Instruction Manual
Hedditch Microwave v1.0

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I. Microwave Start-up

1. Plug the micro-USB end of the power into the micro-USB jack on the microwave.
2. Plug the USB end into a power source.
3. Press the reset button (located to the left of the microcontroller).
4. After this, the system will initialize and the LCD will display "HEDDITCH MICROWAVE V1.0."
5. When the initialization is complete, the screen will display "HEDDITCH 12:00PM." This is the home screen.
6. The microwave is now ready for use/operation.

II. Operation

1. The "Pause/Clear" button is located just to the left of the keypad. Press and release the "Pause/Clear" button to pause or exit from any mode/operation.
2. The "Start/Resume" button is located to the left of the "Pause/Clear" button. To resume system operation, press and release the "Start/Resume" button.
3. Pressing and releasing the "Pause/Clear" button a second time will clear the timer or temperature and stop the microwave.
4. When cooking is complete, the microwave will flash "COOKING COMPLETE" (3) times, clear the timer, and then return to the home screen.
5. Timed microwave operation can be started in two ways:

    a) Method 1

        1) While the microwave is displaying "HEDDITCH" followed by the current time, you can simply begin pressing and releasing numbers on the keypad.
        2) Enter the timer value in minutes followed by seconds. (The numbers will enter from the right and move left as new numbers are entered using the following format 00:00).
        3) Press the "Start/Continue" button to start the microwave and begin the countdown.

    b) Method 2

        1) Pressing and releasing the "A" key.
        2) Then follow steps 2 and 3 from Method 1 above.

III. Power

1. Setting the power

    a) To set the microwave power, press and release the "B" key on the keypad.

    b) Enter a number between 0 and 9.

c) The display will show the number entered and the system will return to the home screen, showing the clock.

d) The power has been successfully entered.

IV. Easy Cook

1. Use

   a) The Easy Cook controls can be used to set the timer, set the power, and starts the microwave all in the push and release of one button.

2. Easy Cook

   a) Press and release the "C" key to set the timer to 30 seconds, the power to 9, and start the microwave.

3. Quick Cook

   a) Press and release the "D" key will place the microwave into "Quick Cook" mode.

   b) The display will scroll through the menu of available choices.

   c) The microwave will then wait for the user's choice. See the following table for choices and their corresponding power and time.

Food	Time	Power
Popcorn	1:50	5
Frozen Pizza	1:40	2
Potatoes	5:00	9

V.   Temperature

1.   Setting the temperature

a) Press and release the "E" key to place the microwave in temperature set mode.

b) Enter the desired temperature in degrees Celsius (maximum 99C).

c) Press and release the "Start/Continue" button to start the microwave.

d) The microwave will run at the current power setting until the temperature sensor reads the set value.

e) See section II-4 for mode completion.

VI.   Clock

1. Setting the Clock

a) Press and release the "F" key to place the microwave in clock set mode.

b) Enter the current time, hours first, then minutes. The display will populate the farthest digit to the right first, and this digit will move to the left as more keys are pressed.

c) After the time has been entered, press and release the "E" button to toggle between AM and PM.

d) Press and release the "F" key again to enter the new time and begin the clock.

2. Clock Speed

a) Press and release the "A" twice (2) in order to toggle between regular time and fast time.

1	2	3	Set Timer Toggle Clock Speed
4	5	6	Set Power
7	8	9	Easy Cook
0	Set Clock	Set Temperature	QuickCook