VELUX®

Velux KLF200
Crestron SIMPL Driver

PRODUCT MANUAL

JANUS TECHNOLOGY

PRODUCT MANUAL

Pease follow the link below to the manufactures documentation.

https://janustechnology.co.uk/product/velux-klf200-motorisation-controller-for-crestron-simpl/

FEATURES

This switcher driver provides the following functionality:

- Blind Discovery
- Blind Control
    - Open
    - Close
    - Stop
    - Go To Position
    - Wink
- Blind Feedback
    - Is Opening
    - Is Closing
    - Is Fully Open
    - Is Fully Closed
    - Current position
    - Target Position

Requirements

Crestron : Series 4 processor

Velux KLF 200 : 2.0 or above

Velux KLF 200 CONFIGURATION

Prior to setting the driver up in Crestron Home ensure that the KLF 200 is fully configured and works correctly. Please refer to documentation provided by Velux to setup the unit (link at top of document).

Below is a list of points to check during configuration:

- We recommend setting the KLF200 to have a static IP address set in either the device or your DHCP server.
- Ensure the unit is running the latest firmware version.
- Ensure that all blinds have been added to the system and end stops are set.

Driver License

Demo Licensing

When you first add this driver to the processor your will get one of two demo licenses:

- If your processor has access to the internet you will be granted a 30 day demo license.
- If your processor does not have internet access you will be granted a 8 hour demo license.

How to fully license the driver

To obtain a full license for the driver please follow the steps below:

- Obtain the mac address of your processor.
  - Log onto your processor using terminal from within toolbox.
  - Run the command “getcode”
  - Copy the activation code.
- Visit the URL below and purchase the driver.
  - https://janustechnology.co.uk/product/velux-klf200-motorisation-controller-for-crestron/
- Your order will be processed within one business day.
- The driver refreshes its licenses ever 12 hours but you can reboot the processor to refresh licenses if required.

MODULE CONFIGURATION

INPUTS

Names	Type	Range	Description
START_DISCOVERY	DIGITAL	NA	Starts the Discovery Process
BLIND_[x]_WINK	DIGITAL	NA	Wink blind [x]
BLIND_[x]_OPEN	DIGITAL	NA	Open blind [x]
BLIND_[x]_CLOSE	DIGITAL	NA	Close blind [x]
BLIND_[x]_STOP	DIGITAL	NA	Stop blind [x]
BLIND_[x]_GOTO_PERCENT	ANALOG	0-100	Blind [x] GoTo Precent value
BLIND_[x]_GOTO_ANALOG	ANALOG	0-65535	Blind [x] GoTo Analog value

OUTPUTS

Names	Type	Range	Description
CONNECTION_STATUS	STRING	NA	Connection status of the unit in a readable form.
CONNECTED	DIGITAL	NA	Connection status in a digital form. High is connected. Low is disconnected.
LICENSE_STATUS	DIGITAL	NA	License Status
DISCOVEY_COMPLETED	DIGITAL	NA	High signal show that discovery has completed
BLIND_[x]_IS_DISCOVERED	DIGITAL	NA	Feedback to show that blind [x] has been discovered
BLIND_[x]_IS_OPENING	DIGITAL	NA	Feedback to show that blind [x] is opening
BLIND_[x]_IS_CLOSING	DIGITAL	NA	Feedback to show that blind [x] is closing
BLIND_[x]_IS_FULLY_OPEN	DIGITAL	NA	Feedback to show that blind [x] is fully open
BLIND_[x]_IS_FULLY_CLOSED	DIGITAL	NA	Feedback to show that blind [x] is fully closed
BLIND_[x]_CURRENT_PERCENT	ANALOG	0-100	Feedback to show blind [x]'s current position as a percent
BLIND_[x]_CURRENT_ANALOG	ANALOG	0-65535	Feedback to show blind [x]'s current position as a analog
BLIND_[x]_TARGET_PERCENT	ANALOG	0-100	Feedback to show blind [x]'s target position as a percent
BLIND_[x]_TARGET_ANALOG	ANALOG	0-65535	Feedback to show blind [x]'s target position as a analog

Parameters

Names	Type	Description
IP_ADDRESS	STRING	IP address of unit
PASSWORD	STRING	Password to access API
BLIND_[x]_ID	STRING	KLF200 device ID

Device ID's

To configure the driver your KLF200 blind ID's need to be entered into the BLIND_[x]_ID parameters of the module. These ID's can be found by doing the following.

- Log into your Crestron processor using the Terminal application in Toolbox.
- Upload the project with the driver added (or the demo application) to the Crestron processor.
- After the Crestron Processor reboots and the driver connects to the KLF200 the blind ID's setup on the system will be displayed in Terminal.
- Copy the Blind ID and add to the driver parameters. They will be in a format like 1-1.
- Recompile and download the driver.
- If the driver is already running you can press the START_DISCOVERY signal to restart the discovery process.

SUPPORT

If you require support for this driver please fill in a support request at https://support.janustechnology.co.uk/

Please ensure you provide the following information.

- Driver version you are using.
- Platform you are using e.g. Crestron Home or SIMPL windows
- Firmware version of your Velux KLF200
- Firmware version of your Crestron system.
- A full description of the issue you are having and how to recreate the issue.

TROUBLESHOOTING

- Confirm that correct IP address is entered into the IP address field
- Confirm that the password you are using is correct.
- Confirm that you have entered the Blind_ID's in the driver parameters.
- Check the Velux KLF200 can be pinged from the control system controller. If the ping fails check your network configuration and cabling.
- We recommend using a static IP address. Ensure this is done in either the device or router.

CHANGE LOG

Version	Date	Firmware	Enhancement/Bugs
1.1.0.0	25-6-11	2.0	▪ Added Crestron SIMPL driver
1.0.1.0	2025-01-10	2.0	▪ Fixed positional feedback when commands are being run, prioritising the target position
1.0.0	2024-10-8	2.0	Formal Release

DISCLAIMER OF LIABILITY

The company shall not be liable for any issues, damages, or costs that may arise from the use of our driver software. While we strive to ensure that all versions of our driver are backward compatible, we cannot guarantee that this will always be the case. Users are advised to thoroughly test the driver in their specific environments and configurations before deployment to ensure compatibility and proper functionality. The company makes every effort to provide a reliable and functional product, but the driver is provided “as is” without warranties of any kind, either express or implied. The user assumes full responsibility for any loss, damage, or disruption caused using our driver, including, but not limited to, hardware malfunctions, data loss, or system failures. By using our driver, you acknowledge that you have read and understood this disclaimer, and you agree to release and hold harmless the company from any and all liabilities associated with its use.

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