

# ENGEL

## REFRIGERATOR OWNER'S MANUAL

MODEL

MT45J-G4L-R

MT60J-G4L-R

*Approved*

SAWAFUJI SAWAFUJI ELECTRIC CO., LTD.

*Atchul*  
*8/4/24*  
*✓*

Thank you for purchasing an ENGEL refrigerator. Read this manual carefully before starting to use it. Keep this manual in a safe place for future reference. If the product is resold, this operating manual must accompany it.





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## **1. Explanation of symbols**

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The following symbols are used in this OWNER'S MANUAL or on the refrigerator.

 <b>WARNING</b>	Failure to observe this instruction can cause fatal or serious injury.
 <b>CAUTION</b>	Failure to observe this instruction can lead to injury.
 <b>NOTICE</b>	Failure to observe this instruction can cause material damage and impair the function of the product.
 <b>WARNING</b>	Risk of fire insulation blowing gas. (CYCLOPENTANE)

## **2. Safety instructions**

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Read this manual carefully before starting to use the refrigerator. These instructions are safety measures for preventing accidents.

### **WARNING**

- This refrigerator can be used by children age 8 and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the refrigerator in a safe way and understand the hazards involved.
- Children shall not play with the refrigerator. Always keep and use the refrigerator out of the reach of children.

- Cleaning and user maintenance shall not be made by children without supervision.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this refrigerator.
- Never expose the refrigerator to rain.
- The refrigerator is suitable for camping use.
- Do not put a water-filled container. Water if spilled will degrade the insulation of electric components and may lead to a fire from electric leak.
- If the cable is damaged, it must be replaced to prevent the possibility of electric shock. It must be replaced with a new cord (ENGEL genuine products).
- Do not touch the inside and other metal parts of the cabinet with wet hands, as this may cause frostbite.
- Do not contact metal parts with positive terminal of battery.
- Cyclopentane is used as in the insulation. The gases in insulation material require a special disposal procedure with the applicable disposal regulations.
- Never disassemble the refrigerator by yourself. Inadequate repairs may lead to considerable hazards.
- To avoid burnout of wiring from battery to the refrigerator when a short circuit, install a 10A fuse in the wiring circuit, nearby the battery.
- Use the DC cord originally accompanying the refrigerator when operating it on DC. Be sure to fully insert the cigarette lighter plug into the socket. Failure to do so may lead to distortion of the socket and/or a fire due to overheating from loose connection.

- When replacing a fuse equipped inside the cigarette lighter socket, always use the Engel-exclusive fuse for replacement. Never use a wire or a lead instead. Doing so may lead to a fire from overheating.
- The fuse equipped inside the cigarette lighter plug has a direction indicated by the arrow printed on it. Make sure the arrow points to the right direction when replacing the fuse. Failing to do so would not let the fuse to blow when overheating, resulting in deformation of the plug and/or a fire.
- When the cigarette lighter plug comes in contact with water or salty substance, be sure to thoroughly wipe it off. Take extra caution when wiping off the head terminal of the plug. Water and salty substance, if remained on the tip of the cigarette lighter plug, will result in rust, causing poor conductivity and abnormal overheating and possibly lead to deformation of the plug and/or a fire.
- Do not touch the metal tip of the cigarette lighter plug. The whole body of the cigarette lighter plug becomes hot during operation even if the plug is securely inserted into the socket. The metal tip in particular will become hot enough to burn your finger.
- This refrigerator runs on both AC i.e. from wall outlet and DC such as battery. Do not attempt to run it on any voltage above the specified voltage, nor use it with any power source not specified here. Failing to comply will result in product failure or lead to a fire.
- When operating on AC, do not plug in to an extension cable or put too many plugs into one socket. Failure to comply will result in electric shock or a fire.
- When operating on AC, be sure to plug in securely. Poor

connection will result in electric shock or a fire.

- Clean the AC cord plug to remove dust from the terminals and their base. Dust on the plug will lead to a fire or electric shock from degraded insulation.
- Do not attempt to hang on the refrigerator door. Do not sit on the refrigerator while the door is open. Doing so may lead to injuries due to tumbled refrigerator or your fingers being caught in the door.
- Do not put heavy objects on the refrigerator. Doing so may lead to injury from falling objects when the door opens.
- Be sure that no part of the refrigerator body is pushing its power cable to bend it hard. The cable, when bent hard, may get damaged and lead to overheating and a fire.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- Avoid using flammable sprays near the refrigerator. The electrical contacts may catch a fire.
- When using the refrigerator in a trunk of the car, keep adequate ventilation. Failing to do so may overheat and damage the refrigerator and possibly lead to a fire.
- Do not store objects that require precise temperature control such as medicine and scientific specimens. This refrigerator is not suited to store such types of objects.
- When there is a leak of utility gas around you, do not touch the refrigerator or its cable plug. Open the windows and maintain good ventilation. Failing to do so may lead to a fire and/or a burn from explosion.

