

WANAI BCD-100A-BLACK

WANAI 3.5 Cu.Ft Compact Refrigerator User Manual

Model: BCD-100A-BLACK

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using your new WANAI compact refrigerator. Retain this manual for future reference. Failure to follow these instructions may result in property damage or personal injury.

- **Electrical Safety:** Ensure the refrigerator is connected to a properly grounded 110V outlet. Do not use extension cords or ungrounded adapters.
- **Ventilation:** Allow adequate space around the refrigerator for proper air circulation (at least 4 inches on sides and back, 8 inches on top). Blocking vents can lead to overheating and reduced efficiency.
- **Flammable Materials:** Do not store explosive substances or flammable materials inside or near the refrigerator.
- **Children Safety:** Supervise children to ensure they do not play with the appliance. Old refrigerators can be dangerous for children; remove doors before disposal.
- **Cleaning:** Always unplug the refrigerator before cleaning. Use a soft cloth and mild detergent.
- **Placement:** Place the refrigerator on a firm, level surface away from direct sunlight or heat sources.

2. PRODUCT OVERVIEW

The WANAI 3.5 Cu.Ft Compact Refrigerator is designed for efficient and convenient food storage in various settings such as dorms, offices, garages, and bedrooms. It features a dual-door design for separate refrigeration and freezing compartments.

Key Features:

- **2-Door Design:** Separate freezer (1.0 Cu.Ft) and refrigerator (2.5 Cu.Ft) compartments.
- **7-Level Temperature Adjustment:** Precise control for both compartments.
- **Low Noise Operation:** Designed for quiet performance.
- **Reversible Doors:** Allows for flexible placement in any room layout.
- **Adjustable Removable Shelves:** For customizable storage.
- **LED Lighting:** Illuminates the interior for better visibility.

Product Components:

Dual-temperature Refrigerator



Figure 2.1: Interior layout with freezer and fresh food capacities, and temperature control knob.

- Freezer Compartment
- Refrigerator Compartment
- Adjustable Temperature Knob
- Removable Shelves
- Door Racks
- Adjustable Leveling Feet



Figure 2.2: Exterior dimensions of the refrigerator.

3. SETUP INSTRUCTIONS

3.1 Unpacking

1. Carefully remove all packaging materials, including foam and adhesive tape.
2. Inspect the refrigerator for any shipping damage. Report any damage to your retailer immediately.
3. Remove all internal accessories and clean them before use.

3.2 Placement

- Place the refrigerator on a strong, level floor that can support its weight when fully loaded.
- Ensure there is at least 4 inches (10 cm) of space on the sides and back, and 8 inches (20 cm) on top for proper ventilation.
- Avoid placing the unit in direct sunlight or near heat-generating appliances (e.g., oven, dishwasher).
- The refrigerator is suitable for use in various scenarios including kitchens, offices, apartments, dorms, and bedrooms.



Figure 3.1: Refrigerator application scenarios.

3.3 Leveling the Refrigerator

It is crucial for the refrigerator to be level for optimal performance and to prevent vibrations. Use the adjustable leveling feet at the bottom of the unit.



Figure 3.2: Adjustable leveling foot.

1. Turn the leveling feet clockwise to raise the refrigerator.
2. Turn the leveling feet counter-clockwise to lower the refrigerator.
3. Adjust until the refrigerator is stable and level.

3.4 Power Connection

After placement and leveling, wait at least 2-4 hours before plugging in the refrigerator. This allows the refrigerant to settle.

- Plug the power cord into a dedicated 110V, 60Hz, 3-prong grounded electrical outlet.
- Do not use an adapter or extension cord.

4. OPERATING INSTRUCTIONS

4.1 Temperature Control

The refrigerator features a 7-level adjustable thermostat knob located inside the fresh food compartment. The settings range from 1 (warmest) to 7 (coldest).



Figure 4.1: Temperature control knob.

- **Refrigerator Temperature Range:** 32°F to 50°F (0°C to 10°C).
- **Freezer Temperature Range:** 0°F to 32°F (-18°C to 0°C).
- For initial startup, set the knob to a medium setting (e.g., 4) and allow the refrigerator to cool for several hours before adding food.
- Adjust the setting as needed based on ambient temperature and desired food preservation.

