

# chili technology™

it cools... it heats...™



Important product information. Do not discard or destroy.

# Chili Technology™ welcomes you to a new sleep experience!

We are dedicated to advanced sleep engineering. Our goal is to give you a perfect night's sleep by enabling you to personalize your sleep environment.

As you set up your Chili product, we hope you enjoy your experience and find your own sleep temperature and individual degree of comfort!

**Note:** Please read these instructions carefully before use.

## Technical Parameters

Rated Voltage	AC 90-230V
Rated Frequency	50Hz - 60Hz
Temperature Control	46°F (8°C) - 118°F (48°C)
Rated Power	150 W
Power	150 W

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## A. Introduction

The Chili Technology™ solution is a revolutionary cooling and heating system that regulates the surface temperature of your mattress for a perfect night's sleep. Chili Technology™ can be used 12 months out of the year and is designed to improve your sleep, season after season. The nearly undetectable silicone circulation tubes run conditioned water throughout the mattress surface to maintain your ideal sleep temperature.

The Chili Technology™ temperature control system allows adjustments to be made between a cool 46°F (8°C) minimum and a very warm 118°F (48°C) maximum. The control unit heats or cools water to your set temperature and circulates it through the pad, generally achieving temperatures between 55°F (13°C) and 110°F (43°C) on the bed surface. It is quiet and uses only 150 Watts of power. Use Chili Technology™ to set the temperature of your bed instead of heating or cooling your entire house while you sleep. Keeping your home thermostat at a more moderate temperature translates into real energy savings that allow your Chili product to pay for itself.

## B. Before You Get Started

1. Keep the control unit away from areas that might become damp or wet, such as an open window. The control unit should be placed on a dry, firm floor, in a well ventilated area, free from surrounding fabric. Spacing of at least 24 inches (60 cm) should be left on all sides of the unit. The area above the control unit should remain free of obstruction as well.
2. Never turn the control unit on before the connection tube has been connected to the control unit.
3. The control unit must have water added before initial use. You will need to add additional water on initial set-up as mattress fills with water. Refer to the “Set-Up” section of this manual for full instructions.
4. Avoid kinking of the hose between the control unit and the Chili product.
5. Be careful with sharp objects near the Chili product to avoid punctures of the circulation tubing.
6. Children must be under adult supervision when using the control unit.
7. The control unit is to be used on a standard AC power circuit of the proper voltage.
8. Turn OFF or unplug when not in use.
9. The control unit is programmed to turn off automatically after 12 hours of continual use. The unit can be turned on again manually after the unit automatically turns off.
10. Overheating may result from using the Chili product in any manner other than as described in this manual.
11. Wrapping the power cord around the control unit may damage the cord. Please wrap the power cord loosely during storage.
12. If the control unit is not working properly, discontinue use immediately and consult your dealer or contact the customer service number listed under Troubleshooting.

## C. Contents

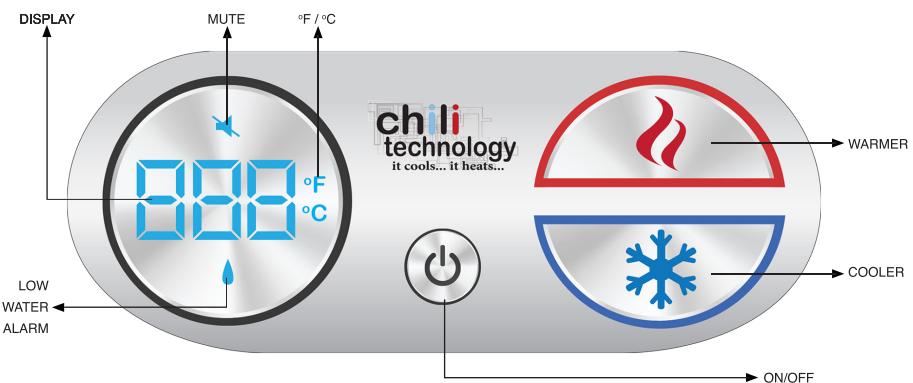


Remote



Control Unit

### Using the Control Unit



## Using the Remote



### Remote Pairing:

- Connect power to the control unit.
- Touch the “ON/OFF” button and hold for 5 seconds. The control unit will sound a long beep and the display “888” will blink.
- If the remote control is OFF, press the “ON/OFF” button. The control unit will sound a short “beep” and display the actual temperature.
- If the remote control is ON, press any button on the remote. The control unit will sound a short “beep” and display the actual temperature.
- Pairing is now complete.

