

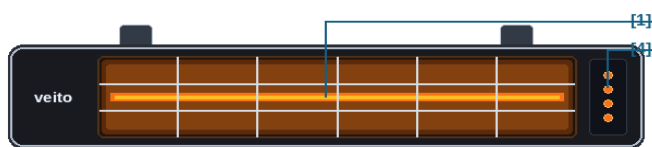


Veito® Aero 2500W Black

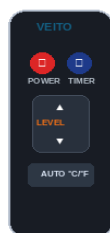
INDOOR & OUTDOOR CARBON INFRARED HEATING SYSTEM

High-Output Carbon Fiber Element • 4 Power Settings • Wireless Remote Control • IP44 Weatherproof

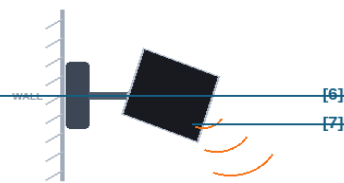
MODEL: AERO 2500W • 2500W MAX • WALL / CEILING MOUNT • SKU: AERO2500



VEITO AERO 2500W INFRARED HEATER



WIRELESS REMOTE



ARTICULATED WALL MOUNT

SYSTEM COMPONENT GUIDE

- 1. Carbon Fiber Infrared Element**
2500W medium-wave carbon tube emits instant, sun-like directional heat.
- 2. Parabolic Aluminum Reflector**
High-polish curved reflector maximizes thermal throw and heat dispersion.
- 3. 304 Stainless Steel Safety Grille**
Durable mesh guard protects element with lifelong corrosion resistance.
- 4. 4-Stage LED Power Indicator**
Illuminates active heat setting (1000W / 1500W / 2000W / 2500W).
- 5. Aerodynamic Aluminum Casing**
Extruded aircraft-grade aluminum body engineered for slim wall/ceiling profile.
- 6. Wireless Handheld Remote**
Controls power, 4 heat levels, digital thermostat & programmable sleep timer.
- 7. Articulated Mounting Brackets**
Heavy-duty steel hardware for wall or ceiling mounting with downward tilt.
- 8. IP44 Weatherproof Protection**
Splash-proof engineering for sheltered patios, pergolas & indoor spaces.

INSTRUCTION & OWNER'S OPERATING MANUAL

Please read this manual thoroughly before mounting or operating your Veito Aero infrared heater and retain for future reference.

For customer service inquiries, parts, or warranty support, visit redferment.com or call 1-877-387-7770.

1. Product Overview & Carbon Infrared Technology

Thank you for choosing the **Veito® Aero 2500W Black Infrared Heater** distributed by **Redfern Enterprises**. Engineered for heavy-duty residential and commercial applications, the Veito® Aero 2500W is the ultimate solution for demanding heating challenges. Designed with a sleek, aerodynamic aluminum casing and a protective 304 stainless steel grille, the Aero harnesses state-of-the-art **carbon fiber medium-wave infrared technology** to deliver instant, penetrating radiant warmth. Unlike conventional forced-air or ceramic heaters that warm ambient air—which rises and quickly escapes outdoors or in open spaces—the Veito® Aero directly warms solid objects, floors, and people, converting 100% of electrical energy into usable thermal comfort. With an expansive **coverage area of up to 30 m² (~320 sq. ft.)**, an **IP44 weatherproof rating**, and an ergonomic wireless remote control managing four adjustable power levels, the Aero 2500W transforms cold basements, open-concept rooms, and chilly outdoor patios.

Core Infrared Technologies & Performance Highlights

High-Output 2500W Carbon Fiber Filament	Emits optimal medium-wave infrared radiation that directly heats the human body and surfaces without drying the surrounding air. Produces 25% more thermal efficiency than conventional quartz or halogen tubes with a long operating lifespan exceeding 10,000 hours.
Direct Radiant Heat Transfer (Sun-Like Warmth)	Infrared energy travels straight through open air, unhindered by outdoor breezes or indoor air drafts. People and furnishings act as heat sinks, creating a gentle, uniform micro-climate within 10 seconds of activation.
4-Stage Power Level Flexibility	Allows seamless cycling between four calibrated heat output settings (Level 1: 1000W, Level 2: 1500W, Level 3: 2000W, Level 4: 2500W Max Boost) to adapt instantly to fluctuating ambient temperatures and save on energy bills.
Extruded Aluminum & 304 Stainless Steel Construction	Crafted from 100% recyclable aircraft-grade extruded aluminum with an aerodynamic low-profile bezel. Features an anti-corrosion 304 stainless steel protective front mesh grille built to withstand harsh seasonal elements.
Certified IP44 Weatherproof Protection	Engineered to resist splashing water and environmental moisture from all angles. Certified for safe operation across covered patios, outdoor restaurant terraces, verandas, garages, workshops, and high-humidity indoor zones.

