LES GUITARES VOLANTES

SPATIAL SOUND INSTALLATION
Technical sheet

FOR

AUDIO ART 2018
LES GUITARES VOLANTES

Krakow spatial mix config. with live dynamic routing
28 x 12 + 4 aux

12 independent output channels from the Mackie TT24:
01 bus 1 XLR
02 bus 2 XLR
03 bus 3 XLR
04 bus 4 XLR
05 bus 5 XLR
06 bus 6 XLR
07 bus 7 XLR
08 bus 8 XLR
09 auxiliary 7 jack 6.35
10 auxiliary 8 jack 6.35
11 auxiliary 9 jack 6.35
12 auxiliary 10 jack 6.35

4 of 8 line TT24 input channels:
Mathius Shadow-Sky
Laurent Avizou
Stéphane Barascud
Stéphane Marcailou

24 mic/line TT24 input channels:
PC laptop Windows XP USB2
Orfeusz 206 A 1x6

PC laptop Windows XP USB2
Orfeusz 206 B 1x6

PC laptop Windows XP USB2
Orfeusz 206 C 1x6

PC laptop Windows XP USB2
Orfeusz 206 D 1x6

4 x 4 SUBMIX ROUTING MATRIX

auxiliaries send 1 to 4:

1 to 6
7 to 12
13 to 18
19 to 24

24x12 output Routing Matrix Connections for instant changing the 4 hexaphonic paths.

a. 4 musicians in one path 
   b. 3 musicians in one path + 1 musician in one path
   c. 2 musicians in one path + 2 in one path or 1 in one + 1 in one path
   d. 1 in one + 1 in one + 1 in one + 1 in one = 4 independent paths

IMPORTANT: auxiliaries send submix locate in which path a musician of 4 is.
Routin in digital mixing console 24x12

336 points de jonctions pour router de 4 à 8 signaux audio
= de 4 à 8 musiciens d'instruments électriques jouant ensemble

SCENE #: Knowing there is in general 99 available scenes in a digital mixing console

4 independant spatialisers give a polytrajectoryphony at 4 spatial paths and 08 independant voices in trajectories at the same time
5 independant spatialisers give a polytrajectoryphony at 5 spatial paths and 10 independant voices in trajectories at the same time
6 independant spatialisers give a polytrajectoryphony at 6 spatial paths and 12 independant voices in trajectories at the same time
7 independant spatialisers give a polytrajectoryphony at 7 spatial paths and 14 independant voices in trajectories at the same time

Legend:
- 12 LOUDSPEAKERS DEVICE FOR INDOOR CONCERT PLACE
- 12 LOUDSPEAKERS DEVICE FOR OUTDOOR CONCERT PLACE
THE TRIUMPHANT BEAST
by LES GUITARES VOLANTES
(Krakow Audio Art 2018 space program)

The shape of the space for dynamic trajectories is made with 6 verticalities, made with 2 loudspeakers, one on the ceiling the other on the floor facing, 6 time, that, shaping a pentagone with a centre in the middle (see up Les Guitares Volantes Krakow spatial schematic).

The pentagonal topophony in these 2x6 verticalities has to be considered as:
. 6 verticalities: 1-5, 2-6, 3-7, 10-9, 11-12, 4-8
. 7 different peripheral flat space (2D):
  1 in the SKY: 1-2-3-11-4,
  1 on the GROUND: 5-6-7-12-8, and
  5 vertical quadruphones (= walls, screens):
    1-2-6-5, 2-6-7-3, 3-7-12-11, 11-12-8-4, 4-8-1-5
. 10 diagonal 1D (path) across the volume: up <-> down
  1<->7, 1<->12, 2<->8, 2<->12. 3<->5, 3<->8. 11<->6, 11<->5. 4<->6, 4<->7.
. 20 2D (quadra surface) diagonal,
  1. 10 vertical:
     1-3-7-5, 1-11-12-5. 2-11-12-6, 2-4-8-6. 3-4-8-7, 3-1-5-7. 11-2-6-12, 11-1-5-12. 4-2-6-8, 4-3-7-8.
  2. 10 horizontal (slides):
     1-2-12-8, 1-2-12-7. 2-3-12-8, 2-3-5-8. 3-11-6-5, 3-11-8-5. 11-4-7-6, 11-4-6-5. 4-1-6-7, 4-1-7-12.

PHASE 1    ALPHA BEAST       [L'ALPHA BÊTE]
. music: series of LLL syllables, each separated with a silence / suite de syllabes LLL entre silences from LLL: 4 voices symbols from the Language of the Lines
. musicians trajectory control: position fixe (long) mouvement (court) autre position fixe (long), etc.
. engineer paths control: GLIDE IN THE SKY in the 6 up speakers
. engineer trajectories control: starting in the centre up speakers, all musicians being in one path progressively separate in 4 independant paths

PHASE 2    WORLDS            [LES MAUX]
. music: series of LLL words, each separated with a silence from LLL: 4 voices symbols from the Language of the Lines
. musicians trajectory control: position fixe (long) mouvement (court) autre position fixe (long), etc.
. engineer paths control: FALLS FROM THE SKY from the 6 up speakers to the 6 down speakers

PHASE 3    FLUXES            [LES FLUX]
. music: LLL words sequenced in chaotic turbulence of torrents / les mots LLL s'enchaînent dans la turbulence
. musicians trajectory control: fast in all directions / ça valdingue (= sans répétition) vite
. engineer trajectories control: no repetition of one trajectory shape, from each musician: diagonal trajectories only
. engineer paths control: APPROACHING WALLS from the 4 vertical screen-speakers moving slowly to the opposite side

PHASE 4    THE CHASES to unison [LES POURSUITES vers les unissons]
. music: catch the fugitive in unison / attraper le fugitif dans l'unisson qui une fois chopé stationne pour tenir
PHASE 5  FLUX DANCE  [DANSE DES FLUX]

.music: les mesures répétées qui ensemble se différencient / strong beat feeling with constantly changing rhythm
  musicians trajectory control: ça valdingue en 4 rythmes répétés qui changent de chemins / 4 rhythmical trajectories (4 rhythms controlled by 4 MIDI sequencer, one per spatialisator) (up accelerando down ralantendo up and back)
  engineer paths control: THE SWINGS come and go in a different path for each swing
  engineer trajectories control: 2 musicians per 1 path progressively are separated in 2 independent paths

PHASE 6  UNI FORM UNI SON  [UNI FORME UNI SON]

.music: unisson insistant au point de se demander à quoi ça sert / insisting unison that makes asking for what to do that
  musicians trajectory control: slow motion progressively in fixed position
  engineer paths control: every musicians from his independent path is progressively being absorbed in ONE PATH FOR ALL to the CENTRE of the space
  engineer trajectories control: 4 musicians in 4 independent paths progressively become in 1 path

PHASE 7  THE ALPHA BEAST WORLDS bis  [L'ALPHA BÊTE DES MAUX bis]

.music: ≈ PHASE 1 suite de syllabes LLL entre silences / series of LLL syllables, each separated with a silence
  musicians trajectory control: positions fixes (courtes) et changement mouvement (long) de positions fixes, etc.
  engineer paths control: GLIDE ON THE GROUND in the 6 down speakers

Mathius Shadow-Sky
Toulouse, October 27, 2018