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> [Redact 2400W Portable Inverter Generator Instruction Manual \(Model Ra2400i\)](#)

Redact Ra2400i

Redact 2400W Portable Inverter Generator Instruction Manual (Model Ra2400i)

1. INTRODUCTION

Thank you for choosing the Redact 2400W Portable Inverter Generator. This generator is designed to provide clean, reliable power for various applications, including home backup, camping, RV use, tailgating, and emergencies. Its lightweight and compact design, combined with advanced features like Eco-Mode and CO Protection, ensure both convenience and safety.

The advertisement features a central image of the Redact Ra2400i generator in a camping setting. The generator is orange and black, with the Redact logo and model number 'Ra2400i' on its front. In the background, a man and a woman are sitting on a sandy beach, cooking over a campfire. A yellow tent is visible behind them. The text 'REDACT Gasoline Silent Portable Inverter Generator' is at the top, followed by 'ULTRA LIGHTWEIGHT | CLEAN ENERGY'. Two callouts highlight '2400 STARTING WATTS' and '1800 RUNNING WATTS'. At the bottom, five icons represent key specifications: 4.0(H) Running time, 68dB Noise at 7m, 79.2CC Displacement, 4L Fuel tank capacity, and 0.35L Oil capacity level.

| Icon | Specification |
|------|--------------------------|
| | 4.0(H) Running time |
| | 68dB Noise at 7m |
| | 79.2CC Displacement |
| | 4L Fuel tank capacity |
| | 0.35L Oil capacity level |

Image: The Redact 2400W Portable Inverter Generator, highlighting its 2400W starting and 1800W running watts, 4.0 hour running time, 68dB noise level, 79.2CC displacement, and 4L fuel tank capacity.

This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your generator. Please read it thoroughly before use.

2. SAFETY INFORMATION

Always prioritize safety when operating the generator. Failure to follow safety instructions can result in serious injury or death.

- **Carbon Monoxide (CO) Hazard:** Generator exhaust contains carbon monoxide, a poisonous gas you cannot see or smell. Never use the generator inside a home, garage, or any partially enclosed area. Always use outdoors and far away from open windows, doors, and vents.
- **Electrical Hazard:** Do not operate the generator in wet conditions. Ensure all connections are secure and dry.
- **Fuel Safety:** Gasoline is highly flammable. Always refuel in a well-ventilated area with the engine off and cool.
- **Grounding:** Always ensure the generator is properly grounded before operation.



Image: The generator's control panel, emphasizing safety features such as Digital Display, CO Alert, Low Oil Alert, Overload Protection, and Output Alert indicators.

3. PACKAGE CONTENTS

Upon unpacking, ensure all items listed below are present:

- Redact 2400W Portable Inverter Generator Unit
 - Dust Cover
 - Instruction Manual
 - Wrenches and Screwdrivers
 - Three-pin Plugs
 - Parallel Wire
 - Gas Funnel
 - Oil Filling Jug
-

Video: An unboxing and initial setup guide for a similar ERAYAK generator, demonstrating the contents and first steps before starting the unit.

4. SETUP

4.1 Adding Engine Oil

The generator is shipped without engine oil. You must add the correct type and amount of oil before the first start.

1. Place the generator on a level surface.
2. Remove the side panel by unscrewing the two screws.
3. Locate the oil fill cap/dipstick.
4. Using the provided funnel, slowly add 0.35 liters (approximately 11.8 fl oz) of 10W-30 engine oil. Do not overfill.
5. Replace the oil fill cap/dipstick and secure the side panel.

4.2 Adding Fuel

Use only fresh, unleaded gasoline with an octane rating of 87 or higher.

1. Ensure the generator is off and cool.
2. Unscrew the fuel cap.
3. Insert the provided gas funnel into the fuel tank opening.
4. Carefully pour gasoline into the tank, ensuring not to overfill. The tank capacity is 1.1 gallons (4 liters).
5. Securely replace the fuel cap.

4.3 Initial Start Procedure

Follow these steps for the first start-up:

1. Ensure the generator is on a level, outdoor surface, away from any obstructions.
2. Turn the 3-in-1 switch to the 'Start' position.
3. Pull the recoil start handle firmly until the engine starts.
4. Once the engine starts, slowly move the 3-in-1 switch to the 'Run' position.



