



# MHB PC APPLICATION GUIDE

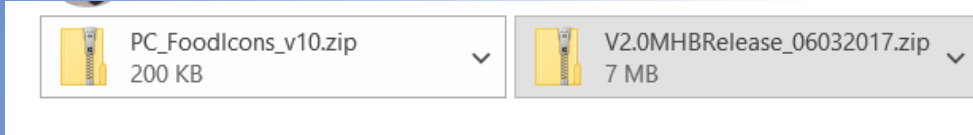
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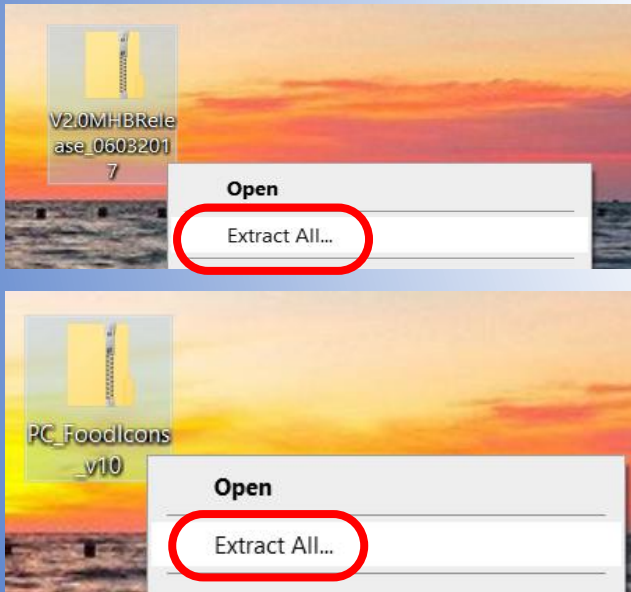


# DOWNLOAD & INSTALL

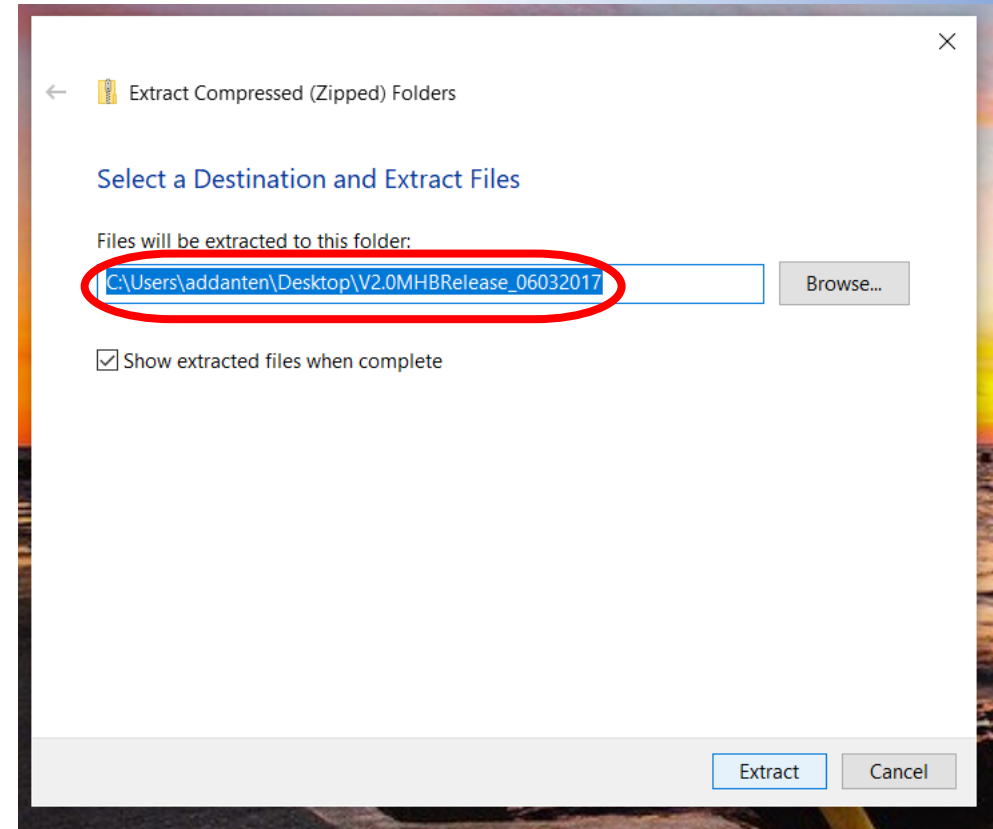
STEP 1: CLICK & DRAG FILES TO DESKTOP:



STEP 2: 'RIGHT-CLICK' & SELECT 'EXTRACT ALL' (IF FILES ARE ZIPPED), OTHERWISE SKIP TO STEP 4:

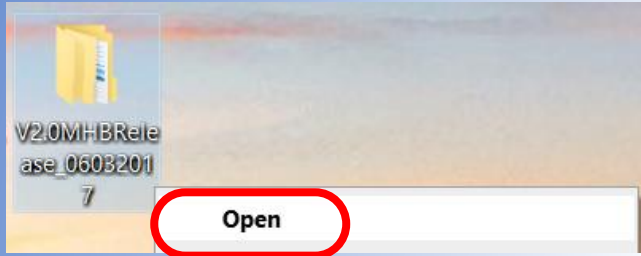


STEP 3: CONFIRM EXTRACT LOCATION FOR BOTH FILE FOLDERS (DESKTOP SHOULD BE LISTED SIMILAR TO AS BELOW)

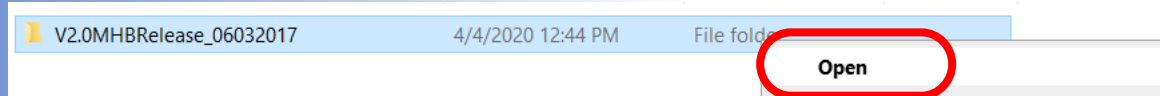


# DOWNLOAD & INSTALL

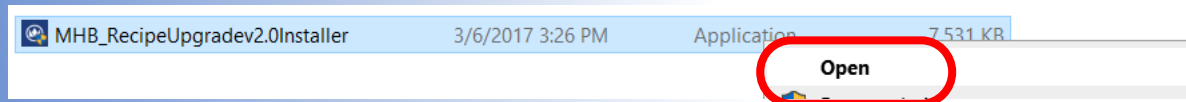
STEP 4: 'RIGHT-CLICK' & 'OPEN' FOLDER:



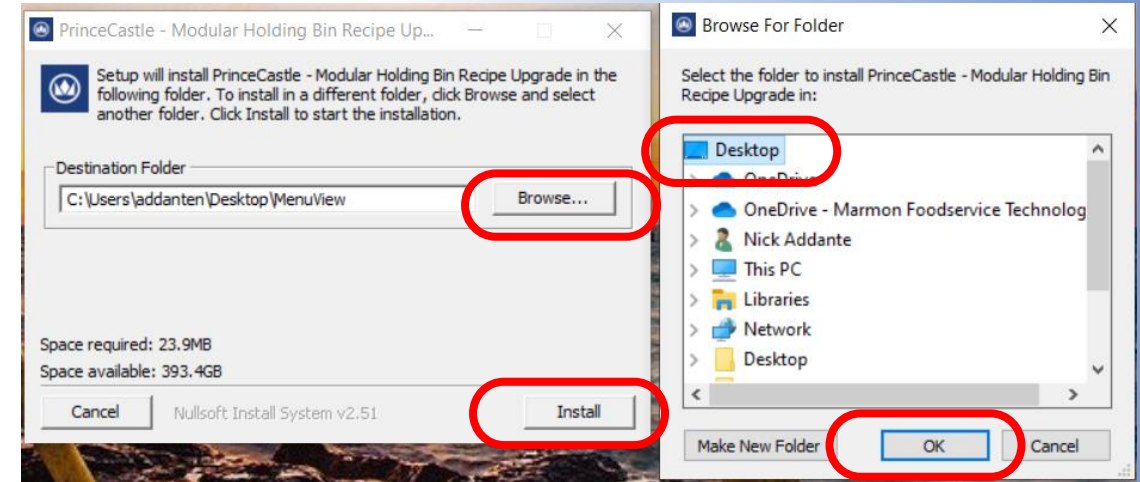
STEP 5: 'RIGHT-CLICK' & 'OPEN' SUB-FOLDER:



STEP 6: 'RIGHT-CLICK' & 'OPEN' INSTALLER:



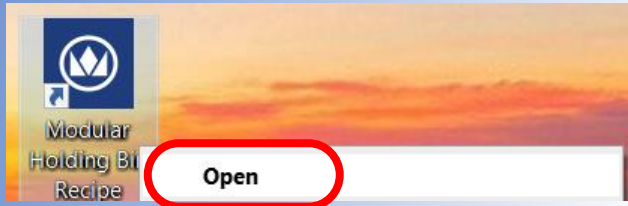
STEP 7: SELECT 'BROWSE', CHOOSE 'DESKTOP', SELECT 'OK'; & CLICK 'INSTALL':



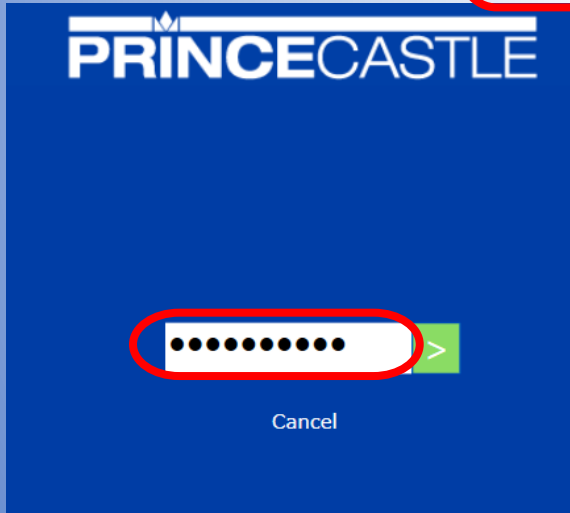


# LOG IN TO APPLICATION

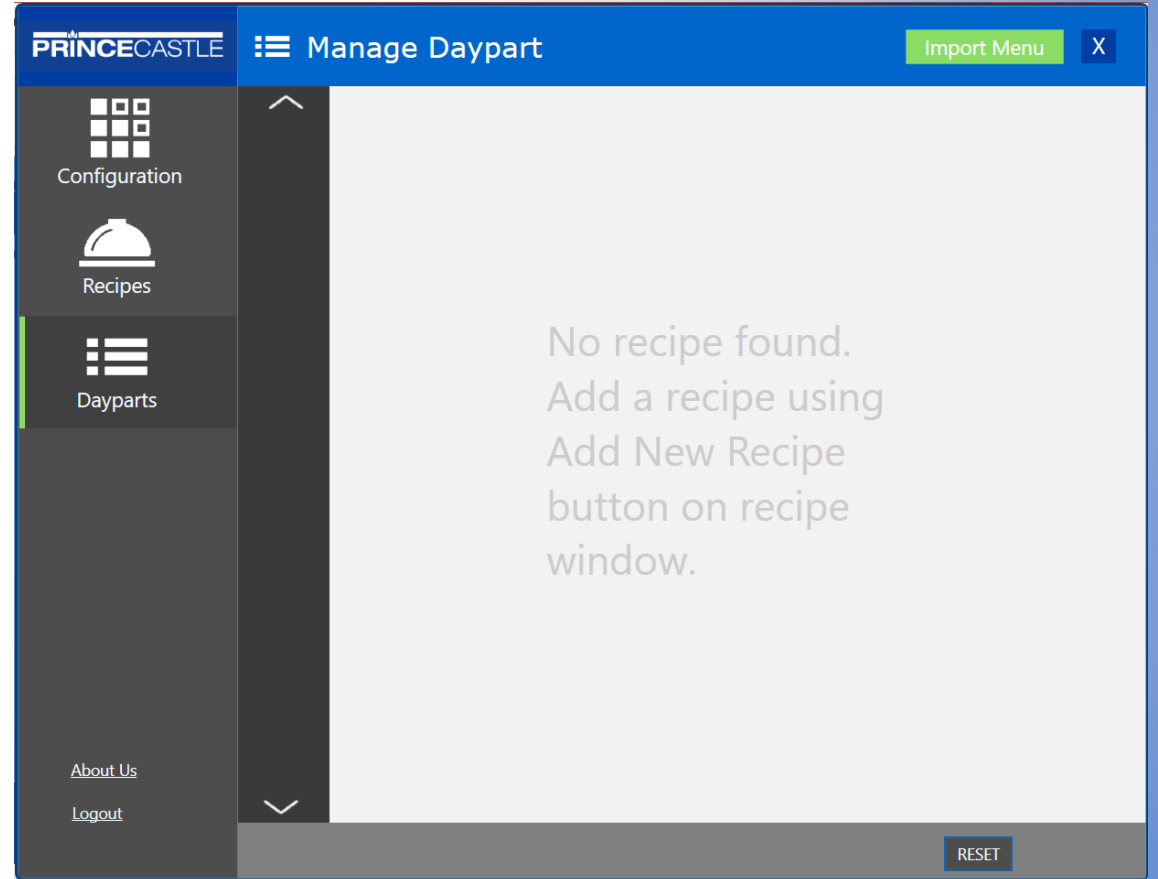
STEP 1: 'RIGHT-CLICK' MODULAR HOLDING BIN RECIPE &  
SELECT 'OPEN':



STEP 2: TYPE IN PASSWORD **FMPassw**ord

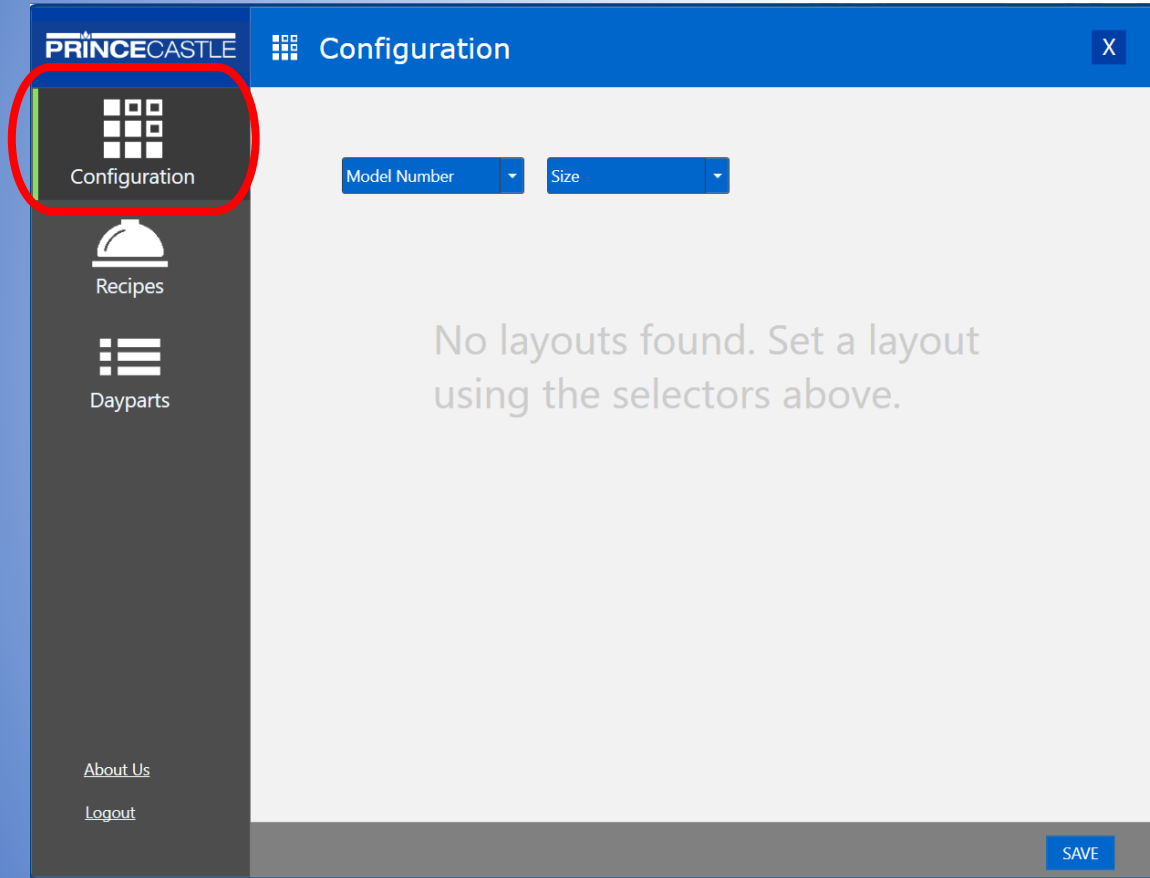


IF DONE PROPERLY THE FOLLOWING SCREEN WILL DISPLAY:

