



Quantity

Automatically adjusts preprogrammed cook cycle for cooking two of the same food item.



A/B Pad

Toggles selection between two sets of preprogrammed menu settings.



Time Entry

Cooking time can be changed for either manual entry or programming.



Power Level

Changes microwave power level for different stages of a cook cycle.



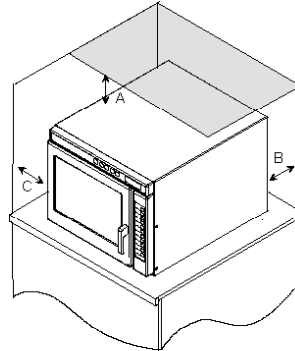
Stage

User can program up to four different stages per keypad to combine power levels and time changes.



Program Save

Programs or settings can be changed and saved based on a user's preference.



Oven Clearances

A—For North American (UL/CSA) models, allow at least 2" (5.1 cm) of clearance around top of oven. For International (50 Hz) models, allow at least 7" (17.8 cm) of clearance around top of oven. Proper air flow around oven cools electrical components. With restricted air flow, oven may not operate properly and life of electrical parts is reduced.
B—Allow at least 2 9/16" (6.5 cm) between air discharge on back of oven and back wall.
C—Allow at least 2" (5.1 cm) around sides of oven.

Manual Operation

To cook food using a specific entered time and power level.

1. Open oven door and place food in oven. Close door.
2. Press TIME ENTRY pad and enter cooking time.
3. Press POWER LEVEL pad to change power level if desired.
 - For a lower microwave power, press pads 1 (for 10%) through 9 (for 90%)
 - Press same number keypad again to change power level to 100%
4. If stage cooking is desired, press STAGE pad and repeat steps 2 through 4.
5. Press START pad.
6. At end of cooking cycle oven beeps and shuts off. **DONE** displays.

USB Compatibility

A standard USB flash drive is compatible with the microwave oven, allowing the user to save preprogrammed settings to the flash drive rather than the oven.



1. Oven must be in READY mode. If not, open and close the door.
2. Open the oven door completely.
3. Insert USB flash drive.
4. Press and hold the 5 keypad until "USB" appears on the display.
5. To transfer **FROM** the USB flash drive **TO** the oven, press the 1 pad.
 - Or to transfer programs **TO** the USB flash drive **FROM** the oven, press the 2 pad.
6. Push the START pad to begin transfer.
 - Display will read, "Contacting USB card."
 - Display will then read, "Transferring data from USB to oven," or vice versa
7. Once programming has been successfully transferred, display will read, "Done - Loaded ___ Programs."
 - Shut the door to clear the display and begin a cooking cycle.

Preprogrammed Pads

To cook food using preprogrammed cooking sequences.

1. Open oven door and place food in oven. Close door.
 - To add an additional serving press QUANTITY pad.
 - Display will read, "DOUBLE."
2. Press desired pad.
3. Oven begins to cook.
4. At end of cooking cycle oven beeps and shuts off. **DONE** displays.

CLEAN FILTER

This oven displays CLEAN FILTER at user defined intervals. When the message displays, ACP recommends cleaning the air filter thoroughly. **Cleaning the air filter will not shut off the message.** The message will stop displaying automatically after 24 hours. Depending on microwave use and environmental conditions, the filter may need to be cleaned more frequently.

Quick Start Reference Guide

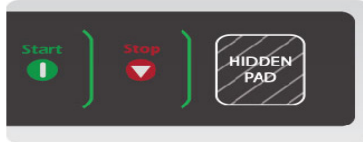
This guide covers model: **MSO***

Refer to *Product Safety Manual for Safety Statements*

Complete Owner's Manual available online

Changing User Options

Options such as single or double pad programming and beep volume can be changed to suit individual preferences.



To change options:

1. Press firmly on hidden pad located to the right of the STOP keypad.
 - Pad is unmarked
 - The display remains blank when hidden pad is pressed.
2. Press PROGRAM SAVE pad
 - The first user option will display. Oven is now in options mode
3. Press desired number pad to control changes in options.
 - See table on next page for options.
 - Current option will display
4. Press the same number pad again to disable or enable the setting.
 - Each time pad is pressed, option will change
 - Changes take effect immediately
 - To change additional options, repeat steps 3 and 4
5. Press PROGRAM SAVE to return to READY mode, or open and close oven door.

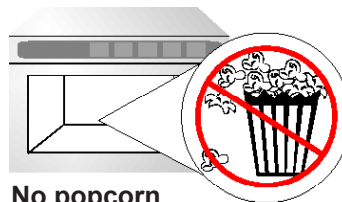
Programming Pads

1. **READY** must be in the display. If not, open and close the door.
2. Press PROGRAM SAVE pad.
 - Programming mode begins
 - "Enter Program to Add/Review" is displayed
3. Press desired number pad to be programmed.
 - Display will show all settings for the pad
 - The pad number that is being programmed displays beside the word **ITEM**
4. Press TIME ENTRY to program amount of cooking time.
 - Enter desired cooking time by using numeric key pads
 - Maximum cooking time is 60 minutes
5. Press POWER LEVEL to program level of microwave power.
 - For a lower microwave power, press pads 1 (for 10%) through 9 (for 90%)
 - Press numeric key pad for desired level. Press same keypad again to set power level to 100%
6. When cooking two of the same food item, press the QUANTITY pad before a preprogrammed cook cycle. The oven will automatically adjust the program.
 - Display will read, "DOUBLE."
 - To clear, open and close the door or press the STOP pad
7. Press PROGRAM SAVE to save the program changes.
8. To discard changes, press STOP/RESET.

