

# Ordering System Menu Manager Module Help

## CONTACT SUPPORT:

COMPANY NAME:	Ultimate Control
SUPPORT CONTACT:	Mohamed Sadek
EMAIL ADDRESS:	<a href="mailto:support@ultcontrol.com">support@ultcontrol.com</a>

## GENERAL INFORMATION

SIMPLWINDOWS NAME:	Ordering System Menu Manager V1.0
CATEGORY:	Miscellaneous
VERSION:	1.0
SUMMARY:	Read all menu items from local data file and extract all items' details to show them for example on touch panels, up to 50 menu items can be read by this module
CRESTRON HARDWARE REQUIRED:	3-series & 4-series processors <b>only</b>
SETUP OF CRESTRON HARDWARE:	N/A
CABLE DIAGRAM:	N/A

## NOTES:

General Notes:	<ul style="list-style-type: none"><li>• Menu data file should be saved as a CSV UTF-8 file, the program use the UTF-8 encoding to read data from the file, using other encodings will cause Unicode language texts not to show properly on the touch panel. The menu data file should be loaded to the controller's memory, the files should be loaded to the "NVRAM" folder or any sub-folder in it, and the complete path of the file should be passed to the <b>items_data_file_path</b> module parameter so the module would use this file to read the menu items.</li><li>• String passed to the <b>images_folder_url</b> parameter is an http URL pointing to the folder containing all images to be used with menu items, these images should be loaded to the "HTML" folder or any subfolder in it on the controller's memory, so for example if files are loaded to a folder named "images" in the "HTML" folder on the processor, then the URL for the folder will be <a href="http://hostname-or-ip/images/">http://hostname-or-ip/images/</a></li><li>• If each room program will be loaded to a different processor, then this module will need to be used in each program to get the menu items and have them available in every room, including the central service room</li><li>• Menu data read in the module is static data, which means that these data are updated globally in the program to make available for other modules like the <b>Ordering System Menu Item Manager</b> Module. Only 1 instance of this module should be added to single program, if more than instance is used with different menu data files, read data will follow the last read file</li></ul>
----------------	---

## CONTROL:

get_all_items_details	D	Pulse to read all menu items from data file set in the <b>items_data_file_path</b> parameter, by default all menu items are read when the program starts, this signal might be used if menu reloading is required while the program is running, i.e. if the menu data file is replaced while the program is running
-----------------------	---	---

## FEEDBACK:

items_count	A	Displays the total count of menu items read from the data file, this is useful to make sure that the GUI list is showing the exact number of items on the touch panel
item_*_id	S	Displays the item's ID for the corresponding menu item, as read from the menu data file
item_*_name	S	Displays the item's name for the corresponding menu item, as read from the menu data file
item_*_description	S	Displays the item's description for the corresponding menu item, as read from the menu data file
item_*_image_url	S	Displays the item's image URL for the corresponding menu item, this is the complete image URL, this is the image file name read from the menu data file appended to the base URL passed to the module in the <b>images_folder_url</b> parameter

## PARAMETERS:

images_folder_url	S	String for the base http URL to be used for the folder containing all item images, this URL points to the "HTML" folder or any subfolder on the control processor, so for example if files are loaded to a folder named "images" in the "HTML" folder on the processor, then the URL for the folder will be http://hostname-or-ip/images/
items_data_file_path	S	String for the path of the menu items data file, this data file is a .csv containing the information of the menu items, item information are:  "ID" for the item's ID, this can be any text, but make sure that each item will have its own unique ID "Name" for the item's name "Description" for the item's description "Image" for the item's image file name, the image name listed in this field is appended to the string passed to the <b>images_folder_url</b> parameter, so make sure to have all images loaded to the same folder set in the <b>images_folder_url</b> parameter

## TESTING:

OPS USED FOR TESTING:	3-Series: v1.601.3934.21185
SIMPL WINDOWS USED FOR TESTING:	4.14.20
DEVICE DB USED FOR TESTING:	200.01.001.00
CRES DB USED FOR TESTING:	200.00.004.00
SYMBOL LIBRARY USED FOR TESTING:	1113
SAMPLE PROGRAM:	Ordering System V1.0 Demo DIN-AP3
REVISION HISTORY:	V1.0 Initial Release