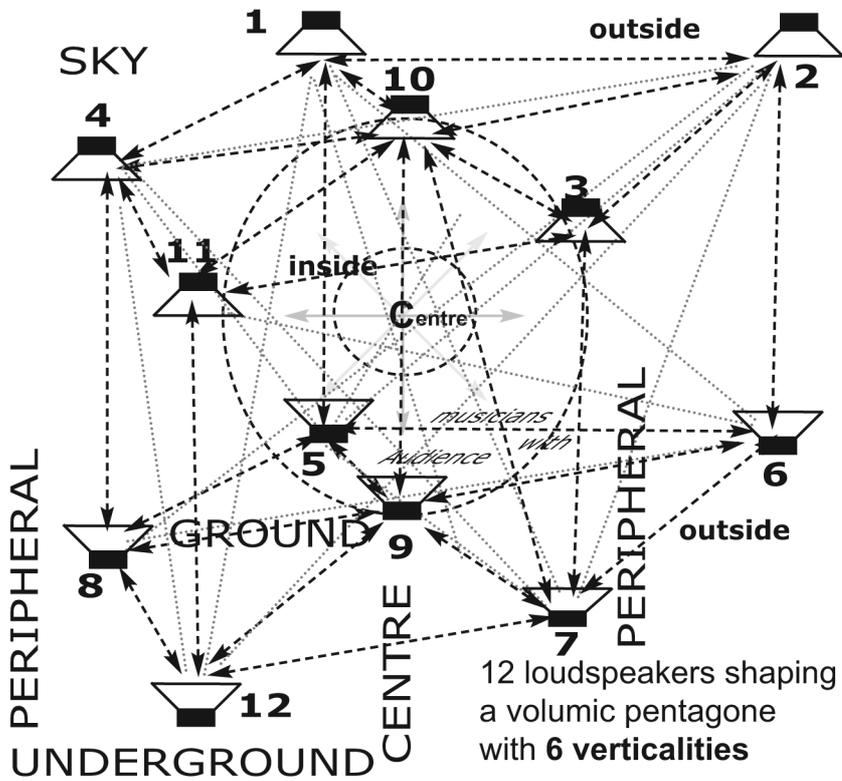


LES GUITARES VOLANTES

SPATIAL SOUND INSTALLATION
Technical sheet

FOR

AUDIO ART 2018



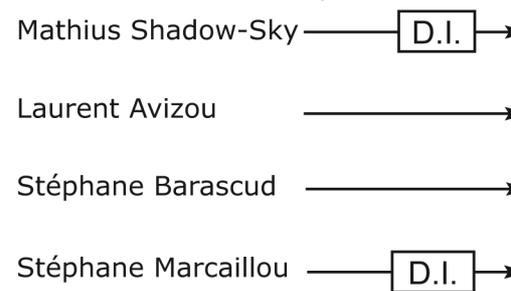
LES GUITARES VOLANTES

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

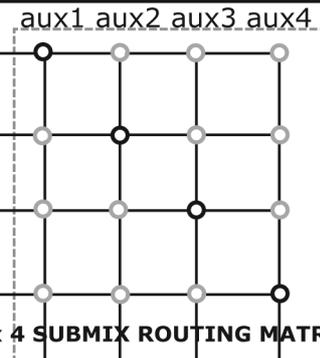
12 independent output channels from the Mackie TT24:

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:



