



Panayiotis KOKORAS

Useless Box
for box operator and electronics

2023



Preview

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Duration 13' minutes

Denton, Texas
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Pandora's Box

♩ = 60

Useless Box

Panayiotis Kokoras

cue # 4 knock

open top close on side off bottom sensor

electronics

piezo

cue # 5 switch on

open top close on side off bottom sensor 00:17

electronics

toggle gyro

cue # 9 tilt

open top close on side off bottom sensor 00:35

electronics

gyro toggle

switch off

cue # 13 tilt

open top close on side off bottom sensor 00:53

electronics

gyro toggle

switch

open lid

Entry of the Gladiators

cue # 17 close lid

open top close on side off bottom sensor 01:12

electronics

toggle

open lid

cue # 21 close lid

open top close on side off bottom sensor 01:26

electronics

toggle

open lid

switch on

cue # 25 close lid

open top close on side off bottom sensor 01:41

electronics

toggle

distance

servo

wave

open lid

move your hand close to the sensor to trigger the automatic lid opening sequence. Move away (>9"), and the lid will close automatically

move hand out of range

O'Malley's Arena Steps

cue # 29 $\frac{5}{4}$ [33-51] $\frac{4}{4}$ [52]

open top close on side off bottom sensor 01:56

electronics

servo wave

Detailed description: This musical score is for 'O'Malley's Arena Steps'. It features a 5/4 time signature for the first section (measures 33-51) and a 4/4 time signature for the second (measures 52-53). The score includes a piano line with notes and rests, and an electronics line with a servo motor signal. A 'wave' annotation is present in the servo line. A large grey arrow points from the top right towards the 'Paw Automata' section.

Paw Automata

cue # 33 $\frac{5}{4}$ [53] move hand out of range $\frac{4}{4}$ [54] switch on $\frac{5}{4}$ $\frac{4}{4}$ [55] switch off

open top close on side off bottom sensor 02:13

electronics toggle

Detailed description: This musical score is for 'Paw Automata'. It starts with a 5/4 time signature (measures 53-54) and then switches to 4/4 (measures 54-55) and back to 5/4 (measure 55). The score includes a piano line and an electronics line with a 'toggle' signal. A large grey arrow points from the top right towards the 'Robot Choreography' section.

Robot Choreography

cue # 37 $\frac{6}{4}$ [56] on $\frac{3}{4}$ [57] off $\frac{4}{4}$ [58] on [59] off [60] on [61] off [62] on [63]

open top close on side off bottom sensor 02:31

electronics

servo motor automatically switches the toggle of

Detailed description: This musical score is for 'Robot Choreography'. It features a 6/4 time signature (measures 56-57), a 3/4 time signature (measure 57), and a 4/4 time signature (measures 58-63). The score includes a piano line and an electronics line with multiple sensor signals. A note indicates that the 'servo motor automatically switches the toggle of' the electronics.

Active Accelerationism

cue # 41 $\frac{5}{4}$ [64] on [65] off [66] on [67] off [68] on [69] off [70] on [71] off [72] [73] [74] on [75] off [76] [77] [78] [79] [80] [81]

open top close on side off bottom sensor 02:48

electronics

servo opens lid

place right fingers on the micro switch

Detailed description: This musical score is for 'Active Accelerationism'. It features a 5/4 time signature (measures 64-73) and a 4/4 time signature (measures 74-81). The score includes a piano line and an electronics line with a 'micro-switch on/off' signal. Annotations include 'servo opens lid' and 'place right fingers on the micro switch'.

Hand pinched Cherries

cue # 45 $\frac{4}{4}$ [82] [83-94] [95-100] L & R hand index fingernail tapping [101-123] $\frac{3}{8}$ [124] use pinky and ring finger to keep the lid open

open top close on side off bottom sensor 03:08

electronics

micro-switch on micro-switch off piezo toggle

press and hold the micro switch with the right hand fingers

servo repeatedly closes the lid on the fingers

hand off the micro switch

Detailed description: This musical score is for 'Hand pinched Cherries'. It features a 4/4 time signature (measures 82-124) and a 3/8 time signature (measures 124-125). The score includes a piano line and an electronics line with 'micro-switch on/off' and 'piezo' signals. Annotations include 'press and hold the micro switch with the right hand fingers', 'servo repeatedly closes the lid on the fingers', 'hand off the micro switch', and 'use pinky and ring finger to keep the lid open'.

