



FAST WITHOUT MICROWAVE

***Heavy-Duty Fast Cooking Multi-Technology Oven
Instruction Manual***

VK-120: 120V

VK-220: 220V

VKII-220: 220V




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VariKwik™

IMPORTANT SAFETY INSTRUCTIONS

 **WARNING:** When operating this unit, strictly adhere to the following safety precautions to reduce the risk of burns, electric shock, fire, injury, damage to units or property near units.

General Safety Information

- Read all instructions before using this appliance.
- This appliance must be grounded. Connect only to a properly grounded outlet.
- Install or locate this appliance only in accordance with the provided installation instructions.
- This appliance should be serviced by qualified service personnel only. Contact Cadco, Ltd. to obtain information of the nearest authorized service facility for examination, repair, or adjustment.
- Keep the cord away from heated surfaces.
- Use this appliance only for its intended uses as described in this manual.
- DO NOT use corrosive chemicals or vapors in this appliance; it is not designed for industrial/laboratory use.
- DO NOT allow children to use this appliance.
- DO NOT operate this appliance if it has a damaged cord or plug, is not working properly, or has been damaged or dropped.
- DO NOT store this appliance outdoors.
- DO NOT use this product near water (e.g., near a kitchen sink, in a wet basement, near a swimming pool).
- DO NOT immerse the cord or plug in water.
- DO NOT let the cord hang over the edge of a table or counter.
- DO NOT use a water jet for cleaning.
- This appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.


Reducing Fire Risk

- DO NOT use the cook cavity for storage purposes.
- DO NOT overcook food. Carefully attend to the unit if paper, plastic, or other combustible materials such as parchment paper are placed inside the unit to facilitate cooking.
- DO NOT leave paper products, cooking utensils, or food in the cavity when the unit is not in use.

Grounding Instructions

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 oven is equipped with a cord that has a grounding wire with a grounding plug, which must be plugged into an outlet that is properly installed and grounded. Consult a qualified electrician or serviceman if uncertain about the ability to follow grounding instructions or if doubt exists as to whether the appliance is properly grounded.

DO NOT use an extension cord. If the power cord is too short, have a qualified electrician or serviceman install an outlet near the appliance.

 **WARNING:** Improper grounding can result in risk of electric shock.

Power Cord Replacement or Removal

If the power cord is damaged, it must be replaced by the manufacturer, or its approved service agent.

Certification





Construction

Exterior - Stainless steel corrosion-resistant outer wrap, tempered glass door, galvanized rear enclosure.

Interior – Stainless steel, and removable anodized heat plate.

Electrical Specifications

VK-120: 1650 W, 120V, 60 Hz, 13.75 A, NEMA 5-15P plug 

VK-220 & VKII-220: 3365 W, 220V, 60 Hz, 15.3 A, NEMA 6-20P plug 

INSTALLATION

Install or locate this appliance only in accordance with the instructions below.

Unpacking Instructions

- Remove the unit from its packaging.
- Before discarding, check the packaging thoroughly for accessories and literature.
NOTE: Packaging may also be retained in case the unit may at some point be shipped or returned to the manufacturer.
- Check the cooking cavity thoroughly for accessories and literature.
- Discard any packaging in the cooking cavity.
- Peel the point-of-sale sticker off the door.

Installation Warnings - Read Before Lifting Unit

WARNING:

VK-120 & VK-220 ovens weigh approximately 57 lb. (25.9 kg).

VKII-220 units weigh approximately 63 lb. (28.6 kg).

Never lift with fewer than two people.

WARNING: The unit must be properly placed on a food station at all times. We will not recognize a fallen unit as a warrantable claim and are not liable for any injuries that may result.

WARNING: This unit is not intended for built-in installation (i.e., installing the unit in any structure that surrounds the unit by five or more sides).

Be sure to provide a minimum of 4" (101.6 mm) clearance for all sides and 10" (254 mm) clearance for the top.

WARNING: These units are only stackable with the optional **VariKwik™ stacking kit** which will be available in 2018. Contact Cadco, Ltd. for details.

Lifting and Placing the Unit

- Prepare a surface at least 30" (762 mm) wide and 27.75" (704.9 mm) deep (30.75"/781.05 mm for VKII-220) and capable of supporting the approximately 57-63 lb. (25.9 -28.6 kg) VariKwik™ unit.
- NOTE: Do not remove the unit legs, as clearance is required for ventilation.

Place the unit on the prepared surface, ensuring no edges are hanging off the sides.

