

Adam 4000 Series Module Driver v2.00

Information Sheet for Crimson v3.0+

Compatible Devices

Adam 4000 Series Modules

Verified Device

Adam 4012, 4016, 4021, 4056SO, 4080 Modules

Device Configuration

A Model field is provided in the Device configuration area of the Adam 4000 Series Module Driver v2.00. This setting will apply a filter on the commands shown in the Adam command dialog box associated with this driver. Selecting the "Generic" selection available at the bottom of the model list will disable the filter and show all available commands.

Configuration Command

As noted in the Adam 4000 Module manual, the data portion of the Configuration Command is defined as NNTTCCFF in hexadecimal form where NN is the Adam module address, TT is the input range code, CC is the baud rate code and FF is the data format code.

Care should be taken when sending Configuration Command writes as this will change the configuration of the target Adam device. The desired values may be sent to the Adam module on a User Defined action as follows:

Config = Node << 24 | Input << 16 | Baud << 8 | Format

Where the tags named above are defined as follows:

Config is a tag mapped to the Adam Configuration Command.

Node is an internal tag representing the desired Adam module address.

Input is an internal tag representing the desired input range code of the Adam module.

Baud is an internal tag representing the desired baud rate code of the Adam module.

Format is an internal tag representing the desired format code of the Adam module.

When changing the Adam module address, Crimson's DevCtrl function may be used to change the Adam module address from the Red Lion device's perspective. DevCtrl may be called on a User Defined action as follows:

```
DevCtrl(Device, 1, AsText(Node))
```

Where Device is the device number and Node is an internal tag representing the new Adam module address.

Accessing Data

Detailed command definitions are provided which shows applicable options.

Note, when accessing Read Synchronized Data (ReadSyn), the Adam module requires the sending of the Synchronized Sampling (SynSamp) command.

String tags with ASCII Little-Endian packing should be used for the following commands:

Firmware Version
Module Name

Please contact Red Lion Technical Support Team for assistance should a command supported by the Adam module is not available in the Adam command dialog box.

Cable Information

Red Lion RS485 Port	Adam Data Module
Pin 1 - TxB	(Y) Data +
Pin 2 - TxA	(G) Data -
Pin 6 - GND	GND