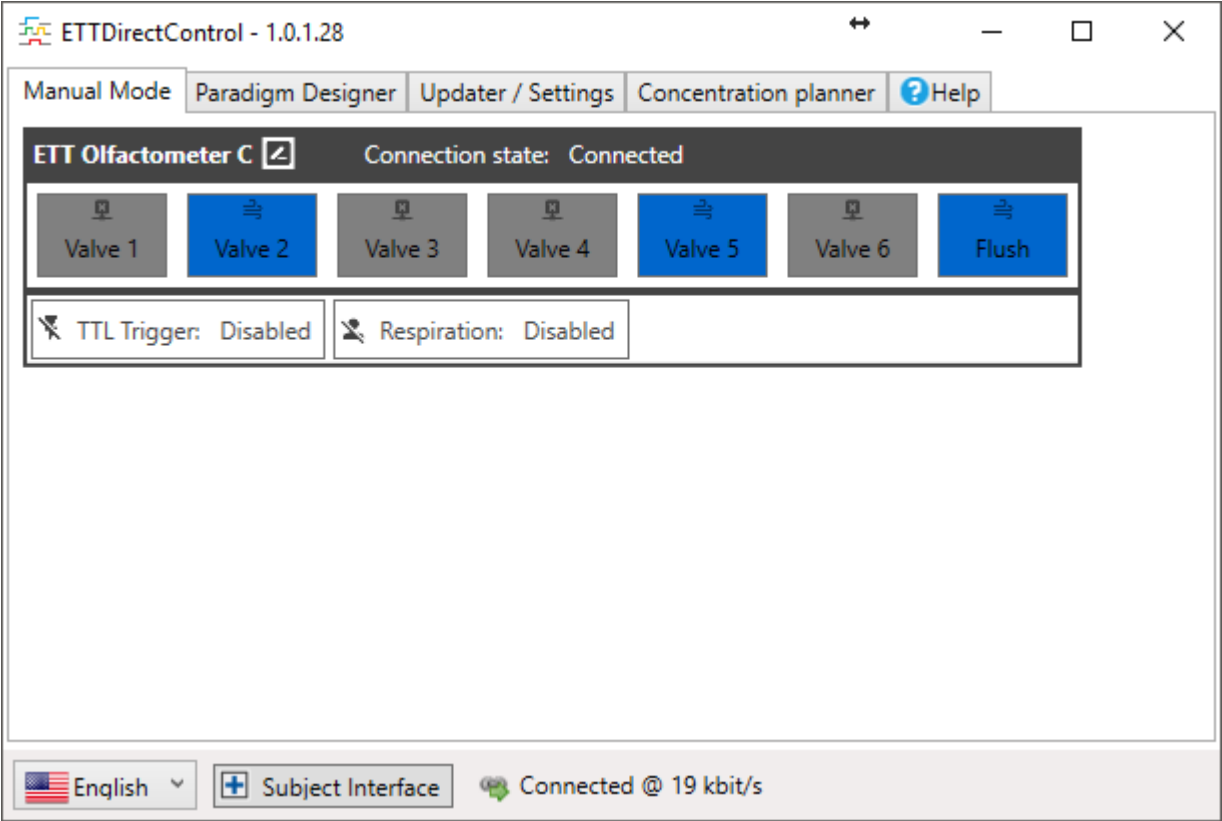


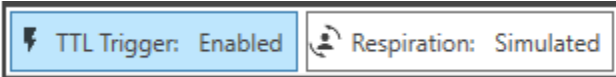
ETT DirectControl visual list of features

Manual mode

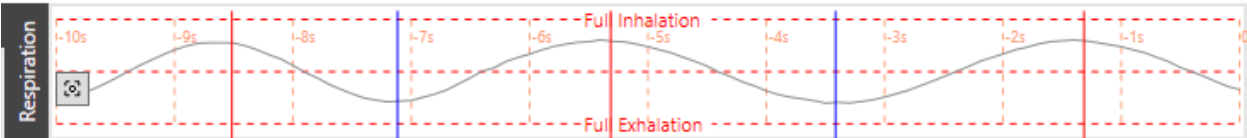
Manual mode to test valve configurations for odorant presentations



