

[Manuals.plus](#) /

› [WITLIGHT](#) /

› WITLIGHT 25QT Portable Refrigerator User Manual

## WITLIGHT

# WITLIGHT 25QT Portable Refrigerator User Manual

Model: WTW25

## 1. PRODUCT OVERVIEW

---

The WITLIGHT 25QT Portable Refrigerator is a versatile and heavy-duty mini fridge designed for various applications, including RV travel, outdoor activities, and home use. It offers flexible power options, fast cooling capabilities, and a robust design for portability.



Figure 1: WITLIGHT 25QT Portable Refrigerator - Main View

This image displays the overall design of the WITLIGHT 25QT Portable Refrigerator, highlighting its yellow and black color scheme, integrated wheels, and control panel.

## Key Features:

- **Multiple Power Options:** Compatible with 20V lithium batteries (not included), 110-240V AC for home use, and 12/24V DC for vehicle use.
- **Large Capacity:** 24L (25 Quart) internal volume, capable of holding various beverages and food items.
- **Fast Cooling:** Achieves temperatures down to -4°F (-20°C) in approximately 1 hour.
- **Temperature Range:** Operates between -4°F (-20°C) and 68°F (20°C).
- **Battery Protection System:** Three levels (H/M/L) to prevent battery drainage.
- **Portability:** Equipped with durable wheels and a pull-rod handle for easy transport.
- **User-Friendly Design:** LED display, USB charging port, and low noise operation.



Figure 2: Key Components of the Portable Refrigerator

This diagram illustrates the main components of the refrigerator, including the 24L freezer compartment, sealing strip, cup holder, internal LED light, battery compartment, LED display, USB port, convenient handle, charging port, compressor type cooler, pull rod, pull chain fixture, and sturdy wheels.

## 2. SAFETY INSTRUCTIONS

---

- Read all instructions before operating the appliance.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not block the ventilation openings.
- Avoid exposing the unit to direct sunlight or heat sources.
- Do not immerse the unit in water or other liquids.
- Keep out of reach of children.
- Use only the provided power adapters (AC and DC).
- Do not operate if the power cord or plug is damaged.
- Unplug the unit before cleaning or maintenance.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance

by a person responsible for their safety.

## 3. SETUP

---

### Unpacking:

1. Carefully remove the refrigerator from its packaging.
2. Inspect the unit for any damage during transit. Contact customer support if damage is found.
3. Remove all packing materials, including any internal protective inserts.

### Power Connection:

The refrigerator supports three power input methods:

- **20V Lithium Battery (Not Included):** Insert a compatible 20V lithium battery into the designated battery compartment. Ensure it clicks securely into place.
- **110-240V AC (Home Outlet):** Connect the provided AC adapter to the refrigerator's AC input port, then plug the adapter into a standard wall outlet.
- **12/24V DC (Car Cigarette Lighter):** Connect the provided DC adapter to the refrigerator's DC input port, then plug the adapter into your vehicle's 12V or 24V cigarette lighter socket.



Figure 3: Power Supply Options

This image illustrates the three power options: battery power (battery not included), AC 100-240V home outlet, and DC 12V/24V cigarette lighter. Both AC and DC adapters are included in the package.

### Initial Use:

Before first use, it is recommended to clean the interior of the refrigerator with a damp cloth and mild detergent. Allow it to dry completely before placing food or beverages inside.

## 4. OPERATING INSTRUCTIONS

### Control Panel Overview:

The refrigerator features an LED display and control buttons for easy operation.

Your browser does not support the video tag.

Video 1: The Test of Cooling Function of Mellif Car Fridge

This video demonstrates the cooling capabilities and temperature adjustment of the portable refrigerator, showing the LED display and control buttons in action. It also shows the internal temperature dropping significantly.

### Temperature Setting:

- Use the + and - buttons on the control panel to adjust the desired temperature.
- The temperature range is from -4°F (-20°C) to 68°F (20°C).
- The LED display will show the current internal temperature and the set target temperature.

### Cooling Modes:

- **MAX Mode:** Provides rapid cooling for quick temperature reduction.
- **ECO Mode:** Optimizes energy consumption for longer battery life and reduced power usage.
- Switch between modes using the dedicated button on the control panel or via the mobile app.

### Battery Protection System:

The intelligent battery protection system prevents excessive battery discharge. There are three levels:

- **H (High):** Highest protection, cuts off power at a higher voltage to protect the battery.
- **M (Medium):** Moderate protection.
- **L (Low):** Lowest protection, allows for deeper discharge before cutting off power.

Adjust the battery protection level based on your power source and battery type to prevent drainage, especially when connected to a vehicle battery.



### RELIABLE ON-THE-GO COOLING WITH BATTERY PROTECTION FEATURE



#### VOITAGE REFERENCE

MODE	DC 12V		DC 24V	
	CUT OUT	CUT IN	CUT OUT	CUT IN
L	8.5V	10.9V	21.3V	22.7V
M	10.1V	11.4V	22.3V	23.7V
H	11.1V	12.4V	24.3V	25.7V

\* Factory Default Voltage Protection Level sets to be High level.

Figure 4: Battery Protection Voltage Reference

This table provides the cut-out and cut-in voltages for DC 12V and DC 24V inputs across the Low (L), Medium (M), and High (H) battery protection modes. The factory default voltage protection level is set to High.

### Smart App Remote Control:

The refrigerator can be controlled via a mobile application for convenience.