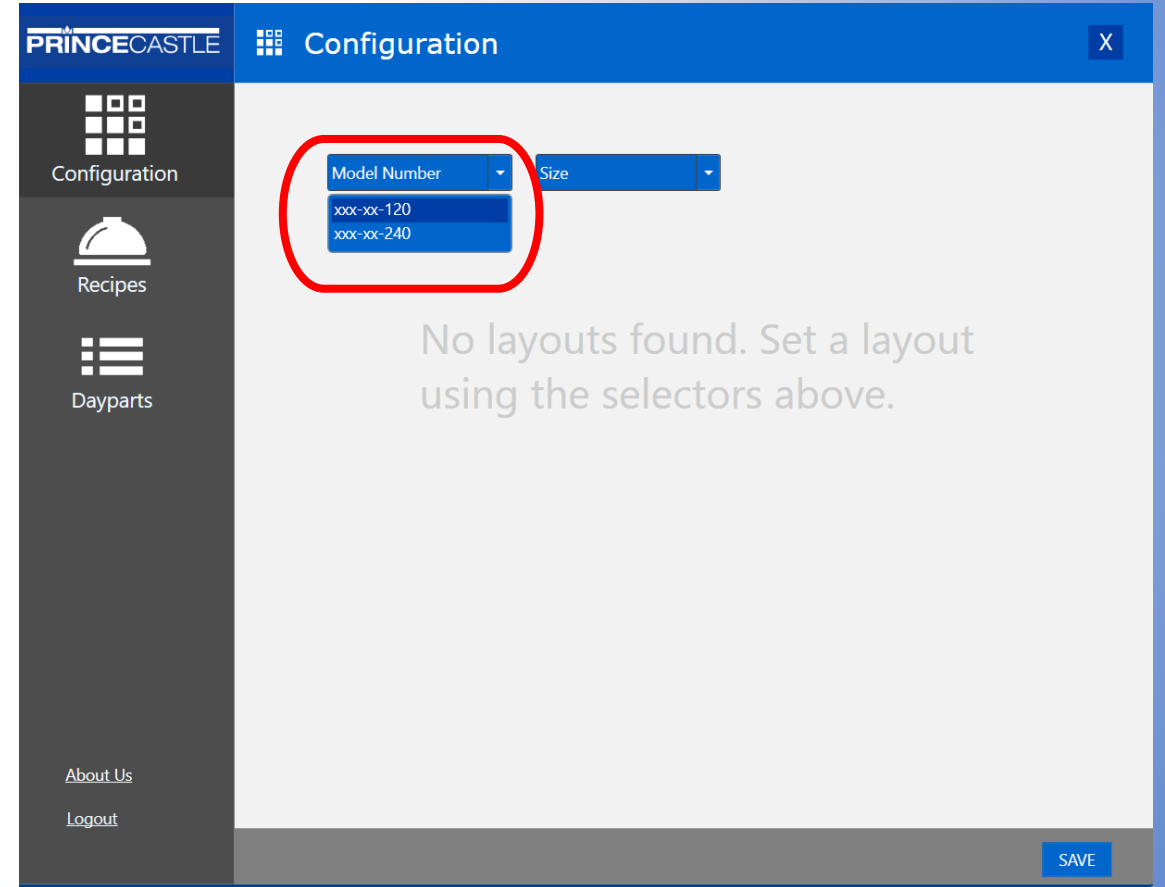


# CONFIGURATION SETUP

STEP 1: 'LEFT-CLICK' ON THE CONFIGURATION ICON:



STEP 2: 'RIGHT-CLICK' ON THE 'MODEL NUMBER' DROP DOWN ARROW:



# MODEL NUMBER

## Model Identification

**MHB**    **100**    **HM1**    **NA**

"Modular Holding Bin"    100 Series    **Component Name**    **Country Code**  
(North America)

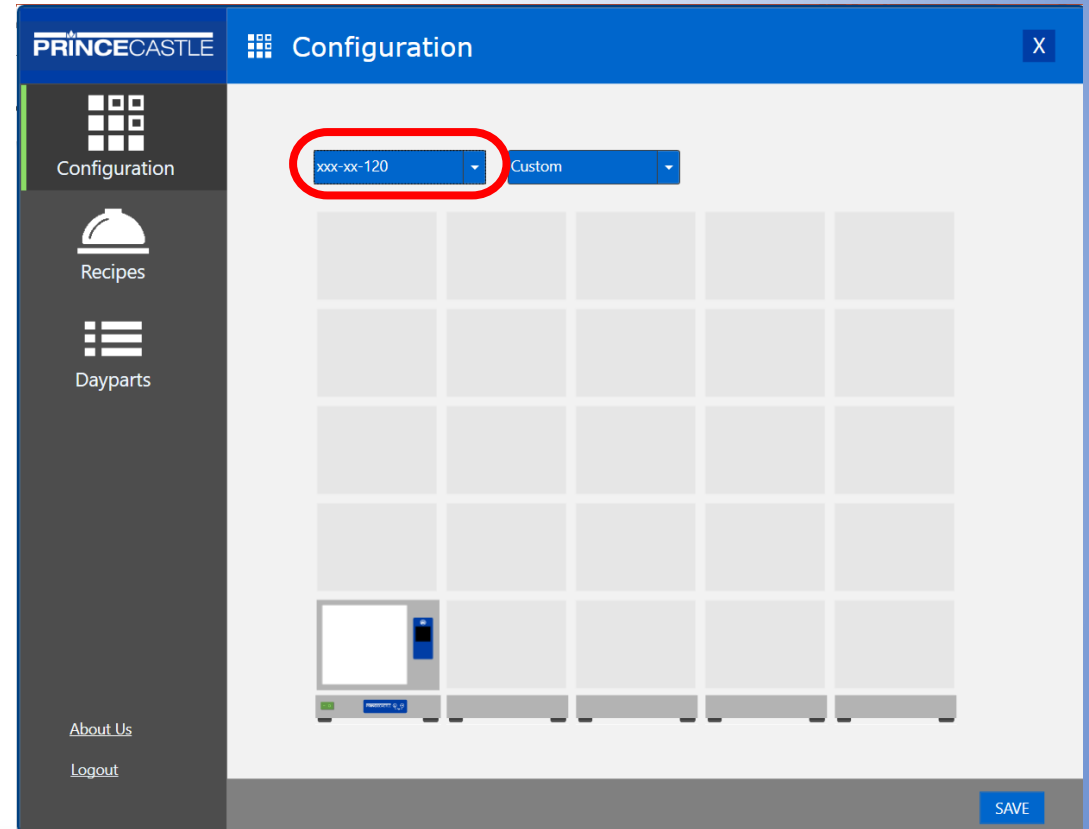
HM1 : Holding Module (100-120VAC)  
HM2 : Holding Module (208-240 VAC)  
MB: Main Base  
EB: Expansion Base

## Specifications

Model	Voltage (V)	
MHB100HM1	100-120 VAC	→ XXX-XX-120
MHB100HM2	208-240 VAC	→ XXX-XX-240
MHB100MB-NA	120 VAC	→ XXX-XX-120
MHB100MB-CE	208-240 VAC	→ XXX-XX-240
MHB100EB	100-120 VAC	→ XXX-XX-120
MHB100EB-U	208-240 VAC	→ XXX-XX-240

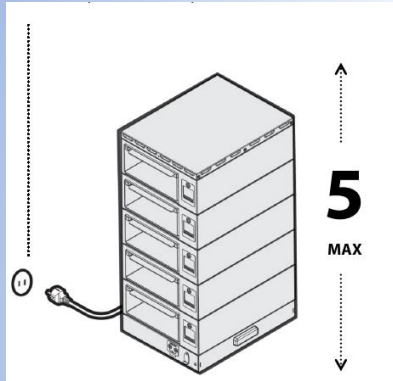
STEP 1A: SELECT **XXX-XX-120** FOR 120V MODELS:

STEP 1B: SELECT **XXX-XX-240** FOR 240V MODELS:

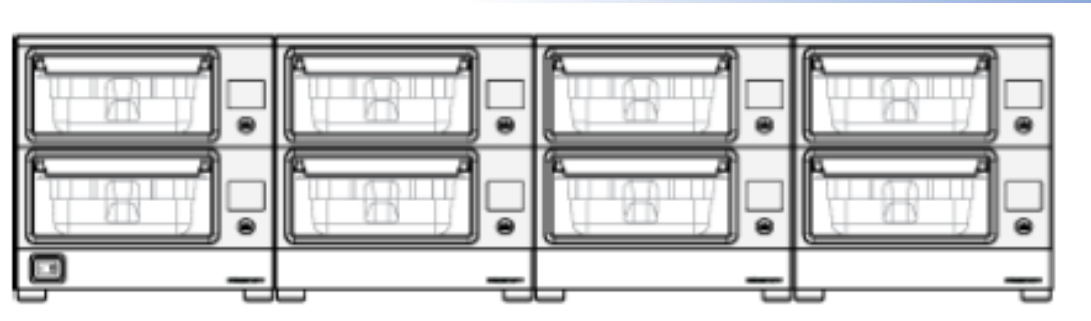


# CONFIGURATION LIMITATIONS

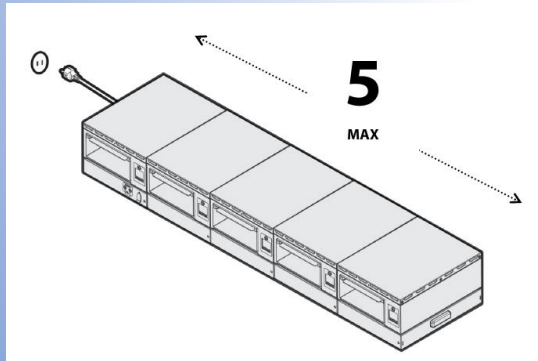
UNITS MAY BE CONFIGURED UP TO 5 UNITS HIGH:



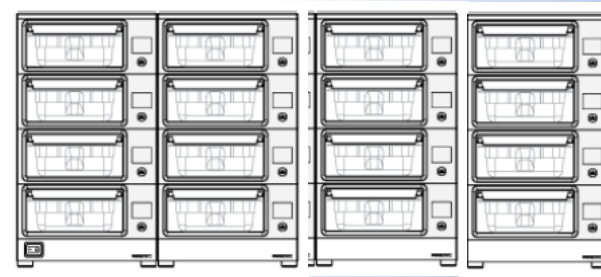
FOR **XXX-XX-120** 120V MODELS A MAXIMUM OF 8 UNITS TOTAL:



UNITS MAY BE CONFIGURED UP TO 5 UNITS WIDE:



FOR **XXX-XX-240** 240V MODELS A MAXIMUM OF 16 UNITS TOTAL:

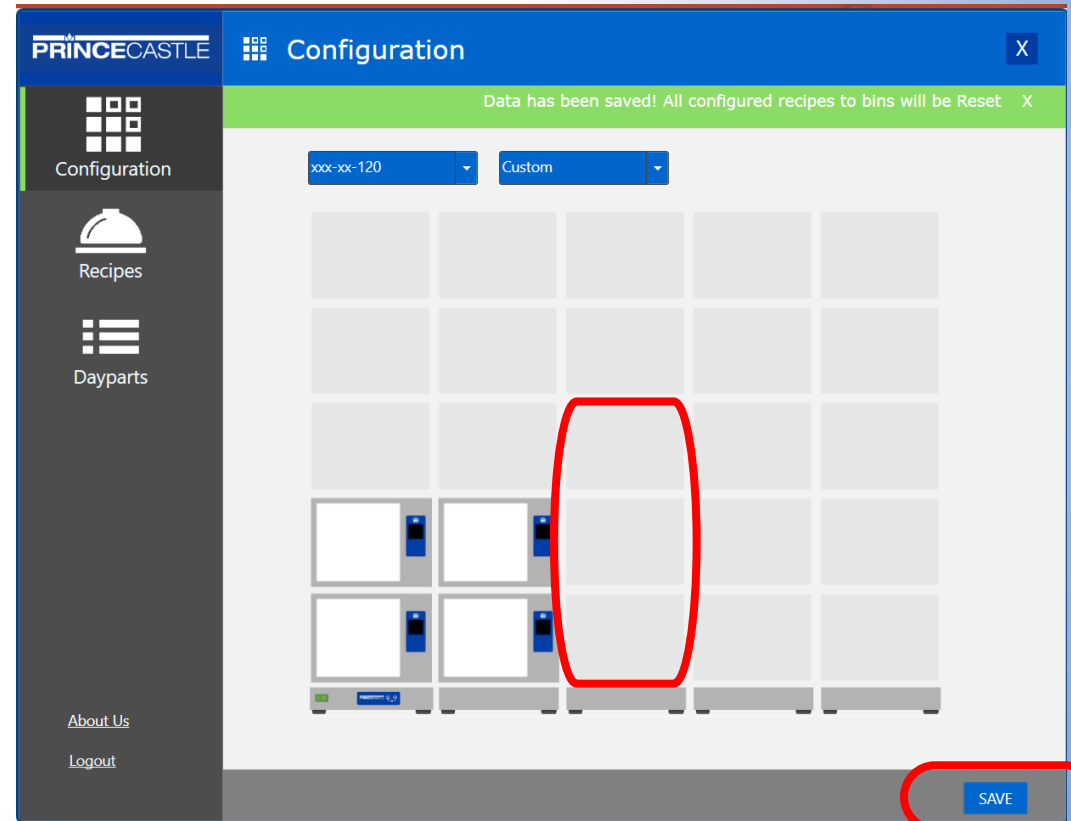
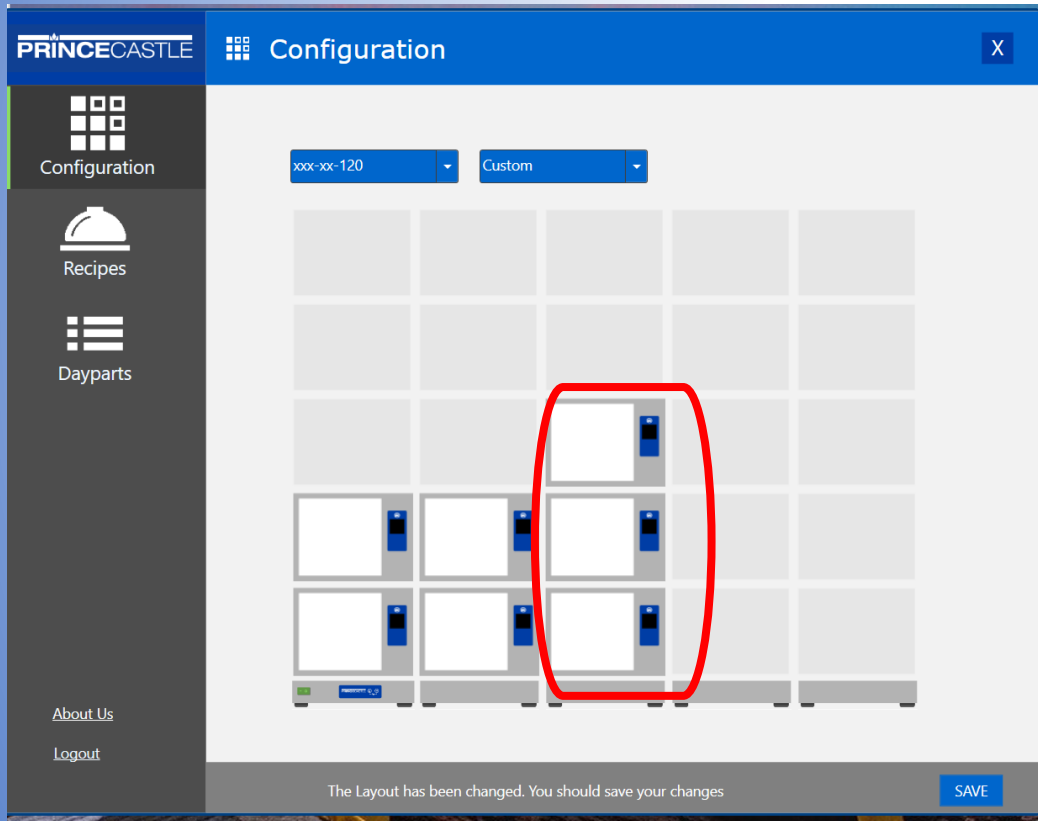




# CONFIGURATION SIZE

- STEP 1: CLICK THE BLANK BOXES TO FILL IN MODULES TO MATCH YOUR DESIRED CONFIGURATION:

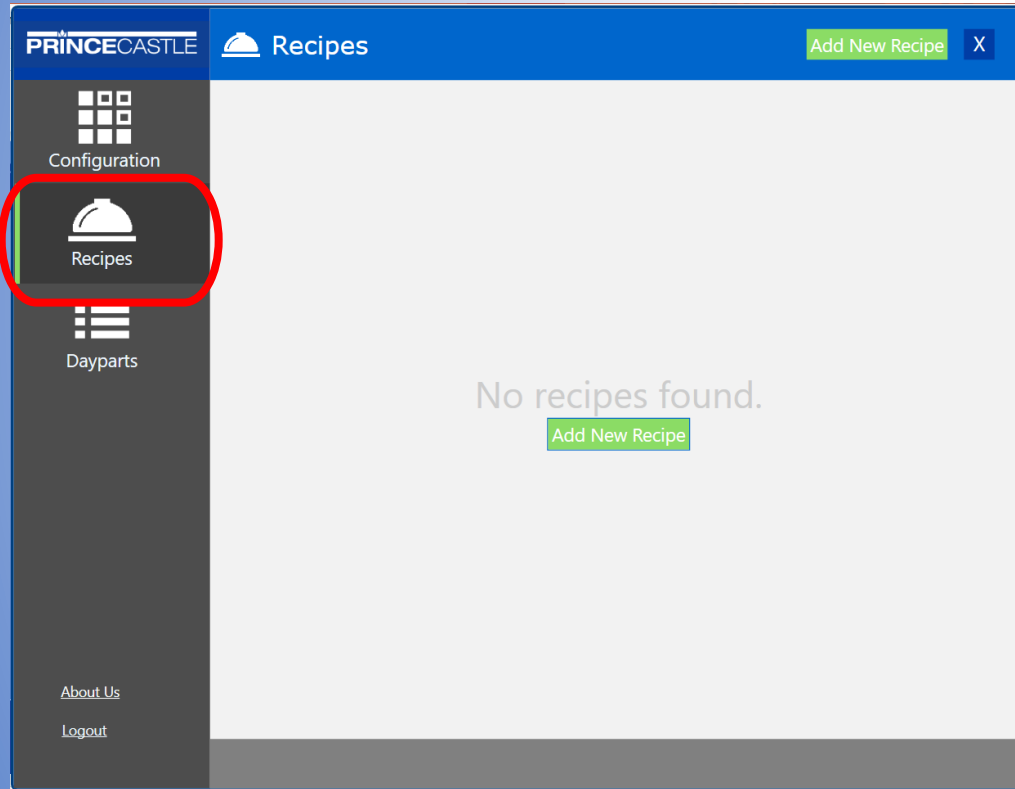
- STEP 2: CLICK THE FILLED BOXES TO REMOVE MODULES SELECTED BY ACCIDENT: CLICK 'SAVE'.