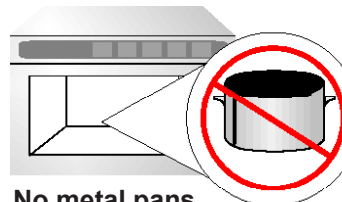
Programming Multiple Stages

Stage cooking allows consecutive cooking cycles without interruption. Up to four different cooking cycles can be programmed into a memory pad.

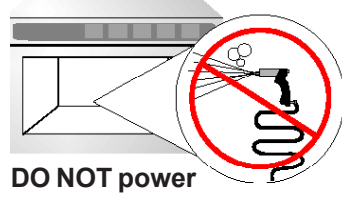
1. Follow steps 1-5 in the *Programming Pads* portion above.
2. Press the STAGE keypad.
 - This will begin programming for the next cooking stage
 - Display indicates stage to be programmed
 - Enter cook time and power level as in steps 4 and 5
 - To enter another cooking stage for that pad, press STAGE again
 - Total cooking time limit is 60 minutes
3. When cooking two of the same food item, press the QUANTITY pad before a preprogrammed cook cycle. The oven will automatically adjust the program.
 - Display will read, "DOUBLE."
 - To clear, open and close the door or press the STOP pad
4. Press PROGRAM SAVE to save programming and changes.
5. To discard changes, press STOP/RESET before pressing PROGRAM SAVE.



No popcorn



No metal pans



DO NOT power spray

Top or Bottom Only Cooking

1. Push the POWER LEVEL pad.
 - Select and program the preferred microwave power.
2. If POWER LEVEL pad is pushed a second time, "Top Only" heating option will be selected and displayed.
3. If the POWER LEVEL pad is pushed a third time, "Bottom Only" heating is selected and displayed.
4. If the POWER LEVEL button is pushed a fourth time, the oven resets and both top and bottom will heat.

User Options

Numbered Pads	Displays	Options
1 Double Digit Entry	Disabled Enabled	Allows 10 (0-9) preprogrammed pads Allows 100 (00-99) preprogrammed pads
2 Manual Programming	Disabled Enabled	Manual time entry/cooking not allowed Manual time entry/cooking allowed
3 Reset on Door Open	Disabled Enabled	Opening oven door does not reset oven back to READY mode Opening oven door resets the oven back to READY mode
4 Key Beep	OFF ON	Keys do not beep when pressed Keys beep when pressed
5 Speaker Volume	OFF LOW MEDIUM HIGH	Key beep volume OFF Key beep volume LOW Key beep volume MEDIUM Key beep volume HIGH
6 End of Cook Signal	Solid Beep 3 Second Beep 4 Beeps Once 4 Beeps Repeating	Done signal is a continuous beep until reset by user Done signal is a three second beep Done signal is four beeps continuously Done signal is four beeps, four times
7 Keyboard Active	15 Seconds 30 Seconds 60 Seconds 120 Seconds Always	Keypad time entry window is 15 seconds Keypad time entry window is 30 seconds Keypad time entry window is one minute Keypad time entry window is two minutes Keypad time entry window is always active
8 On-The-Fly Knob	Disabled Enabled	Disables turning the knob to enter manual mode Allows turning the knob to enter manual time entry mode, allows pressing knob to start oven and allows turning the knob to add time before starting a cook cycle
9 Manual Knob	Disabled Enabled	Disables knob completely Enables knob according to Option 8
0 Top or Bottom Cooking	Disabled Enabled	Disables the use of top or bottom only cooking Enables the use of top or bottom only cooking
Time Entry Pad On-The-Fly Cook	Disabled Enabled	Disables pushing any additional keypads during a cook cycle Allows pushing additional keypads to add or change time in the middle of a cook cycle without stopping
X2 Pad X2 Prompt	Disabled Enabled	Disables X2 prompt Enables X2 prompt
A/B Pad A/B Menus	Disabled Enabled	Disables A/B Menus Enables A/B Menus
Power Level Pad Return to Menu	A B Last Selected	Return to Menu A Return to Menu B Return to last selected menu
Stage Pad Clean Filter Message (Frequency)	Disabled Weekly Monthly Quarterly	Oven will not display CLEAN FILTER Oven will display CLEAN FILTER every seven days Oven will display CLEAN FILTER every 30 days Oven will display CLEAN FILTER every 90 days

Cooking Instructions

Steaming Tips:

1. Cooking Vessels

- a) Always heat or cook food items in covered containers to accomplish:
 - Retention of steam for efficient cooking and to keep foods moist
 - Even cooking results and temperatures
 - A cleaner oven interior and prevention of food splatters
- b) Ceramic, paper, china, styrofoam, glass and plastic are suitable materials for use in microwave ovens. A high temperature resistant amber pan is recommended for ALL items, especially those high in fat or sugar content, as these ingredients get hot very quickly.

2. Food Temperature

- a) To reach a mandatory serving temperature, frozen foods require a longer cook time than refrigerated items.
- b) Refrigerated items:
 - Items stored at 40°F (4°C) in the refrigerator should be covered while heated; except breads, pastries or any products with a breaded coating, which should be heated uncovered to avoid softening.
- c) Room temperature items:
 - Foods held at room temperature, such as canned items or vegetables, will require less time to heat than refrigerated items.
- d) Conventionally prepared foods should be slightly undercooked to prevent overcooking when rethermed by microwave steaming.
- e) After a steaming cycle has been completed, internal food temperatures continue to slightly rise due to the presence of steam.

3. Structure of Food

- a) Food items that are high in fat, sugar, salt and moisture attract and quickly absorb microwave energy, allowing for a shorter cook time.
- b) Items high in protein or fiber require a longer cook time, due to a slower absorption of microwave energy.

4. Quantity

- a) As the mass of food increases, so will the necessary cook time.

Refer to and comply with all USDA/FDA Food Code guidelines when cooking or heating food items.