

# IMPORTANT SAFETY INSTRUCTIONS

Warning: Keep ventilation openings in the appliance enclosure or built-in structure free from obstructions.

Do not use mechanical devices or other methods to accelerate the defrosting process, except those recommended by the manufacturer.

Do not damage the refrigerant circuit.

Do not use electrical appliances inside the food storage compartments unless they are specifically recommended by the manufacturer.

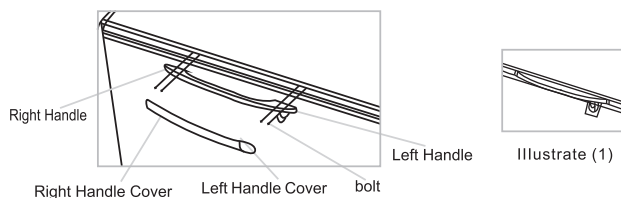
This appliance is not intended for use by individuals (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed by a person responsible for their safety.

If the supply cord is damaged, it must be replaced with a special cord or assembly available from the manufacturer or its authorized service agent.

Children must be supervised to ensure they do not play with the appliance.

## HANDLE INSTALLATION

Please Install The Handle According To The illustrate



## CHEST FREEZER

MODEL: LW-CHFR-145

LW-CHFR-210

LW-CHFR-295

LW-CHFR-390

LW-CHFR-450

LW-CHFR-495

LW-CHFR-575

website: [www.lightwaveglobal.com](http://www.lightwaveglobal.com)

## INSTRUCTION MANUAL

Please read this manual carefully and keep it in a location where it is always accessible to the user.

# SAFETY PRECAUTIONS 1

- To ensure proper use, please read these Safety Precautions thoroughly before operating the unit.
- The purpose of these precautions is to promote safe and correct usage, minimizing the risk of serious damage or injury to yourself or others.
- Safety notices are categorized as Warnings and Cautions:
- Warnings indicate situations where improper handling could result in death or serious injury.
- Cautions highlight risks that may lead to minor injury or damage to property.
- Please adhere strictly to both categories to ensure safe operation.

**⚠ WARNING** Improper handling of the unit could lead to death or serious injury.

**⚠ CAUTION** Improper handling of the unit could lead to serious results depending on the circumstances.

- Keep the manual in a safe place for future reference.

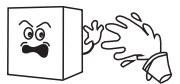
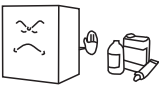
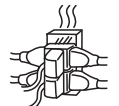
## ◆ PRECAUTIONS FOR INSTALLATION

### ⚠ WARNING

- !** Installation should be performed only by the dealer or a qualified expert. Attempting to install the unit yourself could result in water leakage, refrigerant leakage, electrical shock, or fire.

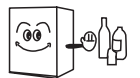
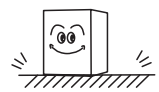
## ◆ PRECAUTIONS FOR USE

### ⚠ WARNING

|                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>⊘</b> Don't tamper</p> <p>All repairs, disassembly and modifications should be performed only by qualified technicians. Attempting to perform these yourself could result in a fire, malfunction or injury.</p>  | <p><b>⚡</b> ELECTRICAL SHOCK HAZARDS</p> <p>Do not splash water directly onto the product or wash it with water. Doing so may cause a short circuit or electrical leakage.</p>                                                                                           |
| <p><b>💣</b> Danger of explosion</p> <p>Never put flammable or volatile substances into the unit as explosion and fire could result.</p>                                                                              | <p><b>⊘</b> PROHIBITED</p> <p>Do not damage, modify, excessively bend, strain, twist or bundle up the power cord. Also, placing heavy objects on the power cord or squeezing it in a tight place could damage it, possible resulting in electrical shock or fire.</p>  |
| <p><b>⊘</b> Prohibited</p> <p>Use a dedicated wall outlet. Do not use extension cords or convenience receptacles as this could result in electrical shock, overheating and a fire.</p>                               | <p><b>🔥</b> FLAMMABLE</p> <p>Never use flammable spray cans or leave flammable substances near the unit. Sparks from electrical switches could result in explosion and fire.</p>                                                                                       |

