

Record Data Before a Trigger Event

The Spider has the ability to perform Circular Recording. Using this feature, you are able to save and record measurements from before a trigger event occurs.

To set this up, go to **Setup → Test Configurations → Save/Recording setup** and navigate to the **Record time streams** tab.

Test Configurations for FFT Analysis [FFT]

Save/Recording setup «

Analysis parameters
Run schedule
Event actions
File directory
Save/Recording setup

Note: Saved signals consist of one block of time and frequency data. These signals are saved to the PC and can be viewed instantly. **Recorded signals** consist of continuous time data, either processed or raw, captured during a recording. These recordings are stored in the Spider's internal memory and must be downloaded before viewing. The signals to be saved or recorded can be selected from the "Measured Signals" setup.

Save signals **Record time streams**

Begin recording under the selected event —

- ☒ Manually start recording by pushing button
- ☐ When measurement starts
- ☐ When input signal is triggered according to trigger condition
- ☐ When digital input is received from
- ☐ When limit exceeded (Limits of Spectrum or Time Block must be configured in setup first)
- ☐ When time status exceeds the limit (Limits of Time Stream must be configured in setup first)
 - ☐ Below low alarm ☐ Below low abort ☐ Exceeds high alarm ☐ Exceeds high abort

Stop recording under the selected event —

- ☐ When digital input is received from
- ☐ When limit exceeded (Limits of Spectrum or Time Block must be configured in setup first)
- ☐ When time status exceeds the limit (Limits of Time Stream must be configured in setup first)
 - ☐ Below low alarm ☐ Below low abort ☐ Exceeds high alarm ☐ Exceeds high abort

Recording options —

Record duration: : : (HH:MM:SS) (Set 00:00:00 to record until stopped by user or system)

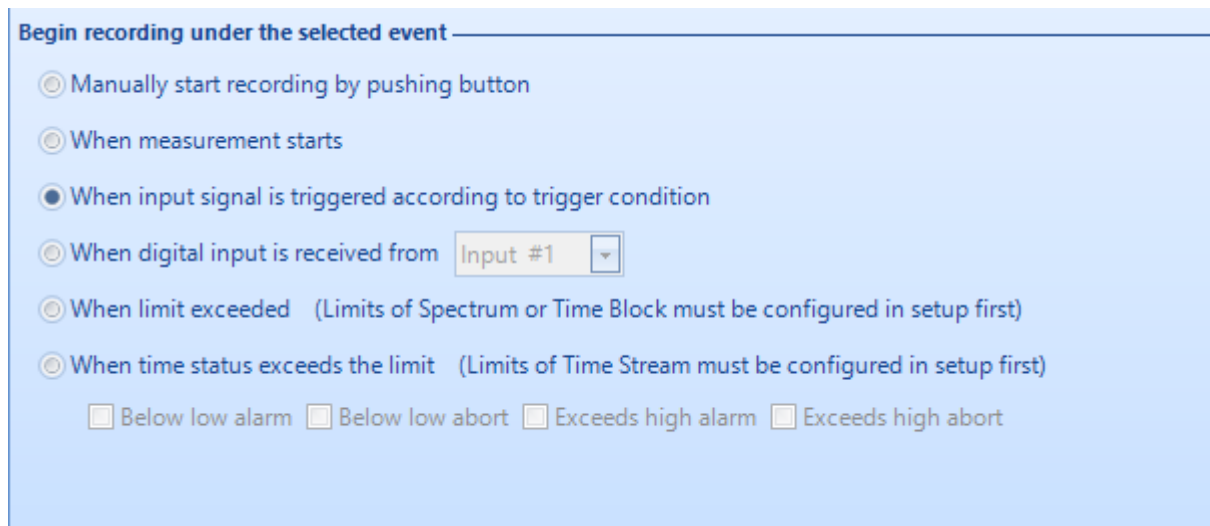
Start Recording events during Recording: ☐ Extend the recording duration ☒ Ignore

☐ Enable circular recording. When using circular recording, the number of channels being recorded must be a power of 2.

☒ Recording size MB ☐ Recording length Sec

Config. library

Select to begin recording “when input signal is triggered according to trigger condition”. To set-up the trigger, please follow the guide [here](#).

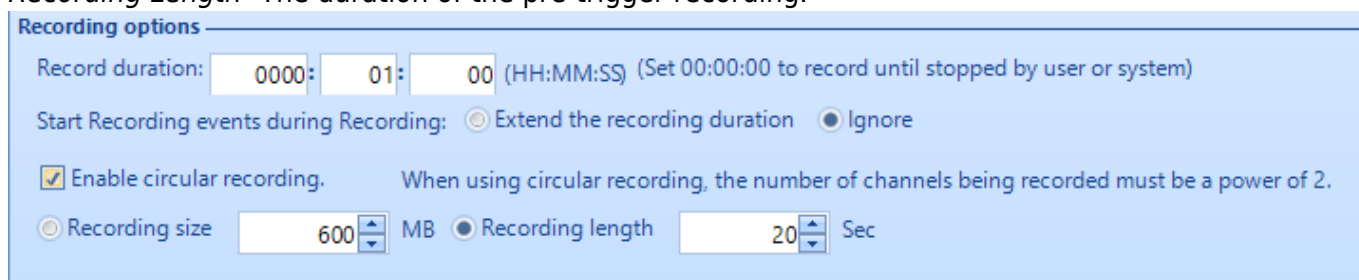


Under **Recording Options**, the circular recording parameters can be set up. Check the “Enable Circular Recording” option.

Record Duration- The total (pre-trigger + post-trigger) recording time.

Recording Size- Size of the pre-trigger recording.

Recording Length- The duration of the pre-trigger recording.



In the example seen above, when the trigger is met the Spider will record 20 seconds of pre-trigger data and then 40 seconds of post-trigger data for a total of 60 seconds.

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

Permanent link:
<https://help.go-ci.com/dsa:circularrecord>

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