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Model: GKE550LED

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1. INTRODUCTION

Thank you for choosing the GGM Gastro GKE550LED Beverage Refrigerator. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new appliance. Please read this manual thoroughly before use and keep it for future reference.

The GKE550LED is a high-capacity, frameless beverage refrigerator designed for commercial use in bars, clubs, and similar establishments. It features a 550-liter capacity, a single glass door, and customizable RGB LED lighting with 7 different color options to enhance its visual appeal.



Figure 1.1: The GGM Gastro GKE550LED Beverage Refrigerator showcasing its frameless design and vibrant red LED lighting, filled with various beverages.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety precautions to prevent injury or damage to the appliance.

- **Electrical Safety:** Ensure the power supply matches the appliance's requirements (230V/50Hz). Do not use extension cords or adapters. Always unplug the unit before cleaning or maintenance.
- **Placement:** Place the refrigerator on a stable, level surface. Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Handling:** Due to its weight (approx. 125.63 kg), always use appropriate lifting equipment or assistance when moving the unit.
- **Refrigerant:** This appliance uses R600 refrigerant, which is flammable. Handle with care and ensure proper ventilation if a leak is suspected. Do not damage the refrigerant circuit.
- **Cleaning:** Use only mild, non-abrasive cleaning agents. Do not spray water directly onto electrical components.
- **Children:** Keep children away from the appliance, especially when the door is open.

- **Intended Use:** This appliance is designed for commercial beverage storage only. Do not store flammable or explosive materials inside.

3. SETUP

3.1 Unpacking

Carefully remove all packaging materials. Inspect the refrigerator for any signs of damage during transit. Report any damage to your supplier immediately.

3.2 Placement

Choose a location that is dry, well-ventilated, and away from direct sunlight or heat sources. Ensure there is sufficient space around the unit for air circulation. The external dimensions are approximately 670 mm (width) x 835 mm (depth) x 2140 mm (height).



Figure 3.1: External dimensions of the GKE550LED unit, indicating its height, depth, and width for proper placement planning.

3.3 Leveling

Use the adjustable feet at the bottom of the unit to ensure it is perfectly level. This is crucial for proper door sealing and efficient operation.

3.4 Shelf Installation

The refrigerator comes with 4 adjustable grids (shelves). Insert the shelf supports into the desired slots on the interior walls and then place the grids securely on the supports. Ensure shelves are level before loading products.





Figure 3.2: Interior view of the refrigerator, illustrating the adjustable shelf positions and internal LED strip lighting.

3.5 Power Connection

Connect the power cord to a grounded 230V/50Hz electrical outlet. Allow the refrigerator to stand for at least 2 hours before plugging it in to allow refrigerants to settle.

4. OPERATING INSTRUCTIONS

4.1 Initial Startup

After plugging in the unit, the compressor will start. Allow the refrigerator to cool down for several hours (e.g., 4-6 hours) before loading products to ensure it reaches the desired temperature.

4.2 Temperature Control

The refrigerator is equipped with a digital thermometer on the door for monitoring the internal temperature. Adjust the temperature settings using the control panel, typically located near the top interior or exterior of the unit. Refer to the specific control panel instructions for detailed temperature adjustment procedures.

4.3 LED Lighting Control

The GKE550LED features internal LED strips and LED lighting integrated into the door frame, offering 7 different colors: red, green, blue, white, yellow, cyan, and purple. Color adjustment is manual, typically via a button or switch on the unit. Cycle through the colors to select your preferred display.



Figure 4.1: A display of multiple GKE550LED units showcasing the variety of available LED lighting colors.



Figure 4.2: The GKE550LED unit illuminated with yellow LED lighting, demonstrating another color option.