Image: Close-up of the generator's control functions, including the three-in-one switch (Off, On, Choke) and the recoil start handle.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

Familiarize yourself with the generator's control panel for efficient operation.

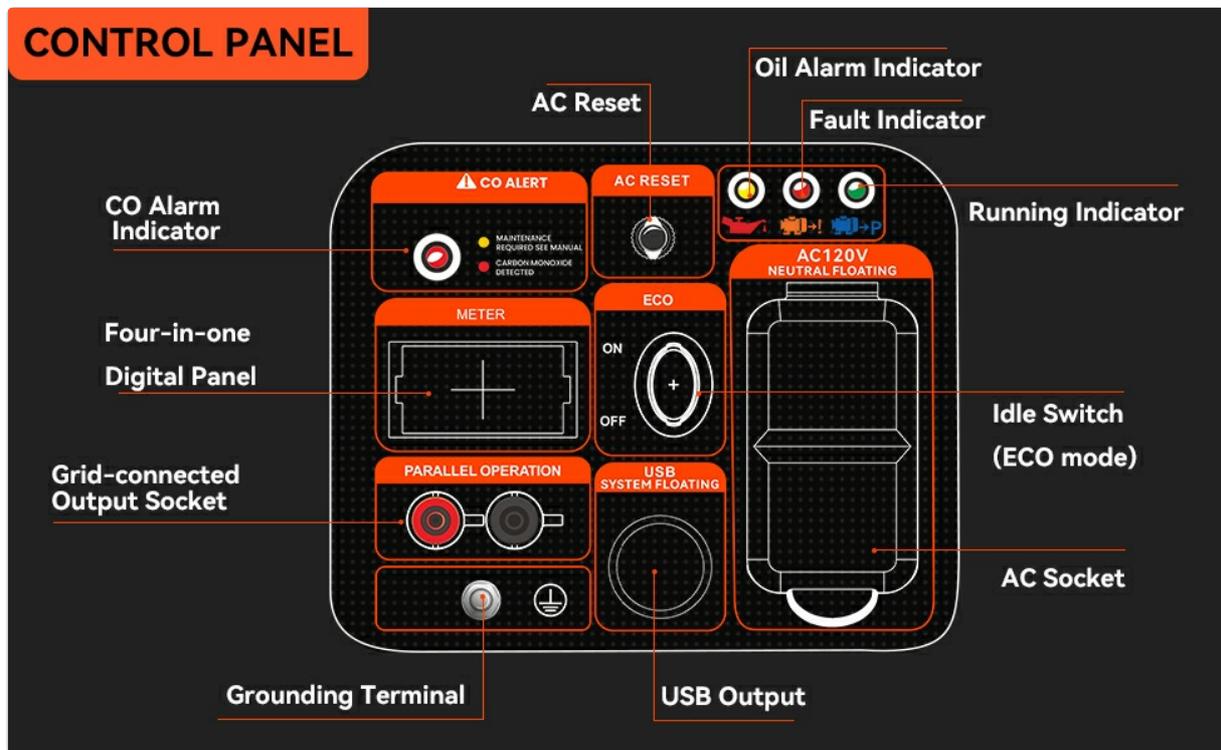


Image: A detailed view of the control panel, labeling the CO Alarm Indicator, AC Reset, Oil Alarm Indicator, Fault Indicator, Running Indicator, Three-in-one Digital Panel, Idle Switch (ECO mode), AC Socket, Grounding Terminal, Grid-connected Output Socket, and USB Output.

- **Three-in-one Digital Panel:** Displays Voltage (V), Frequency (Hz), Single operation time (R), and Cumulative operation time (H). Press 'MODE' to switch display categories.
- **CO Alarm Indicator:** Lights up if carbon monoxide is detected, shutting down the generator for safety.
- **Oil Alarm Indicator:** Indicates low oil level.
- **Fault Indicator:** Signals a general fault or overload.
- **Running Indicator:** Shows when the generator is operating normally.
- **AC Reset:** Button to reset the AC circuit breaker.
- **Idle Switch (ECO mode):** Engages Eco-Mode for fuel efficiency.
- **AC Sockets (120V):** For connecting standard electrical devices.
- **USB Output (USB-A & USB-C):** For charging electronic devices.
- **Grounding Terminal:** For connecting a ground wire.
- **Parallel Operation Ports:** For connecting two generators in parallel.