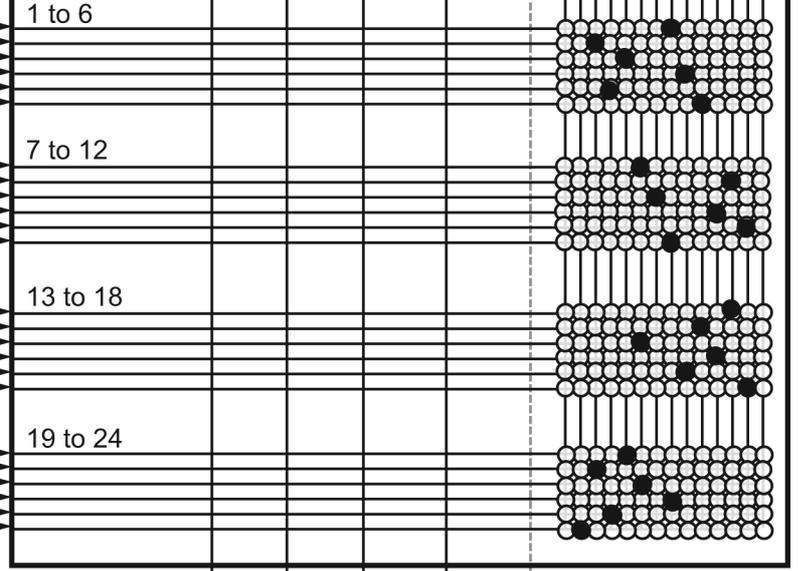
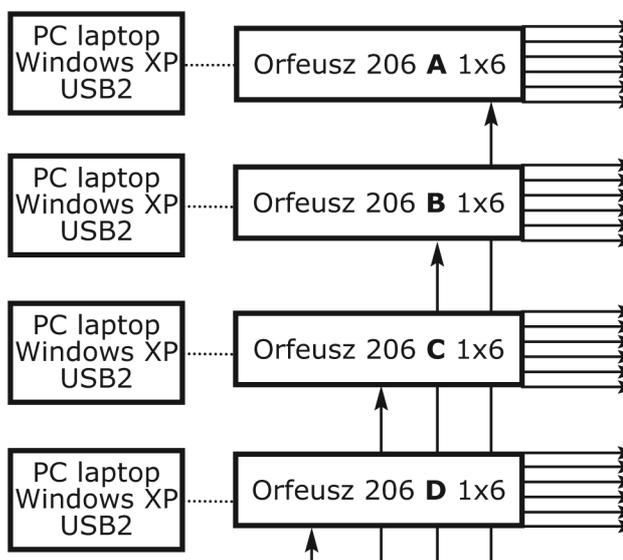
auxiliaries send 1 to 4:



- a. 4 musicians in one path (all in one of the 4 Orfeusz)
- 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

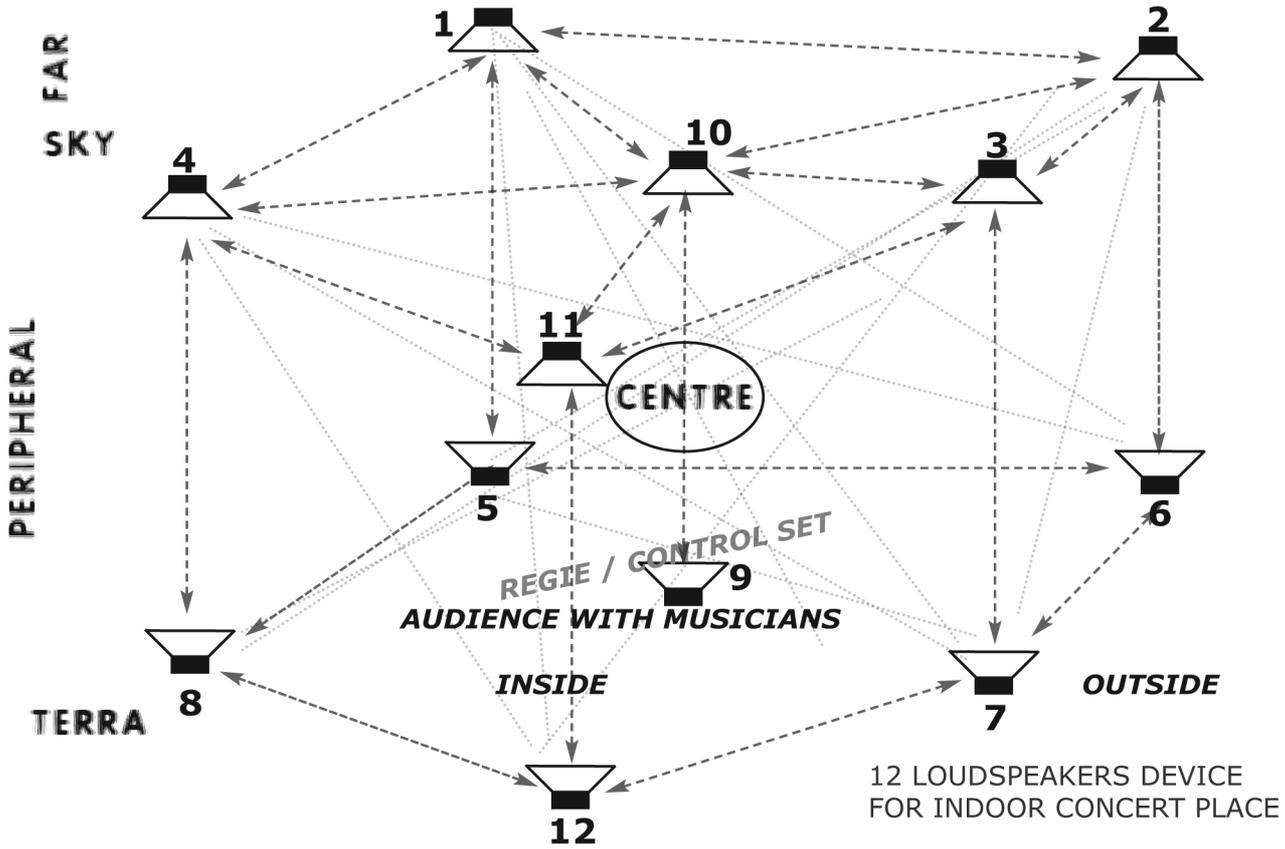
IMPORTANT:
auxiliaries send submix locate in which path a musician of 4 is:

