

## Redact RT005DEi

# Redact RT005DEi 5000W Portable Dual Fuel Inverter Generator User Manual

Model: RT005DEi

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## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Redact RT005DEi 5000W Portable Dual Fuel Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.



Image 1.1: The Redact RT005DEi 5000W Portable Dual Fuel Inverter Generator, showcasing its compact design and control panel.

## 2. SAFETY INFORMATION

Operating a generator can be hazardous if safety precautions are not followed. Always prioritize safety to prevent serious injury or death.

### 2.1 Carbon Monoxide (CO) Hazard

Generators produce carbon monoxide, an odorless, colorless, and poisonous gas. Breathing CO can cause nausea, fainting, or death. The Redact RT005DEi includes a built-in CO sensor that will shut down the generator if CO levels become unsafe.

- **NEVER** operate the generator indoors, in garages, sheds, or any enclosed or partially enclosed areas.
- Always operate the generator outdoors in a well-ventilated area, far away from windows, doors, and vents.
- Install battery-operated CO alarms in your home or RV.

### 2.2 Fuel Safety

Gasoline and LPG are highly flammable and explosive. Handle fuels with extreme care.

- Store fuel in approved containers in a well-ventilated area, away from ignition sources.
- Do not refuel the generator while it is running or hot. Allow it to cool down before adding fuel.

- Avoid spilling fuel. If spilled, wipe it up immediately and ensure the area is dry before starting the generator.

## 2.3 Electrical Safety

- Do not operate the generator in wet conditions.
- Ensure all electrical connections are secure and properly grounded.
- Never overload the generator. Refer to the specifications for maximum wattage.

## 3. PRODUCT OVERVIEW

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The Redact RT005DEi is a portable dual-fuel inverter generator designed for various applications, offering both gasoline and LPG power options.

### 3.1 Key Features

- **Dual Fuel Capability:** Operates on gasoline or LPG (Liquefied Petroleum Gas).
- **High Power Output:** 5000W peak / 3800W rated on gasoline; 4500W peak / 3500W rated on LPG.
- **Multiple Start Methods:** Recoil, Electric, and Remote Start for convenience.
- **CO Protection:** Integrated CO sensor for automatic shutdown in unsafe conditions.
- **Eco Mode:** Optimizes fuel consumption and reduces noise at lower loads.
- **Parallel Capable:** Connect two RT005DEi units for increased power output (up to 7200W peak).
- **Clean Power:** Inverter technology provides stable power for sensitive electronics.



Image 3.1: Overview of the Redact RT005DEi Inverter Generator highlighting its key features such as parallel capability, long runtime, low noise, lightweight design, CO alert, oil sensor, clean power, and ECO mode.

### 3.2 Control Panel Components

Familiarize yourself with the control panel for safe and effective operation.

