

PRESTO[™] HeatDish^{MD} +TILT

Parabolic Electric Heater

The parabolic reflector focuses energy like a satellite dish.

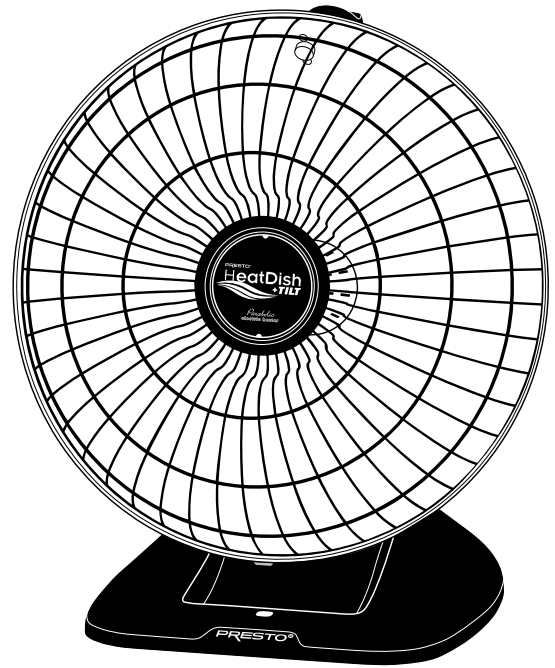
Warmth you can feel directly, almost instantly.

Tilts high, low, or anywhere in-between
to direct heat right where you want.

Heats you rather than the air.

Keeps you toasty warm even in a large, chilly room or open area.*


* Although it will keep you warm in a large, enclosed area, the heater is not designed to heat the entire room. Effective for heating enclosed rooms up to 3x4 metres.



1 000 watts
3 412 BTU
120 volts CA

INSTRUCTIONS

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Form E4058-008D

This is a  Listed appliance. The following important safeguards are recommended by most portable appliance manufacturers.

IMPORTANT SAFEGUARDS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock, injury to persons, and hyperthermia, including the following:

1. Read all instructions before using this heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Use handle when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 1 metre from the front of the heater and keep them away from the sides and rear.
3. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
4. To avoid excessive room temperatures which can cause hyperthermia, DO NOT leave product running unattended in a confined space around infants, or individuals with reduced physical, sensory, or mental capabilities.
5. Hyperthermia can result in death. Symptoms of hyperthermia include high body temperature, headache, nausea, vomiting, tiredness, dizziness, fainting, and rapid pulse. If you begin to experience symptoms related to hyperthermia, turn off the heater and seek medical attention.
6. Always unplug heater from wall outlet when not in use.
7. Do not operate this heater with a broken element or ceramic cone, with a damaged cord or plug, after the heater malfunctions, or after it has been dropped or damaged in any manner. For assistance in English, please call the Presto Consumer Service Department at 1 800 877-0441.
8. Do not use outdoors.
9. This heater is not intended for use in bathrooms, laundry areas, and similar indoor locations. Never locate the heater where it may fall into a bathtub or other water container.

10. Do not run the cord under carpeting. Do not cover the cord with throw rugs, runners, or similar coverings. Do not route the cord under furniture or appliances. Arrange the cord away from traffic area and where it will not be tripped over.
11. To disconnect the heater, turn controls to off, then remove plug from wall outlet.
12. Do not insert or allow foreign objects to enter the grille or any ventilation or exhaust opening as this may cause an electrical shock or fire, or damage the heater.
13. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
14. This heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
15. Use this heater only as described in this book. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
16. Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
17. This heater includes an audible alarm to warn that parts of the heater are getting excessively hot. If the alarm sounds, immediately turn the heater off and inspect for any objects on or adjacent to the heater that may cause high temperatures. **DO NOT OPERATE THE HEATER WITH THE ALARM SOUNDING.**
18. Do not operate heater with base removed.
19. Do not attempt to repair, adjust, or replace parts of the heater. The Presto Factory Service Department should check and repair broken heaters.

SAVE THESE INSTRUCTIONS

Important Cord and Plug Information

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 into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way. Connect the power cord to a 120VAC electrical outlet only.

Getting Acquainted

Before First Use

Familiarize yourself with the parts of the Presto® HeatDish® Plus Tilt parabolic electric heater (Fig. A) and read the information on the following pages.

For protection in shipping, a cardboard block is located between the heater base and the parabolic reflector (Fig. B). Before using, stand the heater upright with the bottom of the base resting flat on the floor. Grasp the handle, press down, and tilt the parabolic reflector upward to release the heater from the storage position. Raise the parabolic reflector to the maximum tilt position and remove the cardboard block.

Read the “Operating the Heater” instructions starting on page 4 before plugging the heater in.

