

creative investigations on stroboscopic light, binaural beats and interference patterns



PV868 is an experimental creation and performance aimed at producing an audiovisual feed/stimulus which would allow a peculiar effect of moving visual patterns to emerge directly in the brain of the viewer/listener. This stimulus is generated in real-time by a combination of flickering video, in the form of abstract lights and colour gradients, coupled with synced synthetic sounds (binaural beats) diffused in a surround quadraphonic system. These elements are always recombined in different ways by means of ad-hoc created software, controlled by TeZ with a “touch” wi-fi remote device.



The video projection is used in an unconventional way as “intermedium” between the light and the brain. The interferences between the stroboscopic light and the brainwaves, combined with the entrainment of the binaural beats, cause a different vision for each individual viewer. The audiovisual composition is introduced by a spatialized sound in complete darkness to allow the relaxation of the retina and to prepare the audience for an immersive experience. This investigation was inspired by the readings of John Geiger’s “Chapel of Extreme Experience” and W. G. Walter’s “The Living Brain”.

ARTIST brings

- 2 x Apple MacBook Pro laptops
- 1 x MOTU 828 MKIII (or RME FIREFACE 400) firewire audio interface, 1/4” balanced jack outputs
- 1 x iPad with TouchOSC wi-fi remote controller
- 1 x wi-fi router

VENUE provides

AUDIO

- QUADRAPHONIC P.A. = MEYER SOUND (see UPQ series) or d&b audiotechnik (se 8s series) with subwoofer
- Audio Mixer with 4 inputs and for outputs to individual speakers (P.A.) and separate send to subwoofer
- 4 x audio connection CABLES from on-stage mixer to MOTU/RME inputs (1/4” jack balanced)

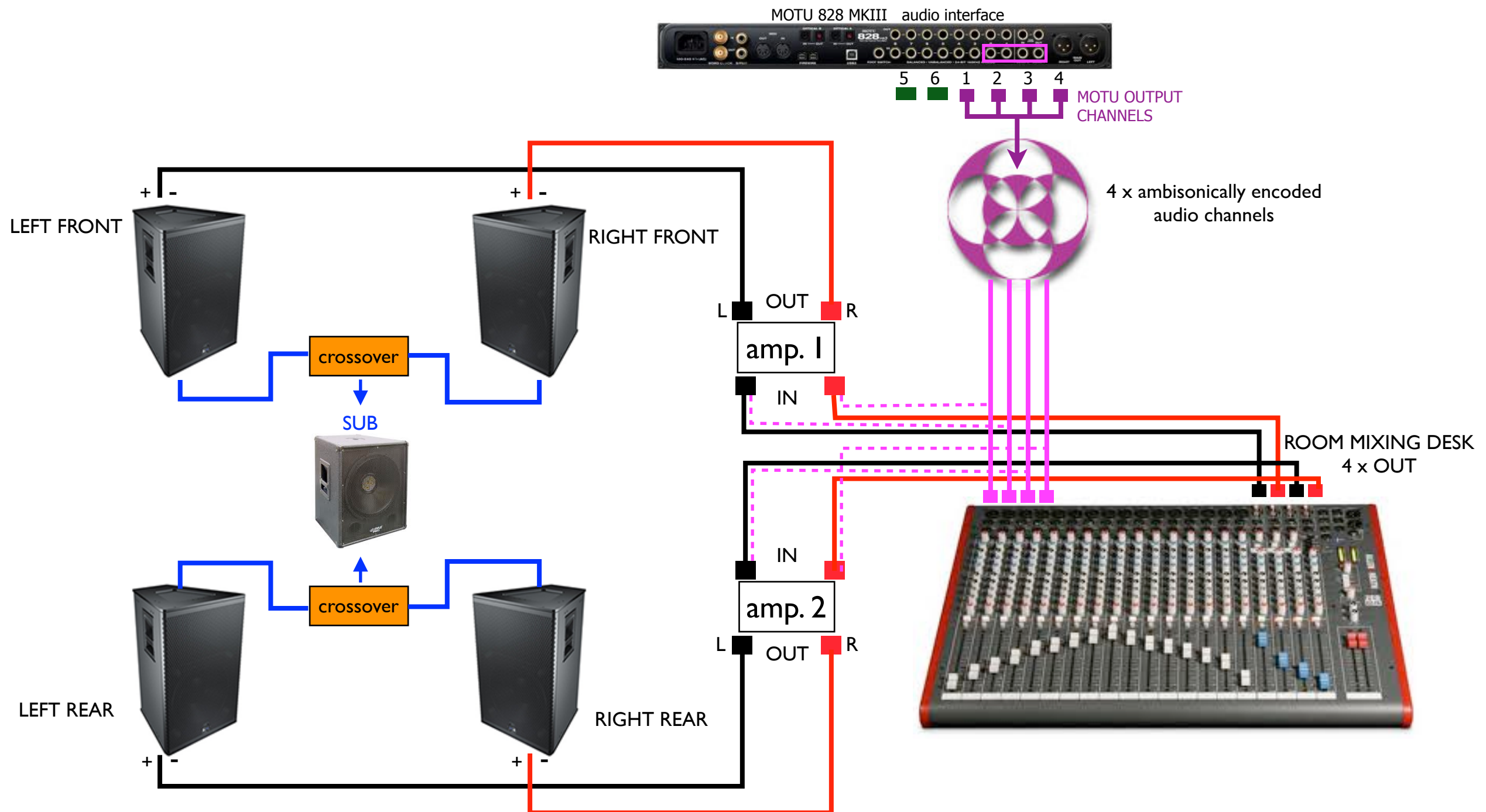
VIDEO

- Video Projector, 5000 ansi lumen, DVI input
- Screen (or flat white surface) 4:3 ratio, as big as possible

STAGE

- TABLE for 2 laptops, midi controller, sound interface
- 1 x power strips, 6 plugs
- 1 x small table light
- 1 x reserved chair/place in the middle of the audience space (*)

NOTE: NO LIGHTS = TOTAL DARKNESS



The ROOM MIXING DESK receives 4 channels from MOTU/RME soundcard, and routes to the 4 speakers of the quadraphonic P.A. Additional outs and AUX can be used for on-stage monitoring and recording purposes. SUBWOOFER(s) will be always addressed with all low frequencies coming from all the sounds of the quadraphonic setup. The CROSSOVER frequency and LEVEL of the subwoofer(s) must be tested and set during the soundcheck.

Optionally, the signals from the soundcard can be sent directly to the amplifiers, or active speakers from the MOTU sound interface (see - - - connections)

Preferred/Reference speakers are **MEYER SOUND** (see UPQ series) or **d&b audiotechnik** (se 8s series).