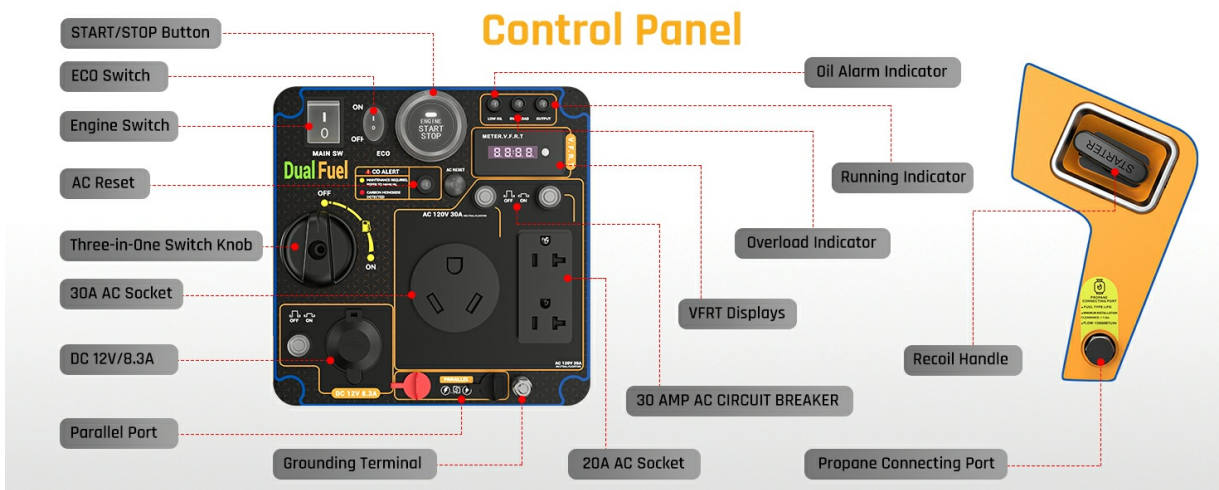


Image 3.2: Detailed diagram of the generator's control panel, indicating the location and function of the Engine Switch, Oil Alarm Indicator, Running Indicator, Overload Indicator, VFRT Displays, AC Reset, 30 Amp AC Circuit Breaker, CO Alert,

30A AC Socket, Recoil Handle, Propane Connecting Port, 20A AC Socket, Grounding Terminal, Parallel Port, DC 12V/8.3A outlet, Three-in-One Switch Knob, ECO Switch, and START/STOP Button.

- **Engine Switch:** Controls engine power (ON/OFF).
- **Oil Alarm Indicator:** Illuminates when oil level is low.
- **Running Indicator:** Shows when the generator is operating.
- **Overload Indicator:** Illuminates if the generator is overloaded.
- **VFRT Displays:** Digital display for Voltage, Frequency, Run Time.
- **AC Reset:** Resets the AC circuit breaker.
- **30 Amp AC Circuit Breaker:** Protects the 30A AC socket from overload.
- **CO Alert:** Indicates a carbon monoxide hazard.
- **30A AC Socket:** For high-power appliances.
- **Recoil Handle:** For manual starting.
- **Propane Connecting Port:** For LPG fuel connection.
- **20A AC Socket:** Standard AC outlets.
- **Grounding Terminal:** For proper grounding.
- **Parallel Port:** For connecting two generators.
- **DC 12V/8.3A:** DC power output.
- **Three-in-One Switch Knob:** Controls fuel flow and choke.
- **ECO Switch:** Activates Eco Mode.
- **START/STOP Button:** For electric start and stopping the engine.

### 3.3 Included Components

- Redact RT005DEi Inverter Generator
- 8/10mm Wrench
- Funnel
- Propane/LPG hose with regulator
- Reversible Phillips/Flathead Screwdriver
- Spark Plug Wrench
- Lithium Ion Battery (pre-installed for electric start)

## 4. SETUP

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Before first use, perform the following setup steps.

### 4.1 Add Engine Oil

1. Place the generator on a level surface.
2. Locate the oil fill cap/dipstick.
3. Using the provided funnel, carefully add the recommended engine oil (refer to specifications for type and capacity). Do not overfill.
4. Replace the oil fill cap/dipstick securely.

### 4.2 Connect Fuel Source

The RT005DEi operates on either gasoline or LPG.

#### 4.2.1 Gasoline Operation

1. Ensure the generator is off and cool.
2. Unscrew the fuel cap.
3. Carefully pour fresh, unleaded gasoline into the fuel tank. Do not fill above the maximum level indicator. The tank capacity is 1.8 gallons.
4. Securely replace the fuel cap.

#### 4.2.2 LPG Operation

1. Ensure the generator is off and cool.
2. Connect one end of the provided LPG hose to the generator's propane connecting port.
3. Connect the other end of the hose to an LPG tank.
4. Slowly open the valve on the LPG tank. Check for leaks.



Image 4.1: The Redact RT005DEi generator positioned outdoors with both a gasoline can and an LPG tank, illustrating its dual-fuel capability.

#### 4.3 Grounding the Generator

For safety, always ground the generator before operation. Connect a grounding wire from the grounding terminal on the control panel to a suitable ground source.