Note: The heater will not operate in the storage position and the buzzer will sound.

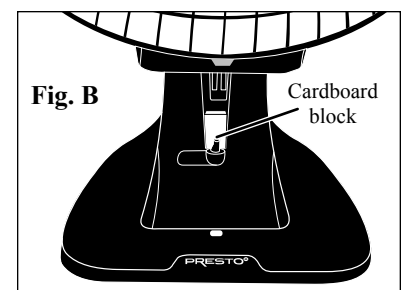
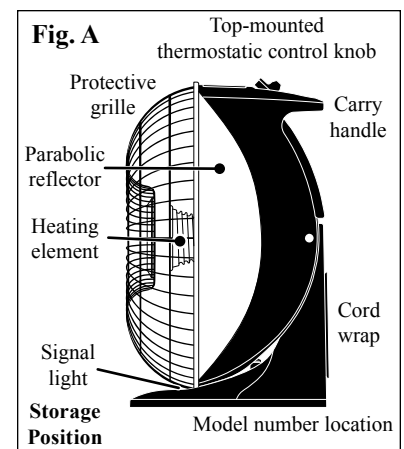
Adjusting the Tilt Position and Carrying the Heater

The heater features a tilt mechanism which allows you to adjust the angle of the heat output (Fig. C, page 3) with a feather touch. While holding onto the handle, tilt the parabolic reflector upward to aim the heat high, low, or anywhere in-between. Tilt the heater down for compact storage. It locks in place only in this position.

Thus, when carrying the heater from room to room, first place the heater in the storage position, then pick it up by its handle. Always adjust the parabolic reflector to the desired tilt position before plugging in.

Note: The heater will not operate in the storage position and the buzzer will sound.

The tilt mechanism tension can be adjusted to suit your preference by turning the tilt adjustment screw located above the cord wrap (Fig D, page 3). To tilt with a lighter touch (less tension), insert a #2 Phillips screwdriver and turn the screw counterclockwise in ¼ turn increments to desired tension. If a more assertive touch (more tension) is preferred, turn the screw clockwise in ¼ turn increments.



How the Parabolic Heater Keeps You Warm

The parabolic electric heater is designed to heat people and objects directly, without first heating the air space around them. The heater allows you to set the room temperature at a low level and still stay cozy warm.

Heat is produced by a coiled wire element wrapped around a ceramic cone. The heater's parabolic reflector reflects this heat in a concentrated beam that shines directly on you.

The heat is controlled through an infinite switch which cycles the element on and off, in a fashion similar to your stove. The higher the setting, the longer the interval during which the element is energized. The ceramic cone retains the heat, so that there is an even feeling of heat at each setting. At lower settings, the heat is less intense. At higher ones, it is more intense.

How the Parabolic Heater Can Help Save Energy

The parabolic reflector focuses heat output, like a satellite dish concentrates TV signals, so it requires less energy than convection electric heaters to deliver all the warmth you'll want.

It provides super concentrated heat to keep you much warmer than 1 500 watt convection heaters. Yet, because it uses just 1 000 watts, it costs a third less to operate and could help you save money on electric bills.

A parabolic heater, coupled with other conservation measures, will help save energy in your home. For example, energy savings may be realized by keeping the thermostat on your central heating system at a lower setting, thereby decreasing the average room temperature. Personal comfort can be maintained by using a parabolic heater.

How the Parabolic Heater Works

An automatic control switch, or thermostat, is built into the heater to control the heat output. The control knob (Fig. D), located on the top of the heater, is used to adjust the thermostat.

This thermostat works like the control for a burner on an electric stove by cycling the heating element on and off to regulate the amount of heat produced. At the highest setting, the element is on 100% of the time. At lower settings, the element will cycle on and off, automatically producing less heat. The lower the heat setting, the longer the element will remain off during the cycle. This is normal.

Additionally, like the power control switch for any electric device, **this thermostat may produce a small spark or flash of light each time it opens or closes to cycle the element on or off.** While this visual flash is normal for any electric switch, it may be more noticeable in the heater, particularly if the room is darkened. Likewise, it is normal to hear a slight humming sound at lower settings as the thermostat turns the element back on and the unit heats up.