Key Benefits & Usability Features

- **Rapid Directional Heating:** Radiant heat output is felt immediately within seconds of powering on.
- **Expansive Coverage:** Effectively warms large open-concept spaces and patio areas up to 30 m² (~320 sq. ft.).
- **Full-Function Wireless Remote:** Conveniently controls Power, 4 Heat Output Levels, Sleep Timer, and Auto Thermostat.
- **Programmable Sleep Timer:** Allows automated shut-off countdown from 1 to 9 hours for overnight or patio peace of mind.
- **Completely Silent Solid-State Operation:** Generates zero fan hum, blower vibration, or dust circulation.
- **Versatile Mounting Architecture:** Supports both horizontal and vertical mounting orientations on walls or ceilings.

Recommended Installation & Application Zones

- **Covered Outdoor Patios, Verandas & Decks:** Keeps outdoor living and dining areas comfortable into late autumn and early spring.
- **Commercial Restaurant Terraces & Cafes:** Extends customer seating capacity outdoors in cold weather without bulky gas towers.
- **Open-Concept Living Areas & Cold Basements:** Delivers powerful, quiet supplemental warmth to drafty, hard-to-heat zones.
- **Home Garages, Workshops & Warehouses:** Directs intense radiant heat straight to workbenches without wasting energy heating the whole ceiling.

2. Device Anatomy & Operating Guide

Component Anatomy Reference

Review the key mechanical components, indicators, and controls of your Veito® Aero 2500W Black Infrared Heater:

Component	Location	Function & Description
1. Carbon Fiber Tube	Center heating bay	High-output 2500W carbon filament generating medium-wave infrared warmth with pleasant low-glare amber illumination.
2. Parabolic Reflector	Behind carbon element	Curved high-reflectivity aluminum reflector directing radiant heat outward across an expansive 30 m² footprint.
3. 304 Stainless Steel Grille	Front face aperture	Heavy-duty stainless steel wire grid (2 horizontal, 5 vertical struts) safeguarding against accidental element contact.
4. 4-Stage LED Indicator	Right end cap face	Vertical LED array indicating active power stage (1 dot = 1000W, 2 = 1500W, 3 = 2000W, 4 = 2500W) plus IR receiver.
5. Aerodynamic Body Casing	Main chassis	Matte black extruded aluminum housing with aerodynamic curved profiles, heat sink cooling fins, and IP44 seals.
6. Wireless Remote Control	Handheld accessory	Ergonomic infrared controller featuring Power, Level (+/-), Auto Thermostat (°C/°F), and Sleep Timer countdown.
7. Articulated Brackets	Rear chassis mounting	Heavy-duty multi-angle bracket set for horizontal or vertical wall and ceiling mounting with adjustable downward tilt.
8. Heavy-Duty Power Cord	Rear right cable entry	Industrial grounded power cord with strain relief, designed for 2500W high-amperage electrical safety.

Step-by-Step Installation & Mounting Guidelines

- **Mounting Height Requirements:** Install the heater at a minimum height of **6.0 feet (1.8 meters)** above floor level (recommended height: 6.5 to 8.5 feet / 2.0 to 2.6 meters for optimal radiant heat cone).
- **Clearance Distances:** Maintain at least **16 inches (40 cm)** clearance from the ceiling and adjacent walls, and a minimum of **3.0 feet (1.0 meter)** clearance from combustible materials in front of the heater.
- **Bracket Anchoring:** Fasten the mounting brackets securely into structural wall studs, solid masonry, or ceiling joists using the provided heavy-duty mounting hardware. Ensure the bracket pivot bolt is securely locked at the desired angle (recommended 30° to 45° downward tilt).
- **Orientation Options:** The Aero 2500W can be mounted horizontally or vertically. For vertical mounting, ensure the electrical cable entry is positioned at the lower end.
- **Electrical Connection:** Plug the grounded power cable into a dedicated 220–240V AC power outlet or approved weatherproof GFCI exterior receptacle. Do not connect via lightweight household extension cords.