- When operating on a floor, securely fix the refrigerator so that it would not fall and cause injuries when encountering vibration such as earth quake.
- While the refrigerator is in operation, do not use a quick charger to charge the battery that is supplying power to the refrigerator. The high voltages generated from the charger may damage the refrigerator and lead to a fire.
- Do not damage or modify or bend hard or pull or twist or bundle the power cable. Do not have the power cable caught under or pinched with heavy objects. Doing so may damage the cable and possibly lead to a fire or electric shock.
- Do not use the refrigerator if its power cable is damaged or the catch of its plug is loose. Failing to comply may lead to an electric shock or short or fire.
- Do not use the refrigerator near a heated object or gas equipment. Doing so not only reduces cooling performance but would cause a fire when leakage of the utility gas.

 **CAUTION**

- Disconnect the refrigerator from the AC before cleaning and servicing it as well as after each use.
- Pay due attention to the polarity of the cigarette lighter plug; the center terminal must be connected to the positive line while the side contacts to the negative or earth.
- Be careful not to drop the refrigerator when carrying it. The refrigerator will be damaged if dropped and may also lead to injuries of yourself.
- Do not put fingers between the lid and body of the refrigerator. Doing so may lead to injuries when the door closes.

- Do not put living things such as pets in the refrigerator.
- Do not attempt to open or close the refrigerator door while driving a car. It may lead to an accident due to distracted driving.
- This refrigerator is suitable for cooling food. If you wish to cool medicines, check if the cooling capacity of the refrigerator is enough.
- Never use a battery charger or transformer or rectifier or battery eliminator or AC/DC converter to power the refrigerator. Doing so may damage the refrigerator.
- Never connect the refrigerator directly to the DC output of an engine generator set. Doing so will lead to poor cooling and may also damage the refrigerator due to the high voltages and surge pulse from the generator set. Utilize the AC output of an engine generator set, the AC output must be automatic voltage regulated. Contact your ENGEL dealer if there is any question regarding the use of an engine generator set to power the refrigerator.
- The pair of handles accompanying the refrigerator shall be securely fixed to the refrigerator. Poor installation may lead unexpectedly dropping the refrigerator during transportation, which may result in damage to or failure of the refrigerator and possible cause of injuries.
- Do not put a bagged cold pack whose inner material is leaking. Some of off-the-shelf bagged ice packs contain a type of chemical that corrodes the metal parts of the refrigerator. If such chemical is spilled in the refrigerator interior, wipe it off with a wet, soft cloth and wipe off again with a dry cloth.
- It is recommended to turn off the refrigerator when the



vehicle engine is shut off so as to keep the battery from running out.

- Take extra caution when transporting the refrigerator.
- If you wish to install and continuously use the refrigerator in a vehicle for commercial purposes, permanent vehicle installation and wiring is recommended as it would keep the cigarette lighter plug from being overheated and deformed. Refer to 6.2.2 Onboard direct wiring with optional kit also consult the ENGEL dealer nearest to you as needed.

**⚠ NOTICE**

- Check if the voltage noted on the type plate on the refrigerator matches the one applied by an external power source.
- If the voltage at the DC input terminals of the refrigerator falls below 11V, cooling performance will immediately decrease. Always keep the battery in good condition to ensure it is fully charged.
- Do not pull the wire of the cigarette lighter plug to when removing it from the socket.
- If used onboard a vehicle, fix the refrigerator firmly to the interior of the vehicle. Failing to do so may lead to injuries from a falling or moving fridge during abrupt acceleration and braking.
- Never use this refrigerator inside a refrigerated compartment of a refrigeration truck, where condensation easily occurs and water would drip onto the refrigerator and damage it.
- Careful putting glass bottles in the refrigerator. This may result in breakage of bottles due to external shock or vibration.

- Do not set below 0 °C except when storing frozen products such as frozen food, ice cream and ice. Doing so may result not only in beverages being undrinkable but explosion of cans and possible injuries.
- Do not use a knife, a screwdriver or any sharp object to remove frost from the refrigerator.
- Do not pour water in the refrigerator. Doing so will result in failure from water ingress into the insulation material or mechanical and electrical components. If water collects in the cabinet, wipe it off with a soft cloth.
- The refrigerator needs an adequate ventilation for optimized cooling performance. Insufficient space between the refrigerator and adjacent walls may reduce the cooling performance.
- To keep the battery from running out, unplug the cigarette lighter socket of the vehicle when the refrigerator is not in use.
- Food shall be kept in its original package or put in other suitable container when stored in the refrigerator.
- Overstuffing the refrigerator will result in insufficient cooling from poor circulation of cool air and may spoil the stored foods. Keep some spaces between the foods.
- Hot or warm food such as boiled product shall be stored after it gets cool enough.
- It is recommended to pack watery food or products with excessive fragrance when putting in the refrigerator.
- Pre-cool the food and drinks before putting into the refrigerator. This refrigerator is not capable of cooling food and drink in a short time. It is also recommended to pre-cool

inside the refrigerator cabinet before putting in any food.

