

Samsung RR20C1823CU/HL

Samsung 183L Direct-Cool Single Door Refrigerator User Manual

Model: RR20C1823CU/HL

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your new Samsung 183L Direct-Cool Single Door Refrigerator, model RR20C1823CU/HL. Please read these instructions thoroughly before operating the appliance and retain them for future reference. Proper installation, operation, and maintenance will ensure optimal performance and longevity of your refrigerator.





Figure 1: Exterior view of the Samsung 183L Direct-Cool Single Door Refrigerator.

2. SAFETY INFORMATION

To prevent personal injury or property damage, observe all safety precautions listed below:

- **Electrical Safety:** Ensure the refrigerator is connected to a grounded power outlet. Do not use extension cords or adapters. Disconnect power before cleaning or maintenance.
- **Ventilation:** Allow adequate space around the refrigerator for proper air circulation. Do not block ventilation openings.
- **Flammable Materials:** Do not store explosive substances or flammable materials inside or near the refrigerator.
- **Children:** Keep children away from the appliance. Ensure they do not play with the refrigerator or climb inside.
- **Handling:** Use caution when moving the refrigerator to avoid injury. It is recommended to have two or more people for moving.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove all packaging materials. Check for any damage during transit. The package includes:

- 1 Refrigerator Unit
- 1 User Manual
- Warranty Card
- Egg Tray
- Ice Tray

3.2 Placement

- Place the refrigerator on a firm, level surface. Adjust the leveling feet if necessary to ensure stability.
- Ensure there is sufficient space around the refrigerator for proper ventilation (minimum 5 cm at sides and back, 10 cm at top).
- Avoid direct sunlight or placing the refrigerator near heat sources such as stoves, ovens, or radiators.
- This model features a **Base Stand Drawer** for additional storage of non-refrigerated items. Ensure it is properly seated.



Figure 2: The integrated Base Stand Drawer for non-refrigerated storage.

3.3 Power Connection

- Connect the power cord to a dedicated 220V, 50Hz, AC outlet.
- This refrigerator features **Stabilizer Free Operation** within a voltage range of 100V to 300V, protecting it from voltage fluctuations.
- The **Smart Connect Inverter (Automatic)** allows the refrigerator to run on a home inverter during power outages, ensuring continuous cooling.



Figure 3: Illustration of Stabilizer Free Operation.



Figure 4: The refrigerator's compatibility with a home inverter system.

3.4 Initial Cleaning

Before storing food, clean the interior of the refrigerator with a soft cloth and a mild detergent solution. Wipe dry thoroughly.

4. OPERATING INSTRUCTIONS

4.1 Temperature Control

The refrigerator's temperature is controlled by a dial located inside the fresh food compartment. Turn the dial to adjust the cooling level. Higher numbers typically indicate colder settings.

4.2 Food Storage

Organize food efficiently to maintain freshness and optimize cooling.



Figure 5: Example of organized food storage within the refrigerator.

- **Fresh Food Compartment (165 L):** Ideal for daily groceries, dairy products, and cooked foods. The **Toughened Glass Shelves** can hold heavy items up to 175 kg.
- **Freezer Compartment (18 L):** Located at the top, suitable for frozen foods and making ice. An **Ice Tray** is

included.

- **Bio Fresh Zone:** A dedicated drawer designed to keep fruits and vegetables fresh for longer periods, up to 15 days.



Figure 6: The Bio Fresh Zone for extended freshness of produce.

- **Deep Door Guard (Big Bottle Guard):** Provides ample space for large bottles (up to 2L) and other tall items in the door.



Figure 7: The Deep Door Guard for storing large bottles.

- **Freshroom:** A separate compartment for delicate items that require specific cooling conditions.



Figure 8: The Freshroom for specialized storage.

4.3 Clear View Lamp

The interior is illuminated by a **Clear View Lamp**, providing bright and efficient lighting for easy visibility of contents.



Figure 9: The Clear View Lamp for interior illumination.

5. MAINTENANCE

5.1 Cleaning

- **Interior:** Clean regularly with a mild detergent and warm water. Rinse and dry thoroughly.
- **Exterior:** Wipe with a soft, damp cloth. Avoid abrasive cleaners.
- **Door Gasket:** The **Anti Bacterial Gasket** helps prevent mold and bacteria growth. Clean it regularly to maintain its effectiveness and ensure a tight seal.



Figure 10: The Anti Bacterial Gasket for hygiene.

- **Easy Clean Back:** The smooth back panel design simplifies cleaning and maintenance.



Figure 11: The Easy Clean Back design.

5.2 Defrosting

This is a Direct-Cool refrigerator with a **Manual Defrost System**. Frost will accumulate in the freezer compartment over time. When the frost layer becomes about 0.5 cm thick, manually defrost the unit:

1. Turn off the refrigerator and unplug it from the power outlet.
2. Remove all food items from the freezer and fresh food compartments. Store frozen items in an insulated container.
3. Leave the refrigerator door open to allow frost to melt naturally. Place towels at the bottom to absorb water.
4. Once all frost has melted, clean and dry the interior thoroughly.
5. Plug in the refrigerator and allow it to cool for a few hours before returning food.

6. TROUBLESHOOTING

Before contacting service, check the following common issues:

Problem	Possible Cause	Solution
Refrigerator not cooling	Power cord unplugged; temperature setting too warm; door not closed properly; excessive frost in freezer.	Check power connection; adjust temperature dial; ensure door is sealed; defrost the unit if necessary.
Excessive noise	Refrigerator not level; items vibrating inside; normal operating sounds (compressor, refrigerant flow).	Adjust leveling feet; rearrange items; normal sounds are not a fault.
Water on floor	Drain hole blocked; door not sealed properly.	Clear drain hole; check door gasket for proper seal.

If the problem persists after checking these points, please contact Samsung customer service.

7. SPECIFICATIONS



Figure 12: Refrigerator dimensions.

Feature	Detail
Model Number	RR20C1823CU/HL
Capacity	183 Liters (Total)

Feature	Detail
Fresh Food Capacity	165 Liters
Freezer Capacity	18 Liters
Energy Rating	3 Star
Compressor Type	Digital Inverter Compressor
Defrost System	Manual
Shelf Type	Toughened Glass (2 shelves)
Special Features	Freshroom, Grande Door Design, Stabilizer Free Operation (100v-300v), Smart Connect Inverter, Bio Fresh Zone, Bar Handle, Lock & Key, Easy Clean Back, Deep Door Guard, Clear View Lamp, Anti Bacterial Gasket, Base Stand Drawer
Dimensions (WxHxD)	54.9 cm x 130 cm x 64 cm
Net Weight	36 kg
Voltage	220 Volts
Country of Origin	India

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your Samsung refrigerator comes with a comprehensive warranty:

- **1 Year Comprehensive Warranty** on the entire product.
- **20 Years Warranty** on the Digital Inverter Compressor.

Please refer to the included Warranty Card for detailed terms and conditions.

8.2 Customer Support

For any service requests, technical assistance, or warranty claims, please contact Samsung customer support. You can find contact details on the Warranty Card or visit the official Samsung India website.