Operating Instructions (Remote & Manual Control)

1. **Power Activation:** Press the red **POWER** (■) button on the wireless remote control. The carbon filament begins radiating instant heat within seconds, and the LED status indicator illuminates.
2. **Selecting Power Levels:** Press the **LEVEL ▲ and ▼** buttons to cycle through the 4 heat output settings: Level 1 (1000W), Level 2 (1500W), Level 3 (2000W), and Level 4 (2500W Full Boost). The vertical LED array indicates the active setting.
3. **Setting the Sleep Timer:** Press the **TIMER** (■) button on the remote to set an automated shutoff timer from 1 to 9 hours. The heater automatically shuts off when the countdown completes.
4. **Digital Thermostat (Auto Mode):** Press the **AUTO °C/°F** button on the remote to set a target ambient temperature. The heater intelligently regulates its heat output to maintain steady warmth without wasting power.

3. Important Safety Information & Safeguards

■ CRITICAL FIRE & HIGH-WATTAGE ELECTRICAL HAZARD WARNINGS:

- **CLEARANCE FROM COMBUSTIBLES:** Maintain a strict minimum separation of 3.0 feet (1.0 meter) between the front, sides, and top of the heater and all combustible items (furniture, drapery, clothing, wood, patio umbrellas, plastic screens, and paper).
- **HIGH THERMAL OUTPUT (2500W):** The 2500W carbon filament generates intense radiant energy. The aluminum chassis and stainless steel front grill reach high surface temperatures. Never touch during operation or within 20 minutes of powering off.
- **NEVER COVER THE GRILLE:** Never drape towels, tarps, fabrics, or clothing over the heater. Obstructing the front face causes extreme internal heat buildup and triggers emergency thermal shutoff.

Electrical Connection & Circuit Amperage Requirements

- **Dedicated Electrical Circuit:** The Aero 2500W draws approximately 10.4 to 11.4 Amps at 220V–240V AC. It must be operated on a dedicated circuit protected by a 15-Amp or 20-Amp circuit breaker. Do not connect other high-load appliances to the same circuit.
- **Outdoor Weatherproof GFCI Receptacle:** When installed in outdoor patios or verandas, the unit must be plugged into a certified, weatherproof Ground Fault Circuit Interrupter (GFCI) outlet with an in-use protective cover.
- **Heavy-Duty Extension Restrictions:** Avoid using extension cords. If an extension cord is strictly required, it must be an outdoor-rated, heavy-gauge cable (minimum 12 AWG or 14 AWG) rated for 2500W and equipped with a 3-prong grounded plug.
- **Cord Inspection & Routing:** Never operate the unit with a damaged power cord or cracked plug. Do not route the electrical cord underneath outdoor decking, rugs, carpets, or across high-traffic footpaths.

Outdoor Weather Guidelines (IP44 Certification)

- **Covered Overhead Installation:** The IP44 ingress protection rating certifies the heater against splashing water and rain spray from any direction. For optimal longevity, install under covered eaves, pergolas, gazebos, or patio roofs.
- **Prohibition of Direct Pressure Washing:** Never submerge the unit in water or spray it directly with high-pressure garden hoses or pressure washers.
- **Winter & Freezing Resistance:** The carbon filament and aluminum chassis perform dependably in freezing sub-zero Canadian winter temperatures. Ensure windblown snow or ice accumulation is brushed off the grille prior to powering on.

Child Safety & Automated Protection Systems

Exercise extreme vigilance when operating around children, pets, or individuals with limited mobility. The Aero 2500W includes dual automated safety systems: an **automatic thermal overheat cutoff** that immediately de-energizes the element if internal temperatures exceed safe limits, and an **internal tip-over / tilt switch** that terminates power if physical displacement occurs.

4. Maintenance, Cleaning & Troubleshooting

Routine Cleaning & Seasonal Maintenance Guide

Proper routine care ensures maximum radiant heat throw, protects the anodized black finish, and guarantees dependable performance:

- 1. Disconnect and Cool Down:** Always disconnect the heater from the power outlet and allow the heating element and aluminum casing to cool down completely for at least 30 minutes before cleaning or inspecting.
- 2. Cleaning the Aluminum Chassis:** Wipe down the matte black extruded casing with a soft microfiber cloth lightly moistened with clean water and mild neutral soap. Never use abrasive scrubbers, harsh chemical detergents, acetone, or petrol-based solvents.
- 3. Parabolic Reflector & Element Dusting:** If dust, spiderwebs, or leaves accumulate inside the front chamber, use dry compressed air or a vacuum cleaner crevice nozzle to dislodge particles. **Never touch the carbon glass tube with bare hands**, as skin oils can degrade the quartz glass under high heat.
- 4. Bracket Hardware Check:** Inspect the wall or ceiling mounting brackets periodically to verify that wall anchor lag bolts and angle locking screws remain tightly fastened.
- 5. Off-Season Storage:** If unmounting the heater during extended summer or winter storage, place it in its original packaging in a clean, dry indoor location protected from moisture and dust.

