VCS UI Hardware Menu

Hardware configuration within VCS begins with Spider connection.

Then continues with the test type selection to matches physical model.

Hardware setup continues with Shaker parameters within VCS UI Config

Inputs and signal control follow from the Top Toolbar to match sensor setup.

Ribbon -> Tools

Spider Configuration: Displays detected modules as well as currently selected spider's information regarding model type serial number and EDM version. Spider configuration is available when you are not connected to a spider currently.

Options include renaming spider system, setting as default system, importing a new system and IP address configuration.
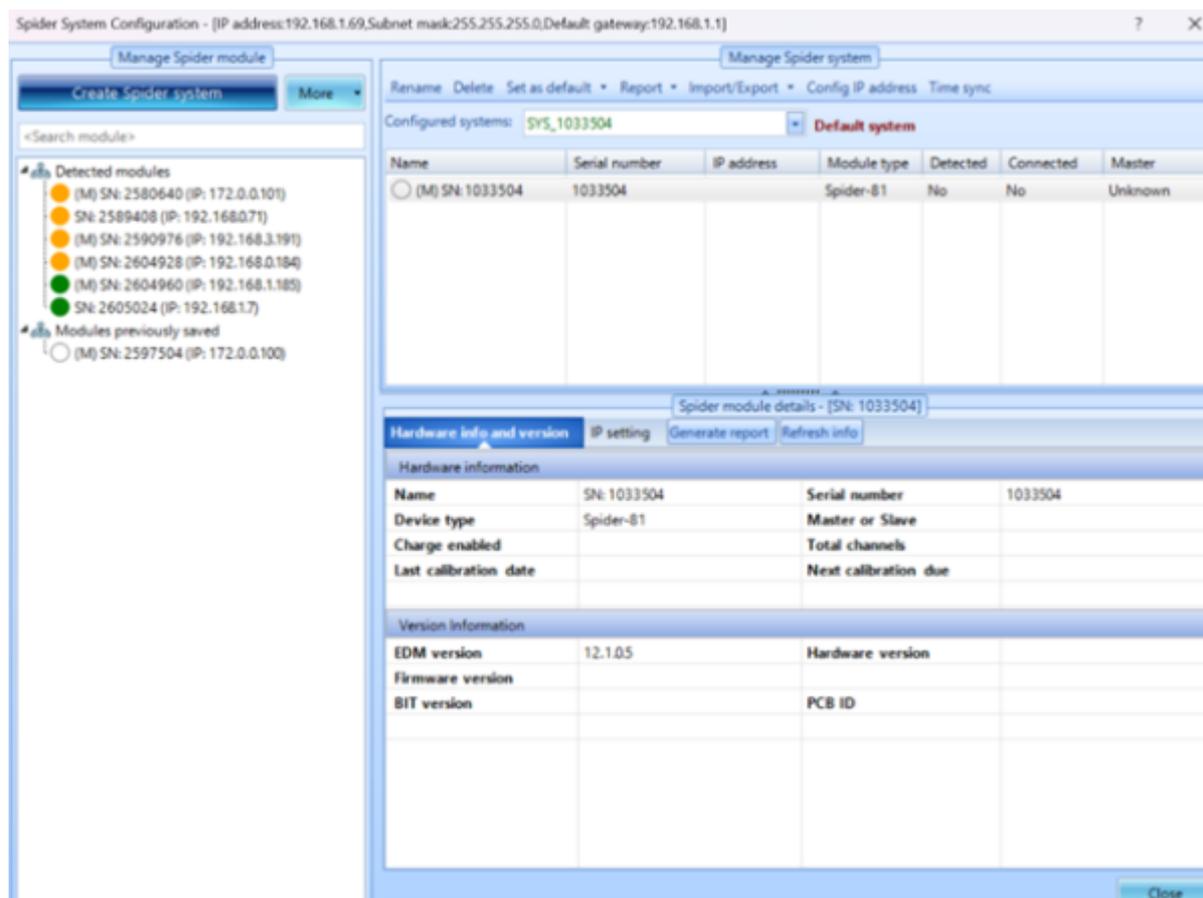
DIO Digital input & output allows for customization of input and output channels

