

SIMPL WRAPPER FOR HEGEL AV-RECEIVER

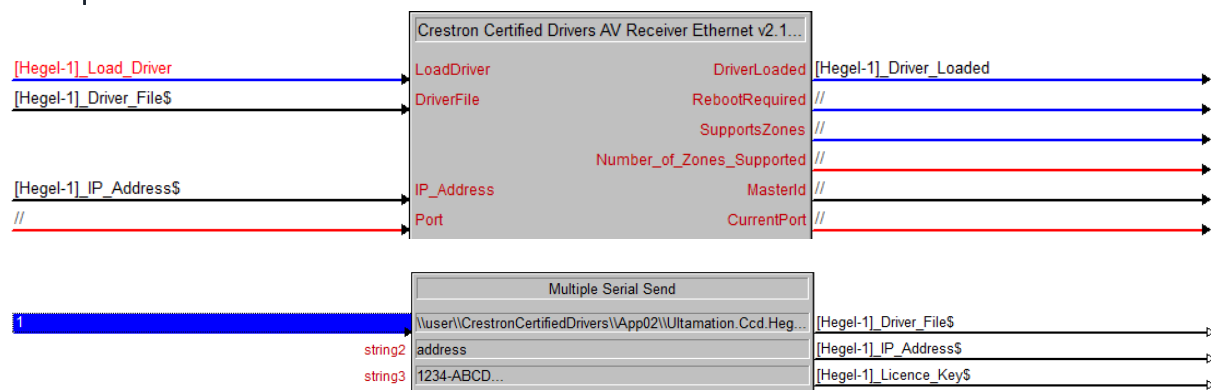
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WRAPPING THE CRESTRON HOME DRIVER

An example SIMPL program has been included with this document, which shows how the Hegel Crestron Home Driver can be used in a SIMPL program with the "Crestron Certified Drivers AV Receiver Ethernet v2.1 (cm)" module.

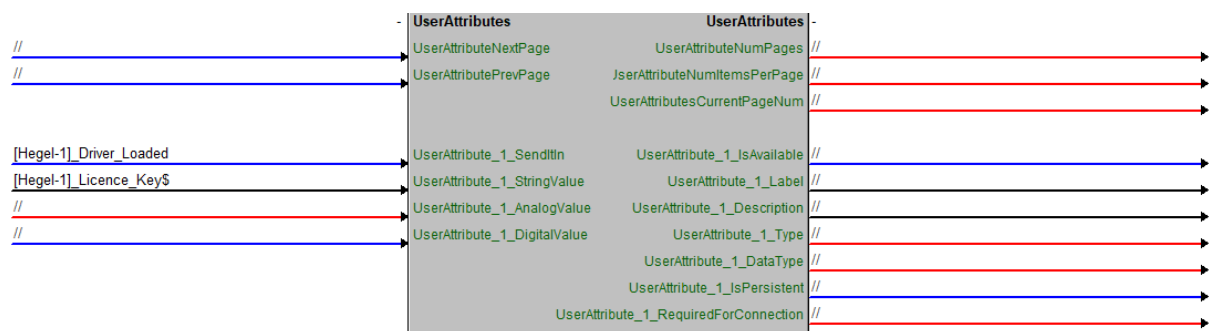
Setup



First, the Ultamation.Ccd.Hegel.pkg file needs to be loaded onto the processor. In the example above it has been loaded into \\user\\CrestronCertifiedDrivers\\App02. Another common location is nvram. Make sure to not load it into a program folder as this will be overwritten when a program is loaded into that slot.

Make sure that the path to the pkg file is inputted to DriveFile input on the module.

The IP_Address input must be set to the IP Address of the Hegel AV Receiver.