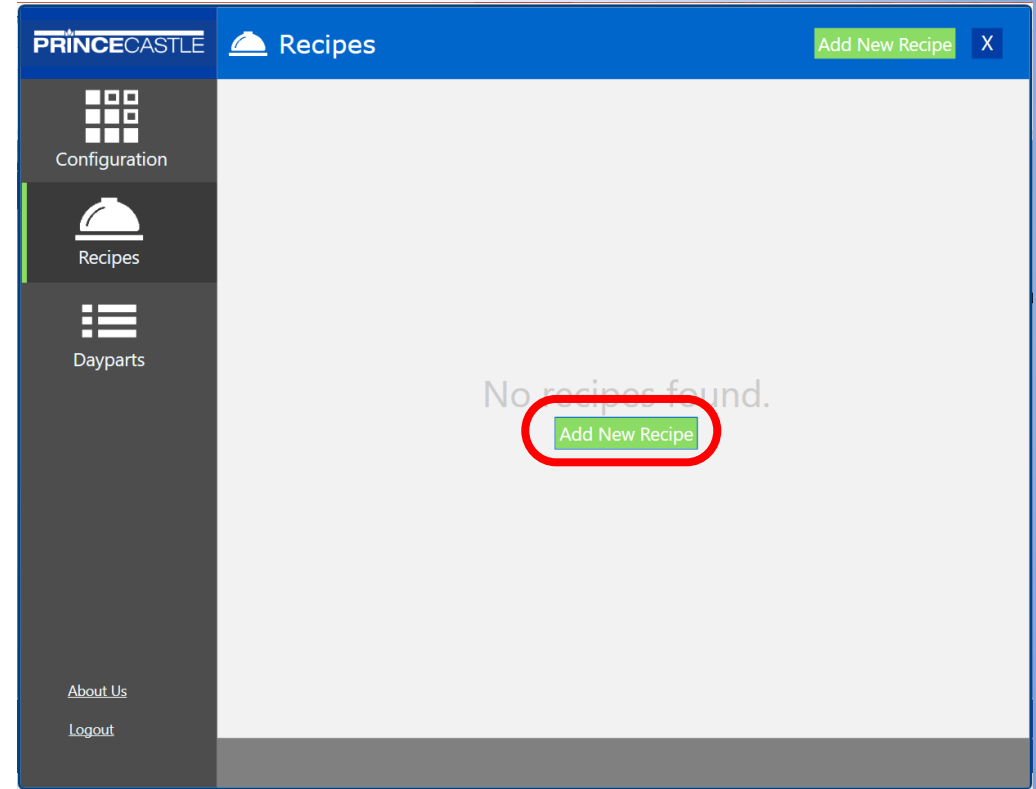


# RECIPE SETUP

STEP 1: 'LEFT-CLICK' ON THE RECIPES ICON:

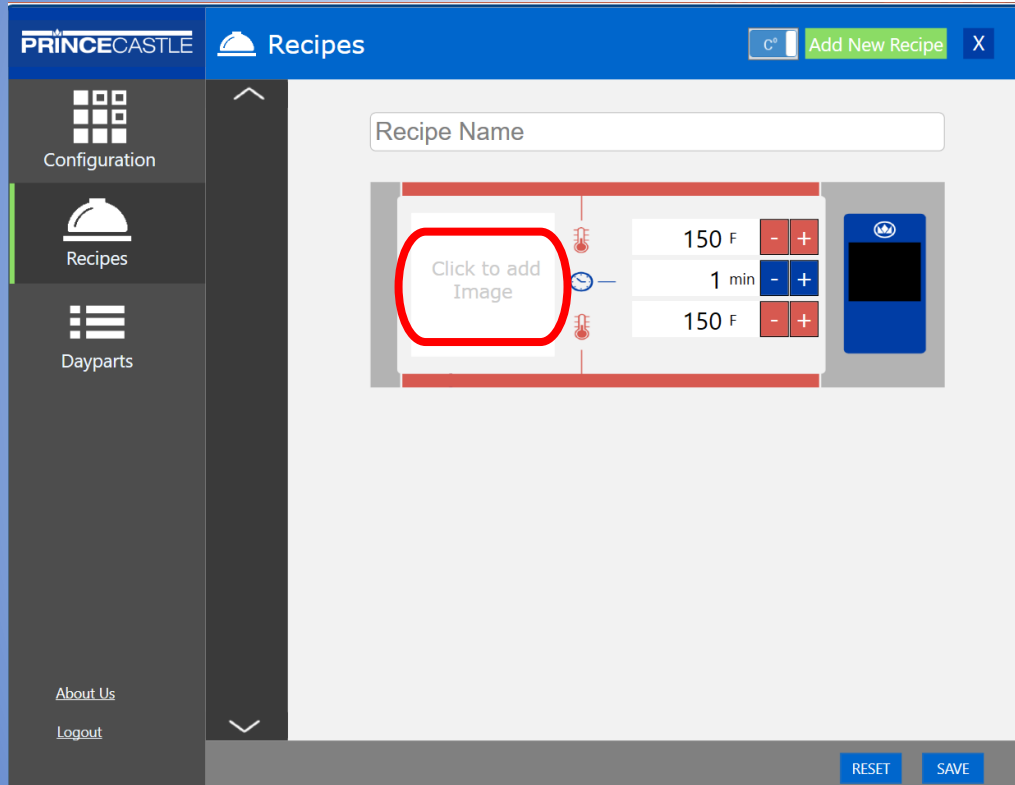


STEP 2: 'LEFT-CLICK' ON 'ADD NEW RECIPE':



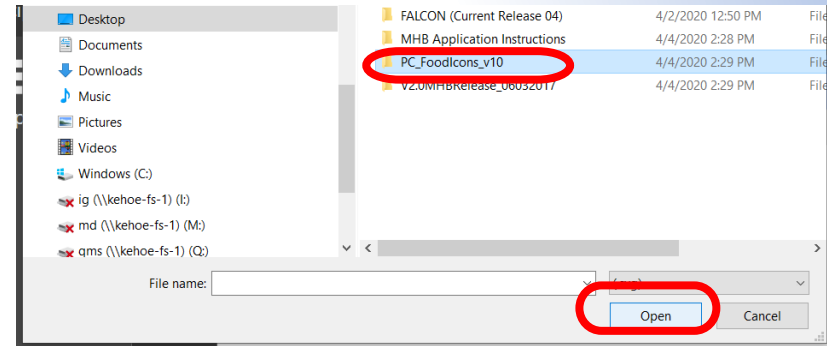
# ADD RECIPE IMAGE

STEP 1: 'LEFT-CLICK' ON THE BOX LABELED 'CLICK TO ADD IMAGE':

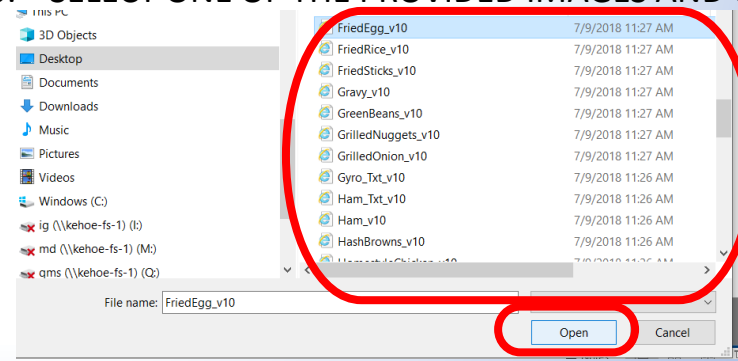


STEP 2A (STOCK IMAGES): FIND THE 'PC\_FOODICONS\_V10' FOLDER ON DESKTOP, OPEN THE FOLDER:

STEP 2B (CUSTOM IMAGE): LOCATE YOUR CUSTOM IMAGE & OPEN THE FOLDER:



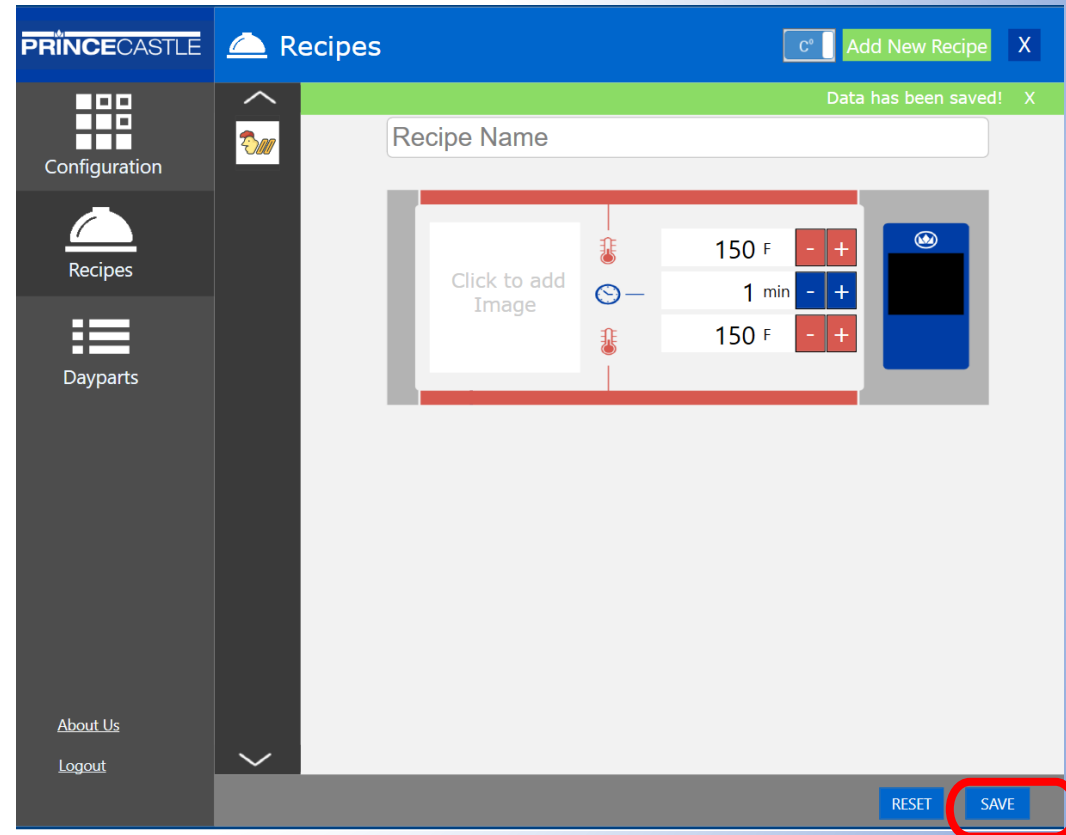
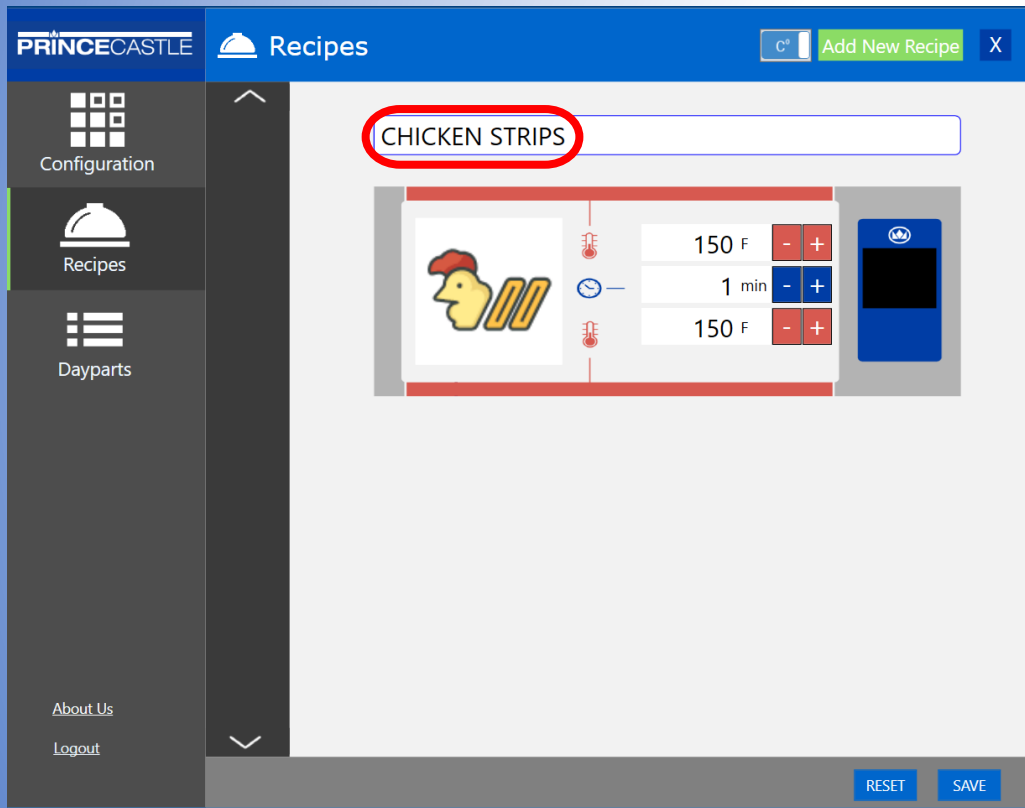
STEP 3: SELECT ONE OF THE PROVIDED IMAGES AND CLICK 'OPEN':



# ENTER RECIPE NAME

STEP 4: TYPE THE 'RECIPE NAME' TO MATCH YOUR IMAGE SELECTION:

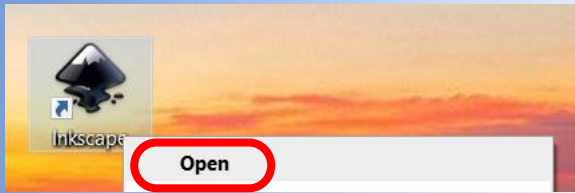
STEP 2: 'LEFT-CLICK' ON SAVE:



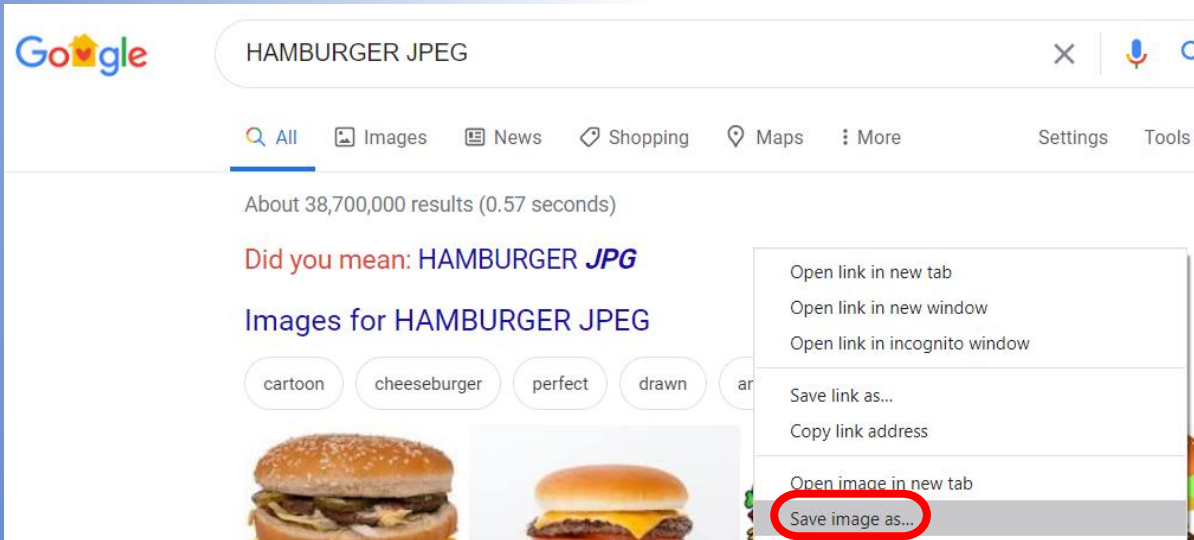
# CREATE RECIPE IMAGE

STEP 1: DOWNLOAD & OPEN FREE SOFTWARE 'INKSCAPE':

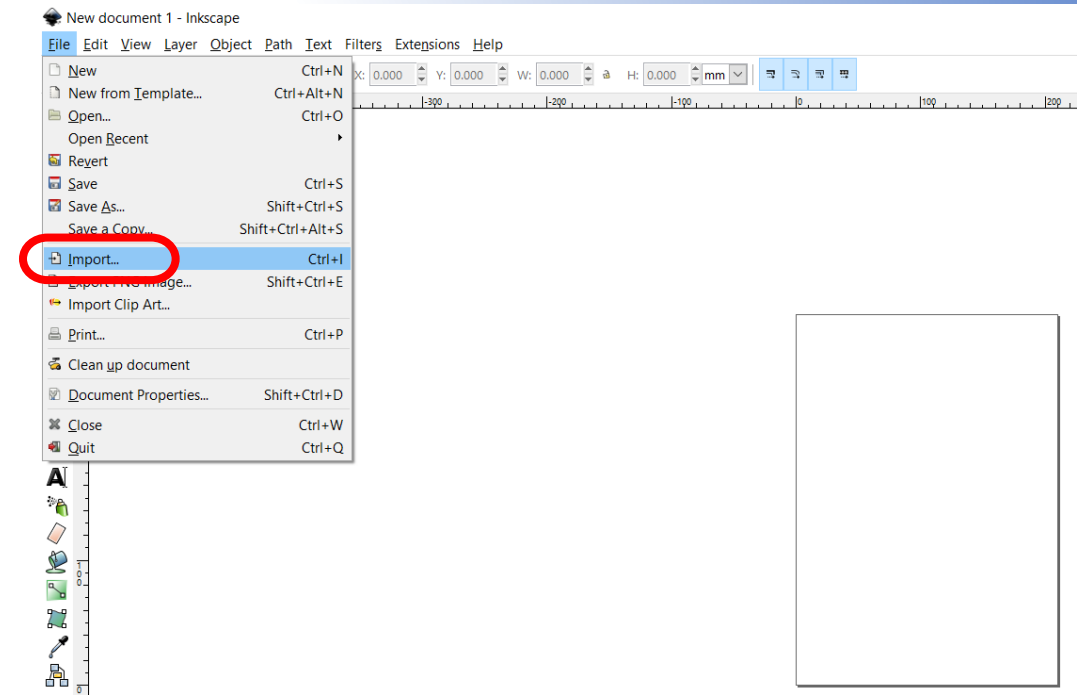
<https://inkscape.org/release/inkscape-0.92.4/>



STEP 2: SEARCH FOR DESIRED 'JPEG' FOOD IMAGES AND SAVE TO DESKTOP:

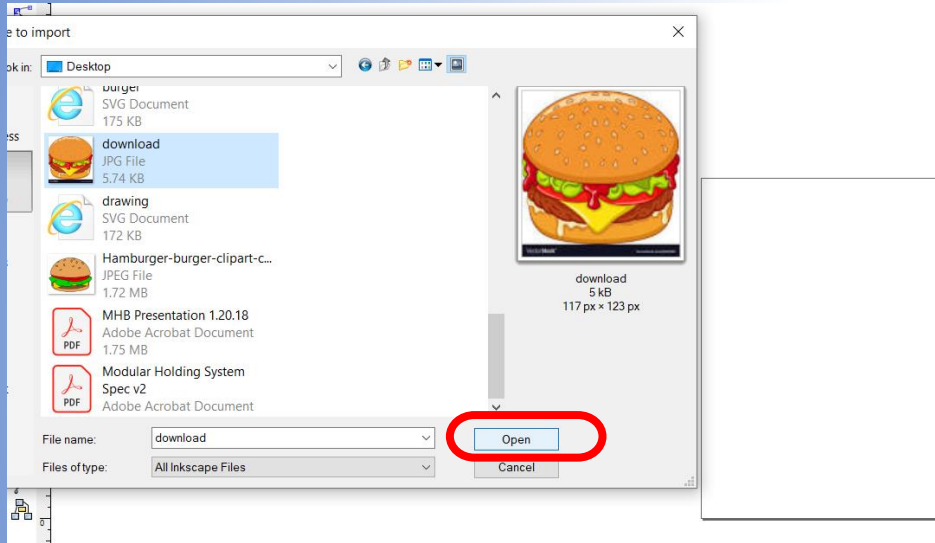


STEP 3: IMPORT THE DESIRED IMAGE INTO INKSCAPE:

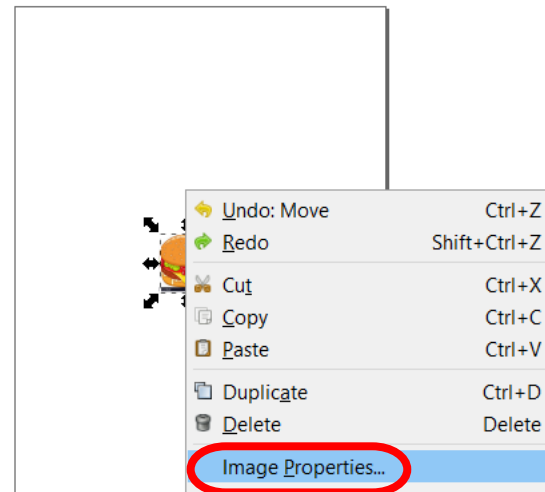


# CREATE RECIPE IMAGE

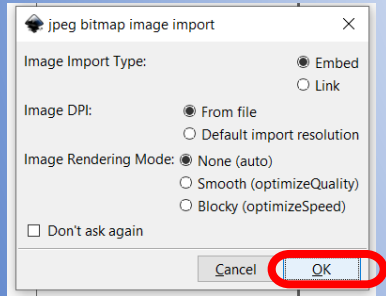
STEP 4: SELECT 'OPEN':



STEP 6: DRAG IMAGE ONTO TEMPLATE, THEN 'RIGHT-CLICK' IMAGE AND SELECT 'IMAGE PROPERTIES':



STEP 5: SELECT 'OK':

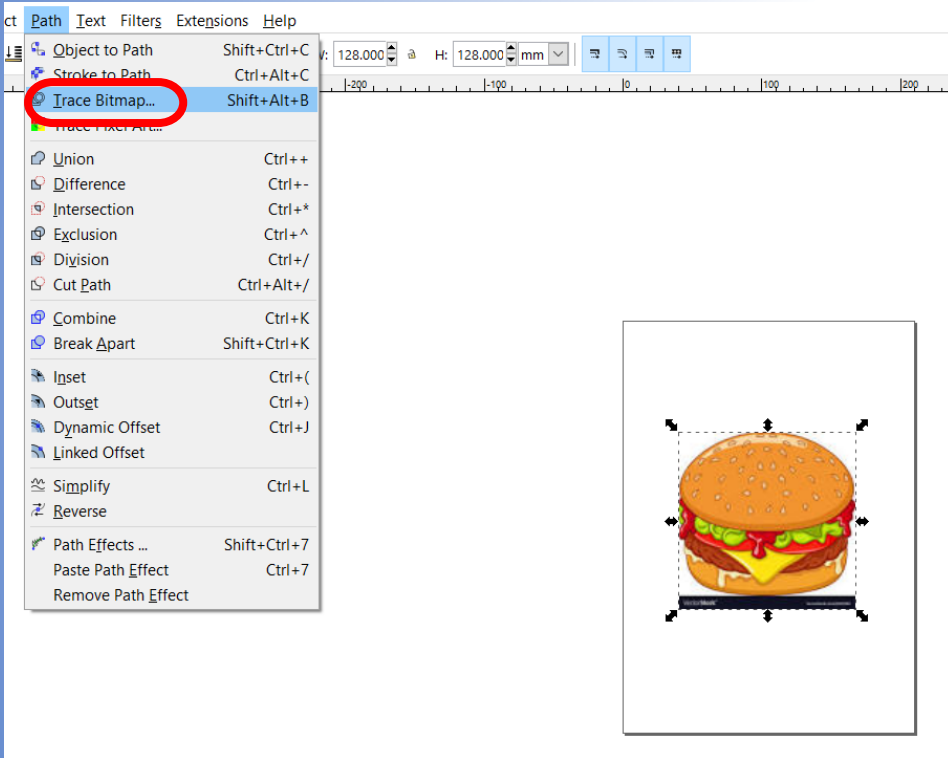


STEP 7: SET OBJECT ATTRIBUTES AS SHOWN BELOW:

Object attributes	
X:	40
Y:	80
Width:	128
Height:	128

# CREATE RECIPE IMAGE

STEP 8: SELECT 'PATH' AND CHOOSE 'TRACE BITMAP':



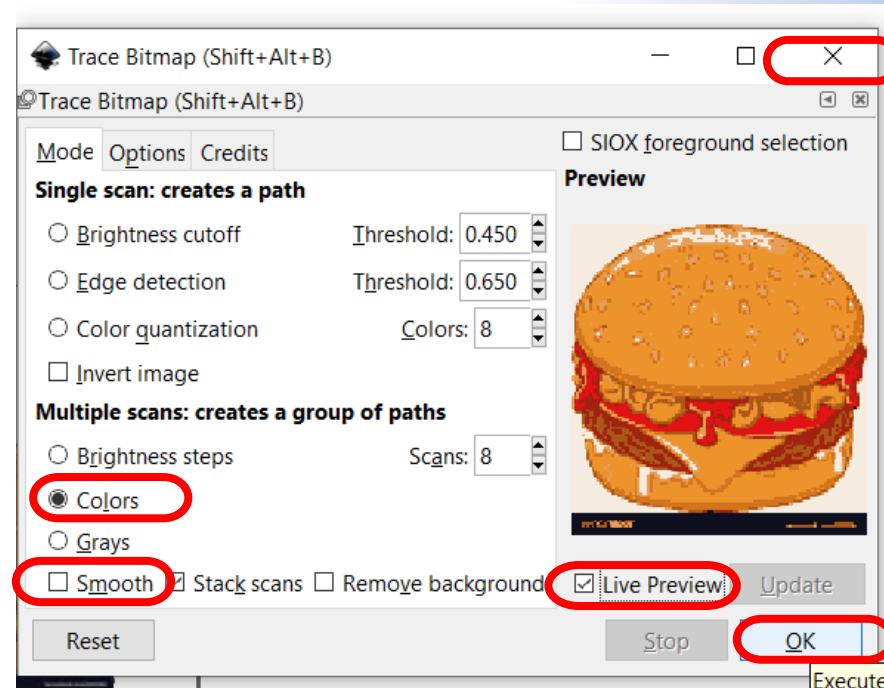
STEP 9A: 'LEFT-CLICK' COLOR SO IT IS SELECTED:

STEP 9B: 'LEFT-CLICK' SMOOTH SO IT IS NOT SELECTED:

STEP 9C: 'LEFT-CLICK' LIVE PREVIEW SO IT IS SELECTED:

STEP 9D: 'LEFT-CLICK' OK:

STEP 9E: 'LEFT-CLICK' THE X TO EXIT:





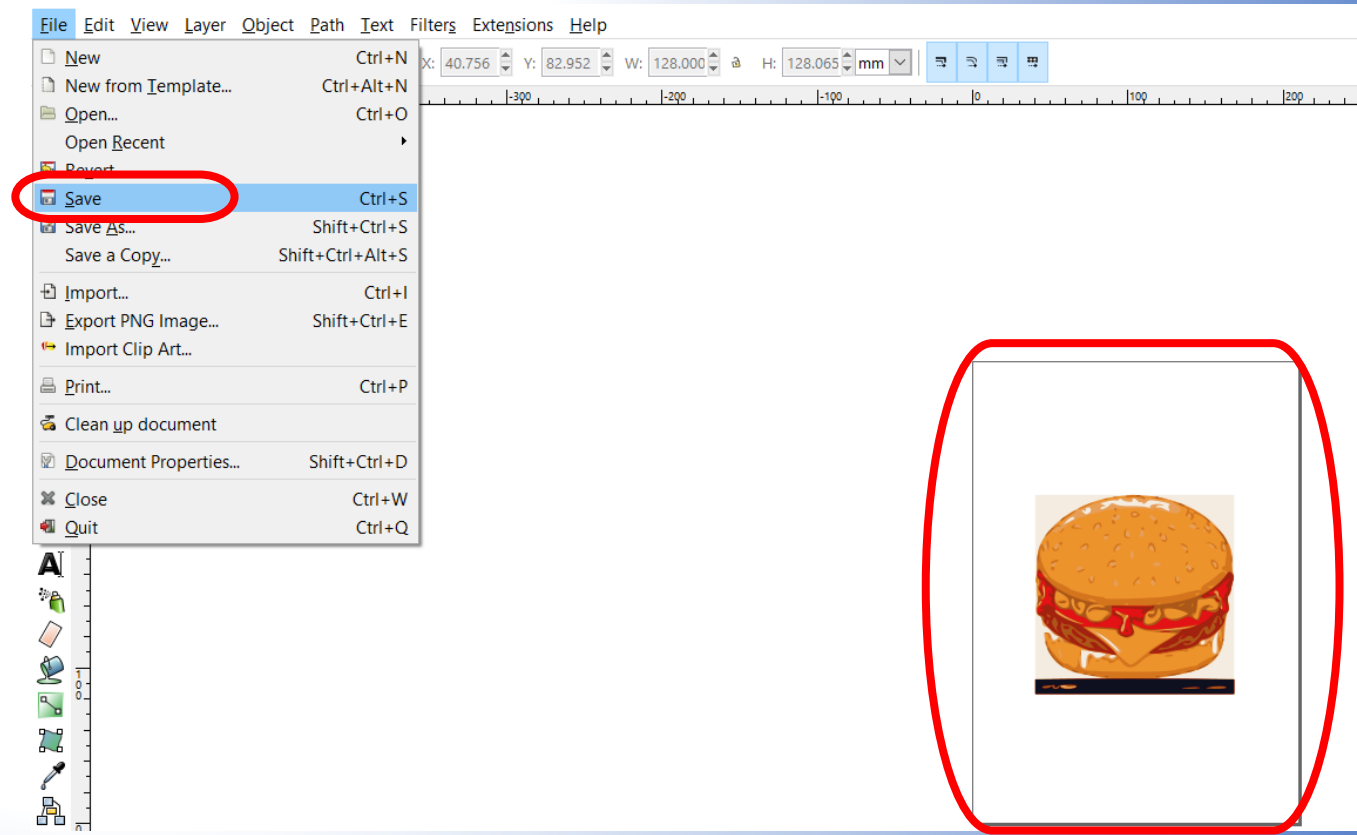
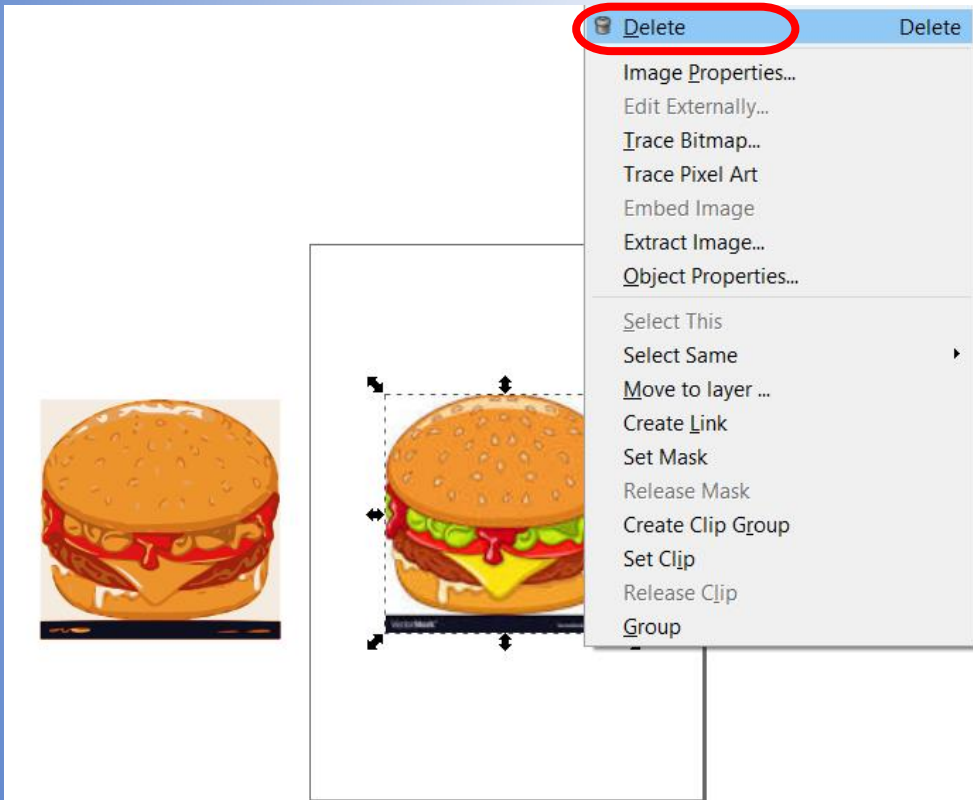
# CREATE RECIPE IMAGE

