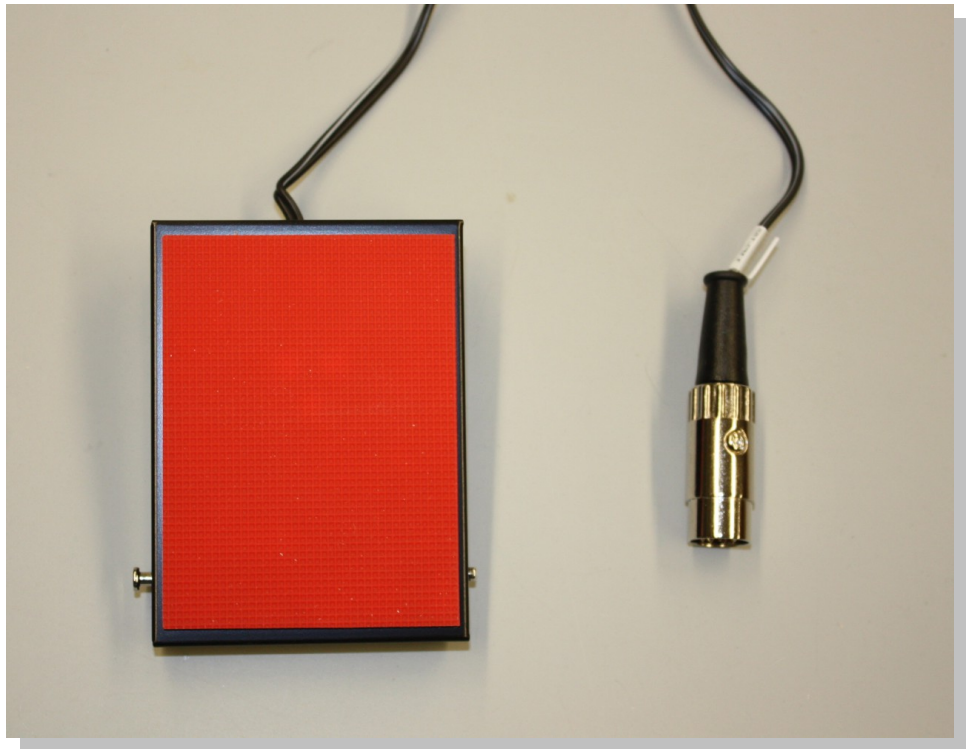


FRS-100 Foot Reaction Switch

Technical Note



FRS-100

Overview

The FRS-100 Foot Reaction Switch is a simple electronic switch that can create a signal mark on a recording. The FRS-100 connects to a DIN8 transducer input of an iWorx data acquisition system or amplifier. Pressing on the pedal of the FRS-100 sends a +5V signal to the recording channel to which the unit is connected. Releasing the pedal of the switch opens the switch and returns the voltage recorded to zero.

How to Use the FRS-100

Equipment Setup

Plug the DIN8 connector of the FRS-100 into one of the DIN8 transducer inputs of an iWorx data acquisition unit or amplifier.

Start the Software

When using an iWorx data acquisition system with DIN8 transducer inputs, or the ETH-256 or ETH-401 iWorx amplifiers:

- 1) Open the LabScribe software by clicking on its icon on the Desktop.
- 2) When the program opens, select **Preferences** from the **Edit** menu (or from the **LabScribe** menu on the Macintosh).
- 3) Select the **Channel** preferences dialog window.
- 4) Activate the channel to which the FRS-100 is connected by putting a check mark in the box to the left of the channel title.



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- 5) Name the channel to which the FRS-100 or the amplifier supporting the FRS-100 is connected. Set the **Function/Mode** for this channel to **DIN8**. Also, set the sampling rate and display time. Click **OK**.

Experiments

LabScribe experiments using the FRS-100 include:

- **Experiment HN-4: Hand vs. Foot Reactions** (found in the **Human Nerve** category of the LabScribe **Settings** menu as **Hand-FootReactions**)



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