A spider must be selected from the modules page to access DIO
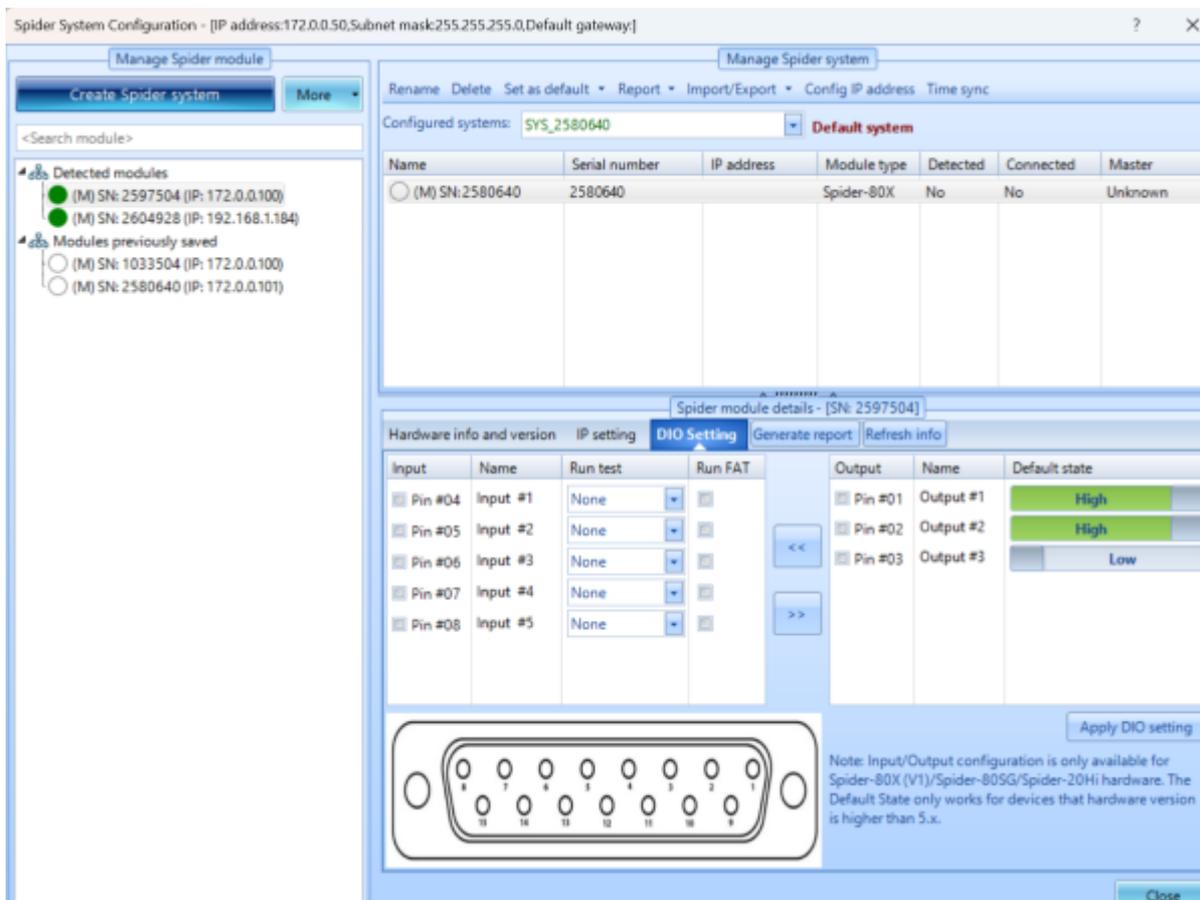
Spider Date & Time Settings: Set Date & Time to be synchronized with PC or to custom setup.

Global Settings: Allows customization of interface appearance, units, formatting, notifications and plot properties.

Working Folder: Sets the file browser/PC location of recording and saves data, as well as generated reports.
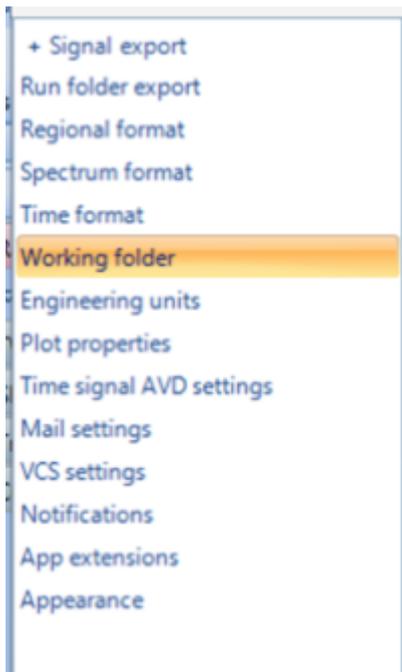
Calibration -> Sensor Calibration
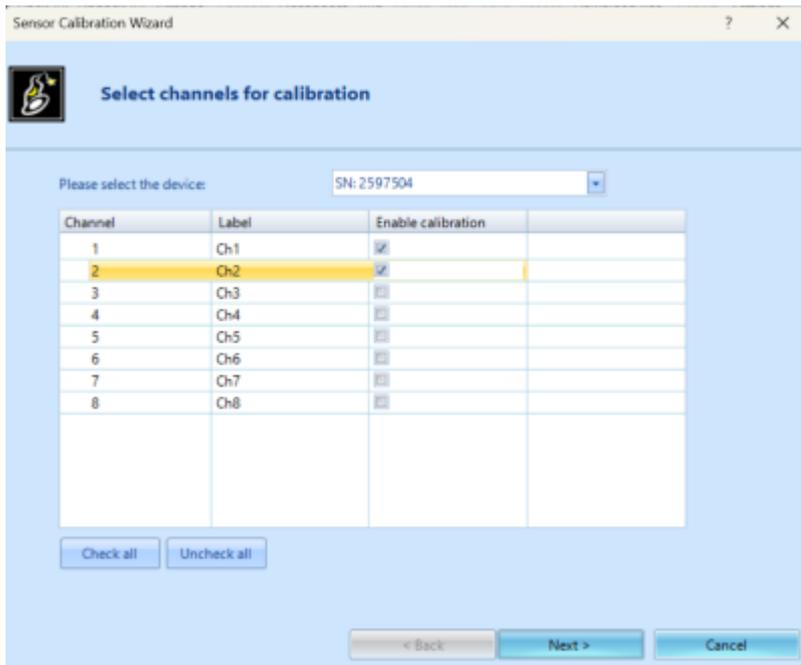
Allows for channel selection for sensor calibration. Previous/old sensitivity will be populated; new calibrated sensitivity will populate directly to input values after sensor calibration is complete.