24 mic/line TT24 input channels:



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

ROUTING MATRIX schematic for each SPATIAL PATH SCENE: **1 patch = 1 spatial path**
to operate in digital mixing console



12 LOUDSPEAKERS DEVICE FOR INDOOR CONCERT PLACE

SCENE #: _____

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

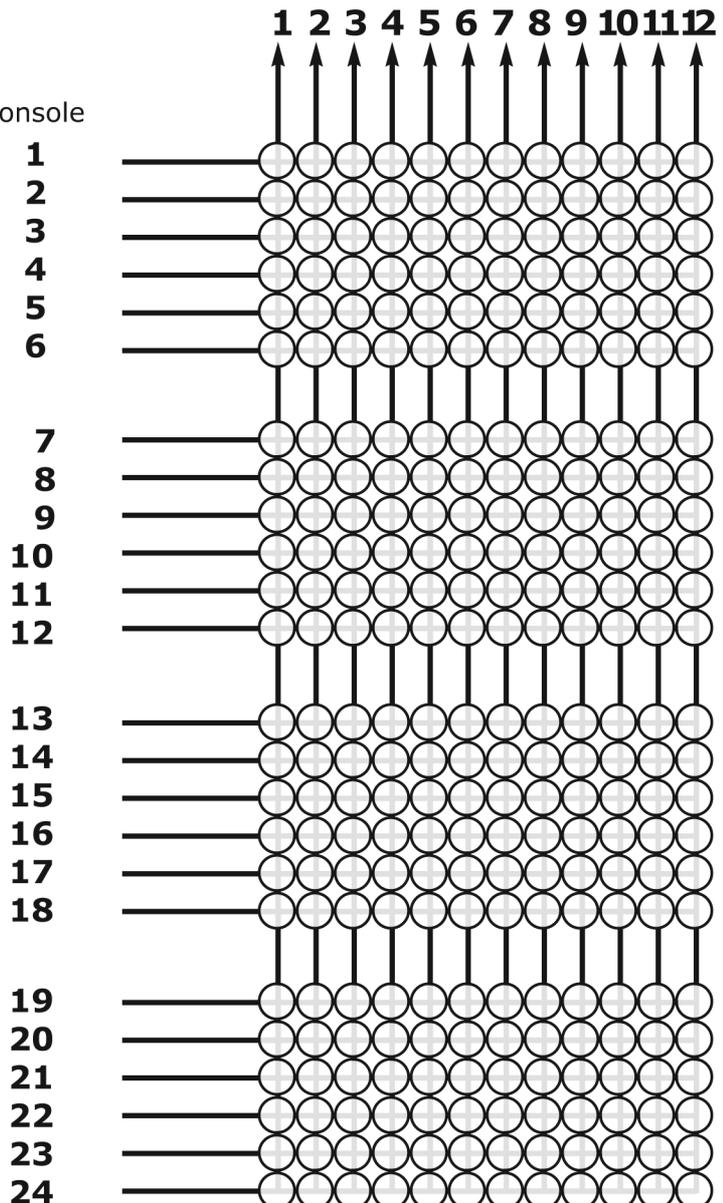
ROUTING IN DIGITAL MIXING CONSOLE 24X12
336 points de jonctions pour router de 4 à 8 signaux audio
= de 4 à 8 musiciens d'instruments électriques jouant ensemble

WAF Orfeusz 206 [2x6] A

WAF Orfeusz 206 [2x6] B

WAF Orfeusz 206 [2x6] C

WAF Orfeusz 206 [2x6] D



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

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 quadraphonies (= 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 choatic 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

- . musicians trajectory control: ralentissement très progressif de la vitesse et les trajectoires se figent à la prise
- . engineer paths control: TAKEOFFS from the ground to the sky obliquely and vertically

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 riantendo 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