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Charbroil 16301878

Charbroil Kettleman TRU-Infrared Charcoal Grill (Model 16301878) User Manual

Model: 16301878 | Brand: Charbroil

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Charbroil Kettleman TRU-Infrared Charcoal Grill, Model 16301878. The Kettleman grill features TRU-Infrared cooking technology designed to prevent flare-ups, deliver even heat, and produce juicier food.


Char-Broil

Figure 1: Charbroil Kettleman TRU-Infrared Charcoal Grill (Model 16301878) in Black, with lid closed.

2. Important Safety Information

WARNING: Failure to follow these safety instructions could result in fire, explosion, or burn hazard, which could cause property damage, personal injury, or death.

- Always use the grill outdoors in a well-ventilated area. Never use in an enclosed space.
- Keep children and pets away from the grill at all times.
- Do not use gasoline, alcohol, or other highly volatile fluids to light or re-light charcoal.
- Use heat-resistant gloves when handling hot components.
- Ensure the grill is on a stable, level surface before use.
- Allow the grill to cool completely before cleaning or moving.
- Keep a fire extinguisher or a bucket of sand nearby in case of fire.
- Refer to local regulations for proper disposal of charcoal ash.

3. Parts List

Before assembly, ensure all parts are present and undamaged. Refer to the assembly instructions included with your grill for a detailed diagram.

- Lid with Temperature Gauge and Damper
- Cooking Grate (Porcelain-Coated Steel)
- Charcoal Grate
- Fire Bowl
- Removable Ash Tray
- Legs (x3)
- Wheels (x2)
- Bottom Storage Rack
- Hardware Pack (nuts, bolts, washers)

4. Setup and Assembly

The Charbroil Kettleman Grill requires some assembly. Follow the step-by-step instructions provided in the separate assembly manual included in your packaging.

1. **Unpack Components:** Carefully remove all parts from the packaging. Check against the parts list to ensure everything is present.
2. **Assemble Legs and Wheels:** Attach the three legs to the fire bowl. Secure the two wheels to the designated legs.
3. **Install Bottom Rack:** Secure the bottom storage rack to the legs.
4. **Place Ash Tray:** Slide the removable ash tray into its position beneath the fire bowl.
5. **Insert Grates:** Place the charcoal grate at the bottom of the fire bowl, followed by the porcelain-coated cooking grate.
6. **Attach Lid:** Secure the hinged lid to the fire bowl.

Tip: It is recommended to have a second person assist with assembly for stability.



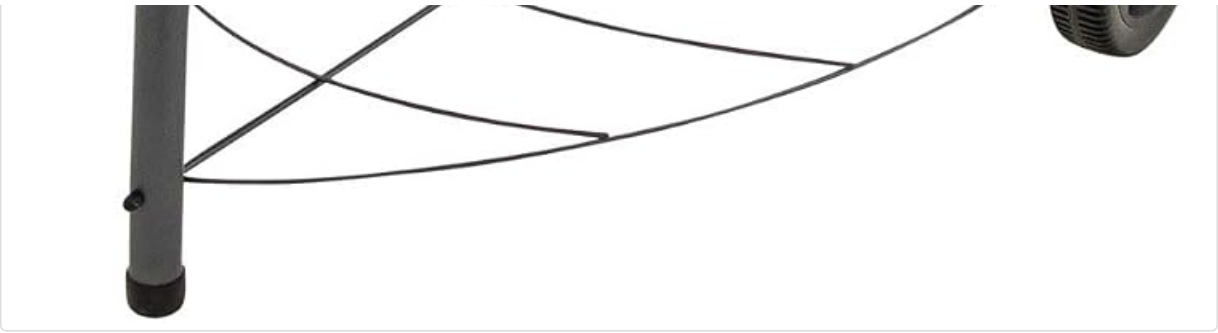


Figure 2: The grill with its hinged lid open, showing the cooking grate and charcoal grate.