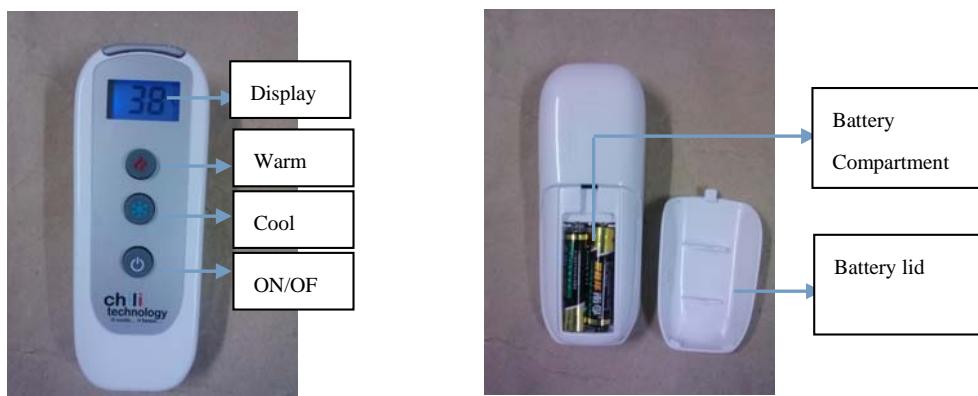
### Switching Between °F and °C:

- Turn off the remote control.
- Turn on the control unit.
- Press the “ON/OFF” button on the remote control and hold for 2 seconds.
- °F / °C will be switched automatically.

### Mute Function:

- Turn on the remote control.
- Turn on the control unit.
- Press the “ON/OFF” button on the remote control and hold for 2 seconds.
- The control unit will turn on/off the chime automatically.

## Using the Remote



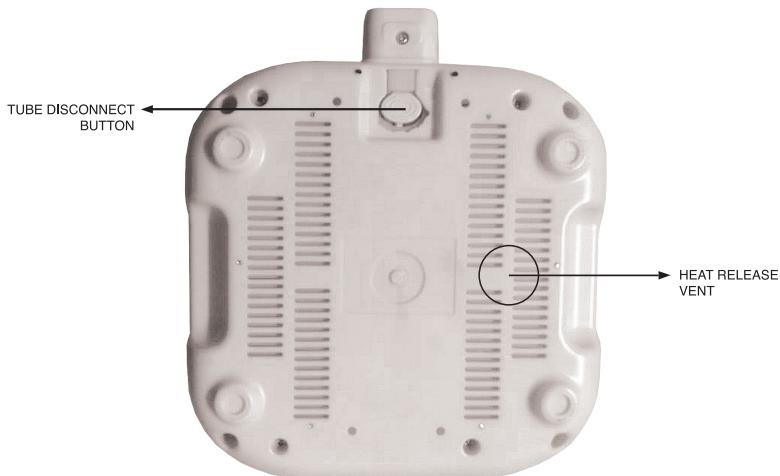
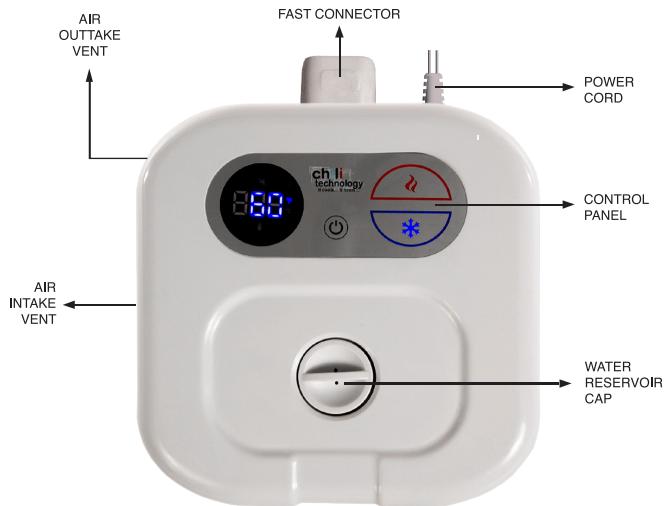
The remote device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must not accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with these instructions, it may cause harmful interference to radio communications and there is no guarantee that interference will not occur in a particular situation. If this equipment does cause interference with TV or radio reception, which can be determined by turning the device on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the two devices.
- Plug the two devices into different wall outlets.
- Consult the dealer or an experienced radio or TV technician for help.