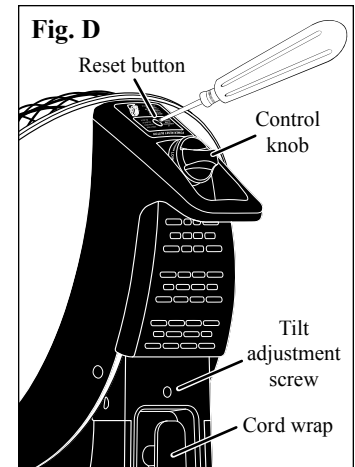
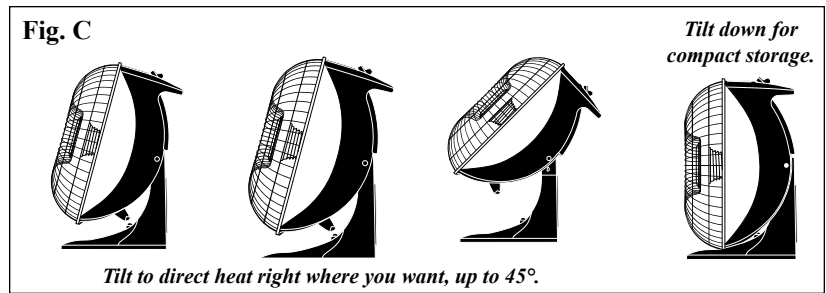
Safety Features

The heater has three safety features: an automatic safety switch, a manual reset button, and a warning buzzer. The safety switch turns the unit OFF and the buzzer sounds (if the element is energized) if the heater is moved, placed on a non-level surface, or turned on when it is in the storage position. Although chiefly intended as a warning of tip-over, the switch shuts the heater off and the buzzer sounds as an additional safeguard if a child or animal moves the heater.

The heater is controlled by a thermostat that shuts the heater off if it overheats, e.g., it is placed too close to furniture or to a wall or if too much dust or dirt has accumulated on the reflector. To ensure you are aware an overheat situation has occurred, the heater will turn off and buzz until you manually reset it. To reset it, press the red recessed POWER RESET button on the top of the heater between the reflector and the control knob (Fig. D).

If you hear continuous buzzing, confirm that the heater is on a level surface and not in the storage position. If it continues, the heater has overheated due to incorrect positioning or dirt or dust accumulation on the reflector.

1. Turn the control knob to OFF.
2. Wait 5 minutes to allow the heater to cool.
3. Press the red recessed POWER RESET button with a Phillips screwdriver or similar tool. Holding the screwdriver at about a 45° angle, press until you hear a click. The click is an audible signal that the heater has been reset.
4. Verify heater is correctly positioned and clean the reflector as instructed on page 5 if it is dirty or dusty.
5. Plug the heater back in and try it again.



Positioning the Heater

When positioned correctly, the parabolic heater will keep you toasty warm. Follow these suggestions for maximum warmth:

- Point the front grille towards the area in which heat is desired and use the tilt feature to aim the heat right where you want it.
- Check to make sure there are no objects between you and the heater. Such objects will absorb the heat and prevent it from reaching you.
- The parabolic design of the reflector focuses heat at persons 1 to 3 metres away. Thus, for your entire body to enjoy the heat produced by the heater, it must be placed at least 1 metre from you.

Placing it closer will turn the heater into a foot warmer, rather than a body warmer. Experiment with various positions until you find the right one for you.

- Remember, this unit is primarily a people heater rather than a room heater and using it to heat a large room or open area is not recommended.
- The infrared heat produced by this heater will travel through glass, just like the sun's rays. If the heater is aimed at a window, objects outside will be heated.

When using any heater, the following safety precautions should always be observed:

- Close attention is necessary when the heater is used where children are present.
- The heater should always be in a stable, upright position with at least 1 metre of space between the front of the unit and any other surface.
- The heater should never be placed in a closed area such as beneath furniture, in cabinets, or beneath or behind curtains or drapes, nor should it be hung from a wall or ceiling.
- Heat produced by any heater tends to pull moisture from the air. It is recommended that you avoid sitting with your face directly in front of the heating element. The intense heat may dry your eyes and cause irritation.

WARNING! Some people with sensitive skin may develop certain skin conditions, such as *erythema ab igne*, when they are exposed to heat sources such as car heaters, electric blankets, heating pads, hot water bottles, and heaters. Symptoms may include irritation or discolouration of the skin.

Some people may have nerve conditions that reduce their ability to feel direct heat. The heater is not recommended for use by or in close proximity to persons with these kinds of sensitive skin or nerve conditions.

- Never use a heater with a damaged cord.

Operating the Heater

1. Turn the control knob (Fig. A, page 2) to the OFF position.
2. Fully unwrap the cord from its built-in storage before use. Grasp the handle, press down, and tilt the reflector upward to release the heater from the storage position.

Plug the cord into a 120 volt, 60 cycle circuit which serves nothing else. Because the heater is a 1 000 watt appliance, it is normal for the plug to feel warm to the touch during operation.

WARNING! If the heater is used with a loose or worn AC outlet, this poor connection may cause overheating and distortion of the plug. If the plug is distorted, please discontinue use of the heater and contact the Presto Consumer Service Department.