Device dependent triggers can be activated

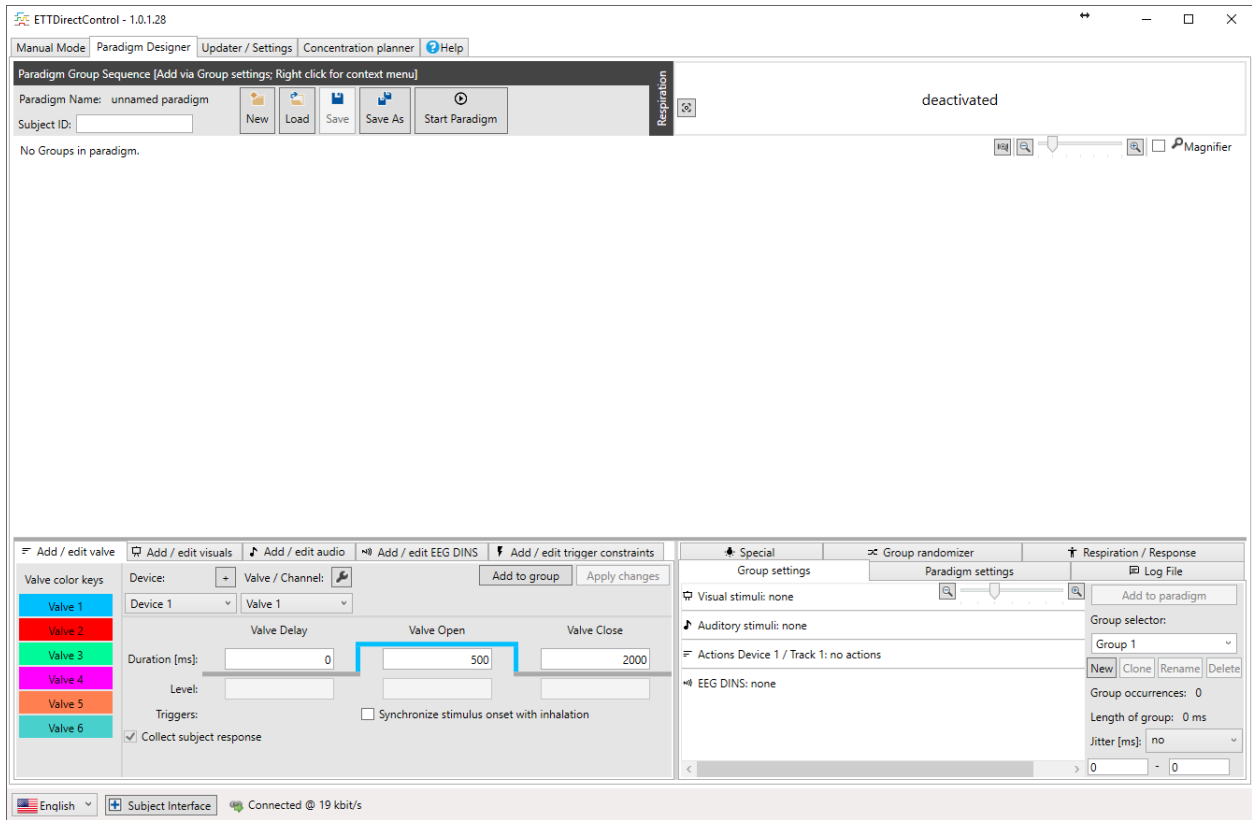


Respiratory trace with inhalation and exhalation trigger onsets

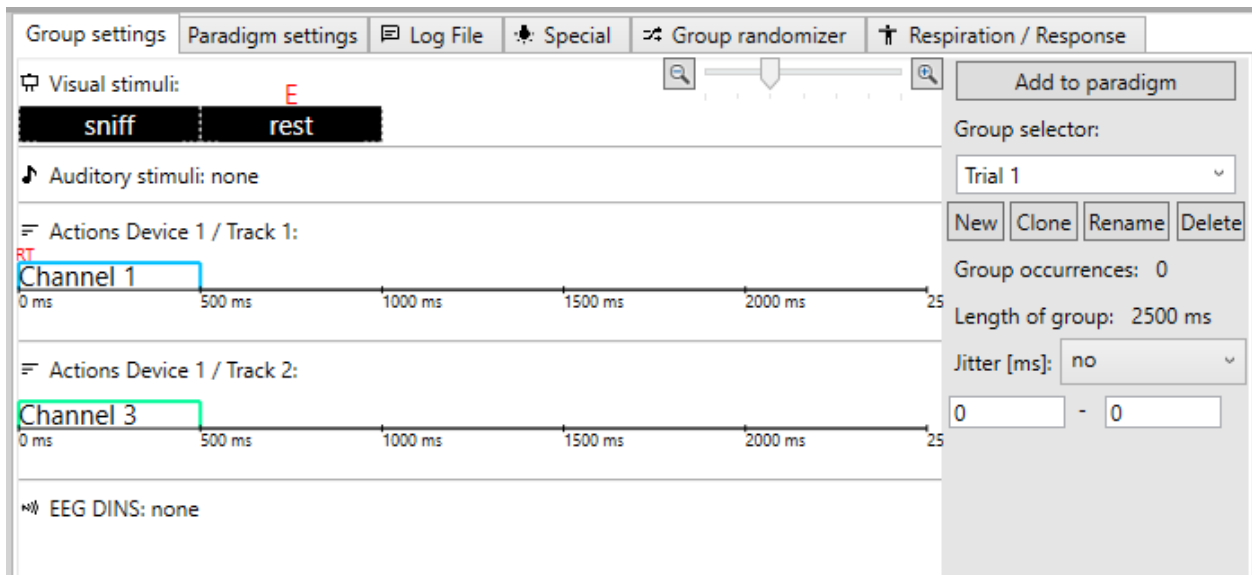


Paradigm designer

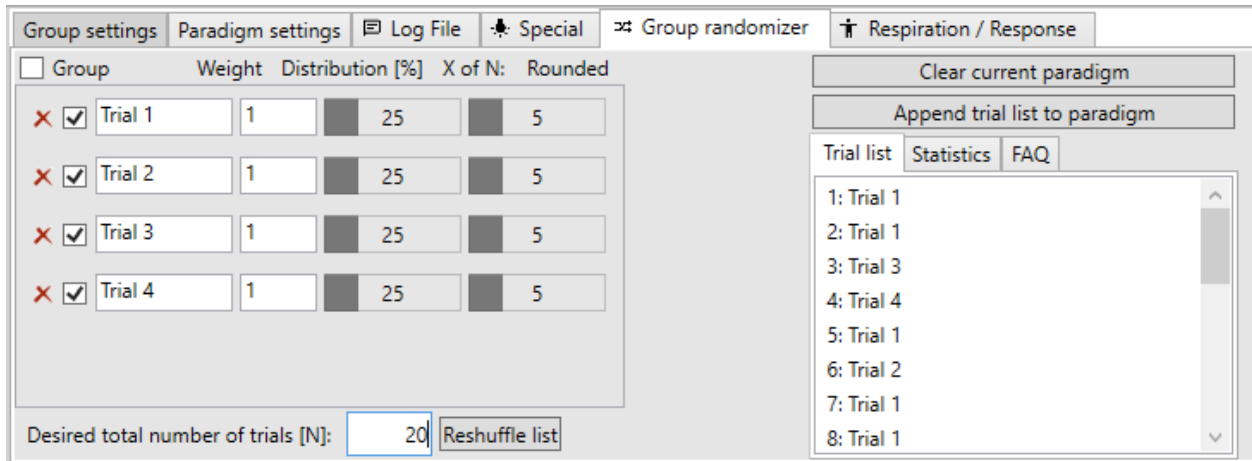
Overview



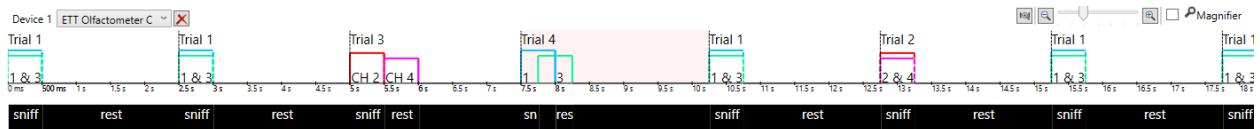
Individually configurable groups/trials (re-usable) – onsets can be tied to trigger conditions (RT=Respiratory trigger) – anything forming a vertical line will be executed parallel automatically