- When the refrigerator is in operation, do not touch food or its containers, especially those made of metal, stored there with a wet hand. Doing so may lead to frostbite or other injury.
- Do not insert any metal other than the USB terminal into the USB port.
- When not using the USB port, close the cover to prevent dust from entering.

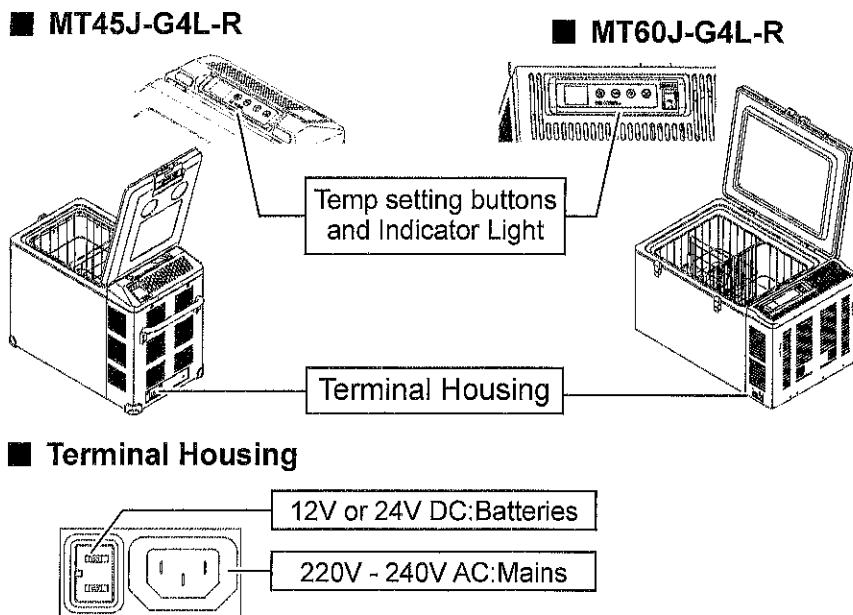
### 3. Intended use

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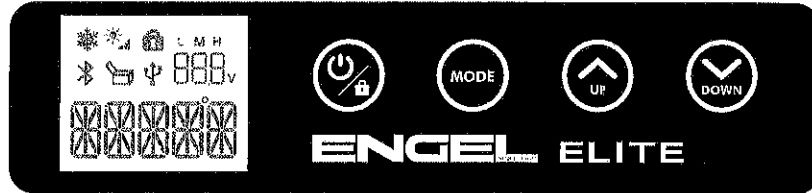
The refrigerator is suitable for use in cars, boats, caravans or RVs and is designed to operate an angle of less than 30° off level.










### 4. Controller and display

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## ■ Control Panel



Item	Description	Explanation
1		Switches the operation Lock or Unlock when the button is pressed. When fridge is ON mode, switches the fridge OFF mode when the button is pressed for 3 seconds. When fridge is OFF mode, switches the fridge ON mode when the button is pressed for 0.5 seconds.
2		Press the button to switch the mode of the setting. Normal ⇒ Temperature setting mode ⇒ Temperature unit setting mode ⇒ Battery monitor setting mode ⇒ Brightness setting mode ⇒ Buzzer setting mode ⇒ Password setting mode
3	Display	Shows the information  : Compressor is working  : Display brightness level  : Operation is locked  : Bluetooth in use  : Door is open  : USB port is activated  : Battery monitor level

3	Display	: Input voltage : Internal temperature
4		Press to navigate upwards or decrease the selected value. At this time, press the button for 2 seconds, it will automatically count up.
5		Press to navigate downwards or increase the selected value. At this time, press the button for 2 seconds, it will automatically count down.

#### ■ Lock / unlock the display

Press to select the operation Lock or Unlock.

#### ■ OFF mode

Press for 3 seconds to be switched OFF mode.

OFF mode : Display and Compressor, USB port for charging are OFF.

#### ■ Temperature setting mode

Temperature range - Achievable temperature from -18 to 10°C.

The temperature setting mode, the set temperature blinks. Select any temperature with the "UP" and "DOWN" buttons.

After pre-setting the temperature, the display will stop blinking (after a few seconds), indicating the temperature has been set (locked).

#### ■ Temperature unit setting (°C or °F ) mode

The temperature unit setting mode, the temperature unit blinks.

Select °C or °F with the "UP" and "DOWN" buttons.

After pre-setting the temperature unit, the display will stop blinking (after a few seconds), indicating the temperature unit has been set (locked).

### ■ Brightness setting mode

The brightness setting mode, the display brightness level blinks. Select "Br-Lo" or "Br-M1" or "Br-M2" or "Br-Hi" with the "UP" and "DOWN" buttons.

### ■ Buzzer setting mode

The buzzer operation setting mode, the buzzer operation status blinks.

Select "ON" or "OFF" with the "UP" and "DOWN" buttons.

When set to "OFF", the buzzer will not sound.

### ■ Password setting mode

Using the APP, you can set a password for Bluetooth connection with the refrigerator.