5.2 Eco-Mode Operation

Engage Eco-Mode by switching the Idle Switch to 'ON'. In Eco-Mode, the engine speed automatically adjusts to the load, reducing fuel consumption and noise levels. This is ideal for powering smaller appliances or maintaining a charge.



Image: The ECO mode switch on the generator, allowing for reduced engine speed and improved fuel efficiency under light loads.

5.3 Connecting Electrical Devices

The generator provides clean power (THD <3%), safe for sensitive electronics.

- Plug your 120V devices into the AC outlets.
- Use the USB-A or USB-C ports to charge phones, laptops, drones, and cameras.
- Ensure the total wattage of connected devices does not exceed the running wattage (1800W) to prevent overload.



Image: The generator powering various items such as an RV (1500W), coffee maker (600W), television (500W), electric drill (600W), window air conditioner (1200W), well water pump (1500W), and miter saw (1200W).

5.4 Parallel Operation

For increased power output, two Redact 2400W inverter generators can be connected in parallel using a compatible parallel kit (sold separately). This can provide up to 3200W of running power.

1. Ensure both generators are off and on a level surface.
2. Connect the parallel cables to the designated parallel ports on both generators.

3. Start both generators according to the standard starting procedure.
4. Once both are running, you can connect devices to the parallel kit's outlets.



Image: Two Redact Ra2400i generators connected for parallel operation, illustrating how two units can combine to provide higher wattage (3400W peak, 3200W rated). Note: Parallel cable is not included.

Video: A short video showcasing the ultra-lightweight design of a 2500W inverter generator, suitable for camping and portable power needs.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator.

- **Engine Oil:** Check oil level before each use. Change oil after the first 20 hours of operation, then every 100 hours or annually.
- **Spark Plug:** Inspect and clean the spark plug every 50 hours or annually. Replace if worn or damaged. Use the specific spark plug (E6RTC) only.
- **Air Filter:** Clean the air filter every 50 hours or more frequently in dusty conditions.
- **Fuel Filter:** Inspect the fuel filter annually and replace if necessary.
- **Storage:** For long-term storage, drain the fuel tank and carburetor, or use a fuel stabilizer. Store in a

clean, dry place.

7. TROUBLESHOOTING

If your generator encounters issues, refer to the following common problems and solutions:

- **Engine Fails to Start:**
 - Check fuel level.
 - Check engine oil level (low oil shutdown).
 - Ensure the 3-in-1 switch is in the correct 'Start' or 'Choke' position.
 - Inspect the spark plug.
- **No Power Output:**
 - Check if the AC Reset button has tripped.
 - Ensure the generator is not overloaded.
 - Check for any fault indicators on the control panel.
- **CO Alarm Activated:**
 - Immediately move the generator to a well-ventilated outdoor area.
 - Allow the generator to cool down and ventilate before attempting to restart.

8. SPECIFICATIONS

| Feature | Specification |
|---------------------|---|
| Brand | Redact |
| Model Name | Ra2400i |
| Starting Wattage | 2400 Watts |
| Running Wattage | 1800 Watts |
| Engine Displacement | 79.7 Cubic Centimeters |
| Fuel Type | Gasoline |
| Tank Volume | 1.1 Gallons |
| Item Weight | 39 Pounds |
| Product Dimensions | 18"L x 11"W x 18"H |
| Voltage | 120 Volts |
| Total Power Outlets | 2 (120V AC) + USB-A & USB-C |
| Special Features | CO Sensor, Lightweight, Low Oil Shutdown, Overload Protection, Portable |

9. WARRANTY & SUPPORT

The Redact 2400W Portable Inverter Generator comes with a **1-Year Warranty** from the date of purchase.

For technical support, warranty claims, or replacement parts, please contact Redact customer service through the retailer where the product was purchased.