

Certified Module



GENERAL INFORMATIO	N		
SIMPLWINDOWS NAME:	Home Connect v1.0 Comm IP		
CATEGORY:	Misc.		
VERSION:	1.0		
SUMMARY:	This module manages connected appliances compatible with the Home Connect cloud platform. Each device module registers with this comm module.		
	The Home Connect modules requires some external configuration for the modules to work properly, including applying a root certificate to the trust store on the processor, pairing the module with the Home Connect cloud server, and acquiring the Home Connect appliance identification strings for your account. Review the procedures below to ensure your control processor and modules are configured correctly. LOADING THE AAA ROOT CERTIFICATE A secure certificate "cert4.cer" is included with the project files and must be added to the Root Certificate Trust Store of the control processor if it is not already present. This certificate provided by Crestron and may already be loaded. If the certificate named "AAA Certificate Services" is found in the list of root certificates. 1. Open Crestron Toolbox. 2. Open the System Info tool. 3. Select Functions -> Security Certificates		
GENERAL NOTES:	Security Certificates - auto 192.168.193.101 Add Root Certificate View Certificate Root Intermediate Machine User Name Expiration Date America Online Root Certification Aut 19 Nov, 2037 America Online Root Certification Aut 19 Nov, 2037 Baltimore CyberTrust Root 12 May, 2025 Class 2 Public Primary Certification Au 1 Aug, 2028 Class 3 Public Primary Certification Au 1 Aug, 2028 Class 3 Public Primary Certification Au 2 Aug, 2028 Close 4. Click Add Root Certificate. 5. Browse to the unzipped demo project folder to locate the file cert4.cer. 6. Click Yes to confirm loading the certificate.		

7. Once the certificate is added, it will be listed in the store.



Partner: Home Connect GmbH

Appliance Type: Home Connect-enabled appliances



CERTIFIED

CRESTRON

Security Certificates - auto 192.168.193.101 ? \times Add Root Certificate View Certificate Delete Root Certificate Root Intermediate Machine User Name Expiration Date VeriSign Class 3 Public Primary Certific... 16 Jul, 2036 VeriSign Trust Network 1 Aug, 2028 VeriSign Universal Root Certification A... 1 Dec, 2037 XRamp Global Certification Authority 1 Jan. 2035 Go Daddy Class 2 Certification Authority 29 Jun, 2034 AAA Certificate Services Close

- 8. Click Close on the Security Certificates dialog.
- 9. Select Functions -> Device Reboot.

PAIRING THE MODULE

Pairing the module with the Home Connect cloud server is a one-time process. The module will store the pairing information for subsequent connections after the initial pairing is completed. Pairing is accomplished through the module and must be completed before the module can communicate with any appliances in the Home Connect account. The process requires outside access to a web browser where the provided pairing URL can be entered. Follow the steps below to pair the module. The process can be completed using the provided demo program or using SIMPL Debugger in Toolbox, although it is helpful to have a user interface. The instructions below refer to the demo program

1. Load the demo program to the control processor. Make sure the Comm IP module has the Server Selection property set.



2. Click the gear icon in the upper-right corner of the xpanel interface to view the settings page.

(1) XPanel - New Project	-		х
File Options Help			
O Home Connect		ţÇ	3

www.crestron.com



Certified Module

Partner: Home Connect GmbH Appliance Type: Home Connect-enabled appliances





3. Click **Pair**. A message will be displayed with instructions to browse to the specified URL.



The necessary URL and code can be obtained through SIMPL Debugger.



4. Open a separate web browser and navigate to the specified URL. Enter the provided code.

•	Home Connect
Please enter the code displayed on	your device.
	Verify

www.crestron.com



Certified Module

Partner: Home Connect GmbH Appliance Type: Home Connect-enabled appliances



5. Click **Verify**. The browser will navigate to a login screen for your Hone Connect account. Enter your Home Connect account credentials and click **Login**.