If you set a 4-digit number, you will be asked to enter the password when connecting via bluetooth. However, only when the password is "0000", the password is not requested. (default 0000)

The blinking number is the selected number, and each press of the "UP" button increases the selected number by one.

(0 → 1 → 2 → ... → 9 → 0)

Touching the "DOWN" button moves the selected number (blinking number) to the right digit.

## **5. Installation and Ventilation**

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The refrigerator shall be used in a dry area where there is no chance of being exposed to water splash or other types of liquids or direct sunlight or heat conducted from hot pipes, warm air outlets, cookers, etc.

The refrigerator should be positioned and secured on a solid surface in the vehicle.

Keep the refrigerator away from direct sunlight or a gas stove or heater or heat generating refrigerator.

Avoid installing your refrigerator close to hot water lines or warm air ducts.

Adequate ventilation and suitable distance from each wall (at least 150 mm) will enable optimized cooling performance and minimized power consumption.

## **6. Operation**

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Connect only to either of the following power sources:

- 220-240V AC from wall outlet (the mains)
- 12V or 24V DC battery.

AC and DC voltages may be connected simultaneously, when AC will be automatically selected if both voltages are applied.

### **ⓘ NOTICE**

Before starting to use your new refrigerator, its interior as well as exterior shall be thoroughly cleaned with a wet cloth to avoid hygiene issue.

## 6.1 Connection to 220V-240V AC

This refrigerator can be connected to a standard domestic power source by using the three-core lead accompanying the refrigerator. Insert the plug into the input terminal housing on the refrigerator. The refrigerator will start operating, so set it to any temperature.

## 6.2 Connection to 12V or 24V DC battery

Make sure the battery voltage matches with the voltage stated on the refrigerator label. If the battery voltage is too high it will damage the refrigerator.

### 6.2.1 Connection to DC cigarette lighter socket

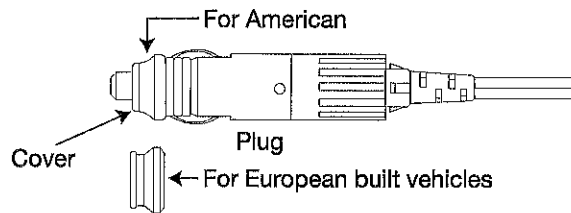
Use the included plug (DC cord) only with the models described in this instruction manual.

Insert the square moulded DC plug into the terminal housing on the refrigerator.

The other end of the cable has a cigarette lighter plug.

Ensure that the cigarette lighter socket is clean and free from dust, corrosion or other foreign objects.

To change the plug head type, refer to (Fig.1) below.



(Fig.1)

Insert the plug securely into the cigarette lighter socket to prevent it from coming loose. Loose connection may result in overheating which will damage the cigarette lighter socket.

Next, The refrigerator will start operating, so set it to any temperature.

To stop the refrigerator, remove the cigarette lighter plug from the socket.



**⚠ CAUTION**

The center terminal of the plug must be connected to the positive line while the side contacts to the negative or earth. If reversed connected, the unit will become inoperable.

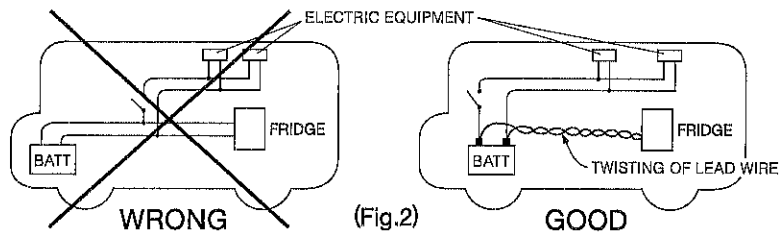
**6.2.2 Onboard direct wiring with optional kit**

1) Twisting lead wire

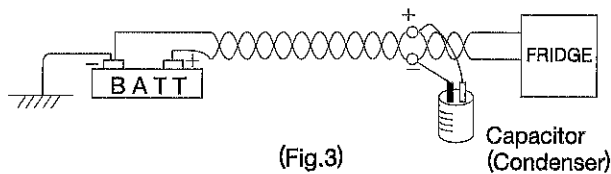
To further reduce the radio interference during DC operation, twist the negative and positive cables (use separate cables) together into a spiral form, between the battery and the DC outlet socket.

2) Connecting refrigerator directly to battery

Any switches and lead wires for other electrical equipment should not be shared with the wiring between the refrigerator and the battery. Other equipment can generate high voltage pulses which may cause transistor damage to the refrigerator power supply. (See Fig.2)



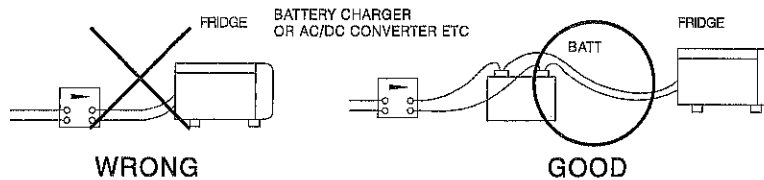
3) To prevent radio noise and avoid absorbing high surge frequency, insert a capacitor of 10000  $\mu$ -F as shown in (Fig.3) below.



