

Cold as Ice Intelligent Refrigerator

USER'S MANUAL



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PRODUCT DESCRIPTION

Congratulations on your purchase of the Cold as Ice Intelligent Refrigerator! This product, while being compact and easy to use, possesses many enhanced features that usher home refrigeration into the new generation of interactivity and remote usability. With its revolutionary design, you can now maintain a running inventory of the contents of your fridge, adjust cabinet temperature with the push of a button, and even be reminded in real-time of food expirations. These days, consumer electronics demand that new products utilize recent technological advances to make home appliances smarter, more capable, and more interactive. The Cold as Ice Intelligent Refrigerator employs the latest developments in Radio Frequency Identification and is able to communicate with the internet in order to allow remote user interaction. All this is accomplished with a minimum of added expense. And don't forget, beneath it all, you now own a sturdy, durable, compact refrigerator with a freezer section, tall bottle storage, removable wire shelf, and a smooth, rounded door design. Need a refrigerator with advanced functionality that's still easy to use? Need a compact fridge that will fit easily in the corner and is easy on the pocketbook? Foreigner is proud to offer the perfect solution with the Cold as Ice Intelligent Refrigerator.

Product Features

- Capacity: 1.7 cu. ft.
- Color: White
- Description: Cube Compact Refrigerator
- Digital LCD Display
- Electronic Temperature Control
- 4-button keypad for easy user interface
- RFID (Radio Frequency Identification) to keep track of stored foods and monitor expiration dates
- Built in Ethernet capability for remote inventory management and temperature control
- Polyurethane foam insulated cabinet and door
- Baked acrylic white door and cabinet
- Magnetic door gasket
- Reversible Door Hinge for left or right opening
- Integrated Handle
- 1 Slide-out Shelf for Storage Versatility
- Front Mount Temperature Control
- Tall Bottle Door Storage holds 2 liter bottles
- Freezer Section
- Smooth Back and Rounded Door Design
- Unit width (inch/cm): 18.5 / 47
- Unit depth (inch/cm): 19.75 / 50.2
- Unit height (inch/cm): 19.06 / 48.

PRODUCT ILLUSTRATIONS

The following section will illustrate and describe the major components of the Cold as Ice refrigerator.

1. Refrigerator Layout

The Cold as Ice external layout is described below in Figure 1:

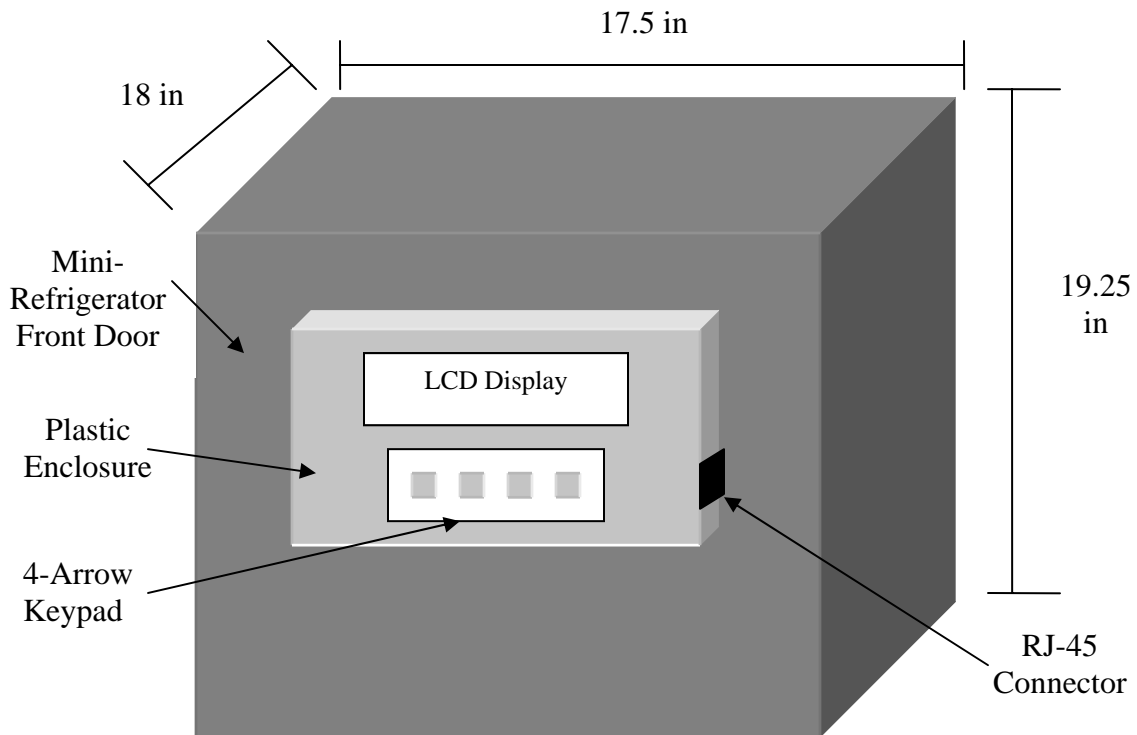


Fig. 1 – Cold as Ice External Layout

The Cold as Ice internal layout is described below in Figure 2:

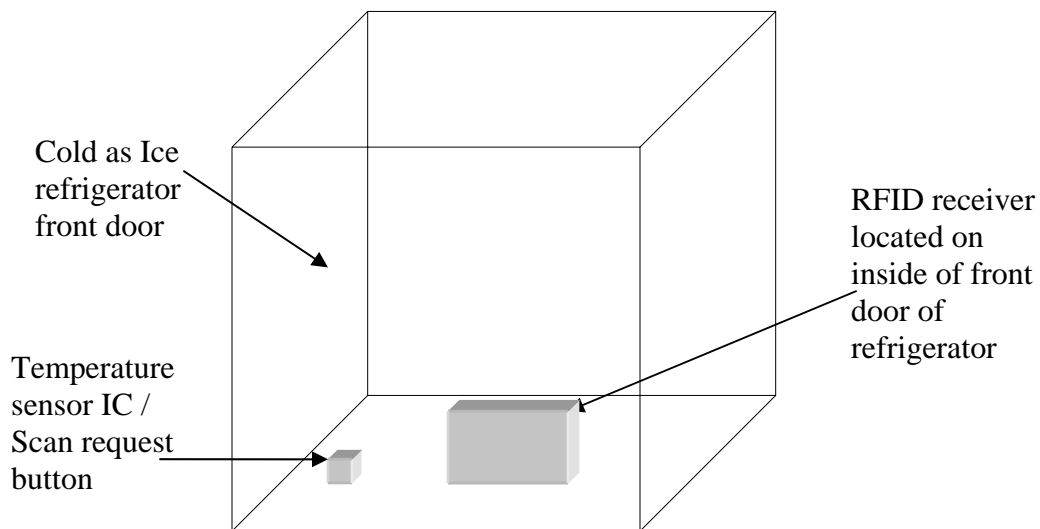


Fig. 2 – Cold as Ice Internal Layout

2. LCD Display

The Cold as Ice LCD display is described below in Figure 3:

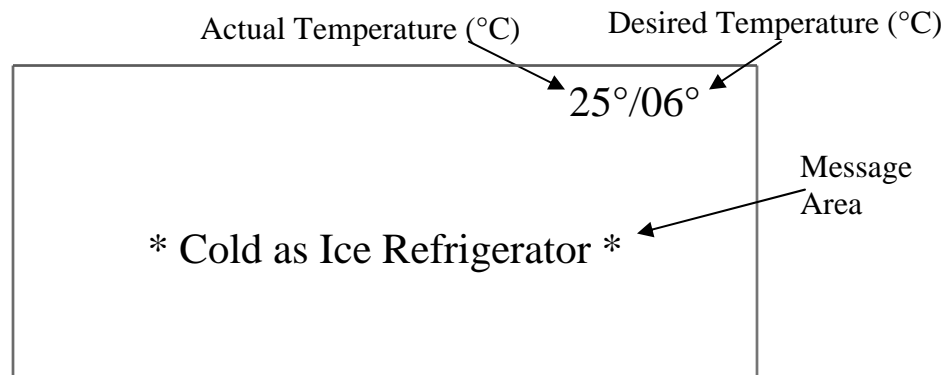


Fig. 3 – LCD Display Description

3. Keypad

The Cold as Ice keypad description is given below in Figure 4:

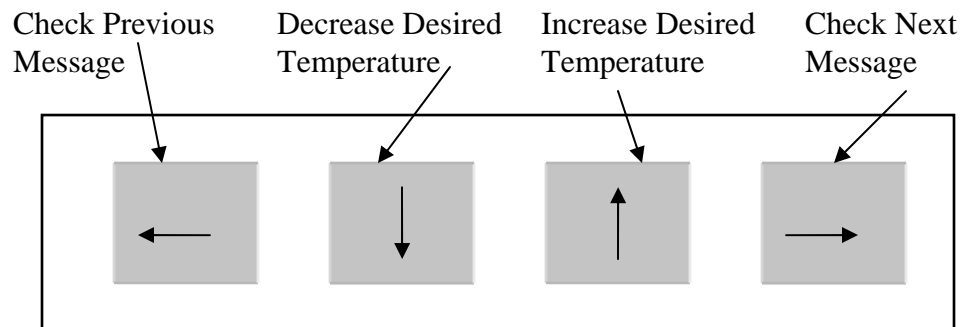


Fig. 4 – Keypad Description

4. Temperature Sensor / Scan Request Button

The Cold as Ice temperature IC and scan request button description is given in Fig. 5:

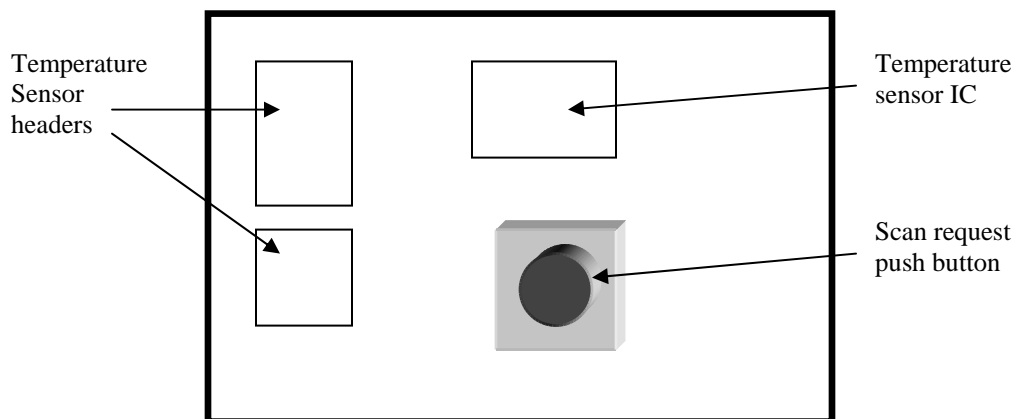


Fig. 5 – Temp. IC / Scan Request Board

SETUP

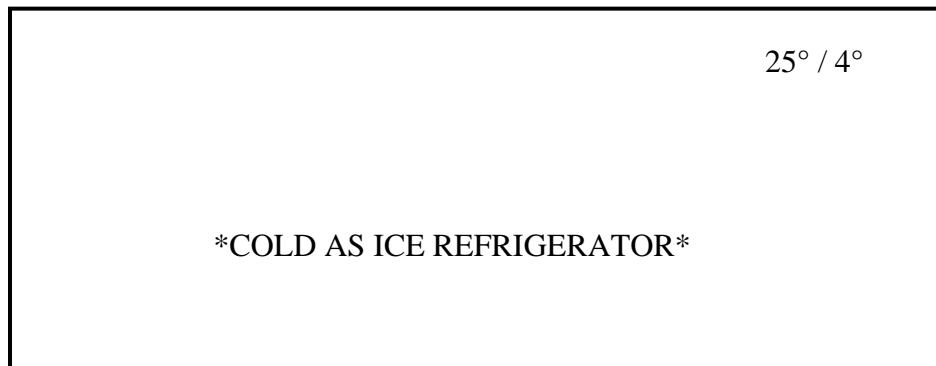
The following will take you through the process of hooking up your Cold as Ice refrigerator for the first time. Fortunately, setup is quick and easy!

1. Connect the power cords

Plug each of the three (3) power cords into a regular, 110VAC wall outlet.

**Do not operate the unit or press any buttons until all wall outlet connections have been made.*

You should see the following message displayed on the LCD panel:



2. Connect the Ethernet cord

Plug one end of the Ethernet cord into a RJ45 Ethernet outlet and the other into the Cold as Ice refrigerator's RJ45 connector. To decide which type of cable to use, see comment number five of the Basic Use section of this manual. You should set your URL to the following: 128.46.100.55

Your Cold as Ice Refrigerator is now ready for use!

BASIC USE

The following outlines the basic operation of the Cold as Ice Refrigerator.

1. Changing the temperature

To increase or decrease the temperature of the refrigerator, simply press the “Up” or “Down” keys on the keypad. The upper right-hand corner of the LCD will display what the current temperature in the cabinet is, followed by what temperature you have requested. Note that the user cannot request a temperature below 0°C or above 99°C.

**Temperatures are displayed in degrees Celsius*

2. Viewing messages

From time to time, the Cold as Ice Refrigerator will report errors, food expirations, etc. on the LCD panel. To scroll through these messages, simply press the “Left” or “Right” buttons on the keypad.

3. Adding food items to your fridge

To add a food item to your fridge, hold it up against the black RFID scanner pad and press the Scan Request button. If the item was scanned properly, you will hear a single ‘beep.’ This means that the food item has been added to your food inventory and you may place it in the fridge. You are now ready to scan in a new item. If the item was not scanned properly, you will hear several short beeps in succession. When this happens, try to hold the item as close to the RFID scanner pad and as steady as possible. The item should eventually be read correctly. If problems persist, refer to the Troubleshooting section of this manual.

4. Removing food items from your fridge

To remove a food item from your fridge, take it out of the cabinet, place it against the RFID scanner pad, and press the Scan Request button. If the item was scanned properly, you will hear a single ‘beep.’ This means that the food item has been successfully removed for your food inventory. If the item was not scanned properly, you will hear several short beeps in succession. Remember to try to hold the food item as

close to the RFID scanner pad and as steady as possible when this happens. If problems persist, refer to the Troubleshooting section of this manual.

5. Using your refrigerator's website

To utilize the refrigerator's web server, first make sure that an Ethernet cable is connected to the RJ45 connector on the Cold as Ice fridge. The other end of the cable can either be connected directly to a computer or to an Ethernet connector on a network hub. If connecting directly to a PC, the cable must be a crossover cable and the other end should be connected to the PC's Ethernet port. If connecting to an Ethernet hub, the cable should be a normal Ethernet cable and the other end should be connected to the Ethernet hub. Both types of cables should be available at your local electronic supply store.