- **Accessories Included**

- In order to insure the cooking performance of the VariKwik™ oven, it is very important to use the provided anodized heat plate.
- In addition, Cadco Ltd. provides an aluminum spatula to help place and remove prepared food.



EXHAUST CHIMNEY

On the back side of the unit is an exhaust chimney from which the exhaust that comes from the cavity is ejected. During each cooking cycle you may have hot air and/or humidity coming out from this chimney (temperature and humidity of the exhaust depend on the cooking parameters set on the unit and on the type and quantity of food put inside the unit).

1. INSTRUCTIONS FOR THE OPERATOR

You will find important information about maintaining and operating your new oven in this manual. Please read the manual and become familiar with your new unit before you begin to operate it. Keep the manual in a safe place and make sure everyone reads it before operating the unit. Please use only Cadco authorized service centers and always require quality Cadco OEM parts. Failure to comply with these standards can compromise safety and will void your warranty.

2. NOTES FOR USE

- Your VariKwik™ oven was designed to cook and retherm food and must be used only for that specific purpose. Any other use may void your warranty.
Use your VariKwik™ oven for tasks such as:
 - ◆ Retherming/reheating
 - ◆ Finishing
 - ◆ Browning
 - ◆ Melting cheese
- The maximum operating temperature is approximately 500°F.
Your oven's **pre-heat temperature** has been pre-set at the factory for 425°F. You may modify this temperature in the **SETTINGS> Adjust Temps> Modify> Adjust Preheat** screen.
- Your VariKwik™ oven features Tri-heat technology:
 - ◆ You may set or modify the amount of time the Conductive and/or Infrared heat elements operate for each recipe, by choosing **RECIPE DEVELOPMENT> Modify Recipe> Choose Daypart> Choose Recipe & Thick or Thin Modify screen. (See page 8.)**
 - ◆ **Convection heat:** Hot air circulated by rear fan. Convection heat operates every time the unit is running.
 - ◆ **Conductive heat:** Bottom heat used for browning underside of food. Typical uses include pizza, flatbreads, sandwich toasting.
 - ◆ **Infrared heat (IR):** Top heating element(s) provide direct heat for finishing: melting cheese, top browning, caramelization, etc.
 - ◆ **NOTE: 220 V units** may be set to use Conductive and Infrared heat simultaneously in any given recipe. **120V units** may only be set to use one or the other at a time, and may be used consecutively.
- Avoid salting food products while they are inside the cooking cavity. Salt is very corrosive and may, over time, damage the interior of your oven.

OPERATION

Before using the oven for first time, perform cleaning steps listed on page 12.

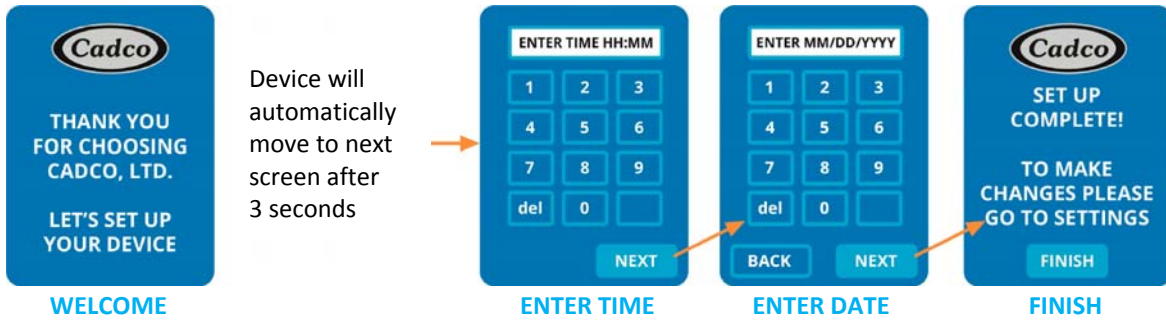
When the VariKwik™ oven is properly installed, here are very simple instructions on the operation.

The first time the unit is plugged into an outlet the following screen will appear (see next page):