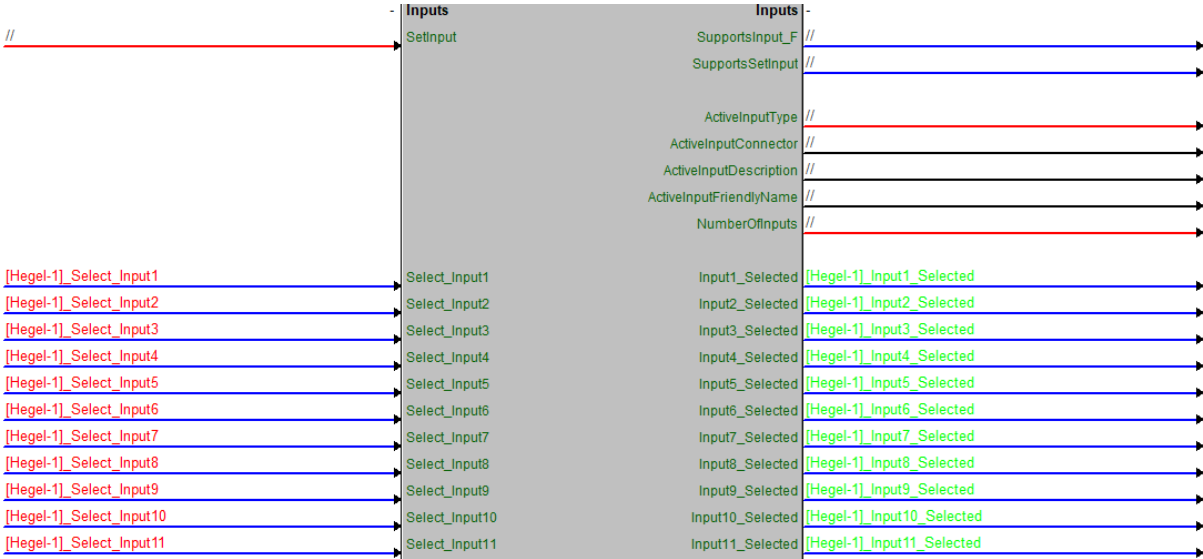
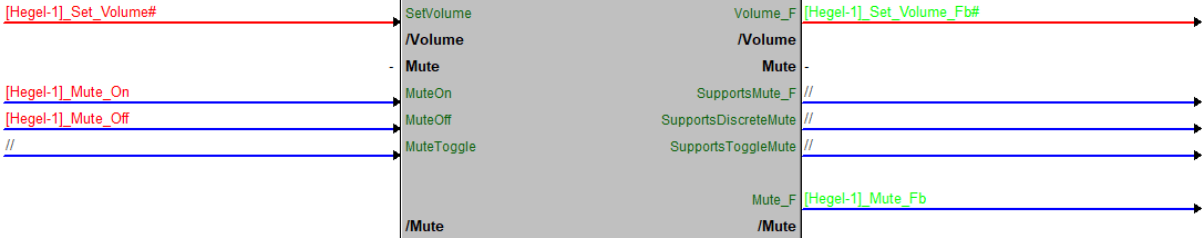
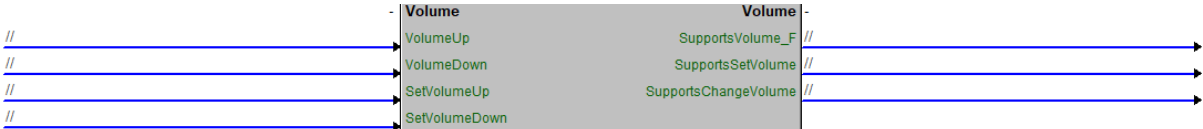
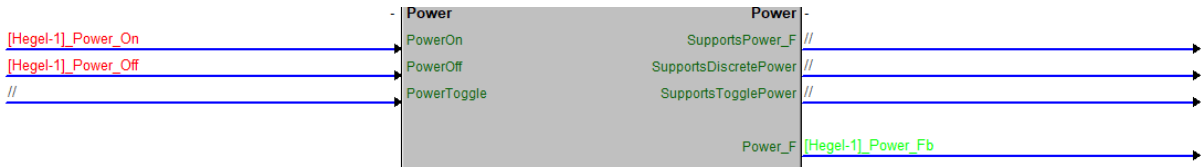
The driver is loaded by pulsing the LoadDriver input. **Once the driver is load, a Licence key needs to be entered.** This is done by setting the UserAttribute_1_StringValue input to the licence key and then pulsing the UserAttribute_1_SendItIn input. The driver will enter a one-hour trial period if an invalid licence key is provided.



The Connect input must be pulsed to connect the driver to the AV receiver. In the example program, the DriverLoaded output is used to trigger the Connect and UserAttribute_SendItIn inputs.

Control

The following images show the relevant controls for the Hegel AV receivers. Note: the number and order of audio inputs may differ depending on the Hegel model. Refer to the input table section for more information.



Troubleshooting

The log output from the driver can retrieved with the following signals.



MODULE DESCRIPTION

The Hegel AV-Receiver module supports the following functionality:

- ✿ IP connection (static address required)
- ✿ Discrete Power Control
- ✿ Power Feedback
- ✿ Discrete Input Selection
- ✿ Input Feedback
- ✿ Discrete Volume Control
- ✿ Volume Feedback
- ✿ Discrete Mute Control
- ✿ Mute State Feedback
- ✿ Discrete Reset Connection
- ✿ Reset Connection Feedback

Even though the unit may support additional functionality, this may not be exposed within Crestron. Manufacturers should contact Ultamation on support@ultamation.com if they wish additional feature support.

CONFIGURATION

When auto-standby commences, the device may become unsynchronised with Crestron. To maintain consistent playback, we strongly recommend the auto-standby / sleep function be set to off. Please visit support.hegel.com for detailed instructions that are relevant to your model.

In the case of a power outage, the device may take a few moments to re-establish a connection to Crestron. Once connected, the device can be woken from standby by selecting a room and starting playback to the Hegel.

INPUT TABLE

Please ensure the appropriate Input Channel is selected according to the device. Use the table below to inform this decision.

Input Number	Input Name				
	H95	H120	H190	H390	H590
1	Analog 1	Balanced	Balanced	XLR	XLR 1
2	Analog 2	Analog 1	Analog 1	Analog 1	XLR 2
3	Coaxial	Analog 2	Analog 2	Analog 2	Analog 1
4	Optical 1	Coaxial	Coaxial	BNC	Analog 2
5	Optical 2	Optical 1	Optical 1	Coaxial	BNC
6	Optical 3	Optical 2	Optical 2	Optical 1	Coaxial
7	USB	Optical 3	Optical 3	Optical 2	Optical 1
8	Network	USB	USB	Optical 3	Optical 2
9		Network	Network	USB	Optical 3
10				Network	USB
11					Network

SUPPORT

If you have any issues with a driver or installation, please let us know by contacting Ultamation support on support@ultamation.com and please include as much detail about your issue as possible, such a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

LICENCE

This module (including software, images and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A licence key is generated at the point of purchase and is linked at that time to specific information that MUST be provided at the time of purchase. A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

The licence key for each device will be delivered via email along with links to download the module. There is no physical delivery.

The module is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the module's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this module and this will be a separate, purchasable, product.