



The WaveBox®

The worlds first portable microwave oven
with removable cooler
and exclusive Tri-Power capability

Model No. WBP-TP-660



PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

1. Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
2. Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
3. Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
 - a) Door (bent).
 - b) Hinges and latches (broken or loosened).
 - c) Door seals and sealing surfaces.
4. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

DECLARATION OF CONFORMITY

The Frank Group Microwave Oven,
WaveBox® Model WBP-TP-660

This device complies with Part 18 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 accept any interference received, including interference that may cause undesired operation.

RESPONSIBLE PARTY:

The Frank Group
1065 Columbine Road
Asheville, NC 28803, USA
Tel: 952-944-0001

Contents

Introduction.....	4
Features.....	5
Important Safety Instructions.....	6
Unpacking and Accessories.....	7
Grounding Instructions and Installation.....	8
Operation.....	9
Cooking Times.....	13
Safety.....	14
Care and Cleaning.....	16
Trouble Shooting.....	17
Specifications.....	18
Warranty.....	19

Introduction

First of all, thank you for purchasing the WaveBox®. We truly value your business, and will do all we can to make sure you are more than satisfied with your purchase.

The WaveBox® was designed by users like you to make possible fresh hot and cold food and beverages from home in their busy lifestyles. At work or at play, the WaveBox® enables you to pack, keep cool, and heat things up when its time to eat.

We want you to enjoy food from home whenever you are on the go. It's a healthier, cheaper alternative to eating out.

Healthy food. Healthy people. Healthy world.

Enjoy, and let us know how we're doing.

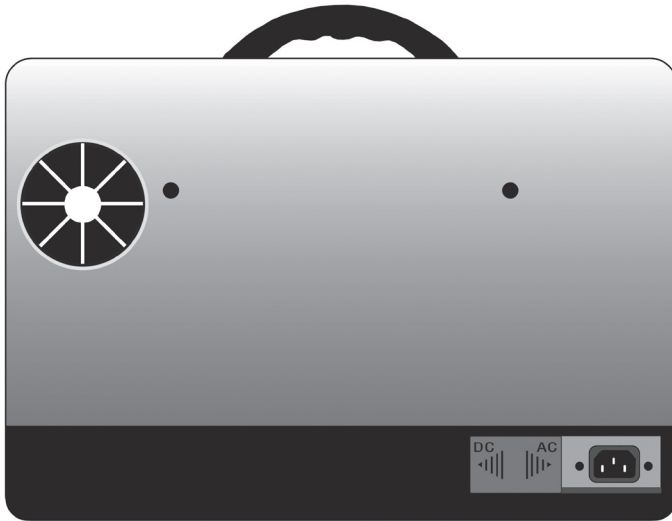
www.thewavebox.com

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.

Features

- Lightweight, compact, and completely portable
- Powered by AC, DC direct to battery, or DC thru a power outlet
- Built to withstand daily portability
- Removable cooler system
- Heavy duty handle system
- Removable plug-in AC cord system
- Direct to Battery DC Cable with two alligator clamps
- Power Outlet DC Cable with a cigarette lighter plug
- LED display



Rear View



IMPORTANT SAFETY INSTRUCTIONS

1. Read all Instructions before using this appliance.

2. Read and follow the specific **"PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY"** found on page 2.

3. This appliance must be grounded. Connect only to a properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 8.

4. Install or locate this appliance only in accordance with the provided installation Instructions.

5. Some products such as whole eggs and sealed containers-for example, closed glass jars-are able to explode and should not be heated in this oven.

6. Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.

7. As with any appliance, close supervision is necessary when used by children.

8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.

9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair or adjustment.

10. Do not cover or block any openings or vents on this appliance.

11. Do not store this appliance outdoors. Do not use this product near water-for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.

12. Do not immerse cord or plug in water.

13. Keep cord away from heated surfaces.

14. Do not let cord hang over edge of table or counter.

15. When cleaning surfaces of door and oven that comes together on closing the door, use only mild, nonabrasive soaps or detergents applied with a sponge or soft cloth.

16. To reduce the risk of fire in the oven cavity:

(a) Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.

(b) Remove wire twist-ties from paper or plastic bags before placing bag in oven. Do not heat Chinese food containers or foil lined bags.