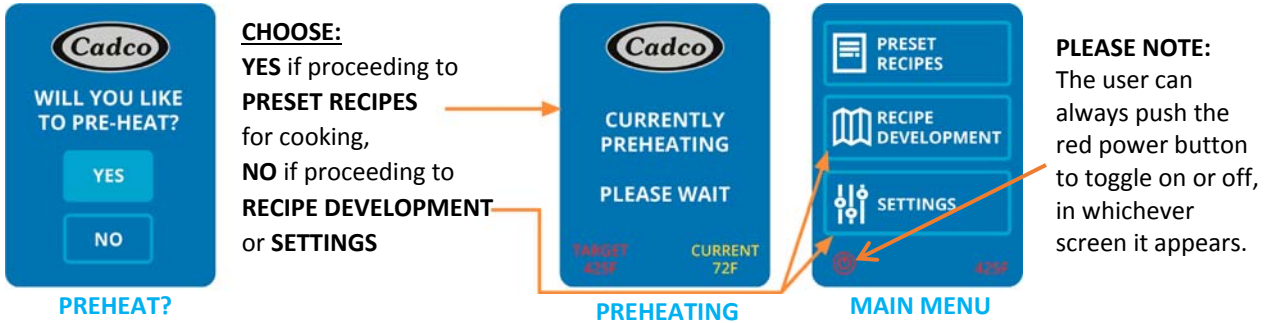
(NOTE: Every time the unit is unplugged and plugged back in, the setup screens for date & time will appear. You may bypass them by clicking the "Next" button.)

PRELIMINARY SETUP

- Please enter current time and date:
 - ◆ **For Time** – use a "0" for the first number when entering single digit hours/minutes (ex. 02:01.)
 - ◆ **For Date** – use a "0" for the first number when entering single digit months/days (ex. 01/01/2016.)



- Once the "FINISH" button is pressed after **SETUP**, **OR** when the dark screen is touched after a period of non-use (**STANDBY MODE**), the following screens will appear:



PRESET RECIPES

- There are factory preset recipes programmed into your oven. You may modify them in the **RECIPE DEVELOPMENT > MODIFY RECIPE** section. You may also upload your own recipes in the **RECIPE DEVELOPMENT > UPLOAD RECIPE** section. (See pages 8-9.)
- To access preset recipes, follow the steps below:

Current Preset Recipes:
(each has Thick/Thin option = 2 recipes)

BREAKFAST:	LUNCH/DINNER:	SNACK:
Danish	Pizza - Fresh	Quesadilla
Croissant	Open Face Sandwich	Cheese Melt
English Muffin	Pasta Retherm	Wings
Sandwich	Pizza - Frozen	French Fries
P1	P1	P1
P2	P2	P2
P3	P3	P3
P4	P4	P4

The "P" recipes are set up so that you may modify them to your own specifications without uploading from USB, unless you need to rename them and/or upload a photo.

