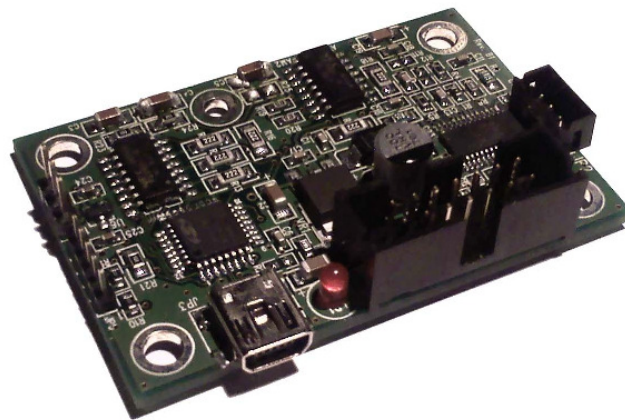


**ACE-SDC-V3**

**Stepper Driver + Controller**  
**with**  
**USB 2.0 Communication**

**Addendum A**



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**Revision History:**

1.00 – First revision

# Custom Conveyor Application

## ***Firmware***

Firmware V205 or greater supports the custom conveyor application.

The firmware is backward compatible with previous versions. Therefore the unit can be used as a conveyor module or as a standard ACE-SDC-V3 module.

## ***Software***

Software V108 or greater supports the custom conveyor application.

The software is backward compatible with previous versions. Therefore the software can be used to control previous versions of the ACE-SDC-V3 module.

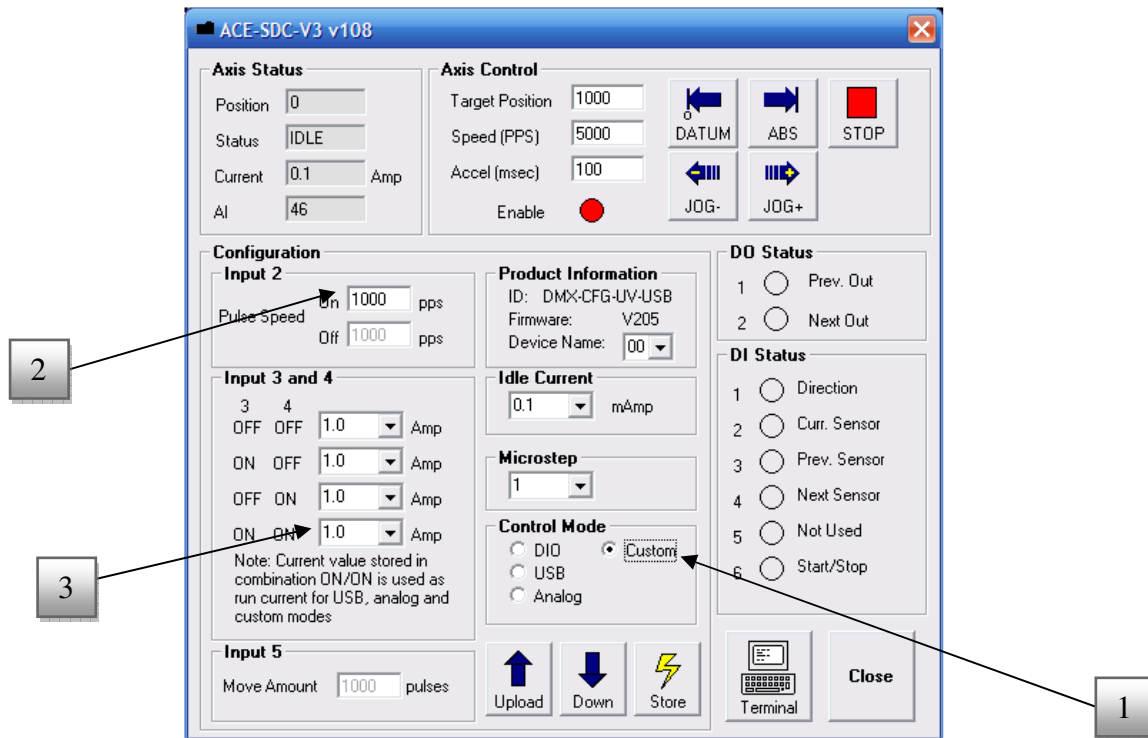
## ***Input and Output Mapping***

The standard IO ports on the ACE-SDC are mapped to the following application specific IOs.

<b>ACE-SDC-V3</b>	<b>Custom Application</b>
DI1	Direction
DI2	Current conveyor sensor input
DI3	Previous conveyor sensor input
DI4	Next conveyor sensor input
DI5	Not Used
DI6	Stop / Start
DO1	Previous conveyor output
DO2	Next conveyor output

## Configuring as a conveyor

To configure the ACE-SDC as a custom conveyor unit as opposed to a standard ACE-SDC unit send the “PA=3” command. This can also be done via the GUI. See item 1 in the figure below.



## Conveyor Settings

The speed used by the conveyor is stored in the P1 variable. This can also be set using the GUI. See item 2 in the figure above.

The run current used by the conveyor is stored in the P6 variable. This can also be set using the GUI. See item 3 in the figure above.

Similar to the standard ACE-SDC modes all configuration parameters can be stored to flash memory.

## **Contact Information**

Arcus Technology, Inc.

3061 Independence Drive. Suite H  
Livermore, CA 94551  
925-373-8800

[www.arcus-technology.com](http://www.arcus-technology.com)