

Technical Sheet - MotherTree - Selma Bourdon and Julie Machin

Contact: Selma Bourdon +33663084942 / selmabrd@gmail.com

Julie Machin +33610569010 / juliemachin.9@gmail.com

Type of work : Interactive light and sound installation

Description : MotherTree is an installation that takes place on at least six trees. One of the trees, the oldest, will be equipped with a vocal sound recording device, resin mushroom moldings in the form of a collar, with a microphone and several integrated LEDs. Each of the five other trees are equipped with a weaving of addressable LEDs, a light control board, an amplifier and a loudspeaker. Everything is connected by wires (sound) and wifi (light). The device is controlled by a computer placed in a box in the center of the installation.

Interactivity : The interactive system is played by a realtime software: the microphone allows the program to record the voices then diffuses them on one of the five speakers. The choices are made algorithmically. The light follows the variations of the sound of the voices.

Desired space (L x W x H): - Wood, park, forest / maximum distance 8 meters between each tree, 80m² minimum. The space must be free of all objects and the circulation in the dark made easy. Possibility of digging small trenches or passing cables in the trees.

Scenography/site: - A solid cube has to be provided by the venue to hide the computer (1mx1m minimum)

Operating constraints : Quiet space as much as possible. The installation can operate during the day but is designed to work by night.

Sound :
- 5 loudspeakers and 3 amplifiers integrated into the lighting device.
- Please provide audio cables if possible.

Light : No additional light source in the space of the installation (pay attention to service or city lighting, they must be off), it will however be necessary to illuminate the circulations towards to the installation.

Electricity : - Electrical power required: 220V 16A
- Please provide the electrical distribution.

Staff/timing : - Artists have to be present for set-up and take-down.
- 1 technician required for set up and dismantling
- 1 day of set up / ½ day of dismantling

Transport : Total weight of equipment provided: <100kg, 3 wheeled suitcases

To be provided by the venue			
Designation	Qty	Characteristics	Location in the installation and specificity of set up
Electric line	1	220V 16A	Buried up to the control room of the installation (see with the artists in situ)
Power distributio,	1	4 sockets minimum	Control room
Power cables + multi	5	4 sockets minimum, 10m	Control room
sound cables	5	balanced mono jack 6.35 10m	Buried up to the control room of the installation (see with the artists in situ)
We provide			
Resources Types	Qty	Characteristics	Location in the installation and specific
Oyster mushroom collar	1	12 bioresin mushrooms with integrated LEDs Only n°9 is equipped with a microphone	On the mothertree
extension jack f/m	1	10M	from the mothertree to the local Control room
Lichen collar	5	leds woven on a grid with light covers.	On 5 different trees
LED cards	3	+ cables: electrical, networks,	On 3 trees (see with the artists in situ)
led	1		Control room
sound amplifier cards	4		On 4 trees (see with the artists in situ)
sound card	1		Control room
computer	1		Control room
sound adapter	4	adapter 2 mono to 1 stereo	On 4 trees (see with the artists in situ)
network cables	6	10M	See with the artists in situ

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