

Partner: Home Connect GmbH  
Appliance Type: Home Connect-enabled Robot Vacuum Cleaner  
(Roxxter)



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Home Connect v1.0 Vacuum Robot
<b>CATEGORY:</b>	Misc.
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module monitors and controls the vacuum robot appliances compatible with the <a href="#">Home Connect</a> cloud platform. Home Connect is featured on a wide range of connected home appliances from Bosch, Siemens, Neff, Gaggenau and Thermador.
<b>GENERAL NOTES:</b>	<p>This module interacts with one physical appliance. If multiple cleaning robots are required one module for each appliance must be added to the solution. This module requires one instance of the BSH Home Appliance v1.0 Comm IP module for managing all communication to and from the appliance.</p> <p>Refer to the BSH Home Appliance v1.0 Comm IP Help file for important instructions regarding control processor and module configuration.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 3-Series processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	N/A

## PARAMETERS:

<b>Device ID</b>	Setting indicates the unique ID (HAID) of the appliance this module will interact with.
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**CONTROL:**

<b>Power On</b>	D Pulse to set the power state to on.
<b>Power_Standby</b>	D Pulse to set the power state to standby.

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**FEEDBACK:**

<b>Device_Name</b>	S	Text value indicates the friendly name of the appliance device.
<b>Is_Initialized</b>	D	Signal latched high indicates that all state values of the device have been refreshed in the module and that the module is ready to control the device.
<b>Is_Connected</b>	D	Signal latched high indicates the physical device is connected to the Home Connect platform. When low, the device cannot be controlled through the module.
<b>Power_Is_Enabled</b>	D	Signal latched high indicates that device power can be controlled through the module.
<b>Power_Is_On</b>	D	Signal latched high indicates the device power state is on.
<b>Power_Is_Standby</b>	D	Signal latched high indicates the device power state is standby.
<b>Program_Running_Progress</b>	A	Integer value indicates the completion percentage of the running program. Percentage range is from 0 to 65535.
<b>Program_Elapsed_Time</b>	S	Text value indicates the amount of time the selected program has been running in hours, minutes, and seconds, formatted as HH:MM:SS.
<b>Program_Remaining_Time</b>	S	Text value indicates the amount of time the selected program still requires for completion in hours, minutes, and seconds, formatted as HH:MM:SS.
<b>Run_Program_Error</b>	S	Text value indicates an error state that prevents the module from running the selected program.
<b>Program_Active_Label</b>	S	Text value indicates the friendly name of the active program.
<b>Operation_Is_Inactive</b>	D	Signal latched high indicates the device appliance is in inactive state. This state indicates the appliance power is in standby.
<b>Operation_Is_Ready</b>	D	Signal latched high indicates the device appliance is in ready state. The state indicates no program has been activated.
<b>Operation_Is_DelayedStart</b>	D	Signal latched high indicates the device appliance is in delayed start mode. The state indicates a program has been activated but has not been started yet.
<b>Operation_Is_Running</b>	D	Signal latched high indicates the device appliance is in running state. This state indicates a program is in progress.

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<b>Operation_Is_Paused</b>	D	Signal latched high indicates the device appliance is in paused state. This state indicates a program is halted.
<b>Operation_Is_ActionRequired</b>	D	Signal latched high indicates the device appliance is in action required state.
<b>Operation_Is_Finished</b>	D	Signal latched high indicates the device appliance is in finished state. This state indicates a running program has completed.
<b>Operation_Is_Error</b>	D	Signal latched high indicates the device appliance is in error state.
<b>Operation_Is_Aborting</b>	D	Signal latched high indicates the device appliance is in aborting state. This state indicates a program has been terminated before completing normally.
<b>Door_Is_Open</b>	D	Signal latched high indicates the device appliance door is open. A program cannot be run while the door is open.
<b>Door_Is_Closed</b>	D	Signal latched high indicates the device appliance door is closed. The door must be closed in order to run a program.
<b>Door_Is_Locked</b>	D	Signal latched high indicates the device appliance door is locked.
<b>Program_[x]_Is_Available</b>	D	Each signal latched high indicates the program is supported by the device and can be executed through the module (where "x" is the specific program name).
<b>Program_[x]_Is_Selected</b>	D	Any signal latched high indicates the program is the currently selected program on the appliance (where "x" is the specific program name).
<b>Program_Selected_Label</b>	S	Text value indicates the friendly name of the currently selected program.
<b>Program_Selected_Index</b>	A	Integer value indicates the index value of the currently selected program. This value can be used to drive custom text for the selected program.
<b>ReferenceMap_Is_Available</b>	D	Signal latched high indicates the reference map option group is available to display to the user as part of the selected program.
<b>ReferenceMap_[x]_Is_Available</b>	D	Each signal latched high indicates a selectable choice the user can make for the reference map option group as part of the selected program (where "x" is the specific reference map name).
<b>CleaningMode_Is_Available</b>	D	Signal latched high indicates the cleaning mode option group is available to display to the user as part of the selected program.
<b>CleaningMode_[x]_Is_Available</b>	D	Each signal latched high indicates a selectable choice the user can make for the cleaning mode option group as part of the selected program (where "x" is the specific cleaning mode name).

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<b>ReferenceMap_[x]_Is_Selected</b>	D	Any signal latched high indicates the reference map choice is the currently selected option for the reference map option group (where "x" is the specific reference map name).
<b>ReferenceMap_Selected_Index</b>	A	Integer value indicates the index value of the currently selected reference map option. This value can be used to drive custom text for the selected option.
<b>ReferenceMap_Selected_Label</b>	S	Text value indicates the friendly name of the currently selected reference map program option.
<b>CleaningMode_[x]_Is_Selected</b>	D	Any signal latched high indicates the cleaning mode choice is the currently selected option for the cleaning mode option group (where "x" is the specific cleaning mode name).
<b>CleaningMode_Selected_Index</b>	A	Integer value indicates the index value of the currently selected cleaning mode option. This value can be used to drive custom text for the selected option.
<b>CleaningMode_Selected_Label</b>	S	Text value indicates the friendly name of the currently selected cleaning mode program option.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP3 1.603.4242.34642
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.14.20
<b>CRES DB USED FOR TESTING:</b>	201.00.004.00
<b>DEVICE DATABASE:</b>	200.05.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1114
<b>SAMPLE PROGRAM:</b>	Home Connect v1.0 Demo IP CP3.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release