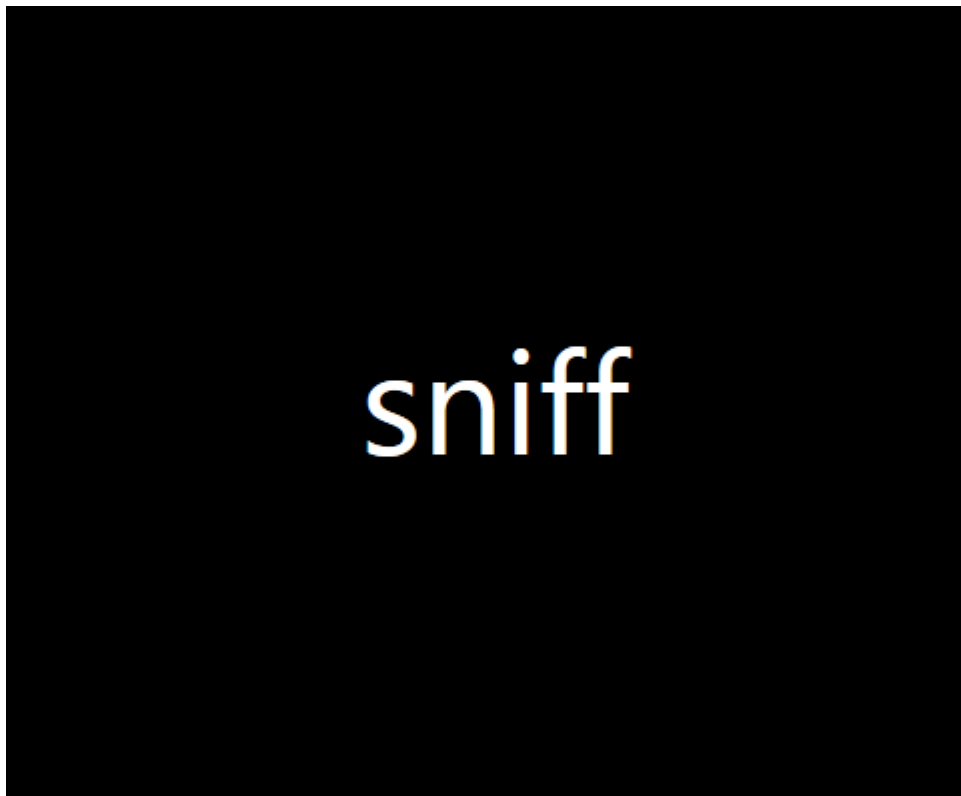
Easy to use randomization



Fast to create paradigms











Optional presentation of visual and auditory stimuli as well as collection of subject response – also runs seamlessly in the background while EPrime or Matlab presents



Easy to use output data files

› Roaming › ETTDirectControl › paradigms › AchemsTrial › output

Name	Date modified	Type	Size
 AchemsTrial,2016_04_21_09_33_42,Respiration,.csv	4/21/2016 9:33 AM	Microsoft Excel C...	2 KB
 AchemsTrial,2016_04_21_09_33_42,SubjectInput,.csv	4/21/2016 9:33 AM	Microsoft Excel C...	1 KB
 AchemsTrial,2016_04_21_09_33_42,TrialMarkers,.csv	4/21/2016 9:33 AM	Microsoft Excel C...	1 KB
 AchemsTrial,2016_04_21_09_33_42,Triggers,.csv	4/21/2016 9:33 AM	Microsoft Excel C...	1 KB
 AchemsTrial,2016_04_21_09_33_42,ValveSwitches,.csv	4/21/2016 9:33 AM	Microsoft Excel C...	1 KB
 AchemsTrial,2016_04_21_09_33_42,VisualQueue,.csv	4/21/2016 9:33 AM	Microsoft Excel C...	1 KB
 AchemsTrial,2016_04_21_20_22_54,Respiration,.csv	4/21/2016 8:29 PM	Microsoft Excel C...	57 KB
 AchemsTrial,2016_04_21_20_22_54,SubjectInput,.csv	4/21/2016 8:29 PM	Microsoft Excel C...	1 KB

Respiratory data (time =0 → paradigm start time)

	A	B	C
1	Time	Raw	Scaled
2	32	464	464
3	132	417	417
4	232	373	373
5	332	332	332
6	432	295	295
7	532	264	264
8	632	239	239
9	732	220	220
10	832	209	209
11	932	206	206
12	1058	209	209
13	1134	220	220
14	1233	239	239
15	1331	264	264
16	1433	295	295
17	1533	332	332
18	1631	373	373
19	1731	417	417
20	1831	464	464
21	1931	511	511
22	2031	561	561
23	2131	612	612

Valve switches (time =0 → paradigm start time)

	A	B
1	Time	List of DeviceID.ValveID
2	0	
3	950	
4	1000	1.3.opening
5	3500	1.3.closing
6	6000	
7	6950	
8	7000	1.1.opening
9	9500	1.1.closing
10	12000	
11		