

ChefsChoice[®] International

SmartKettle[®] Cordless Electric Kettle



Model 686

IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be followed, including the following:

1. Read all instructions carefully.
2. Do not touch hot surfaces. Always lift by handle.
3. To protect against fire, electric shock and injury to persons, do not immerse cord, plug, SmartKettle® or power base in water or other liquid.
4. Close adult supervision is necessary when any appliance is used by or near children, handicapped persons or the infirm.
5. Always unplug the power base when not in use in order to avoid accidental electrical shock. Allow SmartKettle® to cool before cleaning.
6. Do not operate with a damaged cord, or plug, or after a malfunction has occurred or the kettle has been damaged in any manner. Return SmartKettle® to the EdgeCraft Corporation, Service Department for examination, repair or adjustment.
7. The use of accessory attachments not recommended by the EdgeCraft Corporation may result in fire, electric shock or injury to persons.
8. Do not use SmartKettle® outdoors.
9. Do not let power cord hang over edge of table or counter or touch hot surfaces.
10. Do not use this SmartKettle® or the power base for other than intended use.
11. Do not attempt to plug any device other than designated SmartKettle® into the power base.
12. Do not place on or near hot gas or electric burner or in a heated oven.
13. Do not operate SmartKettle® unless lid is fully closed.
14. Never fill SmartKettle® while it rests on the power base.
15. Do not turn on the Heat to the SmartKettle® unless there is sufficient water.
16. **CAUTION:** Unplug IMMEDIATELY if water spills onto bottom of SmartKettle®, onto power base or into connector, to avoid electrical shock.
17. **CAUTION:** To avoid the risk of being scalded never fill SmartKettle® above the “MAX” line shown on the water level gauge. For the same reason, extreme caution must be used when moving an appliance containing hot water or other hot liquids. *Always pour slowly and carefully.*
18. Only operate SmartKettle® on a dry, flat, non-slip surface.
19. Scalding may occur if the lid is removed during the brewing cycles.
20. For household use only.

SAVE THESE INSTRUCTIONS

YOU MADE A GOOD CHOICE!

You have selected the world's most advanced and exciting electric kettle. Its elegant design features, a virtually 100% stainless steel interior and a brushed stainless exterior is unmatched by any other electric kettle in the world. The Chef'sChoice® SmartKettle® Model 686 utilizes electronic and computational techniques that ensure the water is heated to the precise temperature you select and holds it there until you are ready to serve. The traditional mechanical controls used to detect boiling have been replaced by reliable electronics and a microcomputer that computes the "rate of rise" of the water temperature to reliably detect boiling.

The desired water temperature can be selected and then maintained for 30 minutes, eliminating the need for reheating that might otherwise be required for a second cup.

Those who want their water fully boiling can select the "Black/Boil" setting and obtain it automatically irrespective of the local altitude or barometric pressure.

For your convenience, multiple levels of thermal, electrical and operational protection are built into the SmartKettle® 686.

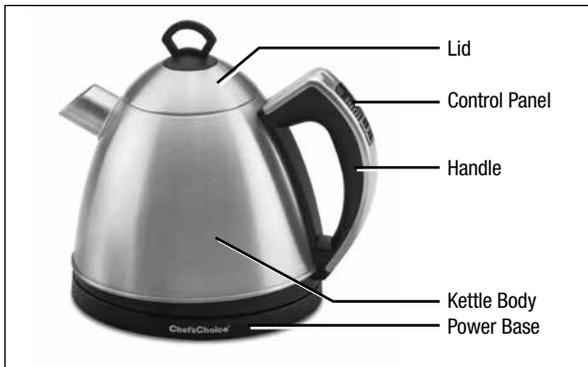


Figure 1. Chef'sChoice® SmartKettle® Model 686.

Figure 2. Chef'sChoice® SmartKettle® control panel.

Set Temperature Display

Displays the set temperature in °F to which the kettle will heat water, based on the choices indicated by the "Select" button

Menu Listing

List of popular choices. Each choice is associated with a specific temperature shown above on the temperature display. The selected choice shows a blue dot next to it.

Indicator Light (behind these buttons)

- Light off - kettle not active
- Blue Light - display activated but kettle waiting for a choice using the "Select" button and pressing "START" button
- Flashing Blue - kettle is heating
- Green Light - water in kettle has reached set temperature
- Flashing green Light - keep warm mode
- Red Light - Error



Select Button

Used to cycle between Menu / temperature settings

START Button

Used to start or stop a heating cycle

Understanding the Chef'sChoice SmartKettle® Model 686

Read all instructions carefully and take a minute to familiarize yourself with the user-friendly controls of the Model 686 SmartKettle® (Figure 1) before using it for the first time. As with any new kettle, do not use water from the first use; discard it and rinse the inside of the kettle thoroughly with fresh cool water.