## 5. OPERATING INSTRUCTIONS

Follow these steps to start and operate your generator.

### 5.1 Starting the Generator

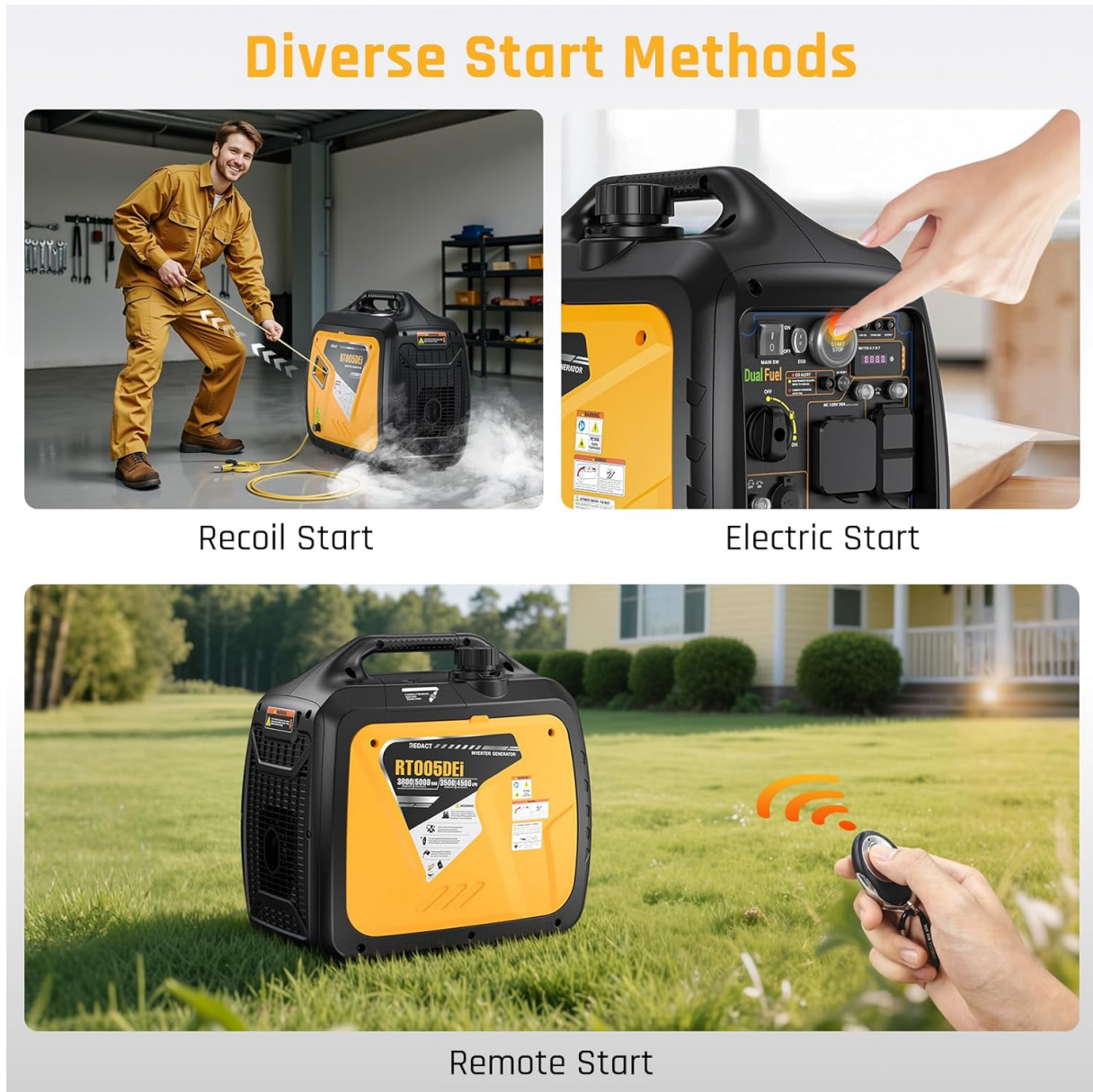


Image 5.1: Demonstrates the three diverse starting methods: recoil start (manual pull), electric start (push button), and remote start (using a wireless remote control).

