Guide: Using E-Prime 3 and VU-AMS

For an example on how to connect to the VU-AMS and send markers to the VU-AMS you can use the VU-AMS_template_E3.es3 file. This is an E-Prime file that is a modified version of the VU-AMStemplate.es2 file, so that it works with E-Prime 3 and Windows 10. Make sure that the AmsSerial.dll file is installed on your computer and located either in the Windows system directory, or in the same directory as where the E-Prime task is located. Copy the User Script from this task to your task. Also, copy the Connecting Text object and AMSConnect Inline and AMSdisconnect inline. The trial procedures include Inlines with several examples of how to send markers.

Steps

Take the following steps when running an experiment with E-Prime and VU-AMS:
- Connect the VU-AMS to your computer (see the VU-DAMS manual for more information on how to do this).
- Open the VU-DAMS program.
- Go to Devices and Connect using Serial cable.
- Here, you can choose different settings (see the VU-DAMS manual for more information).
- When you are ready to start the physiological measurements, click on Start.
- IMPORTANT: Close the settings window (Close).
- Start the E-prime task.
- E-Prime will try to connect to the VU-AMS. When this is successful, you will see the following message: "Sending subject marker: OK", press OK. When the connection fails, you will receive an error (see Error messages section below). The task will continue, but no markers will be sent to the VU-AMS.
- Then the task will start.
- When the task is finished, go back to the VU-DAMS program and go to Devices and Connect using Serial cable. Here you press Stop to stop the recording.
- The VU-AMS data is saved on the memory card in the VU-AMS.

Error messages

The following error messages can occur:
- "ERROR: VU-AMS not connected or VU-DAMS settings window still open. Task will continue without VU-AMS." – The COM port to which the VU-AMS is connected is not found. This is because the VU-AMS is not (properly) connected to the computer or because the VU-DAMS settings window is still open. The task will continue without sending markers to the VU-AMS.
- "ERROR: Update AmsSerial.dll" – An old version of the AmsSerial.dll file is installed on the computer. The file needs to be updated. The task will stop.
- "ERROR: AMS is not recording! Task will continue." – The VU-AMS is connected to the computer, but not recording. This means that the VU-AMS recording was not started from the VU-DAMs program. Follow the steps above. The task will continue without the AMS recording.
- "ERROR: MarkerMode Error" – Markers cannot be sent to the VU-AMS. This can be because the VU-AMS is not (properly) connected to the computer.
- "Warning: Don't use Marker" – Markers cannot be used.
- "Warning: Don't use CodedMarkers" – Coded markers cannot be used.