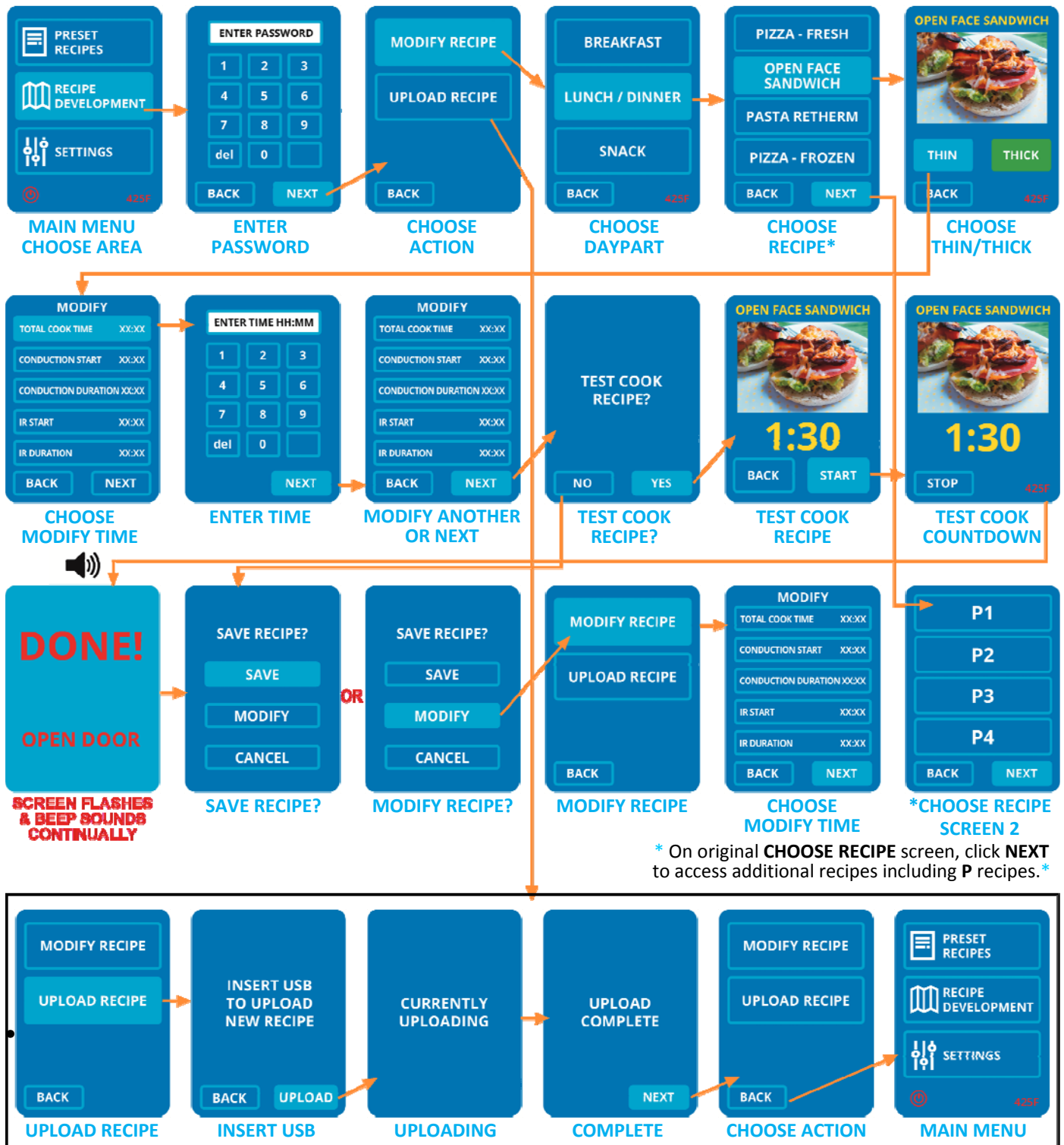


CLICK NEXT to access additional Recipe choice screens including P recipes.

RECIPE DEVELOPMENT

- In this section, you may modify the factory preset recipes programmed into your oven, and/or upload your own additional recipes.

NOTE: The factory preset password is 1234. You may change it in the SETTINGS section.



After Upload has completed, the screen will transition to the main **MODIFY RECIPE / UPLOAD RECIPE** screen after 20 seconds, or the user can select the **NEXT** button.

On the **MODIFY / UPLOAD** screen, press **BACK** to return to **MAIN MENU** screen.

The VariKwik's USB port is located on the lower right side of the unit. Go to www.Varikwik.com to download the Excel/.csv template for programming new recipes and loading to your USB drive.