The signal light will glow whenever the cord is plugged into an outlet to indicate the heater is electrically activated.

CAUTION! Plug the heater directly into a wall outlet. This heater is not intended for use with an extension cord or relocatable power tap (outlet/power strip).

3. Turn the control knob to its HI position. It is normal to hear a vibrating or humming sound when the heater is turned on. It should last only about 30 seconds.

When using for the first time, operate the heater on its HI setting for at least 3 minutes to bring the heating element to its optimum operating temperature and allow manufacturing coatings to burn off. It is normal to have a slight odour or light smoking during this time.

4. Any time after that and on subsequent uses, the control knob may be adjusted to the desired comfort level. Use the carry handle to adjust the tilt of the heater's reflector to the position that is most comfortable for you.

Remember, after the control knob is turned to any ON position below HI, the heater will continually turn itself ON and OFF to control the heat. This may not always be obvious; due to residual heat in the heating element, it will continue to glow at most settings.

You may also hear a slight clicking or humming sound as the thermostat cycles the heating elements ON and OFF or see a small spark or flash of light when in a darkened room.

If additional heat is desired, turn the control knob to a higher setting to lengthen the ON cycle so the heater produces more heat. If less heat is desired, turn the knob to a lower setting to shorten the cycle and produce less heat.

5. After use, turn the control knob to the OFF position and disconnect the plug from the wall outlet. Always disconnect by grasping the plug, not the cord. Pulling on or yanking the cord can damage the cord's insulation and wires, making the heater unsafe to use.

WARNING! Never use a heater with a damaged cord.

Care, Cleaning, and Storage

Allow heater to cool completely before cleaning, caring for, or storing it. Also be sure heater is turned off and unplugged.

1. Do not pour or spray any water, cleaners, or any liquid on or into any portion of the heater. Do not submerge heater in any liquid.
2. Use a soft, lint-free, damp cloth and a mild detergent only to clean the exterior surfaces. Harsh or abrasive cleaners will damage the finish.
3. Occasionally, the parabolic reflector inside the grille will need to be cleaned. To remove dust and dirt from the reflector, follow these simple steps:
 - Unplug the heater and allow to cool.
 - Support the heater on its back.
 - Slip a soft, lint-free cloth through the grille.
 - Use a long thin handle, such as a dowel or a wooden spoon, to move the cloth from spot to spot over the surface of the reflector.
 - Remove the handle and the cloth when the surface is dust and dirt free.

NOTICE: If you allow dust and dirt to build up on the reflector, it may cause the heater to overheat and the warning buzzer to sound. Should this occur, follow the power reset instructions on the back of the unit and clean the reflector after it has cooled. If the heater does not work properly after cleaning and following the reset instructions, contact the Presto Consumer Service Department by calling 1 800 877-0441 or emailing www.GoPresto.com/contact.

4. Wind the cord around the built-in cord wrap (Fig. A, page 2) for convenient storage. Grasp the handle and tilt the reflector down to the storage position. You will feel and hear it lock in place. Keep heater in a dry location.

Consumer Service Information

If you have any questions regarding the operation of your Presto® appliance, contact us by any of these methods:

- Call 1 800 877-0441 weekdays 8:00 AM to 4:00 PM (Central Time)
- Email us through our website at www.GoPresto.com/contact
- Write to National Presto Industries, Inc., Consumer Service Dept., 3925 North Hastings Way, Eau Claire, WI 54703-3703 USA

Inquiries will be answered promptly by telephone, email, or letter. When emailing or writing, please include a phone number and a time when you can be reached during weekdays. When contacting the Consumer Service Department, please indicate the model and series numbers for the heater. These numbers can be found on the bottom side of the plastic base. Please record this information:

Model _____ Series _____ Date Purchased _____

Presto® Limited Warranty

(Applies only in the United States and Canada)

This quality Presto® appliance is designed and built to provide many years of satisfactory performance under normal household use. Presto pledges to the original owner that should there be any defects in material or workmanship during the first year after purchase, we will repair or replace it at our option. Our pledge does not apply to damage caused by shipping. ***Outside the United States and Canada, this limited warranty does not apply.***

To obtain service under the warranty, please call our Consumer Service Department at 1 800 877-0441. We want you to obtain maximum enjoyment from using this Presto® appliance and ask that you read and follow the instructions enclosed. Failure to follow instructions, damage caused by improper replacement parts, abuse, misuse, disassembly, alterations, or neglect will void this pledge. This warranty gives you specific legal rights, and you may also have other rights which vary on your location. This is Presto's personal pledge to you and is being made in place of all other express warranties.

National Presto Industries, Inc., Eau Claire, WI 54703-3703 USA