Elisas Strange Case - Processing sketch

By f.Lüscher / fluescher.ch 2023 for Next Level Escape AG.

"AS IS" pi pa po etc.

Run this with processing.org or standalone when compiled on mac/win/linux/raspberry pi.

When not on Raspberry Pi with GPIO pins and 4 connected rotary encoders,
set `GPIO_AVAILABLE` to `false` and `DEBUG` to `true`.

Press number keys `0`-`6` or left/right `arrow keys` to change stages manually.
Press `ESC` or `right mouse button` to leave.

STAGES

Stage#	Action	At end of stage..
0	Blackout	..wait for UDP signal
1	Message "AWAITING INPUT"	..wait for UDP signal
2	Startup sequence of computer	..**auto-jump** to stage **3**
3	Elisas curves, without connected brainalizer on players head	..wait for UDP signal
4	Elisas curves, with connected brainalizer. Adjust with dials to sync brainwaves.	..**auto-jump** to next stage when synched
5	Message "SUCCESS"	..wait for UDP signal
6	Elisas thoughts as sequence in DE & EN	..wait for UDP signal

UDP

Messages to control this script:

- `sync_stage0`, `sync_stage1` etc: Jump to a specific stage (`0`...`6`).
- `sync_skipLoading` can be used to skip the initial loading process if it takes forever. (Stage `3`+`4` will not be as fast at first)

Messages sent by this script:

- `sync_ready` is sent when initially "loaded" stage `3`+`4` (only on startup)
- `sync_success` is sent when both curves where properly aligned by the player
- `sync_end_of_thoughts` is sent after the last thought of elisa
- `sync_died` is sent when program closed or died

Exit application & see desktop

Press `ESC` or `right mouse button`.

Adjustments

If adjustments to the scripts are needed, open the file `~/Applications/sketchbook/synchronotron/synchronotron.pde` with processing.
Or double click the file `processing.sh` on the desktop and click "file > open recent.. > synchronotron".
Press the **play** button on the GUI to preview the changes. `ESC` or `right mouse button` to exit. Save and quit.

Double click the file `startSketch.sh` on the desktop to verify changes.

Double click the file `update.sh` on the desktop to pull latest changes made by f.Lüscher - be sure to deliver an internet connection.

NOTE: If you update, you loose all local changes made by you to `~/Applications/sketchbook/synchronotron/synchronotron.pde`.

LUCKY NUMBERS

Amplitude	**+345**
Frequency	**+307**
Scale	**+12**
De-noise	**+424**