- **MODIFY EXISTING RECIPE (Changing COOK TIMES & TRI-HEAT COMBINATIONS)**

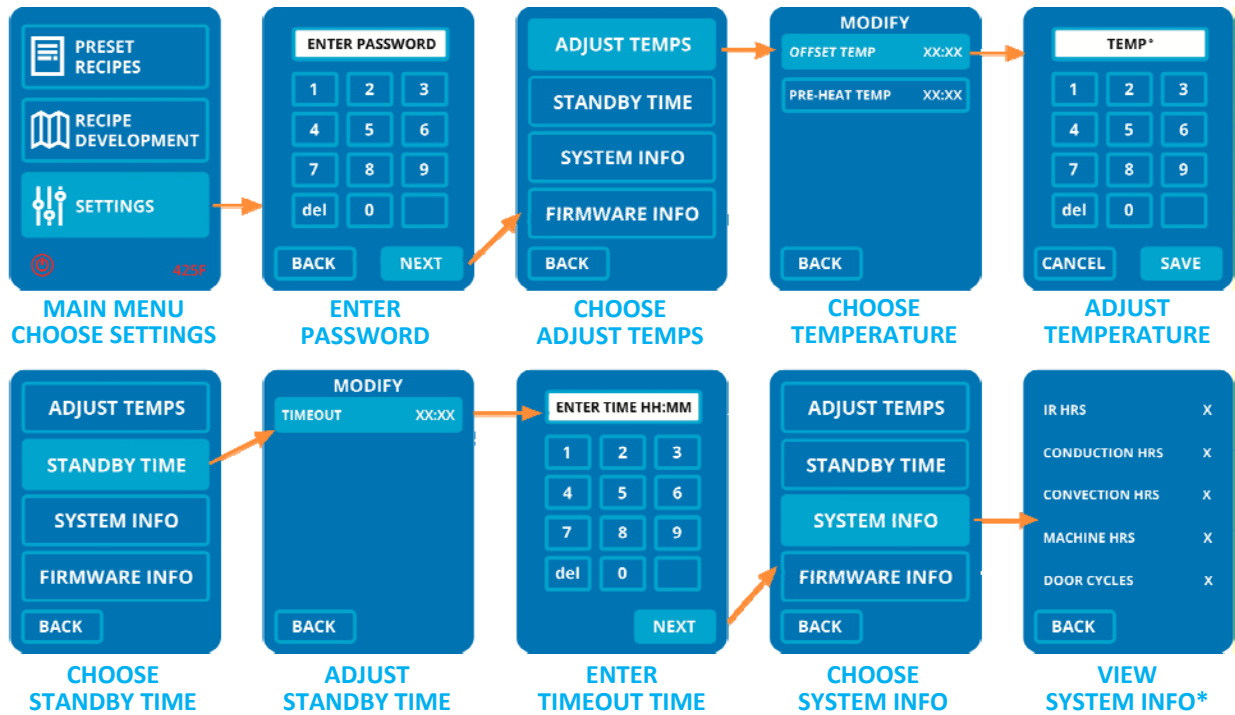
- ◆ Push **RECIPE DEVELOPMENT** on the **MAIN MENU**.
- ◆ On next screen, enter password (factory set to **1234**), then push **NEXT**.
- ◆ On next screen, choose **MODIFY RECIPE** > then choose daypart (**BREAKFAST, LUNCH/DINNER, SNACK**) > then choose recipe* > then choose **THIN** or **THICK**.
- ◆ (*If the recipe you want to modify is not on the first screen, press arrow or **NEXT** to access additional recipe screens for that daypart.)
- ◆ On the **MODIFY** screen, press the item you want to modify.
- ◆ **Your VariKwik™ oven features Tri-Heat technology:**
 - You may set or modify the **TOTAL COOK TIME** and/or the amount of time the Conduction and/or Infrared heat elements operate for each recipe. (**NOTE: Convection heat** - hot air circulated by rear fan - operates every time the unit is running.)
 - **Conductive heat:** Bottom heat used for browning underside of food. Typical uses include pizza, flatbreads, sandwich toasting.
 - **Infrared heat (IR):** Top heating element(s) provide direct heat for finishing: melting cheese, top browning, caramelization, etc.
 - **NOTE: 220 V units** may be set to use Conductive and Infrared heat simultaneously in any recipe. **120V units** may only be set to use one or the other at a time, and may be used consecutively.
- ◆ After entering your desired time modifications, press **NEXT**.
- ◆ **TEST COOK RECIPE?** Screen will appear:
 - **If you wish to save the recipe without test cooking or further modifications:**
 - ◇ Press **NO** when the **TEST COOK RECIPE?** Screen appears.
 - ◇ The **SAVE RECIPE?** Screen will appear. Press **SAVE**. The recipe will be saved and the **MAIN MENU** screen will appear.
 - **If you wish to test cook the recipe you just modified:**
 - ◇ Press **YES**. A screen for the selected recipe will appear.
 - ◇ Place your food product to be tested into the unit, and then press **START** on the recipe screen.
 - ◇ When recipe is done, **DONE** screen will flash and beep will sound continually until unit door is opened. Check food to see if the recipe was successful or if it must be further modified.
 - ◇ The next screen will ask if you want to **SAVE** the modified recipe, or **MODIFY** the recipe further.
 - If you **SAVE** the recipe, the screen will revert to the **MAIN MENU** screen.
 - If you press **MODIFY RECIPE**, next screen will be the main **MODIFY** screen, and you may proceed with further modifications as described above.