4.2 LED Interior Lighting

The refrigerator is equipped with LED lighting to illuminate the interior, providing clear visibility of stored items.

- The LED light activates automatically when the refrigerator door is opened.
- No user adjustment is required for the LED lighting.

4.3 Storage Organization

Utilize the removable shelves and door racks to organize your food and beverages efficiently.



Figure 4.2: Organized interior demonstrating large capacity.

5. MAINTENANCE

5.1 Cleaning

Regular cleaning helps maintain hygiene and efficiency.

1. **Always unplug the refrigerator** before cleaning.
2. **Interior:** Wash the interior surfaces, shelves, and door racks with a solution of mild detergent and warm water. Rinse thoroughly and dry with a soft cloth.
3. **Exterior:** Wipe the exterior with a soft cloth dampened with mild detergent. Avoid abrasive cleaners or solvents.
4. **Door Gaskets:** Clean door gaskets regularly to ensure a tight seal.

5.2 Defrosting

This refrigerator features an automatic defrost system for the fresh food compartment. The freezer compartment may require manual defrosting if ice buildup becomes excessive.

- **Automatic Defrost:** The fresh food section defrosts automatically. Defrost water drains into a tray above the compressor and evaporates.
- **Manual Freezer Defrost:** If ice in the freezer compartment exceeds 1/4 inch (6 mm) thickness, manually defrost the unit.
- To manually defrost, unplug the unit, remove all food, and leave the freezer door open. Place towels on the floor to catch melting ice. Do not use sharp objects to remove ice.

5.3 Power Outage

- In case of a power outage, keep the refrigerator doors closed to maintain internal temperature for as long as possible.
- Avoid opening the doors unnecessarily.

6. TROUBLESHOOTING

Before contacting customer service, review the following common issues and solutions:

Problem	Possible Cause	Solution
Refrigerator does not operate	Not plugged in; circuit breaker tripped; temperature control set to OFF.	Ensure plug is secure; reset circuit breaker; turn temperature control to an active setting.
Temperature is not cold enough	Temperature control set too warm; door opened too frequently; warm food added; poor ventilation.	Adjust temperature to a colder setting; minimize door openings; allow hot food to cool before storing; ensure proper clearance around unit.
Excessive noise	Refrigerator is not level; parts are loose; unit touching a wall.	Adjust leveling feet; check for loose components; move unit away from walls.
Door does not close properly	Refrigerator is not level; door gasket is dirty or damaged; shelves are obstructing.	Level the unit; clean or replace gasket; rearrange shelves.
Water on floor	Drain pan overflowing; drain tube clogged.	Check and empty drain pan; clear any blockages in the drain tube.



Figure 6.1: The refrigerator is designed for low noise operation.

7. SPECIFICATIONS

Detailed technical specifications for the WANAI 3.5 Cu.Ft Compact Refrigerator.

Feature	Specification
Brand	WANAI
Model Name	BCD-100A-BLACK
Product Dimensions (D x W x H)	17.7" x 18.1" x 36"
Total Capacity	3.5 cubic feet
Fresh Food Capacity	2.5 cubic feet
Freezer Capacity	1.0 cubic feet
Number of Doors	2
Configuration	Compact 2-Door
Color	Black
Installation Type	Freestanding
Defrost System	Automatic (Refrigerator), Manual (Freezer)
Voltage	110 volts
Item Weight	48.5 pounds
Annual Energy Consumption	50 watts (Operating) / 549 Watts (Annual)
Shelf Type	Wire
Door Material Type	Stainless Steel
Cooling Method	Compressor
Energy Efficiency	Energy Star, 5 Star BEE Rating



Figure 7.1: Key technical specifications.

8. WARRANTY AND SUPPORT

8.1 Manufacturer's Warranty

This WANAI refrigerator comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

- The warranty does not cover damage resulting from misuse, accident, alteration, neglect, or unauthorized repair.
- Proof of purchase is required for all warranty claims.

8.2 Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact WANAI customer support. Refer to your purchase documentation or the WANAI official website for current contact information.

- When contacting support, please have your model number (BCD-100A-BLACK) and serial number ready.