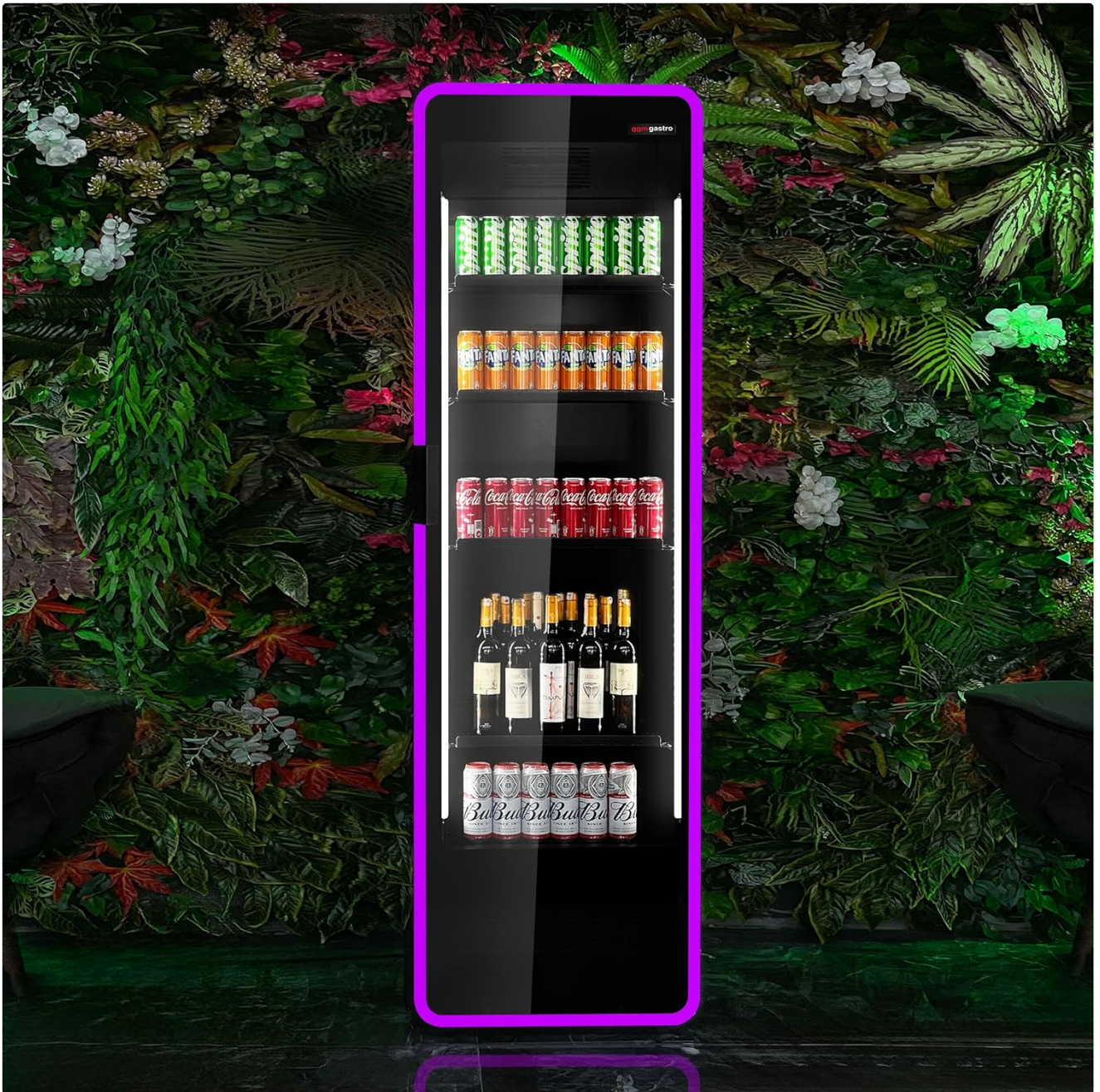


Figure 4.3: The GKE550LED unit illuminated with purple LED lighting, showcasing its customizable ambiance.