This appliance has two parts, the Kettle body and the power base unit which includes a power cord.

The kettle can only be used with the provided power base. Power base and Kettle must bear the same model identification number. Unwind the power cord from the bottom of power base to the desired length before plugging the cord into a powered outlet.

For your safety, this appliance plugs into a grounded 110-120 volt AC electrical outlet. Do not attempt to defeat this feature by using a three-prong to two-prong adapter. If your receptacle is only a two prong type without a ground, seek help from a licensed electrician.

A short power cord is provided with this appliance to reduce the risk of someone becoming entangled in or tripping over a longer cord that could cause the kettle to overturn, spilling hot water.

While EdgeCraft does not recommend it, extension cords are available and may be used if care is exercised in their use. If an extension cord is used it should be a grounded three conductor cord with a matching plug configuration and rated at not less than 15 amperes. If a longer cord is used it should be arranged so it will not drape over counters or table tops where it can be pulled, tugged on or tripped over by persons or pets.

The lid is easily removed. Simply grasp the handle and pull upwards firmly. Do not pull the handle sideways.

The kettle lid must be on and fully seated in place when heating water. The lid is equipped with snap locks so it does not come off unintentionally when the water is being poured. When putting the lid on the kettle, press it down firmly until it snaps completely into place.

Fill the kettle with at least 16 ounces of water (which is approximately the same as 2 cups) and place the kettle on the power base. Do not fill the SmartKettle® above the MAX indicator to prevent water from splashing out through the spout during boiling. For greatest temperature accuracy and convenience we recommend you fill the SmartKettle® with 1 to 1.4 liters of water (approximately 4 to 6 cups.)

If over-filled and water flows down outside of kettle and on to its bottom and onto the power base, unplug the power base unit, empty kettle and dry thoroughly. Refill before returning kettle to the power base.

Operating the Kettle (Heating Water)

Place the kettle on the power base and connect the cord to a 120 volt 60 Hz AC outlet. Press either the Select or START buttons to activate the kettle's electronics. The buttons will illuminate in blue and the temperature setting will display in red. Pressing the select button will cycle through the six different menu items. A blue light dot will be visible next to each choice along with the set temperature.

With not less than 2 cups of water in the kettle and the desired menu item selected, simply press the START button to activate the heating cycle. Heating will not begin until the START button is pressed. You may hear a soft click and the buttons will begin to flash blue, confirming that heating has begun.

If the heating cycle is not interrupted the temperature will continue to rise until the Set Temperature for the selected menu item is reached. At this point the SmartKettle® will beep to alert you that the water has reached the selected temperature and is ready for use. The buttons will then begin to flash green intermittently indicating the Keep Warm cycle is active. (Note - the keep warm cycle will not activate after the Black/Boil setting 212 °F. When the water reaches boiling, the kettle will beep then shut off.)

To Stop the Heating

You can halt the process at any time during the Heating or Keep Warm cycles by pressing the START button. The display will turn completely off, confirming that power to the kettle has been shut off.

To Keep Warm

After the water reaches the Set Temperature, the SmartKettle® will automatically enter the Keep Warm mode and hold the water at the Set Temperature. (Except on the Black/Boil setting) In this mode the SmartKettle® control will automatically cycle power on and off to the heating element to maintain the water temperature you selected. During the Keep Warm period the buttons will be flashing green to confirm that temperature control is taking place.

If the kettle is removed from the power base to pour the hot water, power to the heater control is interrupted. Returning the kettle to the power base in a short period of time (less than 4 minutes) will resume the keep warm cycle. The display will illuminate and the buttons will flash green to indicate the keep warm cycle has resumed. If the kettle is off the base for longer than 4 minutes, power will no longer be on when the kettle is placed on the base. To resume the keep warm cycle in this case, merely press the START button twice.

For your safety, and to conserve energy, the Keep Warm function will not operate indefinitely. If the cycle is not stopped manually, the keep warm cycle will remain active for 30 minutes from the original “ready” beep. After this time, the kettle will turn off. If you want to continue to maintain this temperature simply press the START button again twice and an additional Keep Warm cycle (30 minutes of temperature control at the last Set Temperature) will begin.

If at any time a new Set Temperature is selected that is below the current water temperature, power to the heating element will temporarily be off as the water cools to the lower Set Temperature. The buttons will continue to flash blue to indicate a cycle is active. Once the water temperature cools to the lower Set Temperature the beeper will sound and the normal Keep Warm mode will be activated. This is the process you might follow if you wish to boil (sterilize) the water before actually using it at a lower temperature.

Note: The beeper will only sound once when the kettle reaches the Set Temperature and enters the Keep Warm mode. As long as the kettle is in the Keep Warm mode, however, the buttons will be flashing green.