- 4) Selecting the correct gauge for wiring is important to avoid voltage drop. Follow the chart below when wiring the refrigerator to the battery.

Distance between product and battery	Wire Gauge	
	DC 12 VOLT USE	DC 24 VOLT USE
Less than 6m (19ft.)	SWG#16 (AWG#14) / 2.1mm <sup>2</sup> or more	SWG#18 (AWG#16) / 1.25mm <sup>2</sup> or more
From 6m (19ft.) to 10m (32ft.)	SWG#14 (AWG#12) / 3.3mm <sup>2</sup> or more	SWG#16 (AWG#14) / 2.1mm <sup>2</sup> or more
More than 10m (32ft.) (Not recommended, too long)	SWG#12 (AWG#10) / 5.3mm <sup>2</sup> or more	SWG#14 (AWG#12) / 3.3mm <sup>2</sup> or more

- 5) Any switches and lead wire for other electrical equipment should not be shared with the wiring between your fridge and battery (other equipment sometimes generates high voltage pulses which may cause defects in the fridge power supply).



### 6.2.3 Wiring diagram of dual battery hookup

The wiring diagram shown below is recommended for dual battery hookup. (See Fig 4)

#### Battery protection

This fridge is equipped with a battery monitor cutting the compressor in order to protect the battery. The Battery monitor setting mode, the display will be blinking the current battery monitor state "OFF" or "L" or "M" or "H" (default OFF).

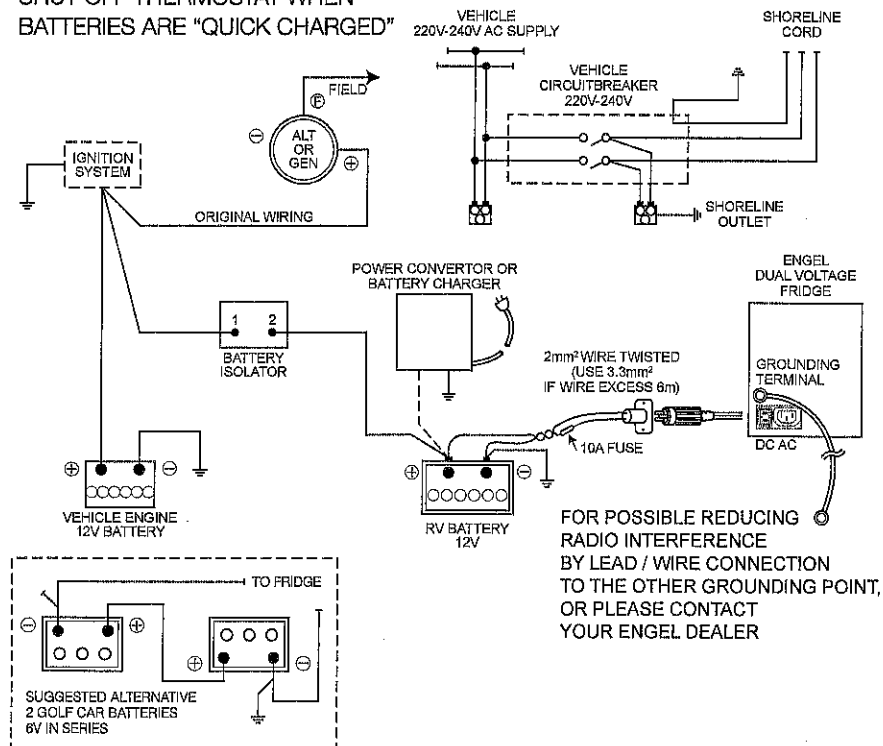
The "UP" and "DOWN" buttons during this mode will display the "OFF" ⇒ "L" ⇒ "M" ⇒ "H" change. After pre-setting the battery monitor, the display will stop blinking (after a few seconds), indicating the battery protection setting has been set (locked).

The value by each setting is shown on the below table. The battery monitor is not a necessary feature for the fridge to operate. It may be left in the off position all the time.

\* The table below shows the input voltage to the fridge, but it is for reference only. Depending on the operating environment, the figures may differ from those in the table below.

Battery monitor setting	Input voltage shown on the display			
	OFF	L	M	H
Compressor OFF 12V	-	9.6V	10.2V	11.0V
Compressor ON 12V	-	11.5V	12.1V	12.9V
Compressor OFF 24V	-	20.4V	21.6V	23.2V
Compressor ON 24V	-	23.0V	24.2V	25.8V

SHUT OFF THERMOSTAT WHEN BATTERIES ARE "QUICK CHARGED"




(Fig.4)

## **CAUTION**

To avoid damage to the refrigerator in the event of reverse polarity or short circuit, install a 10A fuse in the wiring circuit nearer to the battery.