Schrodinger's cat

cue # 49 $\frac{3}{4}$ [125] off $\frac{6}{4}$ [126-165] $\frac{7}{8}$ [166] servo opens lid [167] servo closes lid $\frac{4}{4}$ [168-185] [186]

open top close on side off bottom sensor 03:21

electronics

toggle micro-switch on micro-switch off

Detailed description: This musical score is for 'Schrodinger's cat'. It features a 3/4 time signature (measures 125-126), a 6/4 time signature (measures 126-165), a 7/8 time signature (measures 166-167), and a 4/4 time signature (measures 168-185). The score includes a piano line and an electronics line with 'toggle' and 'micro-switch on/off' signals. Annotations include 'servo opens lid' and 'servo closes lid'.

Neil Scratch

cue # 53 [187-225] [226-265] $\frac{7}{8}$ [266-273] fermatas only in interactive version [274] neil scratch [275] [276-283] [284] neil scratch [285]

open top close on side off bottom sensor 03:38

electronics

micro-switch on micro-switch off piezo

Detailed description: This musical score is for 'Neil Scratch'. It features a 7/8 time signature (measures 266-273) and an 8/8 time signature (measures 274-285). The score includes a piano line and an electronics line with 'micro-switch on/off' and 'piezo' signals. Annotations include 'fermatas only in interactive version' and 'neil scratch'.

L & R hand index fingernail tapping

cue # 57

open top close on side off bottom sensor 03:54

286-301 tap

302-331 switch on/off

332 neil scratch

333 neil scratch

334 neil scratch thumb hit

335 neil scratch thumb hit

336 neil scratch thumb hit

337 neil scratch thumb hit

the piezo microphone analyses the scratches & taps and plays back similar sounds

piezo on off

scratch and tap for 1 min for about 1 min and till 15 on/off counts are complete [332-361]