1. **Download App:** Scan the QR code provided in the manual or search for "CAR FRIDGE FREEZER" in your app store (Apple App Store or Google Play Store).
2. **Enable Bluetooth:** Turn on Bluetooth on your smartphone.
3. **Pair Device:** Open the app and search for nearby refrigerators. The app will prompt you to pair by pressing the set button on the refrigerator's control panel.
4. **Control:** Once paired, you can adjust temperature, switch modes, and monitor battery status directly from your phone.

## SMART APP REMOTE CONTROL

### Make it Convenient to Control Your Mini Fridge

#### SMART CONTROL - FRIDGE APP INSTRUCTIONS

**First Step:** Turn on the Bluetooth on your smart device; start the APP and click "Search" to find nearby fridges.

**Second Step:** Click fridge icon for Bluetooth pairing (the APP will prompt you to pair the fridge by pressing the set button on the fridge's control panel when connecting the fridge for the first time). After pairing, the APP will switch to the main interface allowing you to control the fridge.

- ① MENU
- ② Current temperature
- ③ Current voltage
- ④ Target temperature
- ⑤ Switch Left/Right compartment
- ⑥ SET
- ⑦ ON/OFF
- ⑧ Current battery
- ⑨ Temperature control
- ⑩ ECO(Energy-saving) / MAX(Fast-cooling)
- ⑪ Lock / Unlock
- ⑫ Celsius / Fahrenheit
- ⑬ Unpairing the device and return to search
- ⑭ Battery protection mode: High/Medium/Low

**Note:**  
\*Click the lock icon on the APP to lock/unlock the control panel on the fridge, if locked, the fridge can only be controlled by the APP.

#### Downloading the "CAR FRIDGE FREEZER" Application

iOS

Android

Scan the QR code on the left or search for the "CAR FRIDGE FREEZER" APP in the iTunes APP Store (for Apple devices) or Google Store (for Android devices).

Figure 5: Smart App Remote Control Interface

This image shows the mobile application interface for controlling the refrigerator, including temperature settings, cooling modes, and battery protection levels. QR codes for app download are also visible.

Your browser does not support the video tag.

Video 2: Mellif Car Refrigerator Overview

This video provides a brief overview of the Mellif Car Refrigerator, demonstrating its portability, battery installation, USB charging capability,

and app control features.

## 5. MAINTENANCE

---

### Cleaning:

- Always unplug the refrigerator before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
- Do not use abrasive cleaners or harsh chemicals.
- Ensure the unit is completely dry before reconnecting power.
- Clean the ventilation grilles regularly to ensure proper airflow.

### Storage:

- When storing the refrigerator for extended periods, ensure it is clean and dry.
- Store in a cool, dry place away from direct sunlight.
- If using a battery, remove it before long-term storage.

## 6. TROUBLESHOOTING

---

Problem	Possible Cause	Solution
Refrigerator not cooling.	No power supply. Temperature setting too high. Poor ventilation.	Check power connection (AC/DC/Battery). Lower the temperature setting. Ensure vents are clear and unit has space.
Unit not turning on.	No power. Battery drained. Power cable loose.	Recharge or replace battery. Securely connect power cables. Verify power source.
Temperature display error.	Sensor issue.	Restart the unit. If problem persists, contact customer support.
Excessive noise.	Unit not level. Fan obstruction.	Place on a flat, stable surface. Check for debris near fan.
App connection issues.	Bluetooth off. App not paired. Interference.	Ensure Bluetooth is enabled. Follow pairing instructions in Section 4. Move closer to the unit.

## 7. SPECIFICATIONS

---

Feature	Detail
Brand	WITLIGHT
Model Name	WTW25
Capacity	25 Quarts (24 Liters)

Feature	Detail
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Power Supply	20V Lithium Battery (not included), 110-240V AC, 12/24V DC
Product Dimensions (LxWxH)	20" x 13.1" x 16.5" (50.8cm x 33.3cm x 41.9cm)
Internal Dimensions (LxWxH)	12.5" x 9.8" x 12.4" (31.8cm x 24.9cm x 31.5cm)
Item Weight	13 Pounds (5.9 kg)
Noise Level	<45dB
Special Features	Portable, Cordless/Corded, Removable, Rechargeable Battery, Wheels, USB Port
Included Components	1 x Car Refrigerator, 1 x AC Adapter, 1 x DC Cord, 1 x User Manual

## 25QT / 24L LARGE CAPACITY CAR REFRIGERATOR



**44 CANS OF 330ML COLA**



**22 BOTTLES OF 550ML WATER**



**16 BOTTLES OF 750ML WINE**



Figure 6: Capacity and Dimensions Overview

This image visually represents the internal and external dimensions of the 25QT (24L) portable refrigerator, along with its capacity for various beverage sizes.



Figure 7: Portability Features

This image highlights the convenient pull rod and embedded handles, along with the durable wheels, designed for easy transport of the refrigerator across various terrains.

# MULTI-FUNCTIONAL FREEZER COMPRESSOR COOLER



Figure 8: Additional Features

This image showcases the multi-functional aspects of the cooler, including integrated cup holders on the lid and a convenient USB port for charging electronic devices.

## 8. WARRANTY AND SUPPORT

WITLIGHT provides a **5-year quality warranty** for this product. For technical support, warranty claims, or any inquiries, please refer to the contact information provided in the included user manual or visit the official WITLIGHT website. Please retain your proof of purchase for warranty validation.