Hardware Self Test

Spider Self Test   ?   ✕

Warning: during the self-test the drive channel will send voltage out. Please disconnect the output channel from any amplifier input.

The Spider hardware self-test will take 30 seconds per module to check the health of hardware properties such as memory or Front-End A/D converters.

This is recommended before conducting mission-critical tests.

Spider modules in the current system:

Check	Module	Result	Last checked	
☑	SN: 2597504	Unknown	2/19/2026 11:46:10 AM	

Check options

Please select options to test:

Options	Description	Result	
☑	Spider Ethernet TCP/IP setting	Unknown	
☑	PC and Spider network communication	Unknown	
☑	Spider synchronization clock (IEEE 1588)	Unknown	
☑	PC reads Spider hardware information	Unknown	
☑	Spider flash memory	Unknown	
☑	Communication with DSP	Unknown	
☑	Front-End initialization	Unknown	
☑	Analog Front-End self-calibration	Unknown	
☑	Stop current ongoing test	Passed	

☐ Prompt self-test if system idle left for   14 ⊟ hours

☐ Prompt self-test after cold restart

[Start self test]   [Generate report]   [Close]

Self-test will generate a drive output, so it is important to take precaution before running examination.

Top Toolbar -> Inputs
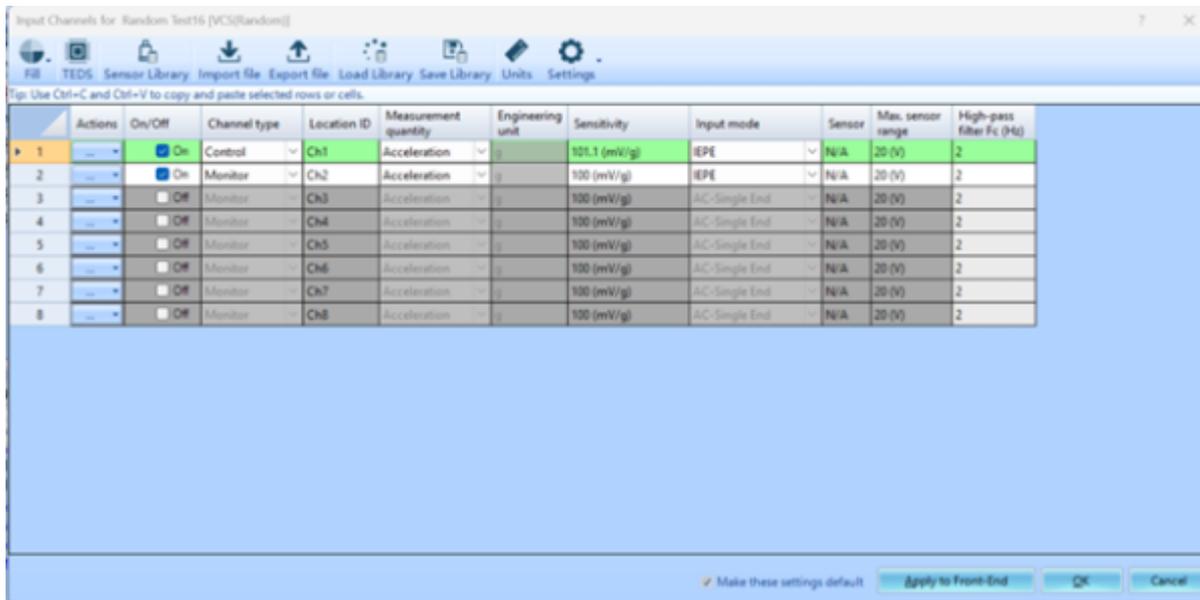
Input Channels for Test window allows you to define active channels as well as control and monitor channels. You can set the Name, Measurement, EU, Sensitivity and Input mode for the type of sensor used in test. High-pass and max range voltage range can also be set.

Settings

Shortcut to Global settings as described in Tools → Global settings.

Global settings include engineering units, which is important for sensor/input configuration, VCS settings, used for setup specific and test type information as well as common settings, and controls pass-filters for all incoming data.

From:
https://help.go-ci.com/ - **Crystal Instruments Help**

Permanent link:
https://help.go-ci.com/vcs:ui-overview:hardware-menu

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