- **UPLOADING RECIPES VIA USB**

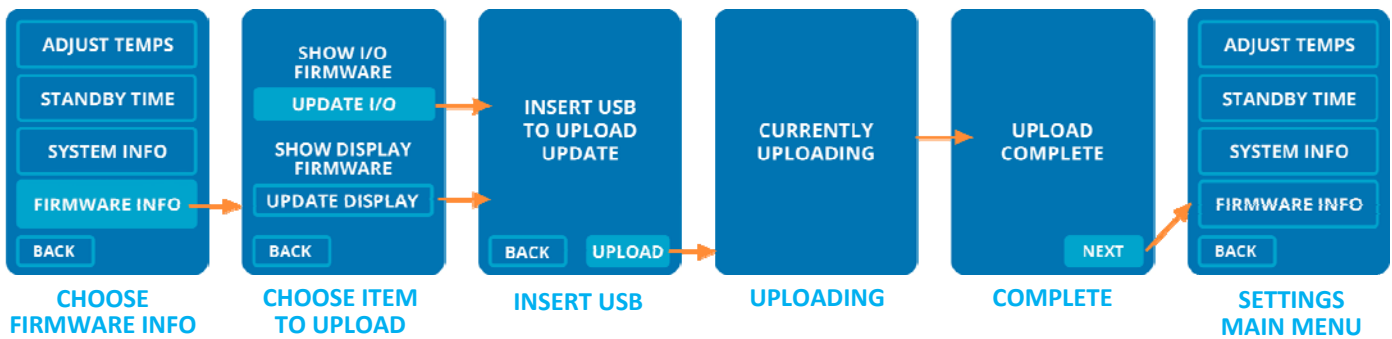
- ◆ Go to www.Varikwik.com to download the Excel/.csv template for programming new recipes, and associated template and photo guidelines.
- ◆ Enter your recipe information into the template and load template and your recipe photos onto your USB drive. **NOTE: USB must contain no folders or other non-recipe related items, other than downloaded Varikwik Firmware updates.**
- ◆ Insert your pre-loaded USB drive into the USB port located on the lower right side of the unit.
- ◆ On the **MAIN MENU** screen, press **RECIPE DEVELOPMENT**. On next screen, enter **PASSWORD**.
- ◆ On next screen, press **UPLOAD RECIPES**, and on the next screen, press **UPLOAD**.
- ◆ After upload is complete, the screen will transition to the main **MODIFY RECIPE / UPLOAD RECIPE** screen after 20 seconds, or the user can select the **NEXT** button.
- ◆ On the **MODIFY RECIPE / UPLOAD RECIPE** screen, press **BACK** to return to **MAIN MENU** screen.

SETTINGS

- In this section you may adjust **OFFSET** and/or **PRE-HEAT TEMPERATURES**, set **STANDBY TIME**, access **SYSTEM INFORMATION**, and update **I/O** and **DISPLAY FIRMWARE**.



***Conduction** = Bottom heating element
Convection = hot air circulated by rear fan; operates continually
IR = Infrared top heating element



Visit www.Varikwik.com for the most up to date **FIRMWARE** (download and load onto USB) and **Instruction Manual**.

The most current **I/O** and **DISPLAY FIRMWARE** will download together. When uploading to your Varikwik unit, follow process shown above to upload **I/O FIRMWARE** update.

When upload is complete and you reach the **SETTINGS MAIN MENU**, repeat the process to upload the **DISPLAY FIRMWARE**.

When you arrive at the **SETTINGS MAIN MENU** after uploading **DISPLAY FIRMWARE**, press **BACK** to return to the Varikwik™ unit **MAIN MENU**.

- **ADJUST TEMPS (Changing OFFSET TEMP &/OR PRE-HEAT TEMP)**
 - ◆ Push **SETTINGS** on the **MAIN MENU**.
 - ◆ On next screen, enter password (factory set to **1234**), then push **NEXT**.
 - ◆ On next screen (**SETTINGS MAIN MENU**), choose **ADJUST TEMPS** > then choose temperature to adjust:
 - **OFFSET TEMP** (the temperature swing within which a program will run without needing to preheat again. Example: If the recipe calls for 400F, then setting the **OFFSET TEMP** to **20F** will allow the recipe to run when the unit temperature is 380F – 420F.)
 - ◇ On the next screen, enter your desired offset temperature, and press **SAVE**.
SETTINGS MAIN MENU will appear.
 - **PRE-HEAT TEMP** (the temperature to which the unit will heat when you choose **YES** on the **WILL YOU LIKE TO PREHEAT?** Screen. That screen appears by touching the dark screen which appears after a period of non-use (**STANDBY MODE**), or after the initial setup screens have been bypassed after the unit has been unplugged and then plugged back in.
 - ◇ On the next screen, enter your desired **PRE-HEAT** temperature, and press **SAVE**.
SETTINGS MAIN MENU will appear.
- **ADJUST STANDBY TIME (The time duration between the last use of the oven and powering down into STANDBY MODE.)**
 - ◆ On the **SETTINGS MAIN MENU**, press **STANDBY TIME**.
 - ◆ On the next screen, press **TIMEOUT**, and on the following screen, enter the desired amount of time for the timeout. Use a “0” for the first number when entering single digit hours/minutes (ex. 02:01.) Then press **SAVE** to return to the **SETTINGS MAIN MENU**.
- **VIEW SYSTEM INFO (Number of hours your oven has run in each of the 3 heat modes, & number of door opening/closing cycles)**
 - ◆ On the **SETTINGS MAIN MENU**, press **SYSTEM INFO**. View/record information as desired.
 - ◆ Press **BACK** to return to **SETTINGS MAIN MENU**.
- **VIEW / UPDATE FIRMWARE INFO (I/O Firmware and DISPLAY FIRMWARE)**
 - ◆ Visit www.Varikwik.com to download the most up to date **FIRMWARE** for your unit. Then load it onto a USB device. The most current **I/O** and **DISPLAY FIRMWARE** will download together.
 - ◆ **NOTE: USB must contain no folders and no other files other than downloaded Varikwik Firmware updates, upload recipe template and associated photos.**
 - ◆ On the **SETTINGS MAIN MENU**, press **FIRMWARE INFO**.
 - ◆ On the next screen, press **UPDATE I/O**.
 - ◆ When prompted, insert your USB device into the USB port on the right side of your VariKwik™ oven, and press **UPLOAD**.
 - ◆ When **UPLOAD COMPLETE** screen appears, press **NEXT** to return to **SETTINGS MAIN MENU**.
 - ◆ (Do not remove your USB device.)
 - ◆ On the **SETTINGS MAIN MENU**, press **FIRMWARE INFO**.
 - ◆ On the next screen, press **UPDATE DISPLAY**.
 - ◆ When prompted, press **UPLOAD**.
 - ◆ When **UPLOAD COMPLETE** screen appears, press **NEXT** to return to **SETTINGS MAIN MENU**.
 - ◆ Press **BACK** to return to the VariKwik™ oven **MAIN MENU**.

