

## Experiment HP-2: The Galvanic Skin Response (GSR) and Emotion

### Equipment Required

PC or Mac Computer

IXTA, USB cable, IXTA power supply

iWire-B3G GSR amplifier and electrodes

### Start the Software

1. Click on LabScribe
2. Click Settings → Human Psychophysiology → GSR-A
3. Once the settings file has been loaded, click the **Experiment** button on the toolbar to open any of the following documents:
  - Appendix
  - Background
  - Labs
  - Setup (opens automatically)

### GSR Setup

1. Locate the iWire-B3G galvanic skin response amplifier and GSR electrodes ([Figure HP-2-S1](#)) in the iWorx kit.



*Figure HP-2-S1: The iWire-B3G galvanic skin response amplifier.*

2. Plug the connector on the iWire-B3G galvanic skin response amplifier into the iWire 1 input of the IXTA ([Figure HP-2-S2](#)).
3. Attach the GSR electrodes to the pointer and ring finger of the subject's hand. Make sure the fingers are not too cold or too dry.
  - Subjects can lick their fingers to slightly moisten them and increase conduction.
  - Conductive paste can also be used.
  - Do not use alcohol on the subject's fingertips.

***Note: Make sure the iWire-B3G is plugged in to the IXTA before turning it on.***

**Note – the GSR unit is precalibrated. No other calibration is needed.**



*Figure HP-2-S2: The equipment needed to record GSR.*