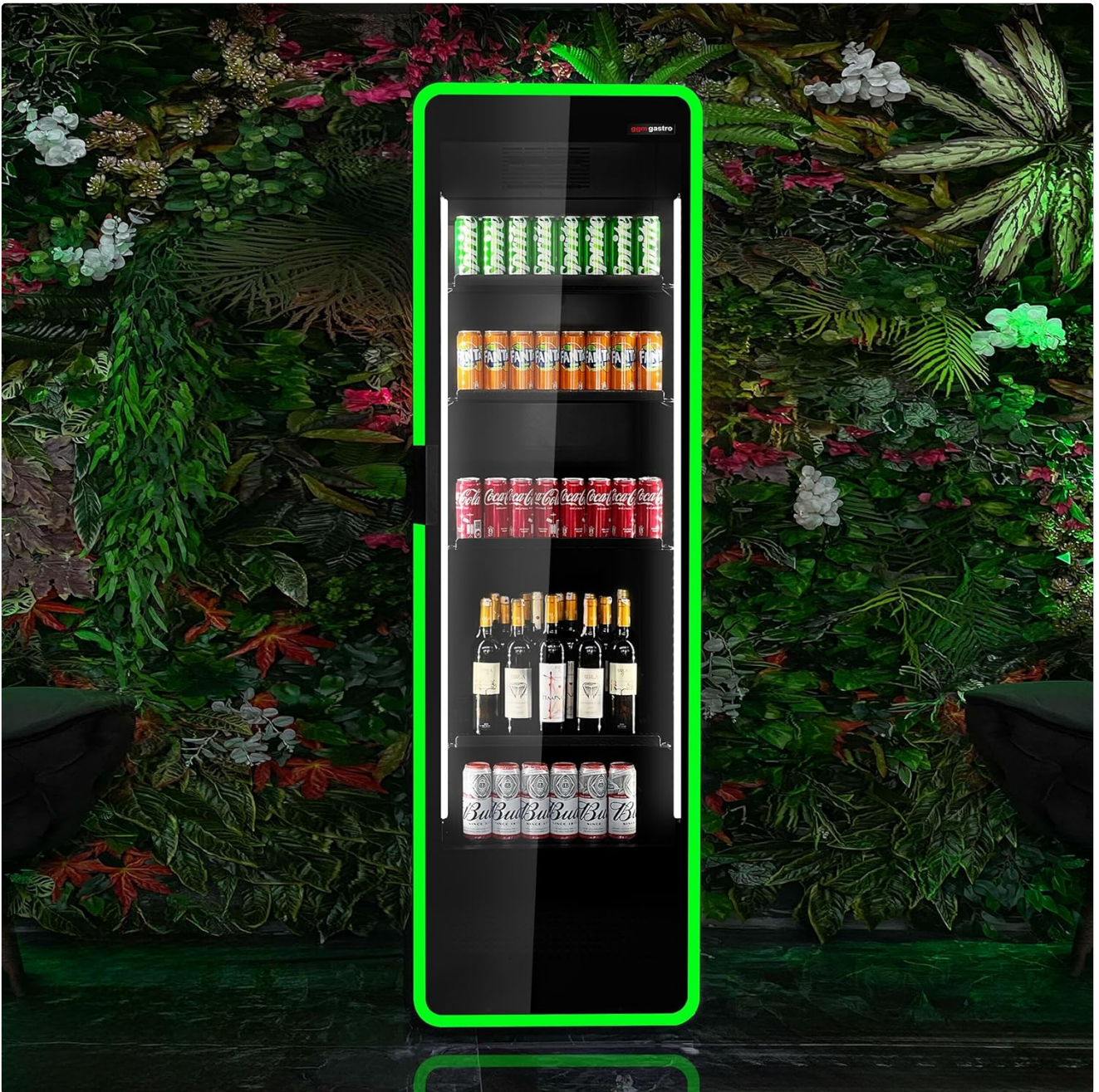


Figure 4.4: The GKE550LED unit illuminated with green LED lighting, providing another vibrant color choice.





Figure 4.5: The GKE550LED unit illuminated with white LED lighting, showing a classic and bright display option.

4.4 Loading Products

Distribute products evenly on the shelves. Do not overload the shelves or block the internal air circulation vents. The total capacity is 550 liters.

5. MAINTENANCE

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

5.1 Cleaning the Interior

Unplug the unit before cleaning. Remove all products and shelves. Clean the interior surfaces with a soft cloth and a mild, food-safe detergent. Rinse with clean water and dry thoroughly. Do not use abrasive cleaners or sharp objects.

5.2 Cleaning the Exterior

Wipe the exterior surfaces, including the glass door and door frame, with a soft cloth dampened with a mild cleaning solution. Dry immediately to prevent streaks. Pay attention to the ventilation grilles at the bottom and top of the unit, ensuring they are free from dust and debris.

5.3 Condenser Coil Cleaning

Periodically clean the condenser coils (usually located at the back or bottom of the unit) to maintain cooling efficiency. Use a brush or vacuum cleaner to remove dust and lint. This should be done by a qualified technician if access is difficult.

5.4 Door Seal Inspection

Regularly inspect the door gasket for cracks or damage. A damaged seal can lead to inefficient cooling and increased energy consumption. Replace if necessary.

6. TROUBLESHOOTING

Before contacting customer service, please check the following common issues:

Problem	Possible Cause	Solution
Refrigerator not cooling	No power supply Temperature setting too high Door not closed properly Condenser coils dirty Poor ventilation	Check power cord and outlet Adjust temperature setting lower Ensure door is fully closed and seal is intact Clean condenser coils Ensure adequate space around the unit
LED lights not working	Light switch off Loose connection LED module failure	Check light switch/button Inspect connections (unplug first) Contact qualified technician
Excessive noise	Unit not level Fan obstruction Compressor issue	Level the unit Check for obstructions around fans Contact qualified technician

7. SPECIFICATIONS

Feature	Detail
Model Number	GGM Gastro - GKE550LED
Capacity	550 Liters
External Dimensions (W x D x H)	670 mm x 835 mm x 2140 mm
Weight	125.63 kg
Electrical Connection	1 N/PE / 230 V / 50 Hz
Power Consumption	350 Watt
Refrigerant	R600 (CFC-free)
Number of Doors	1 (Right-hinged)
Internal Shelves	4 adjustable grids
LED Lighting Colors	Red, Green, Blue, White, Yellow, Cyan, Purple
Construction Material	Galvanized steel sheet (0.50 mm thick), Full glass door, Aluminum sides
Compliance	European food standards, Hygiene and safety directives, CE directive

8. WARRANTY AND SUPPORT

For specific warranty information and terms, please refer to the documentation provided with your purchase or contact GGM Gastro directly. Warranty periods and conditions may vary by region and product.

If you encounter issues that cannot be resolved using the troubleshooting guide, or for technical assistance, please contact GGM Gastro customer support. Have your model number (GKE550LED) and purchase details ready when contacting support.

For returns or issues related to your purchase from Amazon, please refer to Amazon's return policy and customer service guidelines.