(c) If materials inside the oven ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.

(d) Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.

17. Liquids, such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present.

THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID.

To reduce the risk of injury to persons:

(a) Do not overheat the liquid.

(b) Stir the liquid both before and halfway through heating it.

(c) Do not use straight-sided containers with narrow necks.

(d) After heating, allow the container to stand in the microwave oven for a short time before removing the container.

(e) Use extreme care when inserting a spoon or other utensil into the container.

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.

SAVE THESE INSTRUCTIONS

Unpacking and Accessories

Unpack all accessories from inside the cooking cavity, including:

- Cooler Insert
- AC Power Cord
- DC Direct To battery Cable
- DC Power Outlet Cable
- Plastic Cooking Rack with Ceramic Plate.

Store the 2 DC cables in a convenient location to be used with any DC battery source. Use the cooler insert to pack food and beverage inside the cooking cavity and keep it cold until you are ready to heat things up. Be sure remove food from the cooler before placing food in the oven. The included cooking rack improves cooking performance and is especially designed for microwave popcorn.

TO REPLACE ANY OF THESE ACCESSORIES, PLEASE VISIT:

www.thewavebox.com

NOTE: DO NOT store the AC or DC cables and in the cooler insert as they may become soiled with use. They were placed in the cooler insert for initial transportation purposes only.

NOTE: Use of the cooking rack in all cooking modes will enable faster heating of items.

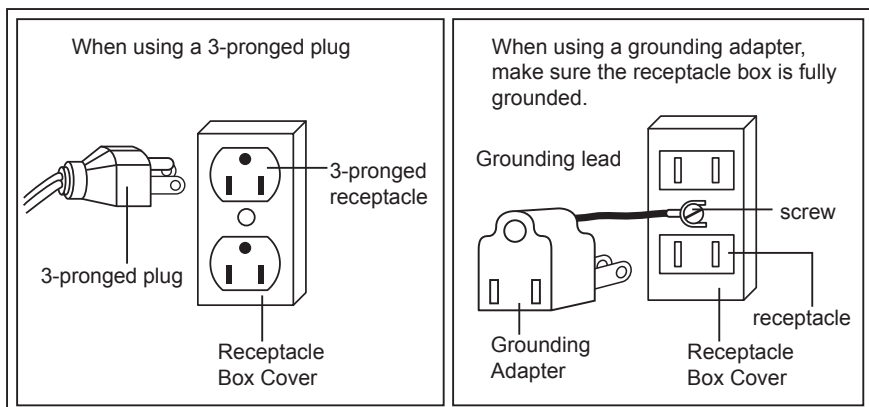
GROUNDING INSTRUCTIONS -A.C.MODE

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be inserted into an outlet that is properly installed and grounded.

WARNING: Improper use of the grounding plug can result in a risk of electric shock. Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded. If it is necessary to use an extension cord, use only a three wire extension cord that has a three blade grounding plug, and three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

INSTALLATION

1. Steady, flat location: When positioning the microwave oven, it should be set on a flat, steady surface.
2. Ventilation: Do not block air vents. If they are blocked during operation, the oven may overheat and eventually cause oven failure. For proper ventilation, keep 3 inches of space between the oven's top, sides, rear and the areas where the unit is to be installed.
3. Radio and TV reception: Poor television reception and radio interference may result if the oven is located close to a TV, radio, antenna or antenna wire. Position the oven as far from them as possible.
4. Power supply: -A-C, Mode
 - . Check your local power source. This microwave oven requires a 120V, 60Hz, power supply.
 - . Use a receptacle that will accept the ground prong.
 - A. A short power supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
 - B. Longer cord sets or exercised cords are available and may be used if care is exercised in their use.
 - C. If a long cord or extension cord is used. (1) the marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance. (2) the extension cord must be a grounding type 3 wire cord and. (3) the longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over unintentionally.
5. Examine the oven for any damage such as: Dents, a misaligned door, broken door or a dent in the cavity. If any of the above are visible, **DO NOT INSTALL THE UNIT.** Notify the dealer immediately.



Operation

Power On

Connect the WaveBox to a single power source of your choice:

AC: Plug into any standard 120V, 60Hz grounded AC power outlet. This power source delivers optimum performance.

