

Partner: Hunter Douglas
Models: PowerView Gen3
Device Type: Shades/Drapes Controller



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Hunter Douglas PowerView Gen3 Command Processor v1.1
CATEGORY:	Shades/Drapes
VERSION:	1.1.0
SUMMARY:	This module controls IP communication with a Hunter Douglas PowerView Gen3.
GENERAL NOTES:	<p>This module acts as the primary communication interface to a single PowerView Gen3 controller. If the control program needs to control multiple devices, a separate module is required for each device.</p> <p>The module has safety logic incorporated. For instance: If the primary position is at 0% (closed) and the tilt is at 50% (half open), changing the primary position may default change the tilt to 100% (open). Some of this will depend on how your shades are set up.</p> <p>Known Issues with tested firmware:</p> <ul style="list-style-type: none">• No motion-start event for primary motor of shade capability type 9.• Current positions do not always end on target position. <p>Module developer contact: Control Concepts, Inc. (201) 797-7900 support@controlconcepts.net</p>
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series, 4-Series or VC-4 processor.
SETUP OF CRESTRON HARDWARE:	This module is required to use the Hunter Douglas PowerView Gen3 Scene Control v1.1, Hunter Douglas PowerView Gen3 Shade Control v1.1 and Hunter Douglas PowerView Gen3 Light Control v1.1 modules.
VENDOR FIRMWARE:	Hunter Douglas PowerView Gen3 - 3.1.485
VENDOR SETUP:	N/A

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**PARAMETERS:**

IP_Address	The network address of the device to control.
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**CONTROL:**

Connect	D	Establishes communication with the cloud service and starts the initialization for all registered device modules.
Disconnect	D	Stops communication from the command processor to the cloud service.
Debug	D	Set high to enabled debug messages.
IP_Address	S	The local IP/hostname for the master gateway. This serial signal is optional if the parameter is used.

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**FEEDBACK:****Is_Communicating**

- D Indicates the command processor is communicating with the cloud service when the signal is high, or not communicating when the signal is low.

Is_Initialized

- D Indicates the command processor is synchronized with current device state of all registered device modules when the signal is high, or not synchronized with current device state when the signal is low.

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TESTING:

OPS USED FOR TESTING:	CP3: v1.8001.0214 MC4: v2.8001.00086.01
SIMPL WINDOWS USED FOR TESTING:	4.2500.04
CRES DB USED FOR TESTING:	221.0000.002.00
DEVICE DATABASE:	200.29500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1194
SAMPLE PROGRAM:	HunterDouglas PowerViewGen3 Demo v1.1.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Add functionality to underlying SIMPL# library for the following: <ul style="list-style-type: none">- Support Aura Illuminated Shades- Add Shade Group functionality- Add ability to report control system type for metrics- Change heartbeat to use a different command- Tap into new “homedoc” event stream to capture real-time name changes