# SAFETY PRECAUTIONS 2

## ⚠ WARNING

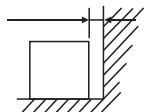
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>⊘</b> PROHIBITED</p> <p>Do not store bottles or cans in the unit. The contents may freeze, causing the containers to rupture and potentially result in injury.</p>                                                                                                                   | <p><b>!</b></p> <p>This unit is designed for storing ice cream and frozen foods only. Storing items other than those recommended may negatively affect the condition of the contents.</p>  <p>Ice cream, frozen foods</p>                                             |
| <p><b>⊘</b> PROHIBITED</p> <p>Indoor Use Only! Do not operate this unit in areas exposed to rain. Moisture may cause electrical leakage and result in electric shock.</p>                                                                                                                  | <p><b>⊘</b> PROHIBITED</p> <p>Never place heavy objects or items containing liquids on top of the unit. Falling objects may cause injury, and spilled liquids can compromise the insulation of electrical components, potentially leading to electrical leakage.</p>  |
| <p>Install the unit in a location where the floor is sturdy enough to support the load of the unit. If the floor is not sturdy enough or installation is incorrectly performed, the unit could tip over and falling shelves and products could cause personal injury.</p> <p><b>!</b></p>  | <p><b>⚠</b> CAUTION AGAINST EXPLOSION</p> <p>If you detect a gas leak, do not touch the chest freezer. Immediately shut off the gas supply and open doors or windows to ventilate the area. Gas leaks can lead to explosion, fire, or serious injury.</p>  <p>CAS</p> |
| <p><b>!</b></p> <p>Store the unit in a location where it is not exposed to rain. Using a unit that has been exposed to rain could result in electrical leakage and electrical shock.</p>                                                                                                  | <p><b>!</b></p> <p>To maintain optimal cooling performance, do not place the unit near heat sources such as hot plates, stoves, or in direct sunlight.</p>                                                                                                           |
| <p><b>!</b></p> <p>Leave disassembly and disposal of the unit to qualified experts.</p>                                                                                                                                                                                                  | <p><b>!</b></p> <p>If the unit requires temporary storage, do not place it in areas where children may play. Ensure the door cannot close completely to prevent the risk of a child becoming trapped inside.</p>                                                     |

# SAFETY PRECAUTIONS 3

## ⚠ WARNING

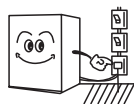
### WELL VENTILATED PLACE

Please ensure there is at least 10cm between the chest freezer and the wall.  
If there is no space, the cooling capacity will be compromised.



ELECTRICAL SHOCK HAZARDS

If installation in a damp location is unavoidable, also install an electrical leakage circuit breaker.  
If no electrical leakage circuit breaker is installed, electrical shock could result.



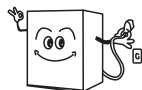
PROHIBITED

Never hang from the door or climb onto the unit.  
The unit could tip over or fall and cause material damage or injury.



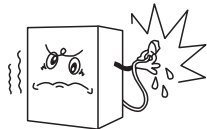
Disconnect power cord plug from wall outlet

Disconnect the power cord plug from the wall outlet before moving the unit and make sure that the power cord is not damaged during transportation. A damaged power cord could result in electrical shock and/or fire.



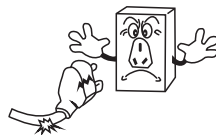
PROHIBITED

Never touch the power cord plug, other electrical components, or operate the switch with wet hands. Electrical shock could result.

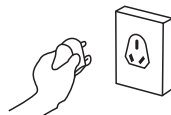


PROHIBITED

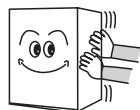
Never use if the power cord or plug is damaged or the plug cannot be firmly seated in the receptacle sockets as electrical shock, short-circuit and fire could result.



When disconnecting the power cord plug from the wall outlet, hold the plug's main body close to the outlet. Pulling the cord could cause wire breakage, possibly resulting in overheating and fire.



Make sure that the unit does not tip over or fall when it is moved. A falling unit could cause serious injury.



# HOW TO USE

## BEFORE USE

- Remove shipping packaging, tape, etc, and leave the lid open for ventilation for a while.
- The unit is cleaned before shipment. However, clean the compartment interior once after delivery.
- Following installation, refrigeration will start about 10 minutes after operation is started.
- Operate for about 2 hours to cool the refrigerator compartment before placing items in the freezer.

## WAIT 5 MINUTES OR MORE BEFORE RESTARTING

- Restarting the unit immediately after it has been turned off may cause fuses to blow and activate the circuit-breaker, the compressor may be overloaded, and/or other damage may occur.

## DEFROSTING

When approximately 5mm of frost has accumulated in the freezer, gently scrape and discard it.

For complete defrosting:

Remove all items from the freezer and unplug the power cord.

As the frost begins to melt, carefully scrape it to speed up the process.

Once defrosting is complete, drain any remaining water, wipe the interior dry, and securely replace the rubber cap on the drain bolt and internal drain.



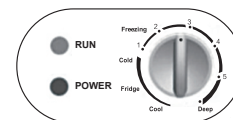
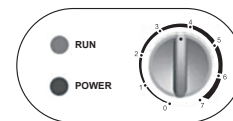
WARNING

Do not use tools such as hammers, knives, or bottles to defrost the chest freezer. Doing so may damage the internal evaporator, impair cooling performance, and cause stored items to thaw.  
Do not tamper with or damage the refrigerant circuit. Only store items recommended by the manufacturer.  
Do not place unauthorized or unsuitable items inside the freezer.



## Temperature Control and Quick-Freezing

- When the power cord is plugged in, the Power indicator will light up. The Working indicator shows that the compressor is running. When it turns off, the freezer has reached the set temperature and the compressor stops.
- Adjust the temperature using the control knob. The higher the number, the lower the temperature.  
Recommended operating range: Level 3 to 5.
- The control knob rotates clockwise or counterclockwise between 0 and 7.
- To close the freezer, turn the thermostat counterclockwise to 0.
- Do not rotate beyond Level 7.
- Single temperature series freezer, when used for refrigeration, temperature control knob to, set to the "Fridge" position interval.



