

### **ETT DirectControl (2016 upgrade) Feature List.**

- Currently compatible devices
  - o ETT Olfactometer 2 (6 Channels, incl. Touchscreen control → also works as standalone)
  - o ETT Olfactometer S (6 Channels, no touch)
  - o ETT Olfactometer C (12 Channels, no touch)
  - o ETT Gustatometer 2 (8 Channels, incl. Touchscreen control → also works as standalone)
- Paradigms contain
  - o Switch events of arbitrary time and duration
  - o Switch events can be parallel
  - o Switch events can be triggered (see list of supported triggers)
  - o Visual stimuli (Text, Images, Video possible upon request)
  - o Auditory stimuli (Free control over time point and duration within mp3 file)
  - o EEG Hardware interface support for EGI EEG systems (other manufacturers upon request)
  - o Trial markers for external post-processing suites
  - o Collection of subject response via all typically available modes
- Paradigms are broken up into groups of reusable components, which can be randomized
- List of supported triggers
  - o External TTL
  - o MR compatible Fiber Optic
  - o Respiration
    - Customizable trigger points
  - o Swallow
  - o User response
- Output data
  - o Separate .csv (comma separated values) files for each event type with time point and event specific details
  - o Matlab .m available upon request