STEP 10A: MOVE THE OBJECT TO THE **LEFT**,  
THERE WILL BE AN IMAGE **UNDERNEATH**:

STEP 10B: 'RIGHT-CLICK' THE **IMAGE ON THE RIGHT** AND SELECT 'DELETE' :

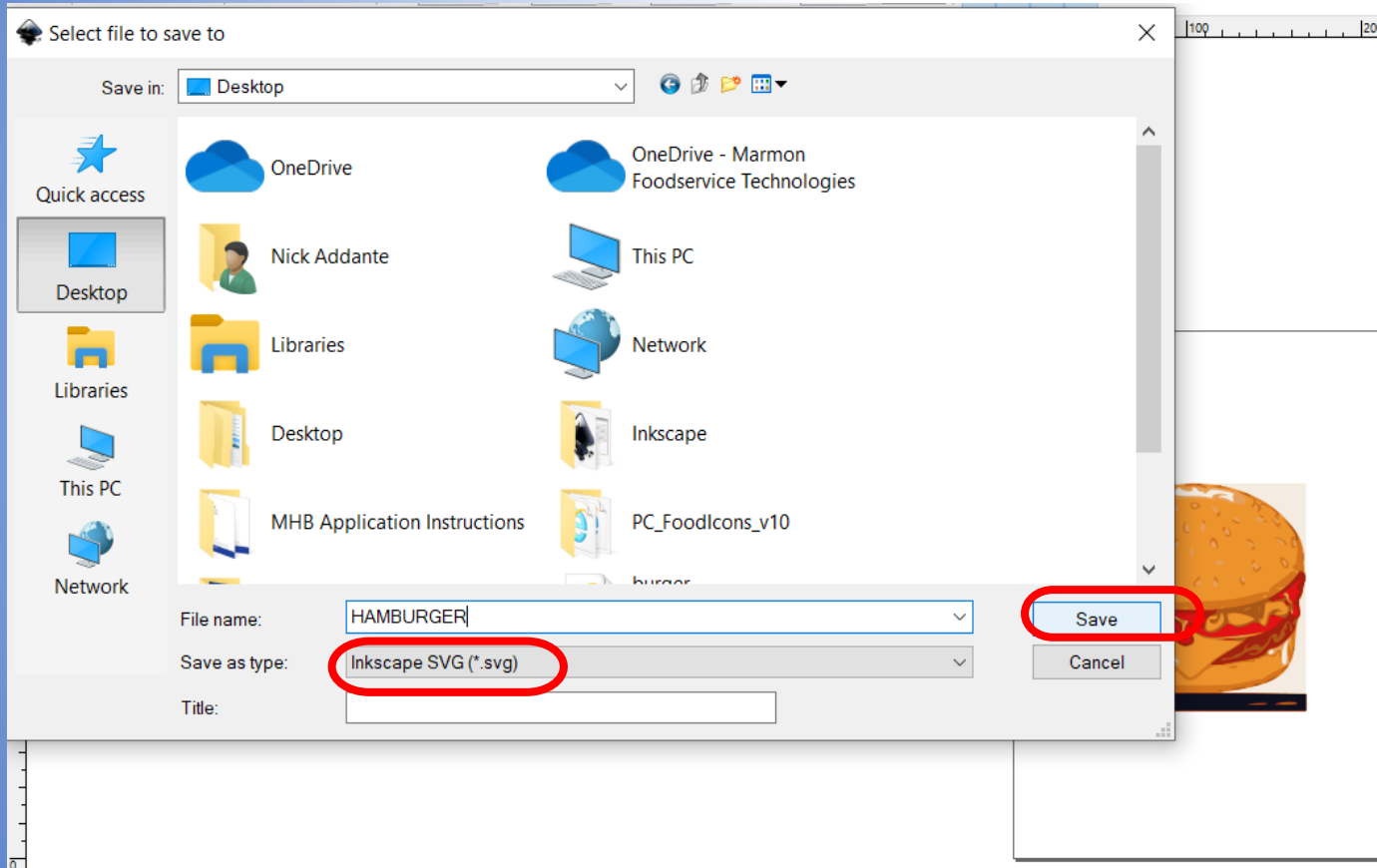
STEP 11A: MOVE THE OBJECT BACK INTO THE CENTER OF TEMPLATE:

STEP 11B: 'LEFT-CLICK' ON 'FILE' TAB AND SELECT 'SAVE'



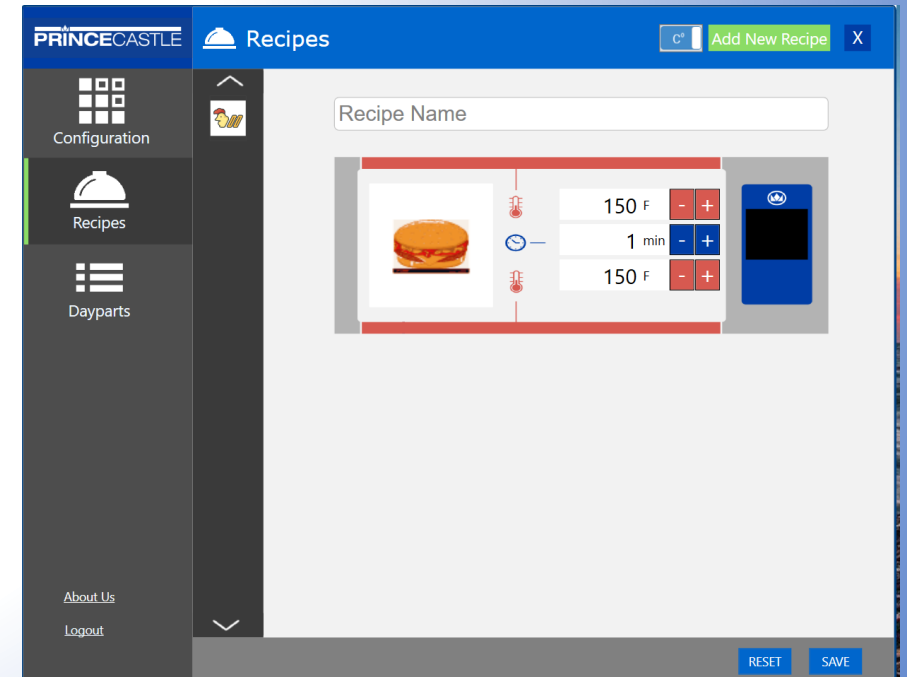
# CREATE RECIPE IMAGE

STEP 12: SAVE AS FILE TYPE 'INСКАPE SVG':



YOUR .SVG FILE CAN BE UPLOADED INTO THE RECIPE BY FOLLOWING THE SAME GUIDELINES STARTING ON **SLIDE 10**

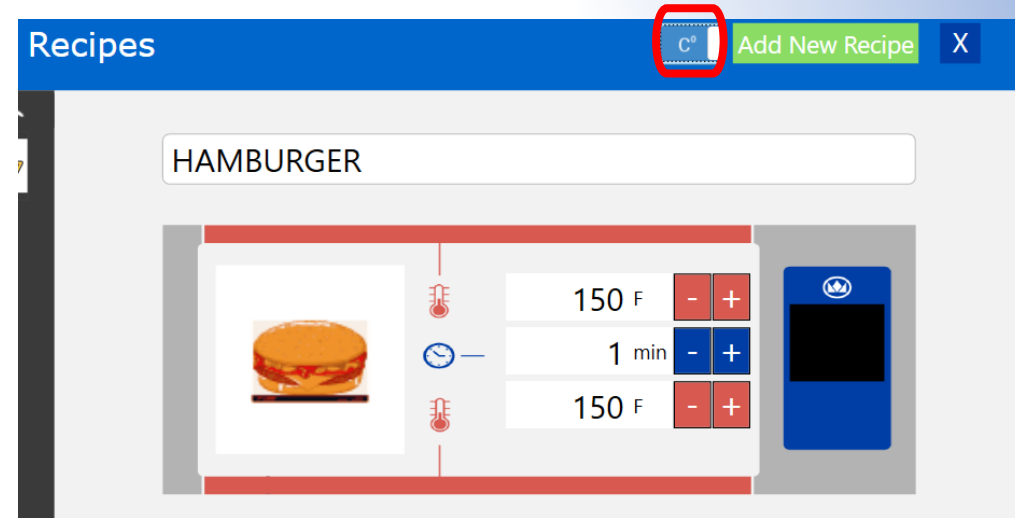
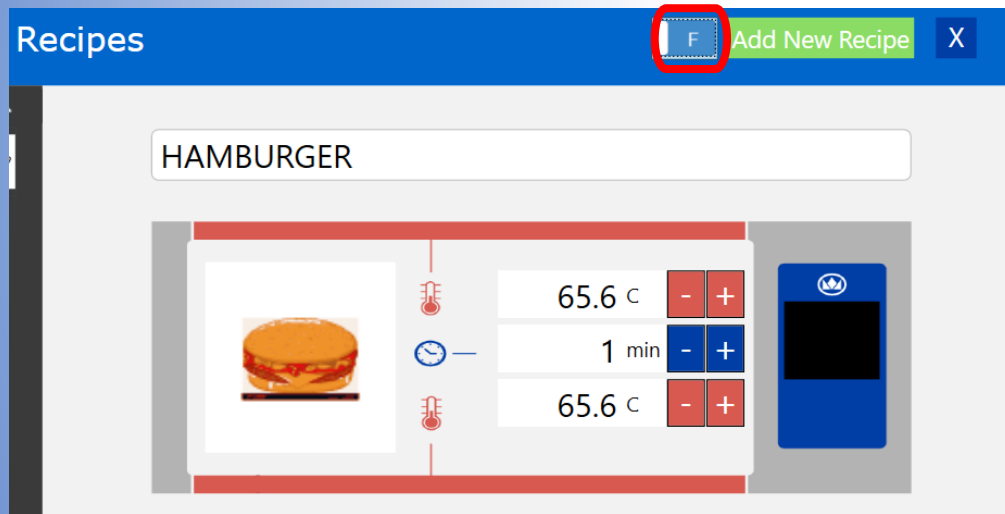
HERE IS THE RESULT:





# SET TEMPERATURE SCALE

STEP 1: 'LEFT-CLICK' ON THE TEMPERATURE SCALE BUTTON TO  
TOGGLE BETWEEN DEGREES CELSIUS OR FAHRENHEIT:





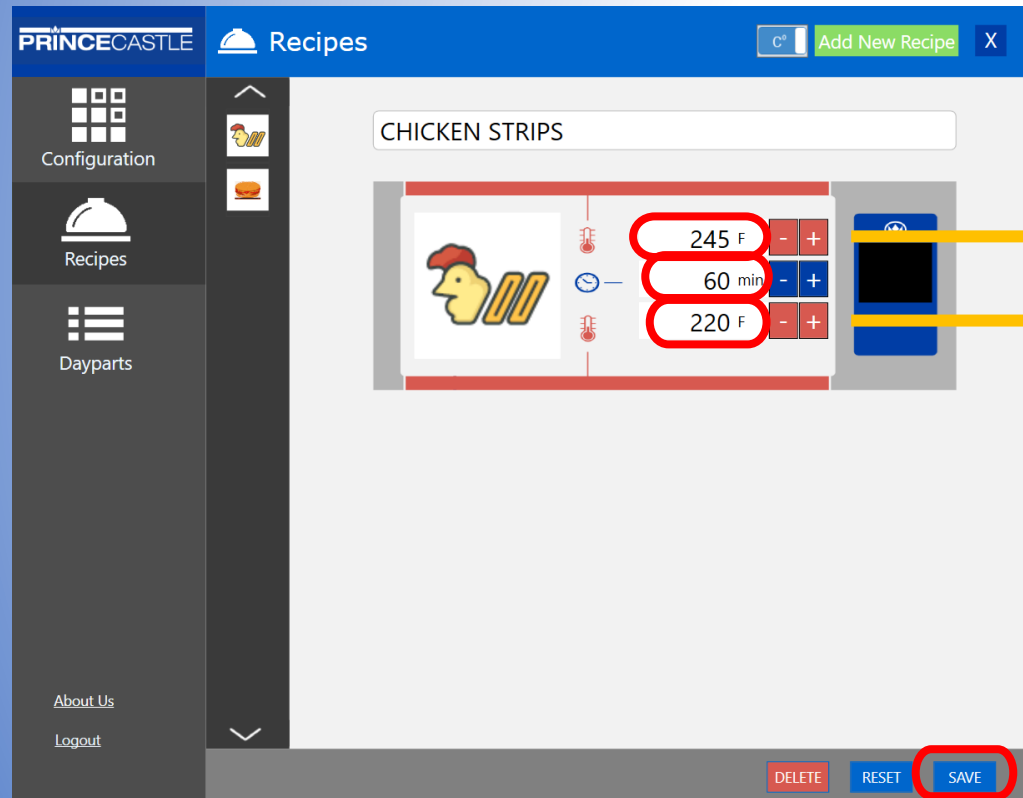
# TYPICAL PRODUCT HOLD TIME/TEMPERATURE

Product	Preparation/Cooking				Upper Heater	Lower Heater	Hold Time	Covered?	
	Fried	Grilled	Baked	Steamed				Yes	No
Chicken Breast (Crispy)	X				250F	225F	75		X
Chicken Breast (Grilled)		X			225F	205F	90	X	
Chicken Bone in	X				225F	195F	60		X
Chicken Wings	X				225/250F	195F	30/45		X
Chicken Strips	X				245F	220F	60		X
Chicken Bits	X				225F	195F	60		X
Chicken Patty's	X				240F	215F	90		X
Popcorn Chicken (Nuggets)	X				250F	225F	60		X
Corn Dogs	X				250F	185F	45		X
Hamburger Patty's		X			230F	210F	90	X	
Turkey Patty's		X			225F	195F	60	X	
Veggie Patty's		X			225F	195F	60	X	
Fish Sticks	X				225F	195F	60		X
Fish Patty's	X				250F	225F	60		X
Fish Strips	X				225F	195F	60		X
Hash browns	X				225/250F	195F	30		X
Tatters	X				225F	195F	30		X
Biscuits			X		225F	195F	45	X	
Scrabbled Eggs		X			220F	190F	90	X	
Sausage Patty's	X				220F	200F	120	X	
Sausage Links		X			225F	195F	120	X	
Ham		X			225F	195F	60	X	
Bacon		X			225/250F	195F	30/60/120		
French Toast	x				230F	220F	90		x
Mozzarella Sticks	X				250F	185F	45		X
Mash Potato's			X		225F	195F	30/180	X	
Gravy			X		225F	195F	60/120	X	
Vegetables				X	225F	195F	120/240	X	
Mac & Cheese			X		225F	195F	120	X	

# SET A RECIPE TEMPERATURE

STEP 1A: TYPE IN DESIRED VALUES:

STEP 1B: 'LEFT-CLICK' SAVE:



UPPER HEATER TEMPERATURE (SET POINT)