CLEANING THE UNIT

- **WARNING: Before starting any maintenance or cleaning operation, it is necessary to disconnect the electrical power supply and wait for your unit to cool down.**
- Never allow grease splatters or spills to collect on the inside walls, floor, or ceiling of your unit. A simple cleaning with soap and water is usually enough to keep your appliance spotless and in “like new” condition for years. Your oven should never be cleaned with a water hose or anything more powerful than a spritz bottle. For tougher cleaning and built up grease, we suggest using Foam Plus® from Discovery Products Corporation (Tel. 877.822.8500.)
- **Never clean the cavity with acids, abrasives, or aggressive detergents.**
- **WARNING: Using a VariKwik™ oven without a gasket or with one in disrepair may cause the hinges to seize, as well as limit the oven's ability to maintain the proper temperature. Doing so will void the warranty on the hinges. Please inspect and clean the door gaskets daily.**

1. BEFORE USING THE OVEN FOR FIRST TIME

- Before plugging unit in:
- Pull out & clean anodized heat plate and side racks separately (using damp cloth, hot soapy water), then replace when done.
- Clean cavity (using damp cloth, hot soapy water.)
- With the cavity empty, preheat the unit to 400°F and run for 15 minutes (eliminating odors caused by residual protective factory grease.)

2. GENERAL

- Wipe up any spills as they occur (after the unit has cooled down for 30-35 minutes.)
- Never clean the cavity with acids, abrasives or aggressive detergents.
- Never use a spray of water to clean the outside of your oven. This may damage the electrical components and void your warranty.

3. DAILY CLEANING

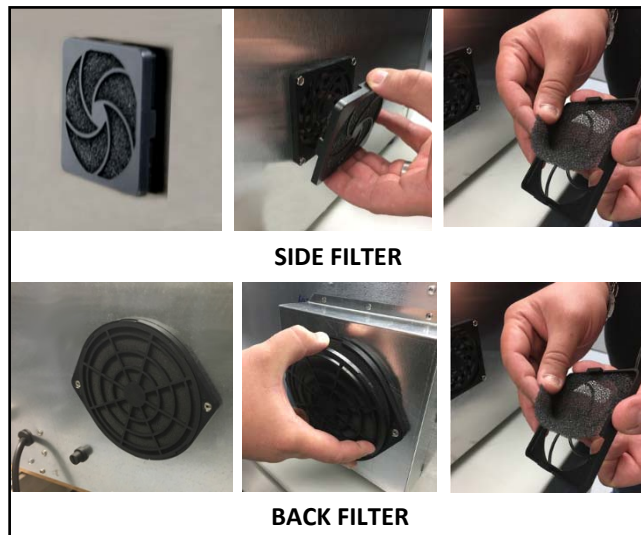
- Unplug unit and let it cool down for 30-35 minutes.
- Clean the cavity and door gasket using only proper products (degreaser, damp cloth.) (Never clean the cavity with acids, abrasives, or aggressive detergents.)
- Pull out & clean anodized heat plate and side racks separately (using damp cloth, hot soapy water), then replace when done.
- For heavily soiled areas, let degreaser sit to penetrate before wiping with damp cloth or scrub pad.
- Wipe door handle, door glass (inner and outer), and control panel using only proper products (detergent, damp cloth.)
- Wipe dry after each cleaning process.