1. Ensure the generator is on a level, outdoor surface, away from any enclosures.
2. Verify oil and fuel levels are adequate.
3. Turn the Three-in-One Switch Knob to the appropriate fuel setting (Gasoline or LPG) and choke position (if cold start).
4. **For Electric Start:** Press and hold the START/STOP button until the engine starts.
5. **For Recoil Start:** Pull the recoil handle firmly and steadily until the engine starts.
6. **For Remote Start:** Use the remote control to start the generator.
7. Once the engine is running, slowly move the Three-in-One Switch Knob to the RUN position (no choke).

### 5.2 Eco Mode Operation

Engage the ECO Switch to activate Eco Mode. In this mode, the engine speed automatically adjusts to the

load, reducing fuel consumption and noise levels when less power is required.

### 5.3 Parallel Operation

The RT005DEi is parallel capable, allowing you to connect two units for increased power output.



Image 5.2: Two Redact RT005DEi generators connected via parallel cables, providing enhanced power for a group enjoying an outdoor gathering.

1. Ensure both generators are off and cool.
2. Connect the parallel cables (sold separately) to the Parallel Ports on both generators.
3. Start both generators according to the standard starting procedure.
4. Once both are running, they will synchronize to provide combined power.

### 5.4 Stopping the Generator

1. Disconnect all electrical loads from the generator.
2. Turn the Three-in-One Switch Knob to the OFF position.
3. If operating on LPG, close the valve on the LPG tank.
4. If using electric start, press the START/STOP button to turn off the engine.



## 6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your generator.

### 6.1 Engine Oil

- Check oil level before each use.
- Change oil after the first 20 hours of operation, then every 100 hours or annually.

### 6.2 Air Filter

- Inspect the air filter every 50 hours or monthly.
- Clean or replace if dirty.

### 6.3 Spark Plug

- Inspect the spark plug every 100 hours or annually.
- Clean or replace if fouled or damaged.

### 6.4 Storage

- For long-term storage, drain the fuel tank and carburetor of gasoline, or disconnect the LPG tank.
- Store the generator in a clean, dry place.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your generator.

Problem	Possible Cause	Solution
Engine does not start	No fuel, low oil, spark plug issue, choke incorrect, battery low (electric start)	Check fuel level, add oil, inspect/clean spark plug, adjust choke, charge/replace battery.
Generator stops unexpectedly	Low oil shutdown, CO sensor activation, overload, lack of fuel	Check oil/fuel, move to well-ventilated area, reduce load, reset AC breaker.
No power output	Overload, AC circuit breaker tripped, faulty connection	Reduce load, press AC Reset button, check connections.
Engine runs rough	Stale fuel, dirty air filter, fouled spark plug	Use fresh fuel, clean/replace air filter, clean/replace spark plug.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Redact
Model Name	RT005DEi
Starting Wattage	5000 Watts (Gasoline)

Feature	Specification
Running Wattage (Gasoline)	3800 Watts
Running Wattage (LPG)	3500 Watts
Fuel Type	Gasoline, Liquefied Petroleum Gas
Voltage	120 Volts
Engine Displacement	174.2 Cubic Centimeters
Fuel Tank Capacity	1.8 Imperial Gallons
Item Weight	60 Pounds
Product Dimensions (L x W x H)	20.7" x 11.8" x 20"
Ignition System Type	Recoil Start, Electric Start
Special Features	CO Sensor, Digital Display, Dual Fuel, Electric Start, Low Oil Shutdown
Batteries	1 Lithium Ion battery (included)

## 9. WARRANTY AND SUPPORT

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### 9.1 Warranty Information

The Redact RT005DEi Inverter Generator comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

### 9.2 Customer Support

For technical assistance, parts, or warranty inquiries, please contact Redact customer support. Refer to the product packaging or the official Redact website for the most current contact information.