

## NORTHCLAN YT-A-15X

# NORTHCLAN 15L Mini Fridge User Manual

**MODEL: YT-A-15X**

Thermoelectric Cooler and Warmer

### 1. Introduction

Thank you for choosing the NORTHCLAN 15L Mini Fridge. This versatile appliance is designed to keep your items cool or warm, making it ideal for home, office, bedroom, car, and travel use. Please read this manual thoroughly before operation to ensure proper use, maintenance, and safety.

### 2. Safety Information

- Ensure proper ventilation around the unit. Do not block air vents.
- Do not immerse the unit in water or other liquids.
- Keep out of reach of children.
- Unplug the unit before cleaning or if not in use for an extended period.
- Do not use if the power cord or plug is damaged.
- Avoid placing hot items directly into the cold mode or vice versa without allowing a transition period (approx. 30 minutes with unit off).
- The unit produces white noise from its fan during operation. This is normal.

### 3. Package Contents

- NORTHCLAN 15L Mini Fridge Unit
- AC Power Cord (110V for home use)
- 12V DC Car Charge Plug

- Removable Internal Shelf
- User Manual

## 4. Product Overview

The NORTHCLAN 15L Mini Fridge (Model: YT-A-15X) is a compact and portable thermoelectric appliance with both cooling and warming capabilities. It features a convenient carry handle for easy transport.



Figure 4.1: NORTHCLAN 15L Mini Fridge (Closed View)

## Key Features:

- **15 Liter Capacity:** Can store up to 21 standard 330ml cans.
- **Dual Functionality:** Easily switch between cooling and warming modes.
- **AC/DC Power:** Operates on 110V AC for home/office use and 12V DC for car/travel use.
- **Portable Design:** Equipped with a built-in carry handle.
- **Removable Shelf:** Allows for flexible storage of items of various heights.
- **Door Basket:** Provides additional storage space on the inner door.
- **Buckle Design:** Secure door lock helps maintain internal temperature.



## 15 LITER LARGE CAPACITY



330ml\*21 Cans



2L\*4 Bottles



380\*15 Milks

Figure 4.2: Capacity and Dimensions



## REMOVABLE SHELF

For more storage space

## SIDE SHELF

Extra storage space for the masks

## BUCKLE DESIGN

Better maintain the internal temperature of the mini fridge

Figure 4.3: Internal Features (Removable Shelf, Side Shelf, Buckle Design)

## 5. Setup

1. **Unpack the Unit:** Carefully remove the mini fridge and all accessories from the packaging. Retain packaging for future storage or transport.
2. **Choose a Location:** Place the mini fridge on a flat, stable surface. Ensure there is adequate ventilation

around the unit (at least 2-3 inches of space on all sides, especially the back where the fan is located). Avoid direct sunlight or heat sources.

**3. Connect Power:**

- **For Home/Office (AC 110V):** Ensure the 'HOT' and 'COLD' switches on the back are in the 'OFF' position. Connect the AC power cord to the unit's AC input and then to a standard wall outlet.
- **For Car/Travel (DC 12V):** Ensure the 'HOT' and 'COLD' switches on the back are in the 'OFF' position. Connect the 12V DC car charge plug to the unit's DC input and then to your vehicle's 12V cigarette lighter socket.

**4. Initial Operation:** After connecting power, select your desired mode (COLD or HOT) using the switches on the back panel. Allow 30 minutes for the unit to reach its optimal temperature.



Figure 5.1: AC and DC Power Connections

## 6. Operating Instructions

### 6.1. Cooling Mode

- Ensure the unit is connected to the appropriate power source (AC or DC).
- Flip the 'COLD' switch to the 'ON' position. The green indicator light will illuminate.

- The fridge will cool items to 59-68°F (15-20°C) below ambient temperature, reaching as low as 37.4°F (3°C).
- For best results, pre-chill items before placing them in the fridge.

## **6.2. Warming Mode**

- Ensure the unit is connected to the appropriate power source (AC or DC).
- Flip the 'HOT' switch to the 'ON' position. The red indicator light will illuminate.
- The fridge will warm items up to 149°F (65°C).
- This mode is ideal for keeping food warm, not for heating cold food.



Figure 6.1: Cooling and Warming Functions

### 6.3. Loading and Storage

- The internal shelf is removable. Slide it out if you need to store taller items.
- Utilize the door basket for smaller items like skincare products or medical face masks.

# SKINCARE FRIDGE

Perfectly protect your cosmetics to be fresh



Figure 6.2: Skincare Product Storage

## Solve mom's troubles

Baby food can be refrigerated separately, which is very convenient whether at home or going out



Figure 6.3: Baby Food Storage

Video 6.1: Official product video demonstrating the 15 Liter Mini Fridge's capacity for beverages and its suitability for various environments like bedrooms, offices, cars, and road trips. The video showcases how the fridge can store multiple cans and bottles, and its portability features.

## 7. Maintenance

### 7.1. Cleaning

- Always unplug the unit before cleaning.
- Wipe the interior and exterior with a soft cloth and mild detergent.
- Do not use abrasive cleaners or harsh chemicals.
- Ensure the unit is completely dry before plugging it back in.

### 7.2. Defrosting

- While the unit features automatic defrost, ice buildup may occur, especially with frequent opening or in humid environments.
- If ice buildup is observed, unplug the unit and allow the ice to melt naturally.
- Wipe away any melted water with a clean cloth.

### 7.3. Storage

- When not in use, ensure the unit is clean and dry.
- Store in a cool, dry place away from direct sunlight.

## 8. Troubleshooting

| Problem                                | Possible Cause                                                                       | Solution                                                                                     |
|----------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Unit not cooling/warming               | Power cord not properly connected;<br>Power switch is OFF; Insufficient ventilation. | Check power connections; Ensure 'COLD' or 'HOT' switch is ON; Clear obstructions from vents. |
| Excessive noise                        | Fan operation; Unit placed on an uneven surface.                                     | Normal operation noise; Ensure unit is on a flat, stable surface.                            |
| Ice buildup inside                     | Frequent door opening; High humidity;<br>Overloading.                                | Unplug and defrost the unit; Avoid leaving door open for extended periods.                   |
| Temperature not reaching desired level | Ambient temperature too high/low;<br>Overloading.                                    | Thermoelectric units are affected by ambient temperature; Do not overload the unit.          |

## 9. Specifications

| Feature             | Specification                                                      |
|---------------------|--------------------------------------------------------------------|
| Brand               | NORTHCLAN                                                          |
| Model Number        | YT-A-15X                                                           |
| Capacity            | 15 Liters                                                          |
| Power Input         | AC 110V, DC 12V                                                    |
| Cooling Temperature | Cools to 37.4°F (3°C); 59-68°F (15-20°C) below ambient temperature |

| Feature             | Specification                  |
|---------------------|--------------------------------|
| Warming Temperature | Heats up to 149°F (65°C)       |
| Item Weight         | 8.62 pounds                    |
| Product Dimensions  | 12.2 x 9.8 x 16.53 inches      |
| Noise Level         | White noise from fan operation |
| Defrost System      | Automatic                      |

## 10. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact NORTHCLAN customer service directly. Keep your purchase receipt as proof of purchase.