4. WEEKLY CLEANING

- Follow protocol for Daily Cleaning.
- Remove and clean door gasket:
 - Pull gasket out of the channel.
 - Clean with detergent & water or dishwasher.
 - Wipe dry and let sit until completely dry.
 - To replace after cleaning, push back into channel around door.
- Clean the outside of the unit using only proper products (degreaser, damp cloth.)
- Never clean the unit with acids, abrasives, or aggressive detergents.
- Wipe dry after each cleaning process.

5. MONTHLY CLEANING

- **FILTERS** – There are 2 air filters: a square one on the left side of the unit and a larger round one in the back of the unit. They are removable for cleaning without requiring any tool.
 - Gently pull black cover off of the filter.
 - Hand wash with detergent & water (DO NOT place in dishwasher.)
 - Pat dry and let sit until completely dry.
 - To replace after cleaning, position dry filter in its black cover, and pop it back into place on the unit.



TURNING OFF IN CASE OF BREAKDOWN

If you encounter any kind of problem while your unit is in operation, or if you notice anything out of the ordinary, follow these steps:

- ◆ Unplug your unit immediately.
- ◆ Consult Cadco, Ltd. at 877-603-7393 (Toll-Free)

Failure to do so may result in a hazardous condition and void your warranty.

MAINTENANCE

1. ORDINARY MAINTENANCE

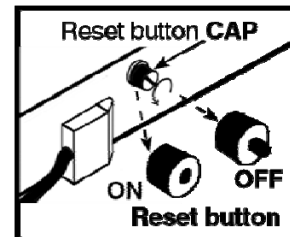
- All maintenance operations must be done only by trained, approved personnel.
- Before starting any maintenance operation, disconnect your unit from the electrical power supply and wait for it to cool down.
- The parts that need ordinary maintenance can be reached by removing the top housing enclosure.

2. SPECIAL MAINTENANCE

- All maintenance operations must be done only by trained, approved personnel.
- Before starting any maintenance operation, disconnect your unit from the electrical power supply and wait for it to cool down.

RESET THE SAFETY THERMOSTAT

- This unit is equipped with a manually resettable safety thermostat designed to protect the unit against overheating. If this occurs, it completely deactivates the unit to avoid permanent damage.
- To reset the safety thermostat, remove the black cap positioned at the bottom of the back of the unit by unscrewing it counterclockwise, push the reset button under the cap, and replace the black cap.
- If the safety thermostat shuts your oven off, before turning your unit back on, be sure to check your entire circuit to verify that the total amps being drawn by all the appliances, lights, etc. on that circuit do not exceed the amps available on that circuit.



WARRANTY

- Cadco, Ltd. warrants VariKwik™ ovens (in the United States and Canada) to be free from defects in material and workmanship for a period of two years from date of purchase, unless otherwise noted below***.
- Warranty does not apply in cases of misuse, abuse or damage from external service or repair attempts by unauthorized personnel.
- Your appliance was designed to cook and retherm food and must be used only for that specific purpose. Any other use may void your warranty.
- **Copy of original invoice is required for proof of purchase date for warranty coverage.**
- **ALL WARRANTY / SERVICE ISSUES MUST BE AUTHORIZED FIRST! PLEASE CALL TOLL-FREE (877) 603-7393.**
- **WARRANTY PERIODS:**
 - **Two year limited warranty (One year on-site service & parts, 2nd year parts only)*****
 - *****90 day warranty on all gaskets. NOTE:** These items are easily changeable on-site by user and **do not qualify for service center warranty assistance.**
NOTE: Using a Cadco oven without a gasket or with one in disrepair may cause the hinges to seize, as well as limit the unit's ability to maintain the proper temperature. Doing so will void the warranty on the hinges. Please inspect and clean the door gaskets daily.
 - *****30 day warranty on glass.**
If required, call Cadco directly for warranty replacement of these items within first 90 days.
 - **OVEN MOTORS ARE BACKED BY A ONE YEAR WARRANTY**
- **WARRANTY PROCEDURES:**
 - ◆ ***Please do not take your oven to the store where you purchased it for warranty repair. For the Cadco authorized US service agent nearest you, please contact:***
Cadco, Ltd., 200 International Way, Winsted, CT 06098
Tel. (860) 738-2500, Fax (860) 738-9772
E-mail: info@cadco-ltd.com, Web site: www.cadco-ltd.com

Please note: visit our website www.Varikwik.com to download the most up to date Instruction Manual, I/O Firmware, Display Firmware, and Excel template for programming new recipes.

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