

Concord

General information:

Title: Concord

Artist: Voldemars Johansons

Year of production: 2010

Medium:

Steel resonators, metal alloy strings, composition software, alternating current

Dimensions:

site-specific installation, variable in size

Project abstract:

Concord is a large-scale musical instrument consisting of several metal strings of various lengths (1 to 7 meters). The sound of installation is created by a network of self-resonating strings arranged in a space. The strain of the strings and the corresponding pitch of sound create a certain musical succession, the total of which is a harmonious chord.

Technical description:

The work consists of several square metal resonators of various lengths (1 - 7 meters) equipped with tuned metal alloy strings that are set in acoustic resonance by passing through an electric current, that causes the strings to glow red as the composition is performed. The sound is created by acoustic resonance without use of loudspeakers. The resonators are supported on solid stands. The installation is variable in size; new arrangement of structure is designed for every space.

Requirements for exhibition space:

Empty space (70 - 150 m²); preferably high ceiling. The space should be the absolutely dark with non-reflective walls floor and ceiling. As the installation creates sound, possible interference with other works should be avoided.

Setup:

The installation set-up is supervised and carried out by the artist and assistant and takes ca. 4 days. As the set-up process is demanding due to weight and precision, an assistance of experienced personnel is necessary to mount the installation. Inexperienced personnel can provide maintenance of the installation.

Shipping: 8 boxes with metal resonators, sizes 1-2,5 meters
Total weight ca. 250 kg

Equipment:

I Sound

4 X stereo amplifiers @ 1400W / channel
Multi-channel Firewire soundcard (Motu, RME)
Behringer ADA8000 Ultragrain Pro-8 AD/DA Converter

II Computer equipment

Mac Mini Computer, LCD computer monitor, keyb, mouse

IV Connections

Audio:

10 X balanced-jack to amplifier input
70 meters of speaker cables from amplifiers (2.5mm diameter)

Electrical:

Power outlets (220V) for 1 computer, 4 amplifiers.

Contacts:

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