O Home Connect	
Please log in with your Home Connect account to grant access to your appliance(s) to this app	plication
E-mail	
Password	
Login	
Forgot your password? Click here to request a password reset.	
If you don't have a Home Connect account yet, please register in the Home Connect app.	
Find out more about Home Connect.	

6. Click Approve to enable module access to your Home Connect account.

C	Home Connect
crestron.module.deviceflow would like	ke to:
 Identify your home appliances 	
 Monitor your home appliances 	
 Get and modify the settings of 	your home appliances
 Control your home appliances 	
1	Approve
By clicking on "Approve" you grant the Connect Terms of Use and Privacy P	his application access to your data in accordance with the Home Policy.

 The pairing process is complete. If using the demo program xpanel, the pairing screen will close automatically, and the Pair indicator will turn green. Note that the entire process must be completed within a short amount of time, or the code will be invalidated.

	O Home Connect	
	\checkmark You have granted access to the device. Please check your device for next steps.	
File Options Help		- 🗆 ×
	O Home Connect	×
	PAIR	PAIRED
	REINITIALIZE ENABLE DEBUG	
	CLEAR ERROR	

www.crestron.com







OBTAINING APPLIANCE IDENTIFICATION STRINGS (HAIDs)

1. Click the link below or copy into a browser to navigate to the Home Connect login page.

https://api.home-

- 2. Enter your Home Connect user credentials and click **Login.**
- 3. Click Approve to give access to the appliances in your account.

(Home Co	onnect
HAID discovery would like to:		
 Identify your home appliance 	15	
	Approve	Cancel

4. Copy HAID strings to the corresponding appliance module in your program.

Below are the appliances in your system and their corresponding HAID's.

Name	HAID
Coffee Machine	BOSCH-BCM8450UC-68A40E2368C1
Washing machine	BOSCH-WAW285H2UC-68A40E14CF96
Dryer	BOSCH-WTG865H2UC-68A40E167EB3
Home Coffee	BOSCH-BCM8450UC-68A40E02BF0B
Oven	THERMADOR-MED301WS-68.440E140891





Certified Module

	Home Connect v1.0 Coffee Maker			
٠	General	General	•	
+	ProgramControl	ProgramControl	+	
+	Operation State	Operation State	÷	
٠	DoorState	DoorState	÷	
+	AvailablePrograms	AvailablePrograms	÷	
٠	SelectProgram	SelectProgram	÷	
+	AvailableProgramOptions	AvailableProgramOptions	÷	
+	SelectProgamOptions	SelectProgamOptions	÷	
+	FunctionLight	FunctionLight	÷	
Device_ID	BOSCH-BCM8450UC-68A40E2368	301		

CRESTRON HARDWARE REQUIRED:	Crestron 3-Series processor.
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A



Certified Module



PARAMETERS:

CommandProcessor_ID

The unique identifier of this comm module.

Server_Selection

The Home Connect server to connect to.



Certified Module



CONTROL:		
Pair	D	Pulse to initiate pairing the module to your Home Connect account.
Unpair	D	Pulse to terminate the paired connection. The module must be paired again before any device modules can be controlled.
Reinitialize	D	Pulse to reinitialize the module.
Enable_Debug	D	Pulse to toggle debug mode. While enabled, debug output will be sent to the Crestron Toolbox debugger tool.
Clear_Error	D	Pulse to clear the last error reported by the module.



Certified Module



FEEDBACK:		
Is_Pairing	D	Signal latched high indicates pairing is in progress. The signal remains high until a pairing success or failure event is received.
Is_Paired	D	Signal latched high indicates the module is paired.
Is_Initialized	D	Signal latched high indicates the module is connected to the Home Connect platform and the event stream is active.
AuthenticateURL	S	Text value indicates the browser URL to navigate to for pairing the module.
AuthenticateCode	S	Text value indicates the authentication code needed to enter into the pairing website specified by the AuthenticateURL text value.
Error_Message	s	Text value indicates the last error message received by the comm module.



Certified Module



TESTING:

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