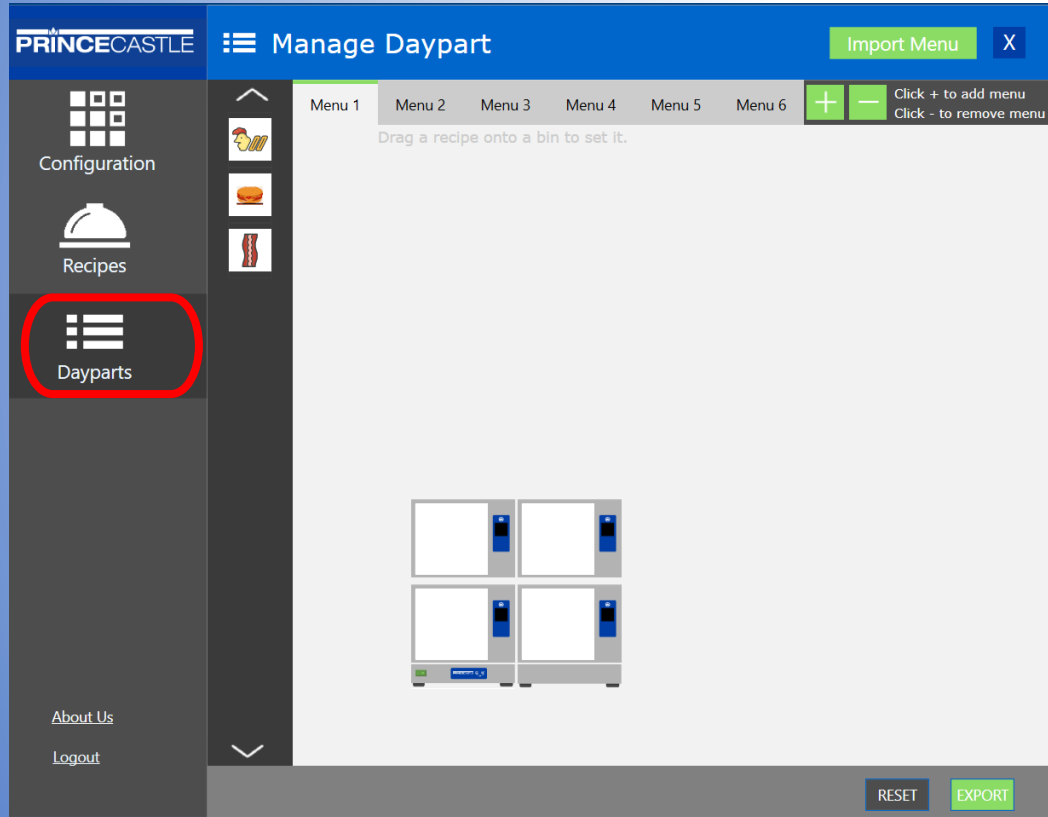
LOWER HEATER TEMPERATURE (SET POINT)

## HEATER TEMPERATURE LIMITATIONS

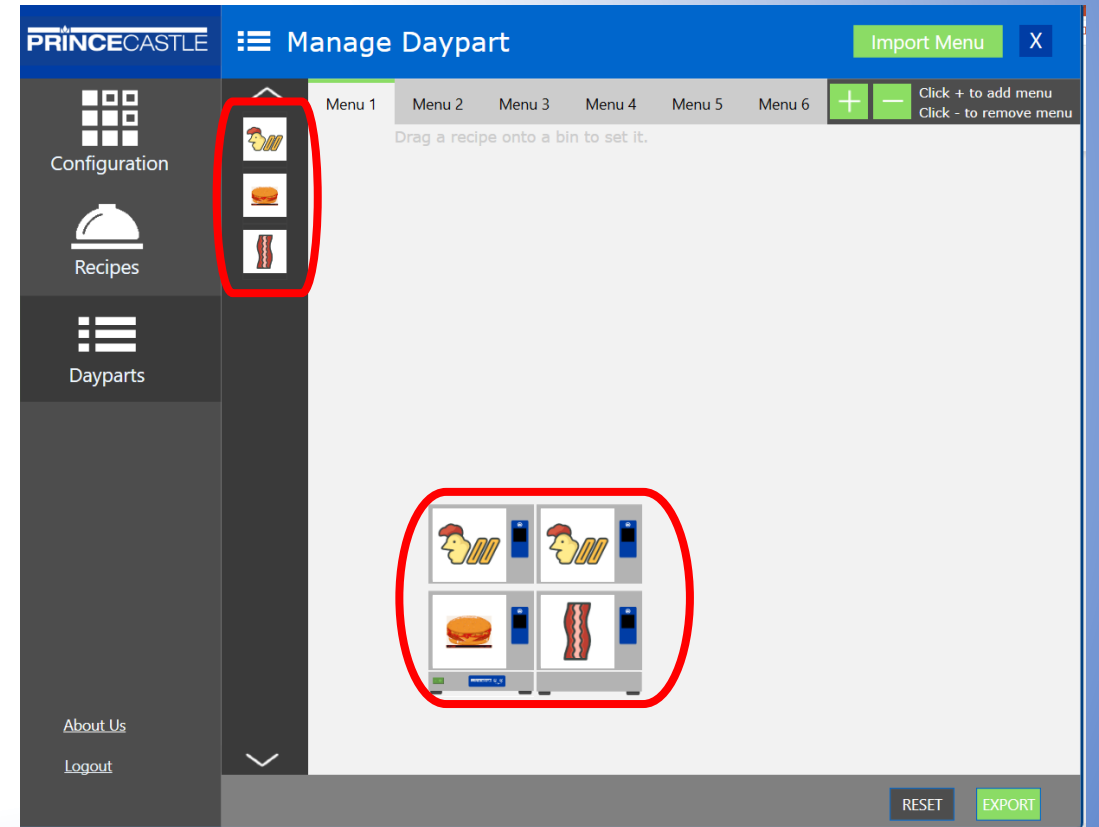
Upper Heater: 150° - 275°F (62°-135°C)  
Lower Heater: 150° - 225°F (62°-107°C)

# DAYPART SETUP

STEP 1: 'LEFT-CLICK' ON 'DAYPARTS' ICON:



STEP 2: DRAG DESIRED RECIPES TO DESIRED BINS:



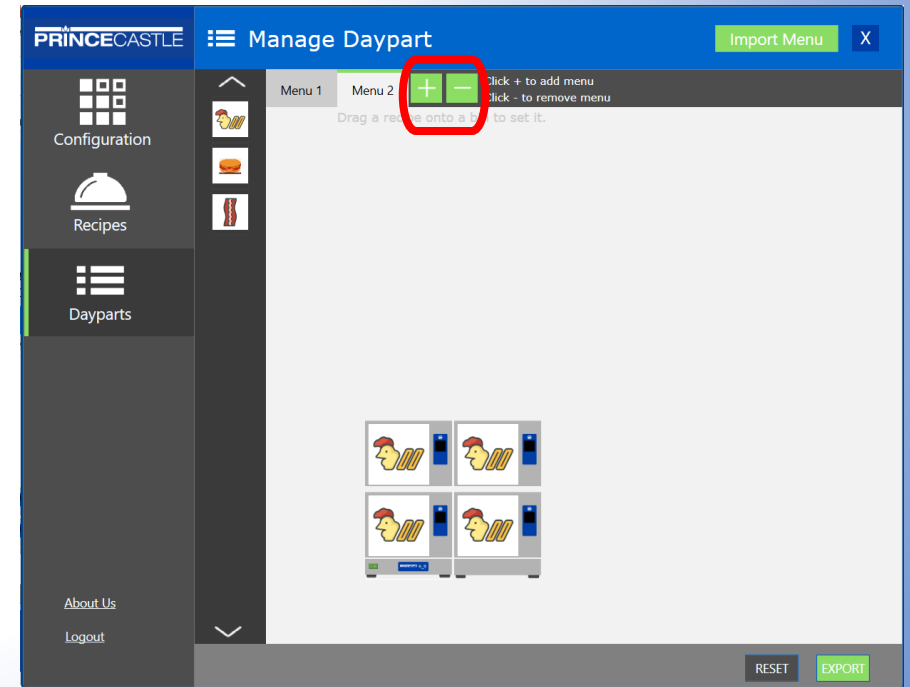
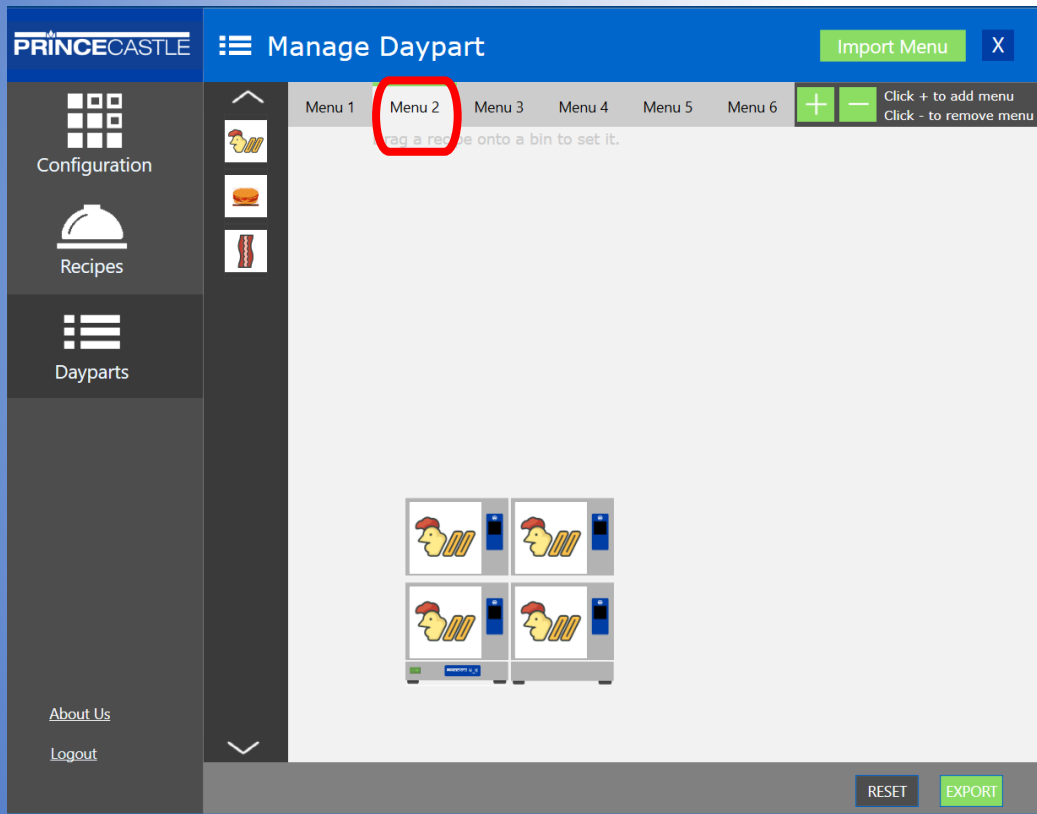


# DAYPART SETUP

STEP 3: 'LEFT-CLICK' ON NUMBERED MENU TABS  
TO ADD DIFFERENT RECIPE COMBINATIONS:

STEP 2: 'LEFT-CLICK' ON  $\pm$  OR  $\pm$   
TO ADD OR REMOVE MENU COMBINATIONS:

**ADDED MENUS ALWAYS CREATE A MENU AFTER THE HIGHEST NUMBER MENU**  
**REMOVED MENUS ALWAYS DELETE THE HIGHEST NUMBER MENU**





# DAYPART SETUP

A MINIMUM OF (1) MENU IS REQUIRED:

A MAXIMUM OF (6) MENUS IS LIMITED:

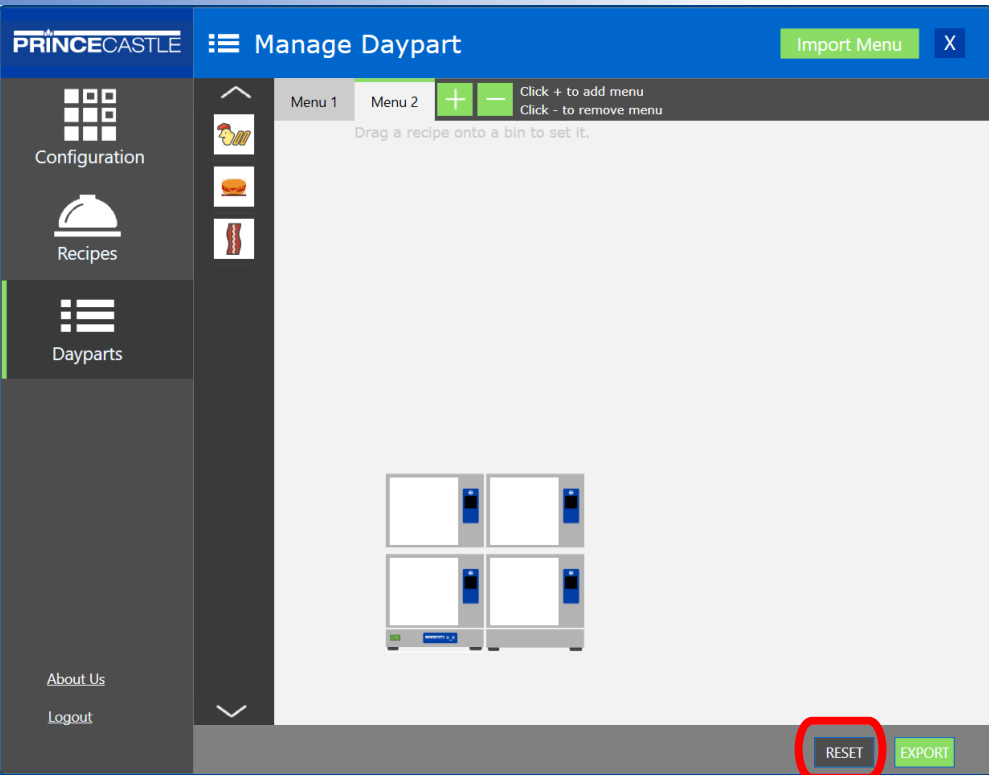
The screenshot shows the 'Manage Daypart' interface for 'PRINCECASTLE'. The top navigation bar includes 'Import Menu' and a close button 'X'. The left sidebar contains 'Configuration', 'Recipes', 'Dayparts', 'About Us', and 'Logout'. The main area shows 'Menu 1' with a '+ -' control and instructions: 'Click + to add menu', 'Click - to remove menu', and 'Drag a recipe onto a bin to set it.'. Below the instructions, there are four recipe cards, each featuring a chicken icon and a blue bin.

The screenshot shows the 'Manage Daypart' interface for 'PRINCECASTLE'. The top navigation bar includes 'Import Menu' and a close button 'X'. The left sidebar contains 'Configuration', 'Recipes', 'Dayparts', 'About Us', and 'Logout'. The main area shows six menu bins labeled 'Menu 1' through 'Menu 6'. Each bin has a '+ -' control and instructions: 'Click + to add menu', 'Click - to remove menu', and 'Drag a recipe onto a bin to set it.'. Below the instructions, there are two recipe cards per bin, each featuring a burger icon and a blue bin.

# RESET DAYPART SETUP

'LEFT-CLICK' ON **RESET** TO CLEAR ALL BINS ON ALL MENUS:

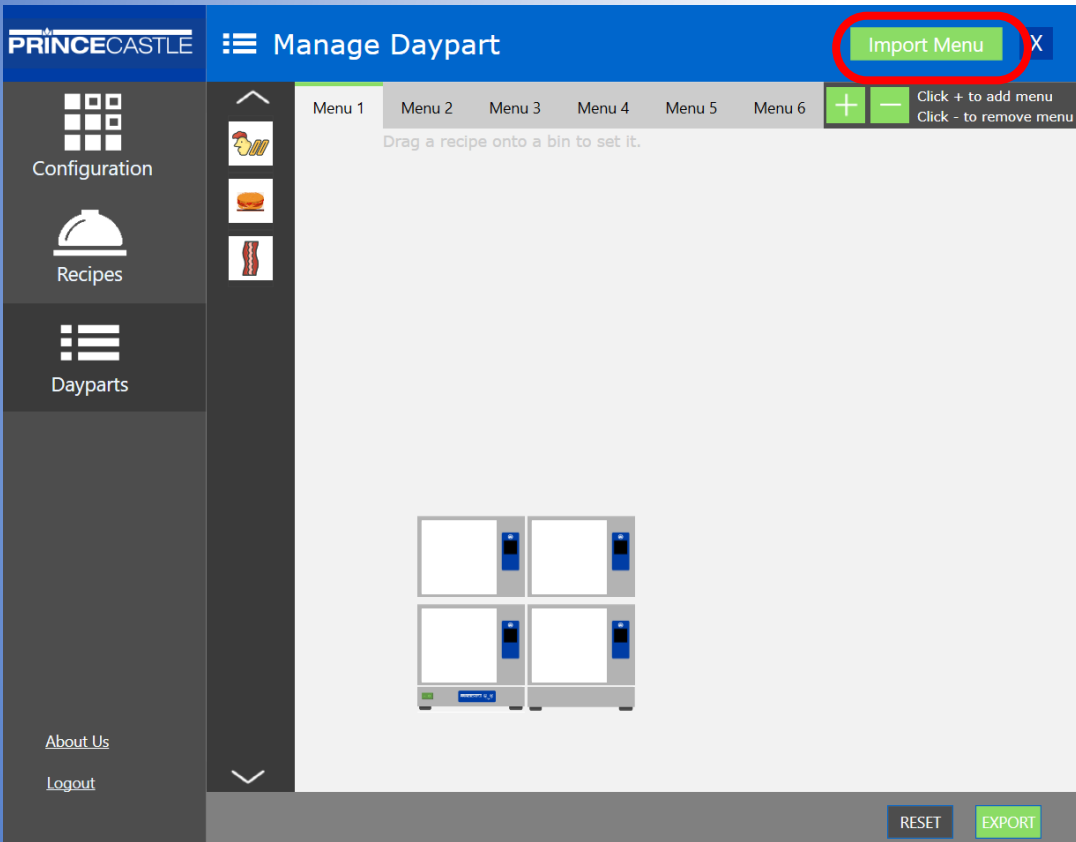
'LEFT-CLICK' ON **+** OR **-** TO ADD OR REMOVE MENU COMBINATIONS:



