OpenSesame 4 plugin markers

Application Acceptance Test

Accepted: yes

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|  | **Test** | **Result (pass/fail)** |
|  | DeviceType:   * Connect Eva and use the default parameters in markers\_init: * Connect UsbParMarker and use the default parameters in markers\_init. * Default parameters:   + Device tag = marker\_device\_1   + Marker device = ANY   + Device address = ANY   + Device serial number = ANY   + [x] Crash on marker errors   + [ ] Dummy mode   + [x] Generate marker file   + [ ] Flash 255 * Task should run w/o errors and send markers 1-10 * Check if Marker tables tab is created and contains a Summary table and Marker table * Check that the log file contains the following columns:   + markers\_ComPort\_marker\_device\_1   + markers\_Device\_marker\_device\_1   + markers\_Serialno\_marker\_device\_1   + markers\_Version\_marker\_device\_1 * Test at least 10 times | PASS |
|  | CrashOnMarkerErrors:   * Check connection loss error by disconnecting the marker device in the middle of the experiment. Should get error: “Could not send marker, check connection.” | PASS |
|  | GenMarkerFile and Flash255:   * Use following parameters in markers\_init:   + Device tag = marker\_device\_1   + Marker device = ANY   + Device address = ANY   + Device serial number = ANY   + [x] Crash on marker errors   + [ ] Dummy mode   + [x] Generate marker file   + [x] Flash 255 * Check:   + Check that the UsbParMarker flashes all lights twice at the start of the task   + Check the marker file   + Make sure the flash255 pulses are also reported in the marker file | PASS |
|  | Put EVA in passive mode. Task should crash with error: “Cannot use Eva. Eva is in passive mode, make sure Eva is in active mode.” | PASS |
|  | Connect EVA and select UsbParMarker at MarkerDevice in markers\_init.   * Error: “Marker device init error: No device matched the specified device type and/or serial number.” | PASS |
|  | Check the “Reset marker value to zero” checkbox and test the following durations. Uncheck the “Crash on marker errors” checkbox in the init. Check the actual durations and errors in the marker table.   * 5 ms * 1 ms | PASS |
|  | End the task manually (esc). Check that the marker table exists. Then start the task again and check that the marker device is working properly. | PASS |
| 1. R | Run the task without sending markers (only 0) and check the Markers tab. Should say that the marker tables are empty. | PASS |
| 1. T | Check version warnings:  OS3:   * Install OpenSesame 3 and make sure the markers\_os4 plugin and extension are placed in Program Files. * Check that the following warning is given when opening OpenSesame: “The markers\_os4 plugin can only run in OpenSesame 4. Check the markers plugin warning tab for more info (disable one-tab mode).”   OS4:   * Install the ‘old’ **markers** plugin. Make sure they are placed within the OpenSesame 4 environment (e.g. C:\ProgramData\Anaconda3\envs\opensesame4-py310\Lib\site-packages\opensesame\_plugins). * Open OpenSesame 4 and check that the following warning is given: “One or more marker plugins with incompatible version were found. Check the markers plugin warning tab for more info (disable one-tab mode)”. | PASS |