Troubleshooting Matrix

Observed Condition	Probable Cause	Recommended Action
Heater will not turn on; LEDs unlit	<ul style="list-style-type: none"> Power plug loose or disconnected. Circuit breaker or GFCI outlet tripped. No mains voltage at wall outlet. 	<ul style="list-style-type: none"> Firmly seat power plug in receptacle. Reset household circuit breaker or GFCI button. Test wall socket with an alternate appliance.
Heater energized but emitting no heat	<ul style="list-style-type: none"> Standby mode active. Digital thermostat setting lower than current ambient temperature. 	<ul style="list-style-type: none"> Press LEVEL ▲ button on remote to engage heat setting 1–4. Increase target temperature on thermostat.
Heater shuts off unexpectedly during use	<ul style="list-style-type: none"> Sleep timer expired. Overheat thermal cutoff activated. Unit tilted or displaced from mounting. 	<ul style="list-style-type: none"> Press Power on remote to restart. Clear any airflow obstructions or nearby combustibles; allow 20 min cool-down. Verify bracket mounting is firm and level.
Remote control unresponsive	<ul style="list-style-type: none"> Remote battery depleted (CR2025/CR2032). IR receiver on right end cap blocked. Operating distance exceeds 20 ft. 	<ul style="list-style-type: none"> Replace coin-cell battery in remote. Ensure clear line-of-sight to the indicator window. Operate within 15–20 feet of the heater.
Faint burning odor on initial startup	<ul style="list-style-type: none"> Normal burn-off of manufacturing protective oil coatings or settled airborne dust. 	<ul style="list-style-type: none"> Normal during the initial 20–30 minutes of break-in operation. Run in a well-ventilated area until odor clears.

5. Technical Specifications & Warranty

Technical Specifications Table

Specification Parameter	Official Value / Construction Rating
Product Brand & Model	Veito® Aero 2500W Black (Model: Aero 2500)
Manufacturer & Distribution	Veito • Distributed in Canada by Redfern Enterprises Ltd.
Operating Electrical Supply	AC 220V–240V ~ 50/60Hz (Grounded 3-Prong High-Power Supply)
Maximum Power Consumption	2500 Watts (approx. 10.4A – 11.4A) • 100% Thermal Conversion
Heating Element Technology	High-Efficiency Medium-Wave Carbon Fiber Filament Tube
Heating Element Lifespan	10,000+ Operating Hours (Over a decade of regular seasonal use)
Heat Power Settings	4 Calibrated Output Levels (1000W / 1500W / 2000W / 2500W)
Effective Heating Coverage	Up to 30 m² (~320 sq. ft.) Radiant Direct Heat Area
Temperature & Timer Controls	Auto Digital Thermostat (°C/°F) & 1 to 9 Hour Sleep Timer
Ingress Protection Rating	IP44 Weatherproof (Splashing Water, Rain Spray & Moisture Resistant)
Product Dimensions (W × H × D)	Approx. 750 mm × 208 mm × 55 mm (29.5" × 8.2" × 2.2")
Product Construction Weight	Net Weight: Approx. 2.2 kg (4.8 lbs) • Package Weight: 6.8 kg
Chassis & Grille Materials	Extruded Recyclable Aluminum Body & 304 Stainless Steel Grille
Mounting Capabilities	Horizontal or Vertical Wall / Ceiling Mount (Brackets Included)
Safety Certifications	cETLus Listed, CE Certified, TUV / GS, Overheat & Tip-Over Cutoffs, RoHS
Included in Packaging	1x Veito Aero 2500W Heater, 1x Remote Control, 1x Bracket Set, 1x Manual

Redfern Enterprises Limited Manufacturer Warranty

Redfern Enterprises Ltd. warrants this Veito® product against defects in materials and workmanship under normal use for a period of **one (1) year** from the date of original retail purchase. During this warranty period, Redfern Enterprises will, at its discretion, repair or replace defective components free of charge. This warranty does not cover damage caused by accident, misuse, commercial overloading, improper electrical installation (including failure to maintain minimum combustible clearances), exposure beyond IP44 ratings, or unauthorized service. Please retain your original proof of purchase to validate warranty coverage.

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