## Storage and Frozen Food Guidelines

- Do not overload the freezer with warm food, as this may affect freezing performance.
- After connecting power, allow the compressor to run for 2–3 hours before adding food for the first time.
- Leave space between items to allow proper airflow and ensure even cooling.
- Do not store bottled or canned beverages below freezing temperatures to prevent frost damage or cracking.

# CLEANING


**WARNING**

To prevent any electrical shock hazards or injury by rotating circulation fan, always disconnect the power cord plug from the wall outlet before cleaning.

## 1 EXTERIOR AND COOLER COMPARTMENT

Wipe with a soft, dry cloth. If very soiled, wipe with a cloth that has been moistened with a detergent. Then wipe with a cloth that has been dipped in water.


**WARNING**

WARNING: Do not splash water directly onto the cooler and do not wash with water. Short-circuit and electrical shock could result.

- Clean the cooler regularly to keep it clean at all times.
- Never use polishing powder, soap powder, benzene, oil or hot water as these will damage the paint and plastic components.



## 2 DOOR

- Detach the door and wipe clean with a dry cloth.

# IN CASE OF THE FOLLOWING

## 1 POWER FAILURE

- Sudden power failure  
Keep opening and closing of the door to a minimum to prevent cold air from escaping from the freezer compartment. Covering exterior glass surfaces with a blanket, etc. will further help to maintain a low temperature.
- Announced power suspension  
In case of a long power suspension, place dry ice in the freezer compartment.
- Keep opening and closing of the door to a minimum.
- Avoid placing new items in the cooler as this will raise the temperature inside the compartment.

## 2 WHEN NOT USED FOR A LONG PERIOD

- Remove all items from the compartment and disconnect the power cord plug from the wall outlet.
- Clean the compartment interior and wipe away all water.  
To prevent mold formation and bad smell, leave the door open to dry the compartment completely.

## 3 WHEN NOT USED TEMPORARILY

- Insert a piece of wood between the door and the chest freezer to prevent it from closing completely.
- Do not place the chest freezer in areas where children may play. If a child climbs inside and the lid closes, they may become trapped and unable to escape.

# BEFORE REQUESTING SERVICE

Please check the following items if you encounter problems with the unit. If the problem continues after taking the proper remedial actions, disconnect the power cord plug from the wall outlet. Transfer the items stored in the cooler to a box or other container. Then contact the dealer from whom you purchased this unit and be ready to provide information as listed in REQUIRED INFORMATION below.


**CAUTION**

To prevent any electrical shock hazards, do not disconnect the power cord plug from the wall outlet with wet hands.

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No refrigeration at all                      | <ul style="list-style-type: none"> <li>  Is the power supply interrupted?</li> <li>  Is the power cord unplugged from the wall outlet?</li> <li>  Have the shop's power fuses blown or has the circuit breaker been activated?</li> <li>  Is the temperature control dial set to MAX?</li> <li>  If the unit is too cold, turn the dial toward OFF to adjust the temperature.</li> </ul>                                                                                                                                  |
| Inadequate refrigeration                     | <ul style="list-style-type: none"> <li>  Is the installation site poorly ventilated?</li> <li>  Is the freezer exposed to direct sunlight or placed near a heat source such as a stove or heater?</li> <li>  Are the lids being opened and closed frequently?</li> <li>  Are items stocked above the maximum load line?</li> <li>  Is the temperature control dial set to MAX?</li> <li>  If the unit is too cold, adjust the dial toward MIN.</li> <li>  Is excessive frost forming inside the chest freezer?</li> </ul> |
| Excessive noise                              | <ul style="list-style-type: none"> <li>  Is the floor beneath the freezer stable and level?</li> <li>  Is the unit shaking or rattling during operation?</li> <li>  Is the rear panel of the unit in contact with a wall or other surface?</li> <li>  Is there a container or object placed behind the chest freezer?</li> </ul> <p>Note: The compressor may produce a noticeable sound for a short period after startup. This noise will subside once the refrigeration cycle stabilizes.</p>                            |
| Condensation on cooler exterior              | <ul style="list-style-type: none"> <li>  Condensation may condense on the exterior and door during hot and humid days or depending on the place of installation. This occurs when the humidity is high and water particles in the air contact cold surfaces. This is normal. Wipe away condensation with a dry cloth.</li> </ul>                                                                                                                                                                                          |
| The circumference of chest freezer feels hot | <ul style="list-style-type: none"> <li>  During summer or when the unit begins operation, the exterior of the chest freezer may feel warm. This is normal and occurs because internal piping is designed to radiate heat and prevent condensation. This heat does not affect the condition of the stored items.</li> </ul>                                                                                                            |

Appliance sometimes stops running when the thermostat turns off.

# REQUIRED INFORMATION

Nature of malfunction  
(as accurately as possible)

Product number

Serial number

} (inscribed on badge)

Customer name,  
address.

Year and date of purchase

Desired date for service visit