



## CONTACT SUPPORT:

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GENERAL INFORMATION	
<b>SIMPLWINDOWS NAME:</b>	CCI Config Processor Lite
<b>CATEGORY:</b>	Utility
<b>VERSION:</b>	1.3.0
<b>SUMMARY:</b>	<p>The CCI Configuration Suite Lite is made up seven different modules that when used together will allow you to develop a fully operational runtime configuration solution on the Crestron 3-Series controller.</p> <p>The suite creates/modifies a JSON configuration file and creates a webpage hosted on the controller that dynamically builds itself based on the structure of the JSON file and updates the Crestron program with changes made on the webpage. The suite uses the existing IIS WebServer on the 3-Series controller for this purpose. Crestron calls this technology CWS (Crestron Web Scripting).</p> <p>This module is responsible for communicating with JSON file, webpage and all registered component modules and it <b>MUST</b> be included in your program.</p> <p>To learn more about what other utility modules are available from Control Concepts visit the <a href="#">CCI Utility Module Store</a>.</p>
<b>GENERAL NOTES:</b>	<p>For detailed notes and instructions for using the entire CCI Configuration module suite, please see the CCI Configuration Suite Lite Overview document included in the module package. The lite version of the CCI Configuration Suite Lite library allows for one config processor to be registered with a maximum of ten categories, and for a maximum of 30 component configuration items.</p> <p><b>NOTE:</b> If more than one processor is added to the program, only one will be registered and randomly determined at runtime. If more than 30 components are added to the program, only 30 will be registered and randomly determined at runtime.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	3-Series, 4-Series or VC-4 processors <b>ONLY</b> .
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	N/A



<b>VENDOR SETUP:</b>	N/A
<b>CABLE DIAGRAM:</b>	N/A

## PARAMETERS

<b>ProcessorID</b>	Setting to indicate the instance number for this specific CCI Config Processor Lite module. One CCI Config Processor Lite module can be used in a single program. This setting associates configuration items to this processor module that specify the same processor ID.
<b>FilePath</b>	Setting to indicate the specific filepath to the JSON file that this processor works with. If the JSON file is not present when the program starts, it will be created automatically.
<b>CWSRoot</b>	Setting to indicate the specific URL route that this module manages. A configuration webpage will be created and available at the corresponding root.
<b>ValueUpdateType</b>	Setting to indicate whether value updates will come in from the webpage to the Crestron program as soon as they change (Update on Value Change) or when the Submit button is pressed on the webpage (Update on Submit Press). Note that if "Update on Submit Press" is selected, ALL values on a given page will be submitted all together when the button is pressed, after which the corresponding "CategorySubmitted" digital output signal will trigger.
<b>Category[X]</b>	Values indicating the names of the categories you would like to group component modules into. The webpage will automatically break and display the categories and items accordingly.



CONTROL		
Debug	D	Set high to enable the printing of internal trace messages related to this module and all its corresponding component modules from within SIMPL Debugger (provided Trace messages have been turned on there as well). These messages may be useful while debugging to see what processes are occurring behind the scenes and from within the included SIMPL# library. Note, it is highly recommended to leave this signal low unless actively debugging in order to avoid additional traffic to be generated in Debugger.
FEEDBACK		
Initialized	D	High to indicate the processor module and all component modules are registered and ready for use.
Busy	D	Value indicating the processor module is currently busy with either registration or creating the JSON file.
CategorySubmitted[X]	D	Each category will have a corresponding "CategorySubmitted" digital output. If "Update on Submit Press" is selected for the "ValueUpdateType" parameter, this digital will pulse after the values for a category are sent to the control program following a press of the "Submit" button on the webpage.



## TESTING:

<b>OPS USED FOR TESTING:</b>	CP3: 1.8001.214 CP4: 2.8001.86.1 VC-4: 4. 1. 65
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.25.4
<b>DEVICE DB USED FOR TESTING:</b>	200.275.1.0
<b>CRES DB USED FOR TESTING:</b>	219.5.1.0
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1189
<b>INCLUDE4.DAT FILE:</b>	2.19.58
<b>SAMPLE PROGRAM:</b>	CCI Config Suite Demo Lite
<b>REVISION HISTORY:</b>	<p>1.0.0 – Initial Release</p> <p>1.0.1 – Update .clz to handle different incoming CWS file paths on 4-series</p> <p>1.0.2 - Add missing library to .clz to fix compile issue</p> <p>1.0.3 – Updates to internal WebConfig...no changes to this module</p> <p>1.0.4 – Fix issue with CWS not disposing on program stop</p> <p>1.0.5 – Fix issue in .clz with path handling on VC-4</p> <p>1.0.6 - Fixed issue with 4-Series firmware [2.7000.00052.01]</p> <p>1.0.7 – Fix issue with Digital Component in internal WebConfig...no changes to this module</p> <p>1.0.8 – Fix issue with VC-4 path handling</p> <p>1.1.0 - Updates to internal WebConfig...no changes to this module</p> <p>1.2.0 - Updates to internal WebConfig...no changes to this module</p> <p>1.3.0 – Added "Submit" button and associated functionality to internal WebConfig</p>