## Control Unit



## D. Set-Up Instructions

### 1. Setting Up Your Chili Product

- ChiliBed™ or other product developed by Chili Technology™.
  - If you have purchased a ChiliBed™, please proceed with Step #2 below, “Connecting the Tubing”.
- ChiliPad™
  - a. If you have purchased a ChiliPad™, completely unfold the ChiliPad™ and place flat on top of your mattress. The control unit may be positioned at the head or foot of the bed. (Note: It is recommended that you place a waterproof mattress protector underneath your ChiliPad™).
  - b. Position the elastic straps underneath the mattress to keep the ChiliPad™ in place.
  - c. Make your bed as usual. The ChiliPad™ is intended to be directly under your fitted sheet.
  - d. For optimal performance, it is recommended that a blanket or comforter is used as insulation.

### 2. Connecting the Tubing

Place your Chili Technology™ control unit flat on the floor near your bed. Remember that spacing of at least 24 inches (60cm) should be left on all sides of the unit. Connect the tubing from your Chili product to the control unit as shown below. You must hear a “click” sound to ensure proper connection.

**Note:** If you need to disconnect the tubing, press the tube disconnect button on the bottom of the control unit. Please note that a few drops of water may result when disconnecting the tubing.



### 3. Connecting the Power

Plug the power cord into an outlet.

**Note:** This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.

### 4. Filling the Control Unit with Water

You will need to fill the reservoir before the first use. The water reservoir is located on the top left corner of the control unit. Unscrew and remove the cap and add water until the reservoir is full (approximately 14oz / 390ml). Turn the control unit on by pressing the ON/OFF button.

The control unit will beep and the pump will begin to run. The water will begin to circulate through the tubing in your Chili product. Continue to slowly fill the reservoir until the water level reaches the top of the water reservoir window (approximately 27oz / 750ml).

Replace the cap and screw on tightly.

#### Notes:

- Use clean water. Distilled water is recommended.
- Do not immerse the control unit in water to fill.
- Be careful not to spill water on the control unit.
- Refill the water reservoir when the water level gets low or the Low Water light comes on. The unit will not operate when the water level in the reservoir is too low or empty.

### 5. Turning the Control Unit On

Press the ON/OFF button on the control unit or remote, the control unit will beep and the pump will begin to run.



## 6. Turning the Control Unit OFF

Press the ON/OFF button on the control unit or remote. The control unit will beep, then the pump and fan will stop running. If the unit is not to be used for a long time, unplug from the wall. The pump and/or fan may continue to run for a short time once the unit has been turned off.

## 7. Adjusting the Temperature

The control unit must be turned on to adjust the temperature. The control unit heats or cools water to your set point between 46°F (8°C) and 118°F (8°C). The unit circulates the water through the pad, generally achieving temperatures between 55°F (13°C) and 110°F (43°C) on the bed surface.

In some cases the maximum and minimum temperatures will not be reached due to many factors including: ambient air temperature, humidity, length of tubing, insulation and heat load on top of the Chili product. It is recommended that each individual has their own control unit.

Condensation may occur on the tubing based on the above conditions. Please see the troubleshooting guide for information on how to solve this issue.

### To Cool:

- Press the COOLER button to select your desired temperature.
- The digital reading on the display will blink 3 times and then the setting was accepted.
- The control unit will start to work and display the actual temperature.

### To Warm:

- Press the WARMER button to select your desired temperature.
- The digital reading on the display will blink 3 times and then the setting was accepted.
- The control unit will start to work and display the actual temperature.

**Note:** Temperature adjustments can be made with the remote or on the control unit panel.

## 8. Operational Tips

Insure there is ample space around the control unit for ventilation. The Control unit utilizes fresh air to cool the electronics, so sufficient fresh air is necessary for optimal performance and long life of your system. Clearance of 24 inches (60cm) on all sides is recommended.

Frequently inspect the connection tubes to insure there are no kinks or restrictions that may prevent free flow of the water through your system.