cue # 61

open top close on side off bottom sensor 04:10

338

339

340

341

342

343

on off on off on off

electronics

Potion Illusions

cue # 65

open top close on side off bottom sensor 04:26

344-359

360

[361] 333

334

335

336 thumb hit neil scratch

337

338 wave

wave in close proximity to the sensor to trigger the cue

far close

distance

cue 361 [off] resets to cue 333 and waits for scratch gesture 334

cue # 69

open top close on side off bottom sensor 04:45

339

340

341

342 wave, from out of range to close

343

344

345

far close

electronics

cue # 73

open top close on side off bottom sensor 05:02

346

347

far close

cue # 77

open top close on side off bottom sensor 05:18

Rock N Roll Vape

cue # 81

open top close on side off bottom sensor 05:34

348 cross-tilting sway

hold the box and lift one side, then down

349

350 cross-tilting sway

gyro

Rocket Magic

cue # 113 4 432 433 434 wave 435 436 437 438-41 442-4 445 446-7 448 449 450-1

open top close on side off bottom sensor

08:04

electronics

cue # 117 452 453 454-7 458 459 460 461-3 464-5

open top close on side off bottom sensor

08:24

electronics

cue # 121 466 467 468 469 470 471 5 472 473 4 474 475 476

open top close on side off bottom sensor

08:41

electronics

cue # 125 477 3 478 (tap on top of the lid) 4 479

open top close on side off bottom sensor

08:58

electronics

Circus Butterfly Effect

cue # 129

09:13

cue # 133 open lid 480 close lid 481

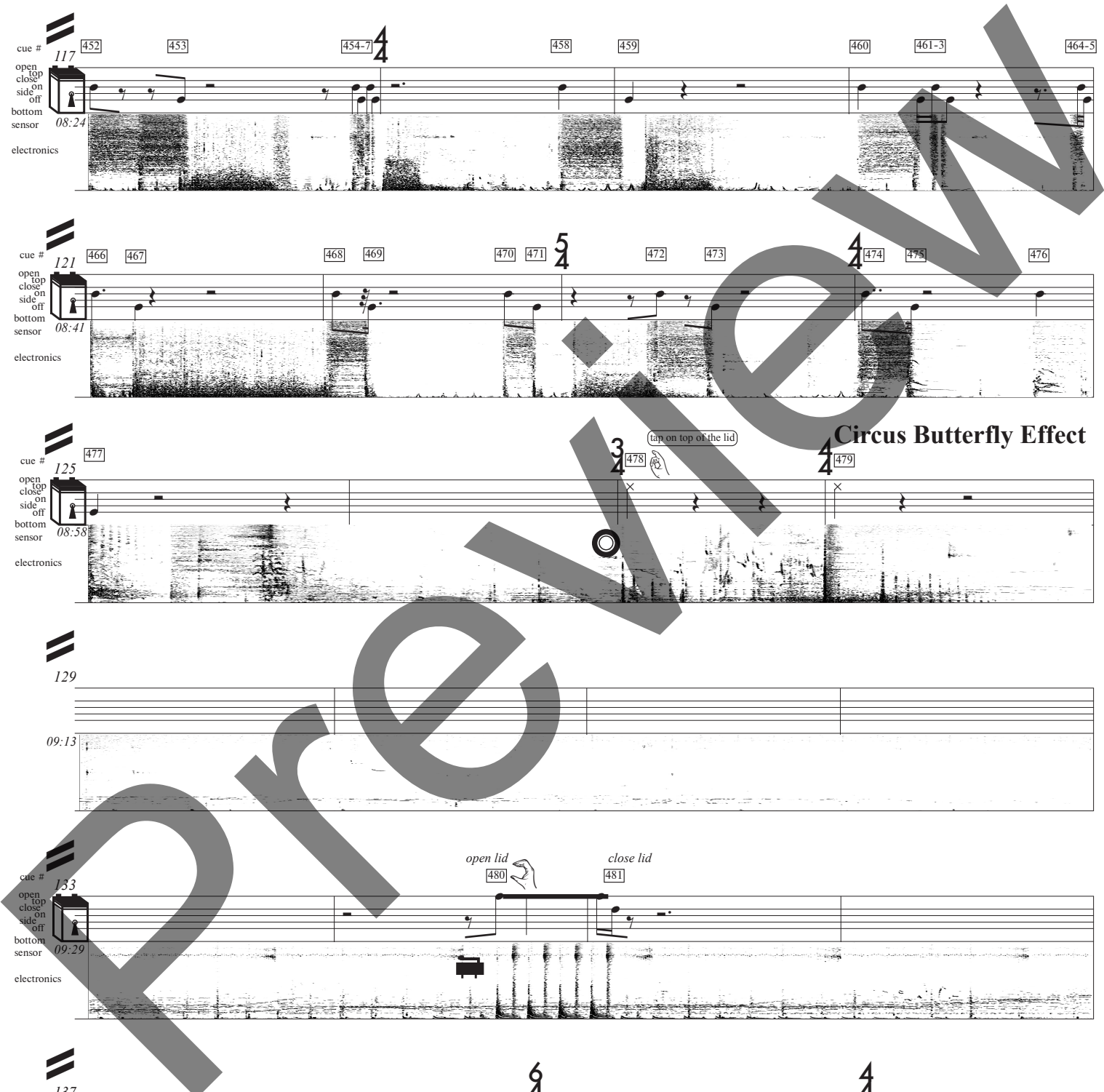
open top close on side off bottom sensor

09:29

electronics

cue # 137 6 4 4

09:45



cue # 141

open top close on side off bottom sensor 10:03

electronics

6

4 482 switch on

cue # 145

open top close on side off bottom sensor 10:21

electronics

3 483 hold the lid open

6 484 485 486 487 488

4 489 close lid

shake gyro switch

cue # 149

open top close on side off bottom sensor 10:38

electronics

6 490 servo

servo opens and closes the lid

5 491

4 492 toggle

on off

Preview

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