Refer below to Figure 6 for a description of the Cold as Ice's website:

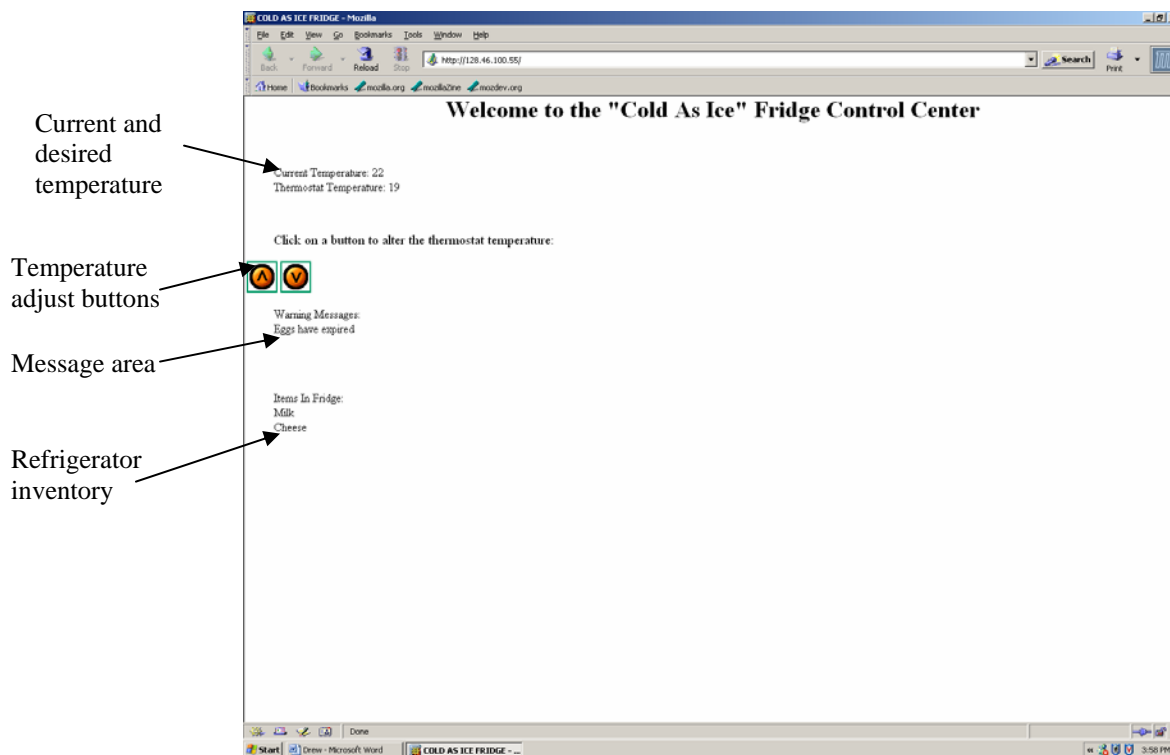


Fig. 6 – Cold as Ice website illustration

TROUBLESHOOTING

The following is a short reference of possible product malfunctions and ways to fix them.

Table 1 – Troubleshooting Tips

Problem	Possible Causes	Solutions
Refrigerator has no power	- power supply is not connected to wall	Connect all three (3) power cords to a 110V outlet.
Website is not working	- you are using an incompatible browser <i>*Note that Microsoft Internet Explorer will not work with the Cold as Ice Refrigerator webserver.</i>	Try accessing the page with Mozilla or Netscape browsers.
	- Ethernet cable is not securely connected	Connect the Ethernet cable to an RJ45 Ethernet jack
Food items will not scan properly	- item is too far away from RFID scanner pad	Hold food items as close to RFID scanner pad as possible (must be within 18 cm)
	- RFID tag is bad or damaged	Contact your food item retailer
Refrigerator is too warm	- temperature is set too high	Decrease the temperature setting using the keypad or website
	- defective compressor	Replace compressor (Contact Foreigner Inc.)
LCD displays “I5” (or other meaningless data) for the current temperature	- there is a broken communication link between the temperature board and the main board	Check cable connections on the main board and temperature board *Be sure to disconnect power before servicing any electronic components

For further assistance, contact Foreigner Inc. at:

1-800-329-0436

Thank you for your business! We have confidence you will enjoy your experience with the Cold as Ice Refrigerator.