Boiling Temperature at Higher Elevations

The unique electronics in the SmartKettle® are designed to detect boiling irrespective of the geographic elevation at your location. At an elevation of 10,000 ft. for example, such as in the upper Colorado mountains, water will boil at about 195°F while at sea level the boiling point is 212°.

If you are at 10,000 foot elevation, for example, and set the kettle temperature to 212°F the SmartKettle® will heat the water until it reaches the local boiling point of 195°F. It will beep when the temperature is reached and automatically shut off. The general rule is that for every 1,000 feet above sea level the boiling point of water will be lower by 1.73°F. At 3,000 feet it boils at 207°F; at 5,000 feet the boiling point is 203°F.

Those who like their water fully boiling, can select the Black/Boil option as described above and obtain that automatically irrespective of the local altitude or barometric pressure.

Operation during “Brown Outs” and Periods of Low Voltage

During periods of extremely hot weather power companies in local areas allow the grid voltage to drop from the standard 120 Volts to as low as 108 Volts. At such low voltages you will notice it takes longer for the water to boil. At such times we recommend you keep water in the kettle above the 2-cup level.

Low Water Protection

There are two primary ways the SmartKettle maintains safe operation even when turned on with little or no water. For water levels less than the recommended two cups, accuracy will be diminished, but the electronics in the SmartKettle will still cycle off to maintain a safe condition. In these cases, the indicator light will blink a green light when a cycle is complete, but may quickly turn blue and begin reheating. In these cases, simply add more water and re-start the cycle.

For a dry kettle or extremely low water levels (less than ½ cup or 100ml), there are two safety switches that will interrupt power and turn the kettle completely OFF.

These switches will automatically reset once the kettle has cooled down. However since power will have been interrupted to the heater, when power is restored to the kettle the Control Panel will be in the OFF state. Add water and follow the previous instructions to start the kettle heating. For your safety multiple levels of thermal, electrical and operational protections are built into the SmartKettle®.

Care and Maintenance

The Chef'sChoice® SmartKettle® is designed specifically for heating water. Do not heat anything other than water in the SmartKettle®.

Before cleaning, remove the power cord from the wall outlet and remove the kettle from its power base; then wait until the SmartKettle® has cooled to room temperature. Do not attempt to clean any part of the SmartKettle® or base in the dishwasher. Do not immerse. Rinse out the SmartKettle® at regular intervals and after extended non-use. The interior of the SmartKettle® can be cleaned and decalcified at regular intervals (see below).

Decalcification

In areas with high mineral content in the water supply, the SmartKettle® should be decalcified at regular intervals. Fill the Kettle with a solution of 24 oz. (0.7L) water, add 10 tablespoons of white vinegar and bring to boil. When this process is complete, rinse the SmartKettle® twice with cool clean water. Regular commercial decalcifiers also can be used to keep the SmartKettle® operating at peak performance and electrical efficiency.

Useful Tips:

- Greatest temperature accuracy can be achieved when filling the kettle to its maximum level and starting with room temperature water.
- The temperature will be closest to the set temperature when the kettle first indicates that a cycle is done (beep plus green lights). The temperature will drift slightly as the kettle goes through its keep warm cycle. This is necessary for energy efficiency and a long life for the kettle.
- Always use the kettle with the lid properly seated in its place, to avoid extended heating times, reduced efficiency, and the possibility of hot water to splashing on users.
- If the kettle display will not activate when a button is pressed, make sure that the boil dry protection has not been triggered. Rinse the kettle thoroughly with cool water, fill the kettle and place back on the base.

Service

This appliance is for household use only. No user-serviceable parts are inside. Refer servicing to qualified personnel. In the event post-warranty service is needed, return your SmartKettle® to EdgeCraft Corp., where the cost of repair can be estimated before the repair is undertaken. Please include your return address and a brief description of the problem or damage to the SmartKettle® on a separate sheet inside the box. PLEASE CAREFULLY PACKAGE THE KETTLE TO AVOID SHIPPING DAMAGE.

Send your SmartKettle®, insured and postage prepaid to:

EdgeCraft Corporation
825 Southwood Road, Avondale, PA 19311 U.S.A.
Telephone 800-342-3255 or 610-268-0500

www.chefschoice.com

Retain evidence of shipping for your protection.

This product may be covered by one or more EdgeCraft patents and/or patents pending as marked on the product.

Conforms to: UL 1082 Certified to CAN/CSA: C22.2 No.64

120 volts/60Hertz, 1500 watts

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Limited Warranty: Used with normal care, this EdgeCraft product is guaranteed against defective material and workmanship for a period of one (1) year from the date of original purchase ("Warranty Period"). We will repair or replace, at our option, any product or part that is defective in material or workmanship without charge if the product is returned to us postage prepaid with dated proof of purchase within the Warranty Period. This warranty does not apply to commercial use or any product abuse. ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD. EDGE-CRAFT CORPORATION SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts and some states do not allow exclusions or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.