-OR-

DC Battery direct connect: Use ONLY the supplied DC direct connect cable with “alligator” clips to connect direct to any 12V automotive or marine type battery. This power source delivers optimum performance.

-OR-

DC power outlet connect: Use ONLY the supplied DC power outlet cable to connect thru any standard 12V power outlet(20A minimum) or “cigarette lighter connection” in your vehicle. This power source is very convenient, but sacrifices some cooking speed.

NOTE: A SPARK MAY OCCUR WHEN CONNECTING THIS MICROWAVE TO A POWER SOURCE. THIS IS A NORMAL PHENOMENON AND DOES NOT INDICATE A DEFECTIVE APPLIANCE.

Please only connect to a DC power outlet rated at 20amps or higher. Information on the amp rating for all your vehicle’s power outlets can be found in the users manual under “fuse diagram”.

The WaveBox is built to be operated with the vehicle running to reduce the risk of unintended battery drain, and to deliver maximum cooking power.

NOTE: Do not connect the WaveBox® to more than a single power source at any given time. It will not operate. After connecting your WaveBox® to a single power source, the unit will beep to let you know it is ready for use, displaying zeros in the display window. The WaveBox® is now ready for operation.

NOTE:For DC operation be sure to maintain correct polarity.The WaveBox will not operate with reverse polarity.To rectify,simply connect using correct polarity.Red alligator clip to positive (+)battery post,and Black alligator clip to negative(-)battery post.

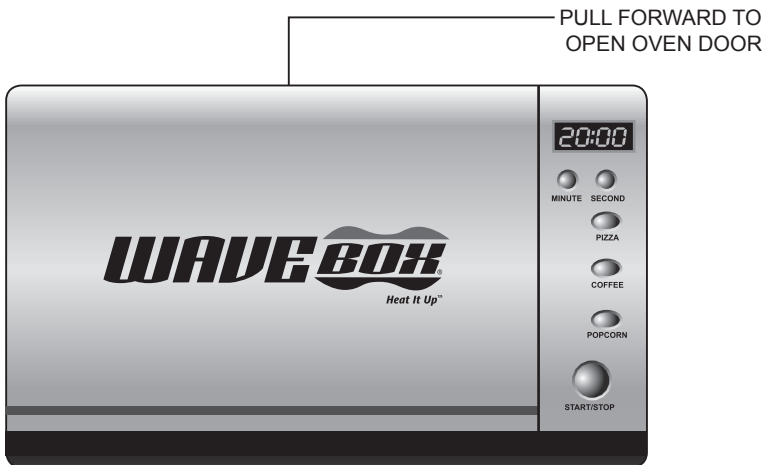
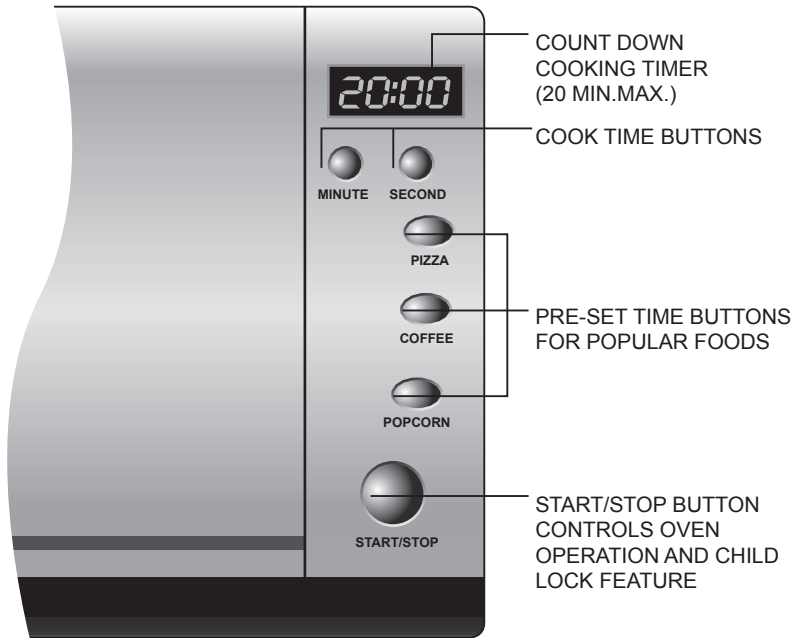
Some foreign cars and trucks employ a positive ground design.The WaveBox will not operate using a positive ground connection.If in doubt,consult with your vehicle's dealership.