## 9. FCC Compliance

The remote device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must not accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with these instructions, it may cause harmful interference to radio communications and there is no guarantee that interference will not occur in a particular situation. If this equipment does cause interference with TV or radio reception, which can be determined by turning the device on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the two devices.
- Plug the two devices into different wall outlets.
- Consult the dealer or an experienced radio/TV technician for help.

## E. Maintenance

### Water Maintenance

- Add 1oz. (30cc) of hydrogen peroxide once per month or if you notice any sediment buildup in the reservoir.

### Disconnect the Tubing

- If you need to disconnect the tubing from the control unit, press the tube disconnect button located on the bottom of the control unit. Removing the tube without pressing the tube disconnect button located on the bottom of the unit can damage the connectors.

### Cleaning the Control Unit

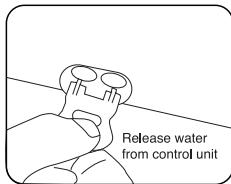
- With the control unit turned off and unplugged, use a clean damp cloth to clean the outside of the control unit and remote control. Use only mild soap if necessary. Be careful not to get water inside the control unit.
- Never submerge or get water inside the control unit.
- Remove the cover of the air intake vent on the top of the control unit to clean off any dust and dirt. Make sure it is dry before replacing.

## Cleaning Tips

- Periodically add one cap full of hydrogen peroxide into the reservoir to keep the circulation system clean. Procedure: Set temperature to 75°F (24°C). Remove the reservoir cap and add the hydrogen peroxide. LEAVE THE RESERVIOR CAP OFF. The hydrogen peroxide will react with the dirt or other foreign particles to clean the system. Once the reaction has stopped (bubbles no longer form), replace the cap, reset the control unit to your desired sleep temperature and enjoy.

## How to remove water from the ChiliPad™

If the control unit will not be in use for an extended period, use the water release key to purge the water. The pad must be inverted with tubes hanging down to allow for maximum draining. Use the plastic key to press into the end of the hose to release the water.



## Storing the Control Unit

- Disconnect the connection tubing from the control unit.
- Drain any remaining water from the unit by removing the water reservoir cap. Gently tilt the control unit so the water drains through the reservoir opening. Replace the cap.
- Wrapping the power cord around the control unit may damage the cord. Please wrap the power cord loosely during storage.
- Remove the batteries from the remote control.
- Store the control unit and remote control in a clean, dry place.

## F. Troubleshooting

Use this guide to address problems with your Chili Product. If the issue still occurs, please contact customer service at [info@chilitechnology.com](mailto:info@chilitechnology.com) or 1.877.235.6271 (outside the United States: 1.704.235.6831).

Issue	Possible Reason	Solution
Does not turn on	No power	Check to see if the outlet has power. If the electrical cord is damaged, unplug immediately and call customer service.
	Disconnected from power source	Reconnect the power cord to power source.
	Reservoir is out of water	Add water by following the Set-Up Instructions in this manual.
	Remote is not working	Replace the batteries.
	Remotes are switched (dual zone)	See page 7 - "Using the Remote"
	Water on control panel	Ensure control panel is dry and free of water.
Poor cooling/warming effect	Reservoir is low on water	Add water by following the Set-Up Instructions in this manual.
	Tubing is kinked	Make sure the Chili Product is flat on the bed and there are no kinks in the tubing.
	No covering over the Chili Product	Use a covering like a blanket or comforter to help insulate the Chili Product from the outside air.
Condensation	20°F (10°C) difference in air temperature and the control unit temperature setting	Adjust the control unit setting up 2° - 5° until there is no longer a condensation build-up.
Error code displayed on control unit display panel	Unit is equipped with several automatic shut-off functions to protect the system; an error code indicates this situation has occurred. (F1,F2,F3,F4)	Turn off and unplug unit. Wait 15 minutes, turn unit on, reset preferred sleep temperature settings. If issues persists, note error code, unplug control unit and call customer service.

Chili Technology™ is dedicated to helping our customers solve their sleep temperature challenges.

Tell us how Chili Technology™ has changed how you sleep! We value your feedback, comments, and suggestions.

[info@chilitechnology.com](mailto:info@chilitechnology.com)



144 Talbert Pointe Dr., Suite 103  
Mooresville, NC 28117 USA

phone: 1.704.235.6831  
fax: 1.704.973.7728