### **6.3 LED light and Door open alarm**

This fridge is equipped with an LED light to illuminate the inside of the refrigerator. The LED light turns on when the door is opened and turns off when the door is closed. The alarm will sound if the door is not closed properly or has been left open for more than a minute. To stop alarm, close the door or touch one of the buttons. The display shows  while the door is open.

### **6.4 USB port for charging**

This fridge is equipped with USB port in order to charge small devices. Ex) mobile phone, tablet. Ensure the small device connected to the USB port is compatible with 5V / 2.1A operation.

### **6.5 Using the app**

This refrigerator is equipped with Bluetooth function for monitoring and control from your device. By installing the "ENGEL fridge" app on your device (smartphone or tablet) and connecting with Bluetooth, you can control the fridges operation plus more. You can download the app by searching for "ENGEL Fridge" from App store or Google Play. Please kindly note that the app may not work properly depending on the device you are using.



## **7. Maintenance of refrigerator**

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### **7.1 Cleaning interior and door**

Always disconnect the refrigerator from the power source before you clean or service it.

- Clean the interior with a cloth moistened with warm water and wipe again with a dry cloth.
- Clean the door of the refrigerator with a wet cloth.
- Clean the interior condenser to remove dirt (dust etc.) at regular intervals.

### **! NOTICE**

Never use a brush, powder soap, cleanser, acid, benzene, gasoline, or mineral thinners to clean the refrigerator, as these tend to leave scratches on the plastic coating and painting.

### **7.2 Defrosting**

Due to the humidity within the cabinet, frost will form on the evaporator surface after it has been used for a while.

Frost with as thick as 6mm or more (1/4in) will reduce cooling efficiency. To avoid this, the evaporator needs to be defrosted regularly.

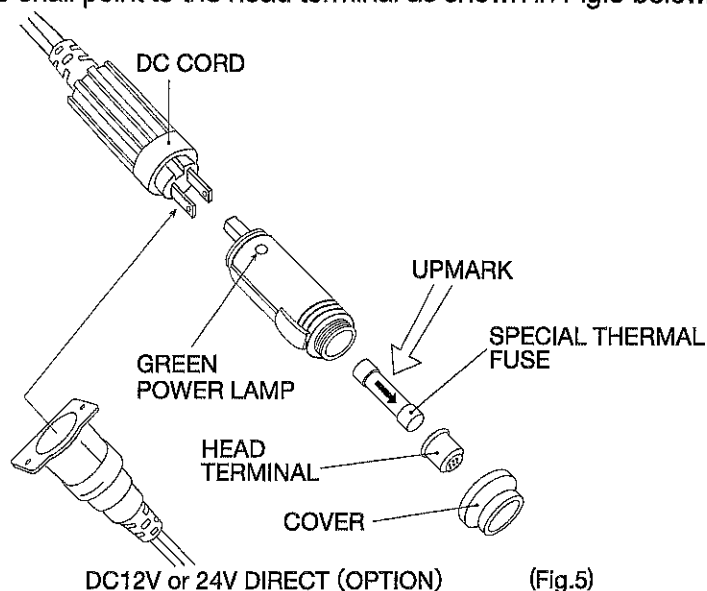
To defrost, turn off and unplug the refrigerator to allow for complete removal of frost from the evaporator.

### **7.3 Caution about fuse and replacement**

The cigarette lighter plug of the DC cord has a special thermal fuse inside which cuts off current during abnormal situations, e.g. overheated plug.

- 1) Remove the cover on the tip of the DC cord plug by turning it counterclockwise.

- 2) When removing the cover, also remove the head terminal and the fuse.
- 3) Pull out the fuse from the head terminal.
- 4) Replaced the fuse with a new one after making sure that its polarity direction is correct (Fig.5). Always use the special thermal fuse supplied through ENGEL dealer. The arrow printed on the fuse shall point to the head terminal as shown in Fig.5 below.



- 5) Re-assemble the DC cord plug in a reverse order of disassembly and tighten the cover firmly.
- 6) Check whether the refrigerator runs normally. If you encounter any further trouble, please contact an authorized ENGEL service agent near you.

**⚠ CAUTION**

Do not use conventional glass tube fuses. Use only those designed exclusively for ENGEL refrigerator and distributed through its dealers.

## 8. Trouble shooting

Fault	Possible cause	Action
Compressor not working	No power supplied	Check if power is supplied to electronic unit.
	Battery in poor condition.	Check fuse.
	Faulty electronic unit. Electronic unit failure	Check polarity of connectors and cables.
Interior not cold	Ambient temperature too high.	Keep refrigerator sufficiently ventilated.
	Insufficient ventilation Frost on evaporator	Defrost evaporator. (see 7.2 Defrosting)
	Condenser clogged	Clean condenser.
The power supply is not switched on. (Controller does not light up)	The cord is not plugged in.	Connect the cord to the power supply.
	Not switched on the fridge.	Switched on the fridge.
	The special thermal fuse in DC cord blown.	Change the special thermal fuse in the DC cord.
	Reverse battery connection.	Connect the battery correctly.