When connecting to an automobile,small truck, boat or van,the engine should be running in order to prevent discharge of the battery to a point where the vehicle will not start. Connect the alligator clips to the vehicle's battery,start the vehicle's engine,and then operate the WaveBox.To disconnect the WaveBox,shut off the vehicle's engine,and remove the alligator clips from the vehicle's battery.Do not connect or disconnect the alligator clips with the engine running.

When connecting to large trucks,motor homes or buses the unit may be used without running the engine.

CAUTION:NOT FOR USE IN AIRCRAFT.

Control Panel



Caution: Do not place any objects on the door while it is open, Damage to the door sealing surfaces may result.

Pre-set Buttons

Pressing any of the 3 pre-set buttons for popcorn, coffee, or pizza will automatically show the pre-programmed cooking times. Two seconds later, the WaveBox® will begin cooking.

Setting cooking times manually

Press the “**Minute**” button once, and the cooking time will be set for one minute, with the Display Window showing “**01:00**”; Press the “**Minute**” button twice, and the cooking time will be set for two minutes, with the Display Window showing “**02:00**”. The maximum time that can be set by the “**Minute**” button is 20 minutes.

Press the “**Second**” button once, and the cooking time will be set for 5 seconds, with the Display Window showing “**00:05**”; Press the “**Second**” button twice, and the cooking time will set for 10 seconds, with the Display Window showing “**00:10**”. The maximum time that can be set by the “**Second**” button is 55 seconds.

You may press and hold the “**Minute**” or “**Second**” button for 2 seconds and the timer will automatically increase in increments.

Once the cooking time has been set, press the “**Start/Stop**” button once and the WaveBox® will begin to work.

At the end of the cooking time, the WaveBox will beep six times to signal that cooking has finished.

If you want to stop cooking prior to the end of the cooking time, simply press the “**Start/Stop**” button once and the WaveBox® will stop cooking.

NOTE:The WaveBox® is built with an ABS plastic shell with compact design for portability. After each cooking operation is completed, the internal fan will continue to operate for a few more minutes to cool down the system. Then the fan will stop. This normal door open fan operation for the WaveBox®. does not mean that the unit is defective. Please do not return the WaveBox® to your retailer/distributor due to this unique fan operation.

Child Lock

For the safety of children, parents can press and hold the “***Start/Stop***” button for 5 seconds, and “***OFF***” will be shown on the Display Window, locking all buttons.

To unlock all buttons, parents must press and hold the “***Start/Stop***” button again.

Cooking Times

Cooking times in both AC and DC direct connect mode are excellent.

Some cooking speed is sacrificed when using DC power outlet mode due to the wiring ratings of most automobiles and boats. DC power outlet mode requires power outlet amperage of 20 amps or greater. See the “fuses chart” in your vehicle’s owners manual to determine the amperage of your power outlet system.

Sample cooking times (minutes):

	AC	DC direct	DC outlet
Pizza	2:00	2:00	4:00
Coffee	3:00	3:00	6:00
Popcorn	6:00	6:00	n/a

NOTE: Using the cooking rack with ceramic plate while cooking popcorn.

Safety

- Read all instructions before using the appliance.
- Do not attempt to use this oven with the door open since this can result in exposure to microwave energy.
- Do not interfere or tamper with the safety systems on this unit.
- Do not place any object between the oven front face and the door.
- Do not operate the oven if it is damaged. It is necessary for the door to close properly and that there is no damage to the hinge system, latch, or seal.
- The oven should not be serviced by anyone other than a properly qualified appliance service technician.
- Sealed glass jars may explode when heated and should not be heated in this oven.
- Use this oven only for its intended use, which is to heat, cook, or dry food. It is not designed for any other use, such as industrial or laboratory work.
- This product is not for use by children. Adult supervision is always necessary.
- Do not operate this oven if it has a damaged cord, plug, or casing.
- Do not cover or block the ventilation ports.
- Do not immerse cord or unit in water.
- Do not let cords hang over edge of table or counter, or near/on heated surfaces.
- In the unlikely event that materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect from the power source.
- Do not use metallic cookware in the oven. Use of the included cooking rack is acceptable.
- Do not operate the oven with the cooler insert inside the cavity.
- Do not operate the oven when it is empty.