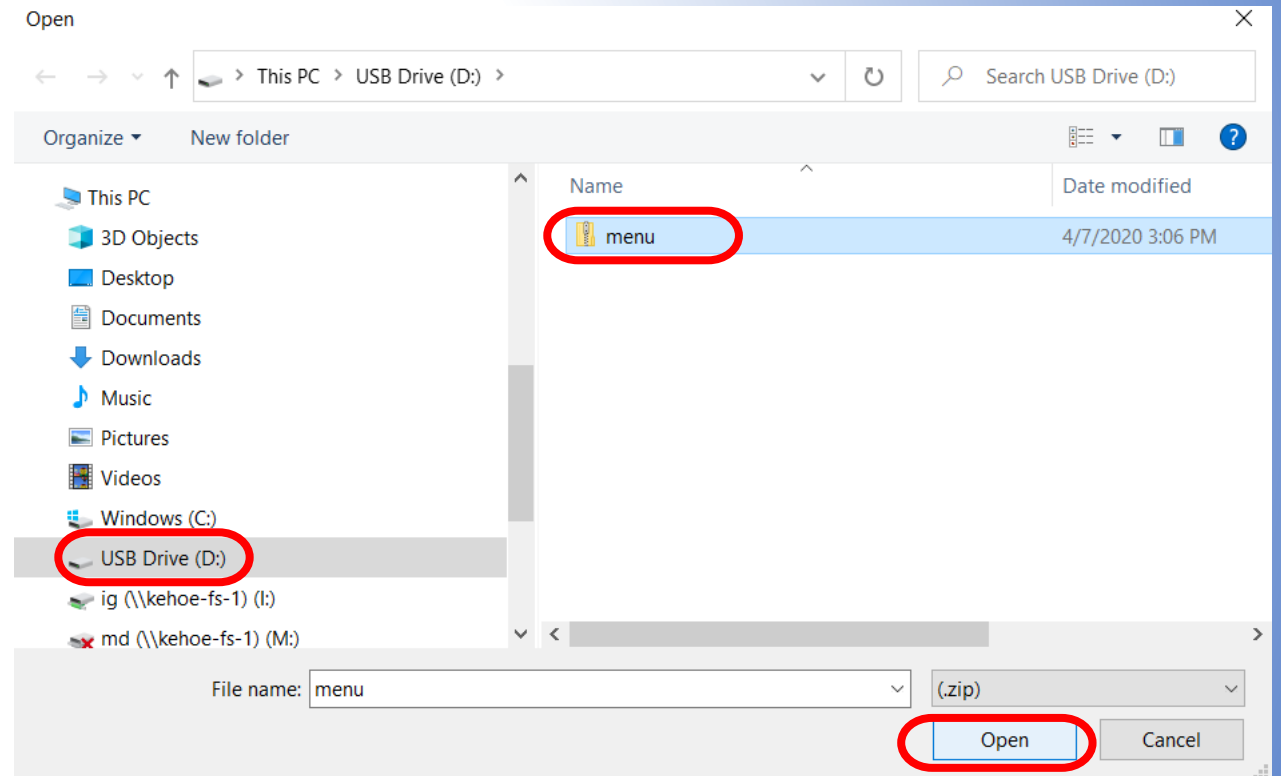
(THIS IS THE EASIEST WAY TO EDIT A SINGLE MENU WITHOUT ERASING YOUR PREVIOUS MENUS)

# IMPORT MENU

STEP 1: 'LEFT-CLICK' ON **IMPORT MENU**:



STEP 2: SELECT THE '**MENU.ZIP**' FILE AND SELECT '**OPEN**':





# EXPORT MENU

STEP 1: INSERT USB FLASH DRIVE TO COMPUTER:

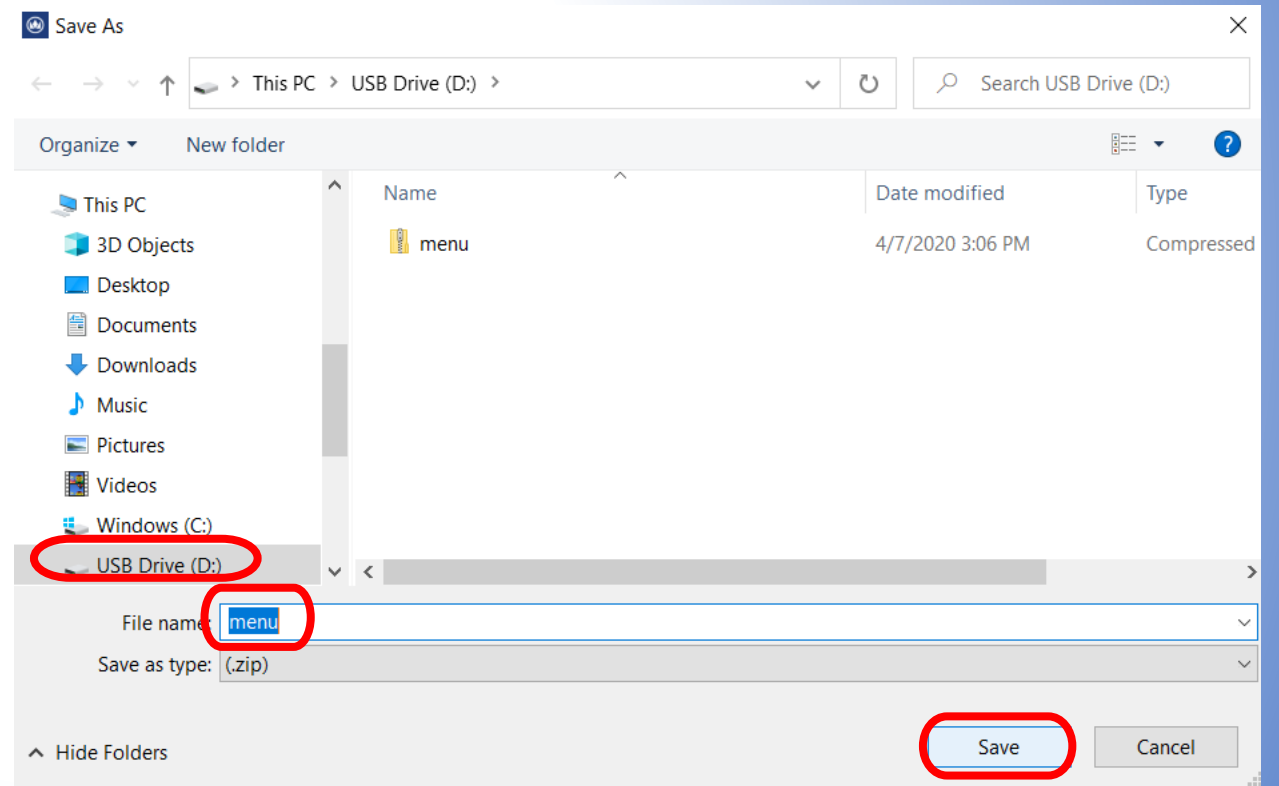
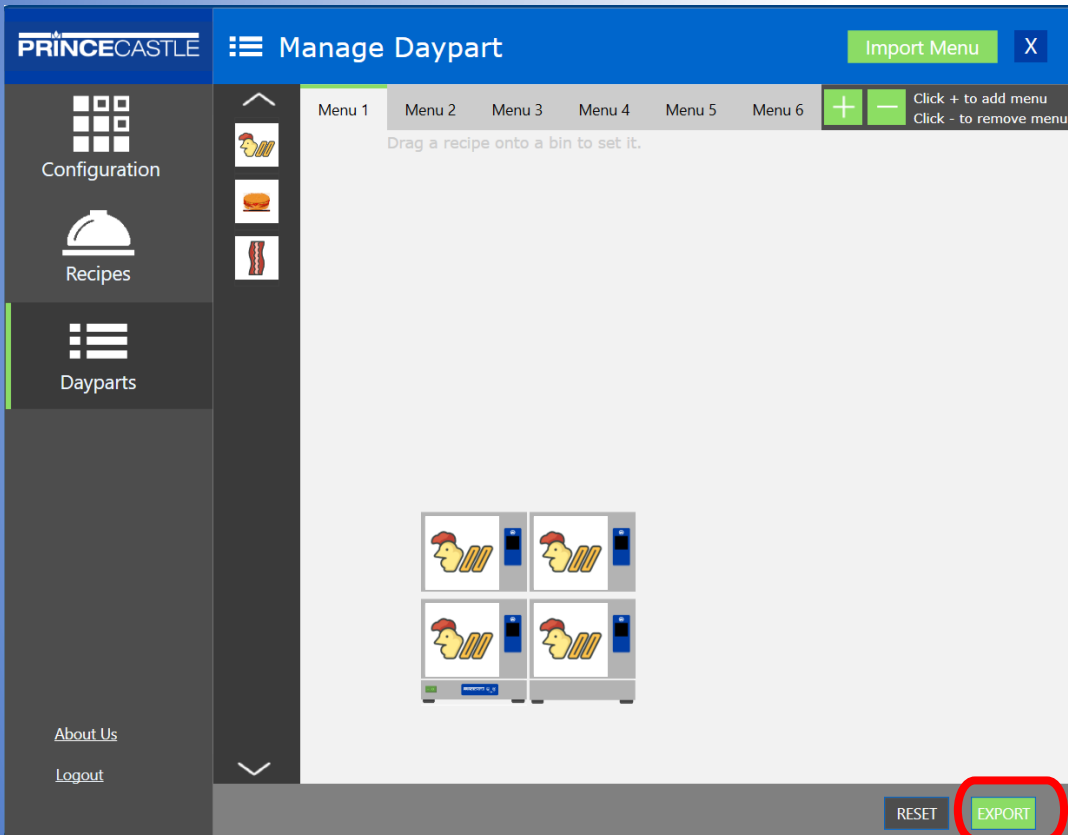


STEP 2: 'LEFT-CLICK' ON '**EXPORT**' ICON:

STEP 3A: FIND THE USB DRIVE IN THE FILE FOLDER:

STEP 3B: FILE NAME SHOULD BE '**menu**':

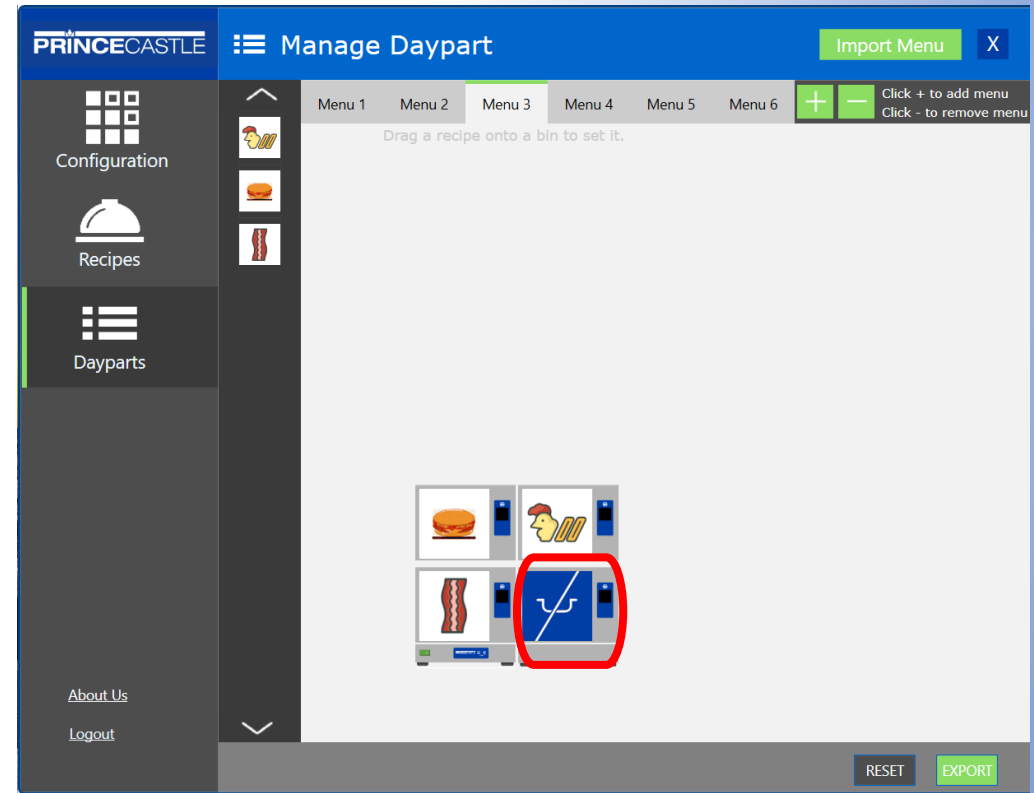
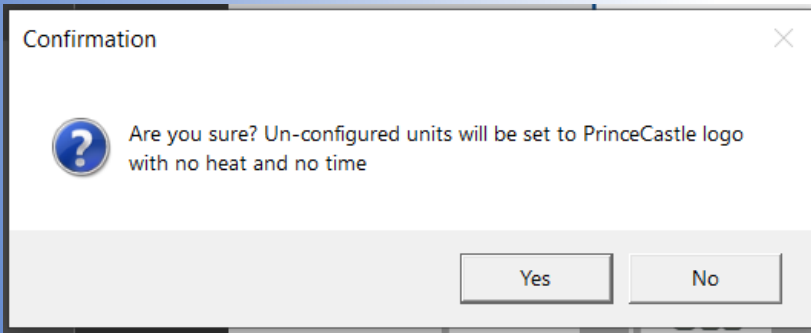
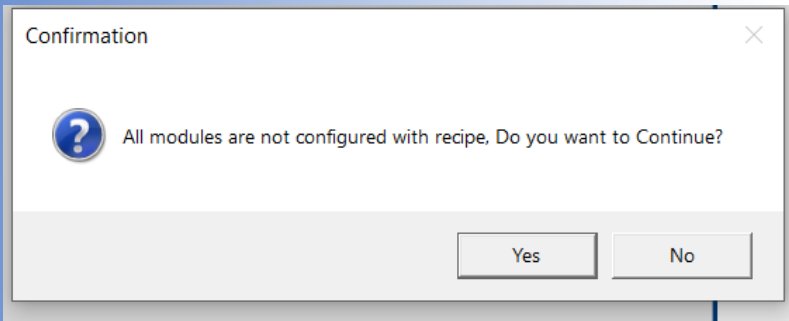
STEP 3C: 'LEFT-CLICK' ON SAVE:



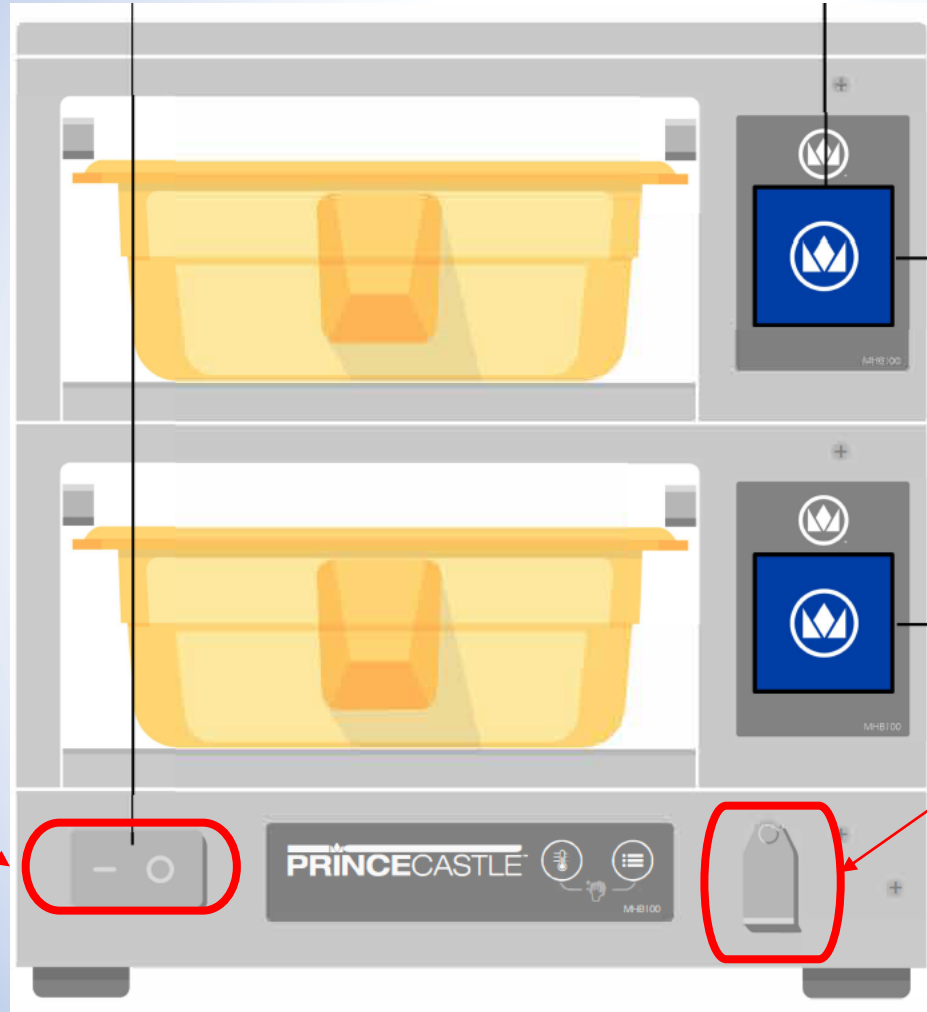
# EMPTY BINS

STEP 1A: 'LEFT-CLICK' ON **YES** TO ACCEPT EMPTY BINS, THEN 'LEFT-CLICK' ON **YES** TO CONFIRM:

STEP 1B: 'LEFT-CLICK' ON **NO** TO FIND AND FILL EMPTY BINS:



# LOAD MENUS VIA USB TO MACHINE

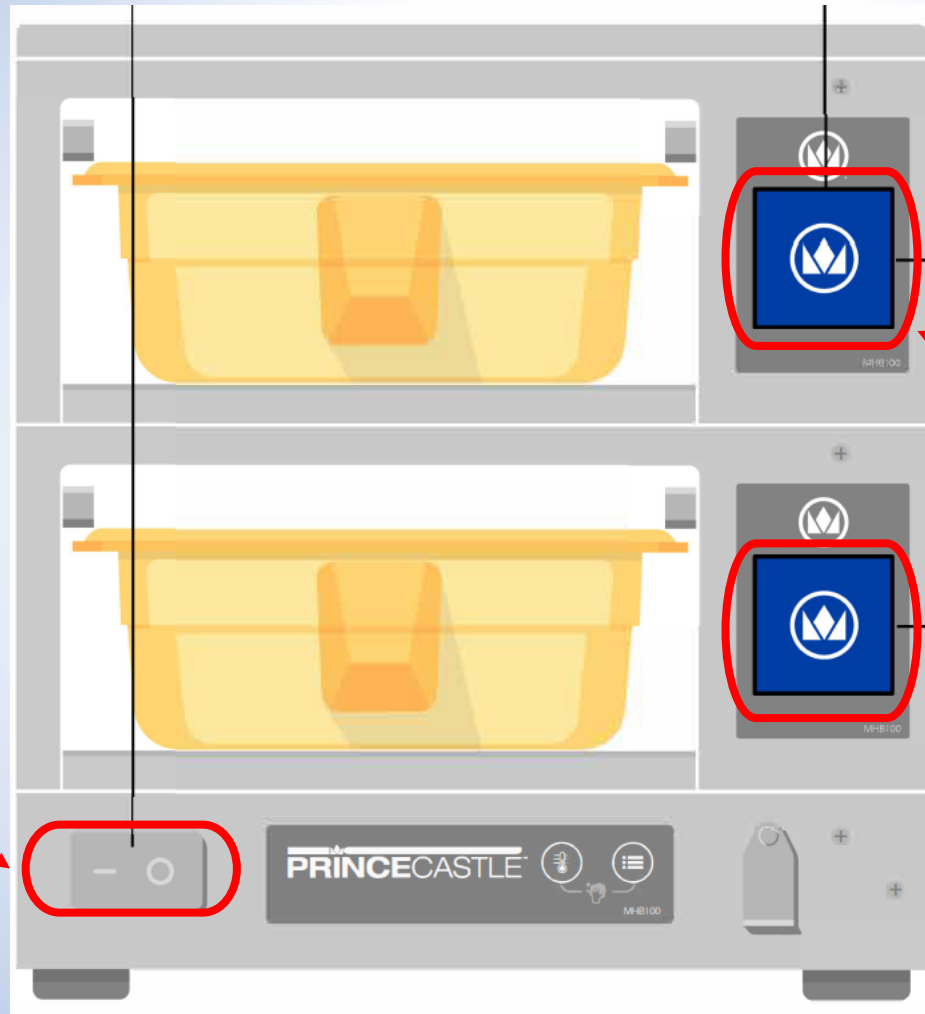


**STEP 1: POWER OFF MAIN BASE:**

**STEP 2: INSERT USB FLASH DRIVE:**



# LOAD MENUS VIA USB TO MACHINE

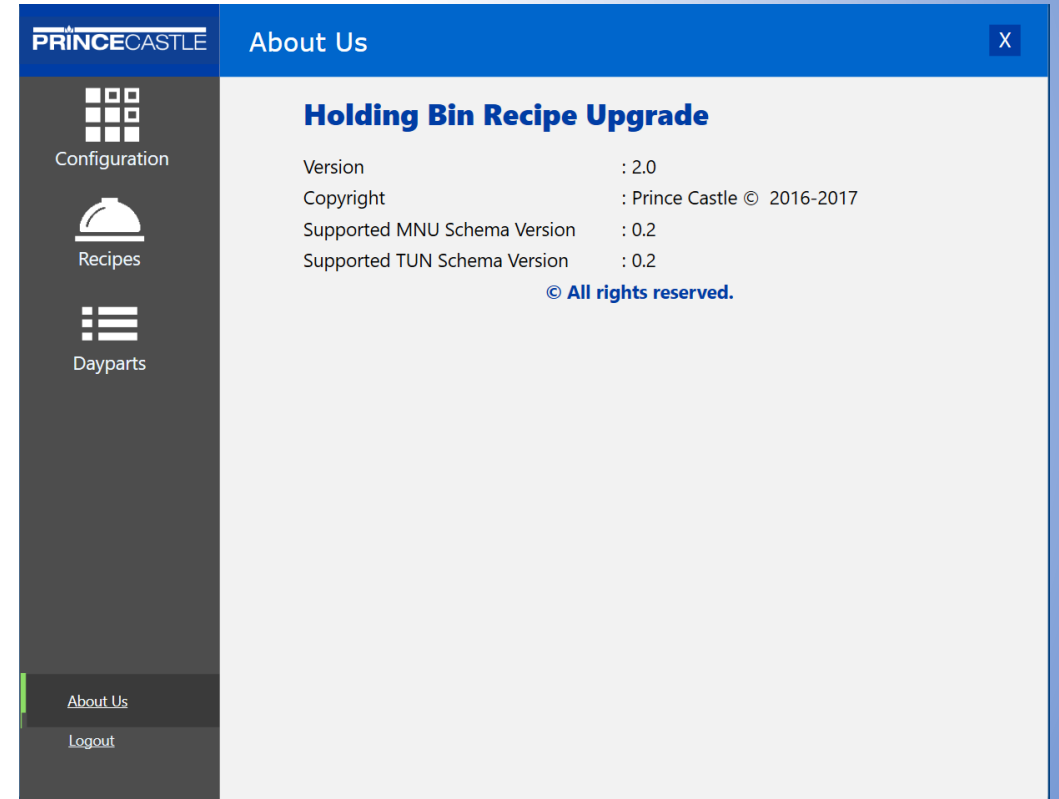
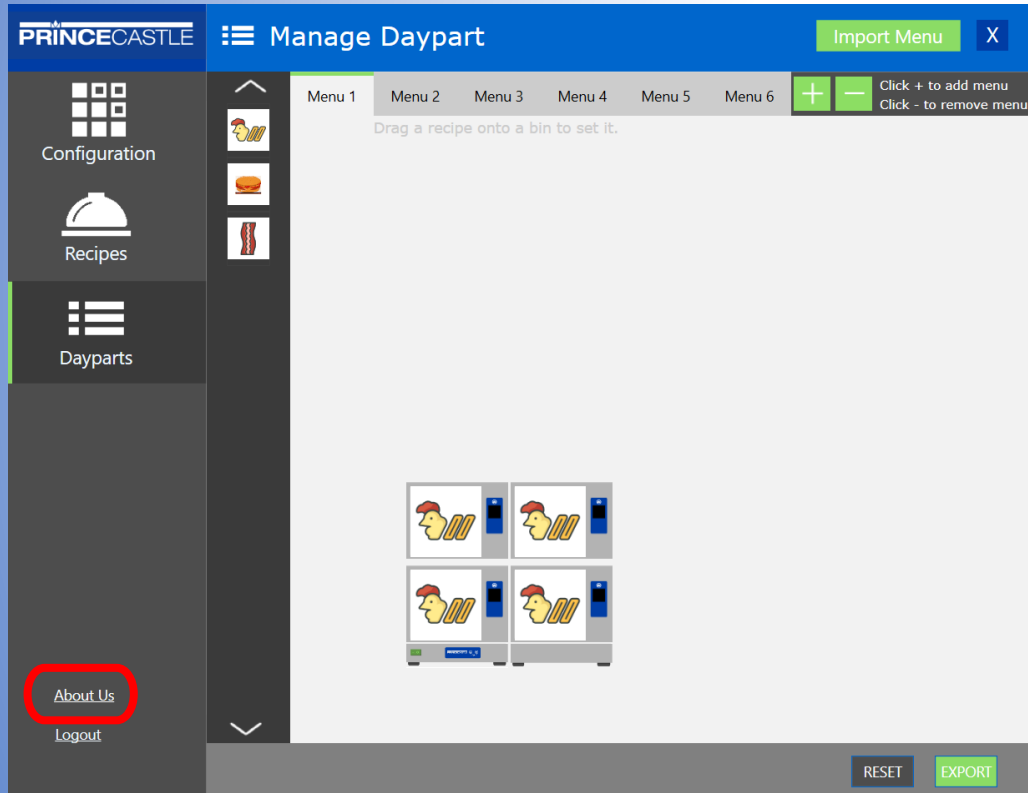


STEP 3: POWER ON MAIN BASE:

STEP 4: WHEN PRINCE CASTLE LOGO DISPLAYS  
THE UPLOAD IS COMPLETE.

STEP 1: 'LEFT-CLICK' THE 'ABOUT US' LINK:

THIS SCREEN DISPLAYS SOFTWARE VERSIONS

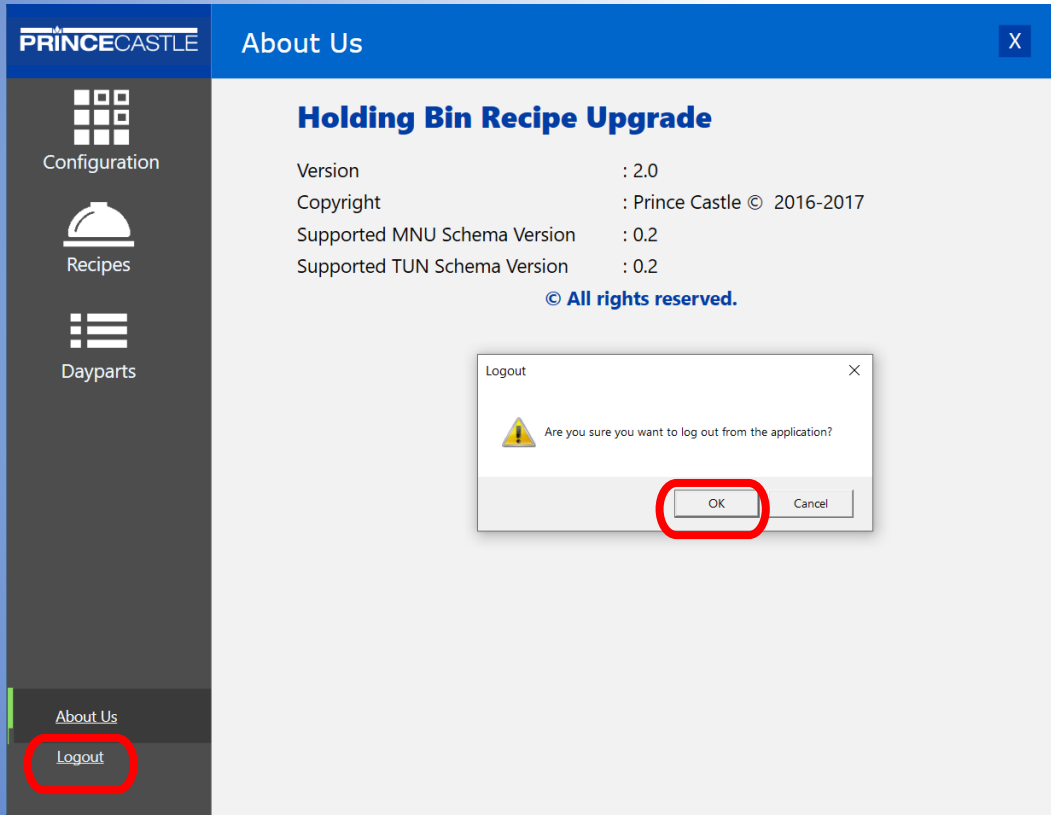




# LOGOUT & EXIT

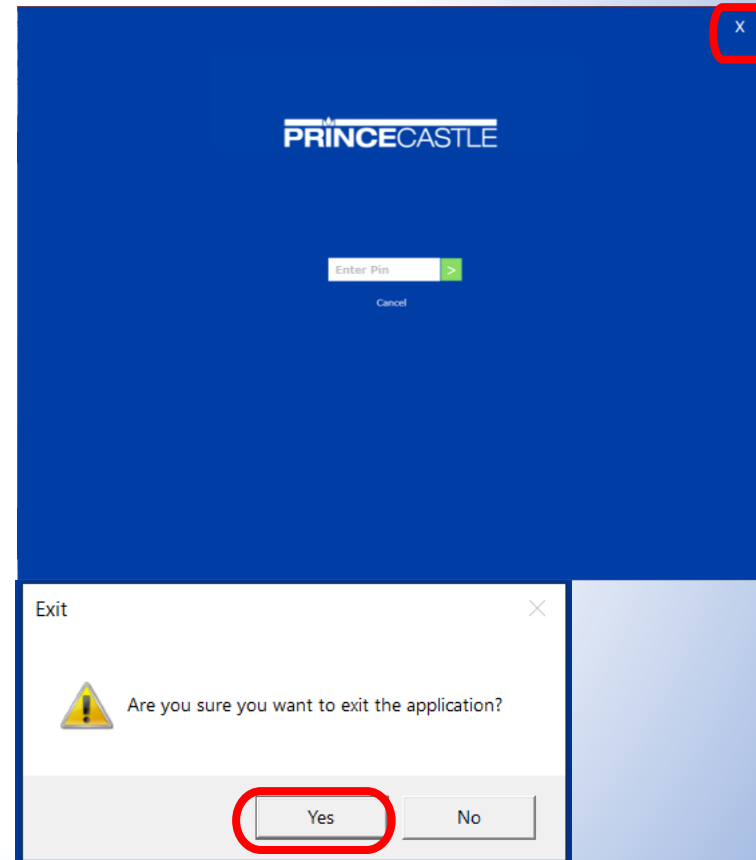
STEP 1A: 'LEFT-CLICK' THE 'LOGOUT' LINK:

STEP 1B: 'LEFT-CLICK' OK TO EXIT THE APPLICATION:



STEP 2A: 'LEFT-CLICK' THE X TO EXIT THE PROGRAM:

STEP 2B: 'LEFT-CLICK' YES:





# TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SOLUTION
<b>No Power</b>	Power switch is turned off, Power cord is not plugged in. Cover or endcap is missing or not connected.	Turn power switch to ON position, Ensure power cord is connected to proper receptacle Tighten 3 screws on module and cover, ensure endcap is in place at end of last base on the right
<b>Some units will not heat / power on</b>	Units are not securely connected	Tighten 3 screws on module and cover, ensure endcap is in place at end of last base on the right. Check and tighten screws holding bases together, and ensure expansion bases are powering on properly.
<b>Unit will not heat up</b>	Wrong power cord, loose connection on power switch and/ or heater	<b>CALL TECH SUPPORT</b> <b>1-800-722-7853</b>
<b>Unit heats up but display does not work</b>	Timer bar wiring disconnected, module unit is defective	<b>CALL TECH SUPPORT</b> <b>1-800-722-7853</b>
<b>Unit under/over heats</b>	Check temperature settings	<b>CALL TECH SUPPORT</b> <b>1-800-722-7853</b>

CODE	PROBLEM	DESCRIPTION
<b>E01</b>	Upper Sensor Error	<b>Upper Sensor Shorted or Open—Both heaters will shut off</b>
<b>E02</b>	Lower Sensor Error	<b>Upper Sensor Shorted or Open—Both heaters will shut off</b>
<b>E03</b>	Upper Heater Error	<b>Heater open / heating relay shorted closed</b>
<b>E04</b>	Lower Heater Error	<b>Heater open / heating relay shorted closed</b>
<b>E05</b>	Recovery Error	Set point temp not reached in time
<b>E06</b>	Non-volatile Memory Error	Memory corruption in main base
<b>E07</b>	Configuration Error	Unable to set configuration upon power up
<b>E08</b>	USB File Upload Error	Unable to load file from USB due to file corruption





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