Error message will be displayed if the voltage of the battery is low or in the event of any malfunctions- (see next table).

When error message is displayed, the unit will be on "standby mode".

Operations will stop.

**Table**

ERROR CODE	DESCRIPTION	SOLUTIONS
Batte↔Low Alternate display 2s	Abnormal Input Voltage.	Check whether the power voltage is too low.
temp↔E-03 Alternate display 2s	Ambient Temperature is too hot.	Check whether the ambient temperature is too hot.
temp↔E-04 Alternate display 2s	Ambient Temperature is too low.	Check whether the ambient temperature is too low.
temp↔E-05 Alternate display 2s	Temperature sensor cord is shorted.	Contact service agent.
temp↔E-06 Alternate display 2s	Temperature sensor cord is opened.	Contact service agent.
volt↔E-07 Alternate display 2s	Abnormal Input Voltage (too high).	Check whether the power voltage is too high.

If the problem still persists after going through the chart above, consult an ENGEL service agent. Never disassemble the refrigerator by yourself. Inadequate repairs can lead to considerable hazards.

## **9. Disposal**

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### **WARNING**

- To prevent the risk of child entrapment inside the refrigerator, do the following before discarding it:
  - Remove the door from the refrigerator.
- This refrigerator should not be mixed with household waste when being disposed of.

If you wish to dispose of this refrigerator, contact your local authorities and ask for the correct method of disposal, or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.

Cyclopentane is used in the insulation, which requires a special disposal procedure. Contact your local authorities to find the environmentally safe disposal of the refrigerator.

## **10. Warranty**

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The statutory warranty period applies.

If the refrigerator is found to be defective, contact either of the agents whose contact information is found on page 29 of this manual or an ENGEL agent near your location.

For repair and warranty processing, have the following documents accompany the refrigerator.

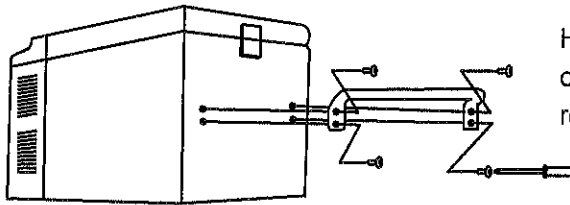
- A copy of the receipt with purchasing date
- Reason for the claim and/or description of the failure



## 11. Before initial use

Install a pair of handles found in the interior according to the following.

### ■ MT series



Handles can be screwed onto the sides of the refrigerator.

(Fig. 6)

## 12. Power cord list

A	AC CORD	ALL MODEL	
B	DC CORD	ALL MODEL	
C	DC CORD	BATTERY CORD (OPTION)	 PART OF DC CORD DC12V or DC24V DIRECT

## 13. Technical data

MODEL	MT45J-G4L-R	MT60J-G4L-R
Input voltage :	12/24V $\overline{\text{DC}}$ or 220-240V $\sim$ 50/60 Hz	12/24V $\overline{\text{DC}}$ or 220-240V $\sim$ 50/60 Hz
Rated current :	12V $\overline{\text{DC}}$ : 4.2 A * 24V $\overline{\text{DC}}$ : 2.2 A 220-240V $\sim$ : 0.4 A	12V $\overline{\text{DC}}$ : 4.8 A* 24V $\overline{\text{DC}}$ : 2.7 A 220-240V $\sim$ : 0.5 A
Cooling capacity :	+8°C to -18°C	
Energy consumption :	65 kWh/annum	74 kWh/annum
Gross volume :	45 L	68 L
Storage volume :	40 L	60 L
Climate class :	T(+16°C $\sim$ +43°C )	
Refrigerant :	HFC-134a	
Insulation blowing gas :	Cyclopentane	
USB charging port :	5V $\overline{\text{DC}}$ 2.1A	
Frequency range :	Bluetooth : 2402-2480 MHz	
RF output power :	Bluetooth : 5 dBm	
Bluetooth version :	5.0	
Dimensions WxDxH(mm) :	364 x 648 x 508 mm	520 x 802 x 441 mm
Weight :	24 kg	33 kg

\* About rated current : When USB is not used

MT45J-G4L-R : 12V  $\overline{\text{DC}}$  3.0A 24V  $\overline{\text{DC}}$  1.6A 240V  $\sim$  0.3A

MT60J-G4L-R : 12V  $\overline{\text{DC}}$  3.6A 24V  $\overline{\text{DC}}$  2.1A 240V  $\sim$  0.4A

