QIRDLP f24e8835-b221-40c0-a1bd-6323c1dd9af4

QIRDLP Insulin Cooler Travel Box Mini Celsius User Manual

Model: f24e8835-b221-40c0-a1bd-6323c1dd9af4

1. Introduction

Thank you for choosing the QIRDLP Insulin Cooler Travel Box. This device is designed to maintain a stable temperature range of 2°C to 8°C (35.6°F to 46.4°F) for temperature-sensitive medications such as insulin, eye drops, and serums. Its portable design makes it suitable for travel, home use, and various other occasions. Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. Safety Information

- Do not cover the ventilation slots during operation to prevent overheating.
- Do not immerse the device in water or use it in high-temperature environments.
- Keep the device away from direct sunlight and heat sources.
- Ensure the lid is securely closed to maintain the internal temperature.
- Store medications separately to avoid cross-contamination.
- Keep out of reach of children.
- Use only the provided power adapters and batteries.
- If any issues arise, contact customer support immediately. Do not attempt to repair the device yourself.

3. Package Contents

Verify that all items are present in the package:

- QIRDLP Insulin Cooler Travel Box (Mini Celsius)
- USB Cable
- Wall Charger (AC Adapter)
- Rechargeable Lithium-Ion Batteries (2 pcs)
- User Manual

4. Product Overview

Familiarize yourself with the components of your QIRDLP Insulin Cooler Travel Box.



Figure 4.1: Front view of the QIRDLP Insulin Cooler Travel Box, displaying the LED intelligent touch screen with temperature reading and control buttons.



Figure 4.2: Detailed dimensions of the cooler box, showing external measurements of 215mm x 150mm x 62mm and internal storage space of 192mm x 60mm x 25mm.



Figure 4.3: The internal compartment of the cooler, demonstrating capacity for approximately three insulin pens.

5. Setup

5.1 Battery Installation

1. Locate the battery compartment on the device.
2. Insert the two provided Lithium-Ion batteries, ensuring correct polarity.
3. Close the battery compartment cover securely.

5.2 Initial Charging

Before first use, fully charge the device for optimal battery performance.

1. Connect the USB cable to the cooler box.
2. Connect the other end of the USB cable to the wall charger.
3. Plug the wall charger into a standard electrical outlet (110-240V).
4. The LED display will indicate charging status. Allow several hours for a full charge.



Figure 5.1: Illustration of multiple charging methods, including home charger, USB cable, portable power bank, car USB charger, and airplane USB charger.

6. Operating Instructions

6.1 Powering On/Off

- To power on: Press and hold the power button () on the LED touch screen until the display illuminates.
- To power off: Press and hold the power button () until the display turns off.

6.2 Setting Temperature

The device features an LED intelligent touch screen for temperature control.

- Use the **+** and **-** buttons on the touch screen to adjust the desired temperature.
- The recommended temperature range for most medications is 2°C to 8°C.
- The display will show the current internal temperature.



Figure 6.1: The LED touch screen interface for temperature adjustment and an overview of the cooler's capacity.

6.3 Placing Medications

1. Open the lid of the cooler box.
2. Carefully place your temperature-sensitive medications inside the cooling compartment.
3. Ensure medications are not blocking the internal cooling elements or ventilation.
4. Close the lid firmly to maintain the desired temperature.



Figure 6.2: The cooler box with the lid open, demonstrating how medications are placed inside. The device can achieve 2°C in approximately 10 minutes.

6.4 Travel Considerations

The QIRDLP Insulin Cooler is designed for portability and can be used in various travel scenarios.

- **Car Travel:** Use the car USB charger for continuous power.
- **Air Travel:** The portable battery complies with civil aviation standards (single lithium battery < 20000mAh). Always check with your airline for specific regulations regarding medical devices and batteries.
- **Other Transport:** Suitable for trains, buses, and other forms of transportation.



Figure 6.3: The cooler box in different travel environments, highlighting its versatility for maintaining medication temperature on the go.



Figure 6.4: The optional carrying bag for the cooler, designed for convenient transport and protection.

7. Charging and Power Supply

The QIRDLP Insulin Cooler offers multiple power options for flexibility.

- **Rechargeable Batteries:** The device includes two 3.7V Lithium-Ion batteries. A full charge provides approximately 4-6 hours of operation.
- **USB Charging:** Use the provided USB cable to charge via any standard USB port, such as a power bank, car USB charger, or airplane USB port.
- **Wall Charger:** For home or hotel use, connect the USB cable to the wall adapter and plug into an AC 110-240V outlet.



Figure 7.1: Visual representation of the different charging methods available for the cooler box.

8. Maintenance

- **Cleaning:** Wipe the exterior and interior with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** When not in use for extended periods, ensure the device is clean, dry, and fully charged. Store in a cool, dry place.
- **Battery Care:** Recharge batteries regularly, even if not in use, to prolong their lifespan.
- **Ventilation:** Periodically check that the ventilation slots are clear of dust and debris.

9. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery or no power connection.	Charge the device using the wall adapter or check battery installation.
Temperature not reaching desired level.	Lid not closed properly; ventilation blocked; ambient temperature too high.	Ensure lid is sealed. Clear ventilation slots. Move device to a cooler environment if possible.

Problem	Possible Cause	Solution
Short battery life.	Batteries not fully charged; old batteries; frequent opening of lid.	Ensure batteries are fully charged. Consider replacing old batteries. Minimize lid openings.
Unusual noise during operation.	Fan obstruction.	Check for any obstructions near the fan. If noise persists, contact customer support.

If the problem persists after attempting these solutions, please contact QIRDLP customer support for assistance.

10. Specifications

Feature	Detail
Model Number	f24e8835-b221-40c0-a1bd-6323c1dd9af4
Temperature Range	2°C - 8°C (35.6°F - 46.4°F)
Cooling Time	Approximately 10-15 minutes to reach 2°C from room temperature.
Power Supply	USB (5V), Wall Adapter (AC 110-240V), 2x Lithium-Ion Batteries (3.7V)
Battery Life	Approx. 4-6 hours (on full charge)
Item Weight	3.63 pounds (approx. 1.65 kg)
Package Dimensions	10.71 x 10.67 x 5.16 inches (approx. 27.2 x 27.1 x 13.1 cm)
Internal Dimensions	192mm x 60mm x 25mm (approx. 7.56 x 2.36 x 0.98 inches)
Material	Stainless Steel (door material type)
Certification	UL Certified

11. Warranty and Support

QIRDLP is committed to providing quality products. For warranty information, technical support, or any questions regarding your Insulin Cooler Travel Box, please refer to the contact information provided with your purchase or visit the official QIRDLP website. Please retain your proof of purchase for warranty claims.
For assistance, please contact QIRDLP customer service.

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