Check wiring for proper gauge and secure connections to minimize voltage drop. Clear any obstructions from air vents.
Overheating, burning smell, or smoke.	Blocked airflow, improper wiring (undersized wire, no fuse, loose connections), internal fault.	Immediately turn off and disconnect the heater from the power source. Check for blocked air vents. Inspect wiring for damage or incorrect gauge. Ensure a proper fuse is installed. Do not operate until the cause is identified and corrected. Seek professional assistance if unsure.
Unit makes unusual noise.	Loose components, fan obstruction, internal motor issue.	Turn off the unit and inspect for any visible obstructions in the fan area. If the noise persists, discontinue use and seek professional inspection.

SPECIFICATIONS

Brand: Bediffer

Model: Bediffer2an6qk9fu

Voltage: 12 Volts DC

Wattage: 600W - 800W (Dual Gear)

Amperage: Approximately 50 Amps (at 12V, 600W-800W)

Heat Output Temperature: 80-100 Degrees Celsius (at air outlet)

Number of Air Outlets: 3

Material: Iron

Item Weight: Approximately 2.09 pounds (0.95 kg)

Special Feature: Fast Heating, Frost Removing, Defogging

Recommended Use: Car Interior Heating, Defrosting, Defogging

WARRANTY AND SUPPORT

For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your retailer directly. Keep your proof of purchase for any warranty claims.

For technical support or inquiries not covered in this manual, please contact Bediffer customer service through the retailer's platform or the official brand channels.