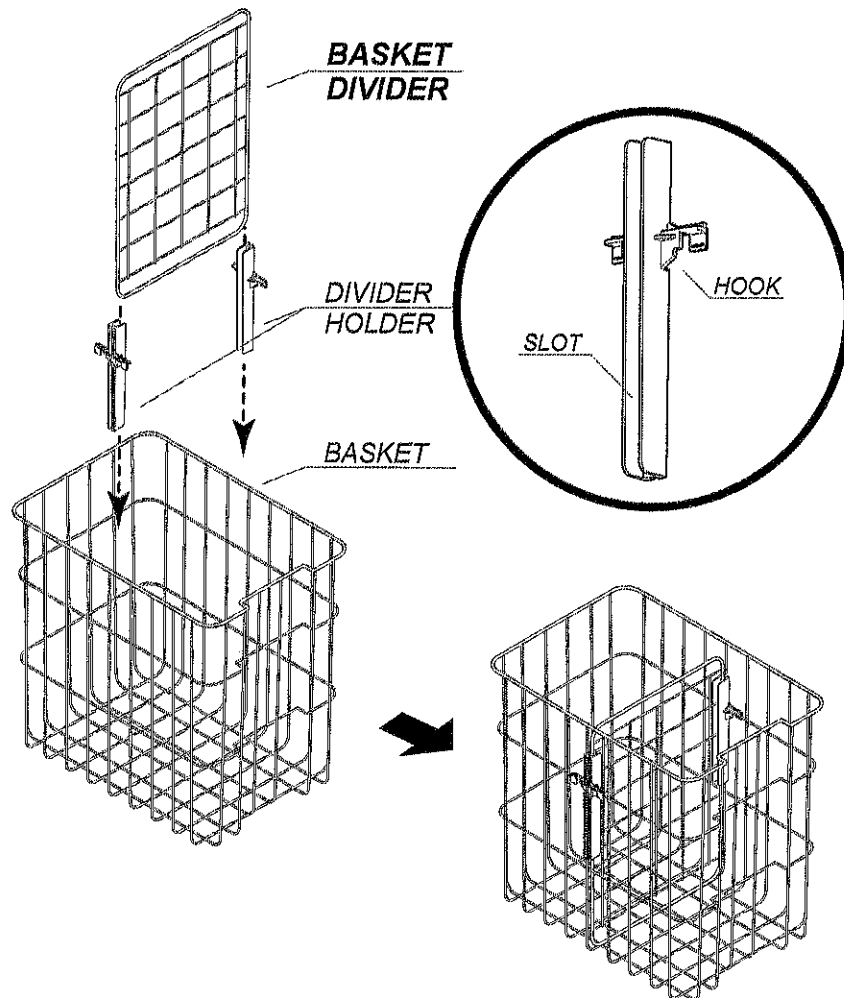
### ! NOTICE

The ambient temperature condition of this technical data is +32°C. The internal temperature of the refrigerator varies depending on the ambient temperature.

Refrigerant HFC-134a contained in the coolant.

## < APPENDIX > BASKET DIVIDER

BASKET DIVIDER can divide the basket at any position.  
The image is MT45.



### How to use

1. Fit the HOOK part of DIVIDER HOLDER to the wire of BASKET.
2. Set the BASKET DIVIDER in the SLOT of the DIVIDER HOLDER.





<AGENT in AUSTRALIA and NEW ZEALAND>

**ENGEL DISTRIBUTION PTY LTD.**

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**E-mail : admin@engelaustralia.com.au**

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"Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure."

ENGEL AUSTRALIA (Warrantor) warrant that they will repair free of cost or replace at their Capital City premises any part of the appliance which in their opinion is defective due to faulty materials or workmanship.

\*Calculated from the proven date of purchase the warranty period is:

**MT-ELITE Series**

**5 year :** Cooling Unit complete (Swing Motor, Condensor Evaporator)

**3 year :** Power Supply, Temperature Control Assembly, Thermistor/s, Fan Motor/s

**1 year :** Basket, Door Latch Assembly, Carry Handle/s, Cabinet Assembly, Basket separator, USB port

■ Specifically precluded from warranty is:

1. Damage caused as a result of connection to incorrect or fluctuating voltage supply.
2. Labour charge involved where sole cause of multifunction is a blown fuse.
3. Damage which in the opinion of the Warrantor is caused by faulty installation, normal wear and tear, misuse, dirt, neglect, accident or other similar causes.

■ The Warrantor does not accept any responsibility for:

1. Liability in respect of loss or expenses arising from the malfunction of this appliance.
2. Freight cost to our Capital City Service Centers.
3. The damage which may be incurred during transit to and from our Capital City Service Centers.
4. Repair to appliance on which modification or repairs have been carried out by persons not specifically nominated by the Warrantor as being authorized service personnel.

"Your attention is drawn to the fact that this warranty is authorized by ENGEL DISTRIBUTION PTY. LTD and cannot be varied by others.

Please staple your purchase receipt to this card. For your nearest service agent. Please call our Engel Customer Service Center Hotline on 1300 302 653

Address:	Engel Distribution Pty Ltd P.O. Box155 25 SILICA ST CAROLE PARK QLD 4300
Email Address:	<b>admin@engelaustralia.com.au</b>

Note: So that all relevant information is at hand in case of warranty repair, we suggest that this card is kept within easy reach (ie. glove box of vehicle or pocket of transit bag).

**Appliance Model No.**

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**Serial No.**

**Date Of Purchase.**

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