5. Operating Instructions

5.1. Lighting the Charcoal

1. Open the lid and remove the cooking grate.
2. Arrange lump charcoal or briquettes on the charcoal grate. Do not overfill.
3. Use a charcoal chimney starter or appropriate fire starters to ignite the charcoal. Never use flammable liquids.
4. Once the charcoal is covered in a light gray ash, carefully spread it evenly or arrange for direct/indirect cooking.
5. Replace the cooking grate and close the lid.

5.2. TRU-Infrared Cooking Technology

The TRU-Infrared cooking system prevents flare-ups, delivers even heat, and cooks food up to 50% juicier. Heat is transferred from the coals to the grate, and drippings are vaporized, sending flavor back into your food.



Figure 3: Various foods, including burgers, chicken, and kebabs, cooking on the TRU-Infrared cooking grate.

5.3. Temperature Control

- **Lid-Mounted Temperature Gauge:** Monitor the internal temperature of the cooking chamber using the integrated gauge.
- **Adjustable Damper:** Use the adjustable damper on the lid to regulate airflow and control the heat. Opening the damper increases airflow and temperature, while closing it reduces airflow and temperature.



Figure 4: Detailed view of the temperature gauge on the grill lid for precise heat monitoring.

5.4. Cooking Area

The grill offers 360 square inches of cooking space, suitable for grilling up to 14 burgers, 8 chicken breasts, or 5 steaks. The hinged lid allows for easy checking of food and fuel without fully removing the lid.

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Video 1: Overview of the Char-Broil TRU-Infrared Kettleman Charcoal Grill, highlighting its features and cooking capabilities.

6. Maintenance

6.1. Cleaning the Grates

The porcelain-coated steel grates are designed to resist rust and are easier to clean. After each use, once the grill has cooled slightly but is still warm, use a grill brush to scrape off any food residue. For a deeper clean, remove the grates and wash with warm, soapy water.

6.2. Ash Removal

The removable ash tray neatly collects ash from the fire, making clean-up simple. Ensure the grill is completely cool before removing and emptying the ash tray. Dispose of ash according to local regulations.



Figure 5: The removable ash pan located beneath the fire bowl for easy cleaning.

6.3. General Care

- Wipe down exterior surfaces with a damp cloth.
- Store the grill in a dry, protected area when not in use, or use a grill cover to protect it from the elements.
- Regularly check all fasteners and tighten as necessary.

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Video 2: Information on protecting your grill from the elements to extend its lifespan.

7. Troubleshooting

Problem	Possible Cause	Solution
Charcoal not lighting or staying lit	Insufficient airflow; damp charcoal; improper lighting method.	Ensure dampers are fully open. Use dry charcoal. Use a charcoal chimney starter.
Uneven cooking	Uneven charcoal distribution; lid not closed properly.	Distribute charcoal evenly. Ensure lid is securely closed to maintain consistent temperature.
Excessive smoke	Too much fat dripping onto coals; improper airflow.	Trim excess fat from meat. Adjust dampers to control airflow. Consider indirect cooking for fatty foods.
Grill unstable	Loose fasteners; uneven ground.	Check and tighten all bolts. Place grill on a flat, stable surface.

8. Specifications

Brand	Charbroil
Model Name	Kettleman TRU-Infrared Charcoal Grill
Model Number	16301878
Product Dimensions	26"D x 26"W x 39"H
Item Weight	36 Pounds
Cooking Surface Area	360 Square Inches

Fuel Type	Charcoal
Cooking System	TRU-Infrared
Material Type	Metal (Black painted-steel construction, porcelain-coated fire bowl & lid)
Special Features	Adjustable Air Vent Dampers, Lid Mounted Temperature Gauge, Locking, Hinged Lid, Portable, Removable Ash Tray

9. Warranty and Support

Your Charbroil Kettleman TRU-Infrared Charcoal Grill comes with the following warranty:

- **Lid:** 10 years
- **Grates and Other Parts:** 2 years

For warranty claims, technical support, or to purchase replacement parts, please visit the official Charbroil website or contact their customer service. Keep your proof of purchase for warranty validation.

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Video 3: An informational video explaining the TRU-Infrared Technology used in Charbroil grills.

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