- Do not touch interior cooking cavity walls as they may burn.
- When opening the oven door, stand at arms length as hot air or steam may cause scalding.
- Do not heat baby food in closed jars, eggs in shell, nuts or seeds in shell, disposable bottles, or bottles with nipples on.
- Always use caution when removing heated foods and beverages from the oven as these items may be excessively hot and cause burns. Let items stand and cool after cooking.
- Carry the Wavebox only by the handle.
- Do not suspend or hang the Wavebox from a tree, beam, pipe, or the like.
- Do not carry or transport the Wavebox with liquid inside.

CAUTION: After extended cooking periods while using the cooking rack, the ceramic plate of cook rack gets very hot, DO NOT TOUCH! Please handle using plastic frame, and allow to cool inside the unit.

CAUTION: Never use the WaveBox while operating a moving vehicle. Use only when stationary.

Care and Cleaning

Exterior

Clean with mild soap and water, rinse and dry with a soft cloth. Do not use any household or abrasive cleaner. Do not immerse in water, or get water in the exterior vents.

Interior

Wipe with a soft cloth and warm water. Do not use any household or abrasive cleaner. For any tough residue, use baking soda and warm water. **DO NOT USE ANY OVEN CLEANERS INSIDE THE OVEN.**

Door Seals

Always make sure that door seals are clean and debris free, allowing the door to seal well.

Troubleshooting

If you have any of these problems, please try the solutions given.

- The oven does not start
 - Is the door completely closed?
 - Is the oven connected to a suitable single power source?
- The food or beverages do not heat
 - Is the door completely closed?
 - Check the fuse in your AC or DC power system.
Do not attempt to check the fuse inside this microwave oven. Servicing must be performed only qualified service personnel.
 - If using power outlet mode, make sure the vehicle wiring is rated at 20 amps or greater.
- The food is either over-cooked or under-cooked
 - Was the appropriate cooking time selected?
- Sparking is occurring inside the oven
 - Have you put metal inside?
 - Is a utensil inside?
 - Is aluminum foil inside?

NOTE: For DC operation be sure to maintain correct polarity. The WaveBox® will not operate with reverse polarity. To rectify, simply connect using correct polarity: red alligator clip to positive(+) battery post, and Black alligator clip to negative(-) battery post.

Some foreign cars and truck employ a positive ground design. The WaveBox® will not operate using a positive ground connection. If in doubt, consult with your vehicle's dealership.

If you cannot get the unit to function correctly, contact us at:

www.thewavebox.com

Specifications

(see product spec lable on rear panel)

AC Voltage: 120V/60Hz

DC Voltage: 12V

Input Current: AC.....5.5A

DC Battery Direct.....55A

DC Power Outlet.....20A

Output Power: AC.....425W

DC Battery Direct..... 425W

DC Power Outlet..... 155W

(at 2,460MHZ)

Weight: 16.5 lbs

NOTE: Unauthorized modifications to this device could void the user's authority to operate it.

Six Months Limited Warranty

This limited warranty is the only one that applies to this product, and it sets forth all the responsibilities of the manufacturer regarding this product. There is no other warranty other than that described herein. This product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for six months from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users. The manufacturer is not responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty. This warranty does not apply to damage caused by misuse, including wiring or connecting to improper polarity power sources. Defective products may be returned prepaid freight to the manufacturer. Any defective product returned within the six months period will be inspected for cause of defect and, if applicable, a replacement unit will be supplied free of charge. This warranty does not cover accessories, fuses, defects caused by normal wear and tear (chips, scratches, abrasions, discoloration or fading due to sunlight exposure), neglect, or abuse.

To request warranty for this product contact the manufacturer at the website listed below:

www.thewavebox.com

Healthy Food. Healthy People. Healthy World.