

# **Traces III by Martin Matalon for French Horn and Electronics**

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## REAL TIME VERSION

### Equipment

#### Computer Equipment:

- 1 Apple MacBook Pro, 2GB RAM, CPU 2.33 GHz Intel Core 2 Duo

#### Software:

- OSX 10.4
- MaxMSP 4.6

#### Audio Equipment:

- 1 Microphone for amplification and recording of French Horn.
- Audio Interface 8 in 8 out (preferably ADAT)
- Sound Board 8 in (computer), mic inputs, 8 out (6.2 to P/A) + 1 out to computer (mix of French Horn)

#### Midi:

Mixer (ex. BCF 2000 - Behringer) 8 channels to control the output volume of different groups of treatments

#### P/A:

- 6 speakers (DAC number 1-6) placed around the audience. 2 Subbass units

#### other

- sustain pedal (trigger) (0/1) type piano MIDI.

## VERSION TEMPS DIFFÉRÉ

#### Computer Equipment:

- 1 Apple MacBook Pro, 1.5GB RAM, CPU 2.33 GHz or more - Intel Core 2 Duo

#### Software:

- OSX 10.4
- DP5 or Protools or Logic or other Sequencer

#### Audio Equipment:

- 2 Microphones for amplification of French Horn. (shure SM57 for pavillon and Neumann KM184 for mouth)
- Audio Interface 8 in 8 out (preferably ADAT)
- Sound Board 8 in (computer), mic inputs, 8 out (6.2 to P/A) + 1 out to computer (mix of French Horn)

- reverb - Lexicon or TC electronic or equivalent

**P/A:**

6 speakers placed around the audience. 2 Subbass units

Channel 1 ---> front Left

Channel 3 ---> middle Left

Channel 5 ---> rear. Left

Channel 2 ---> front right

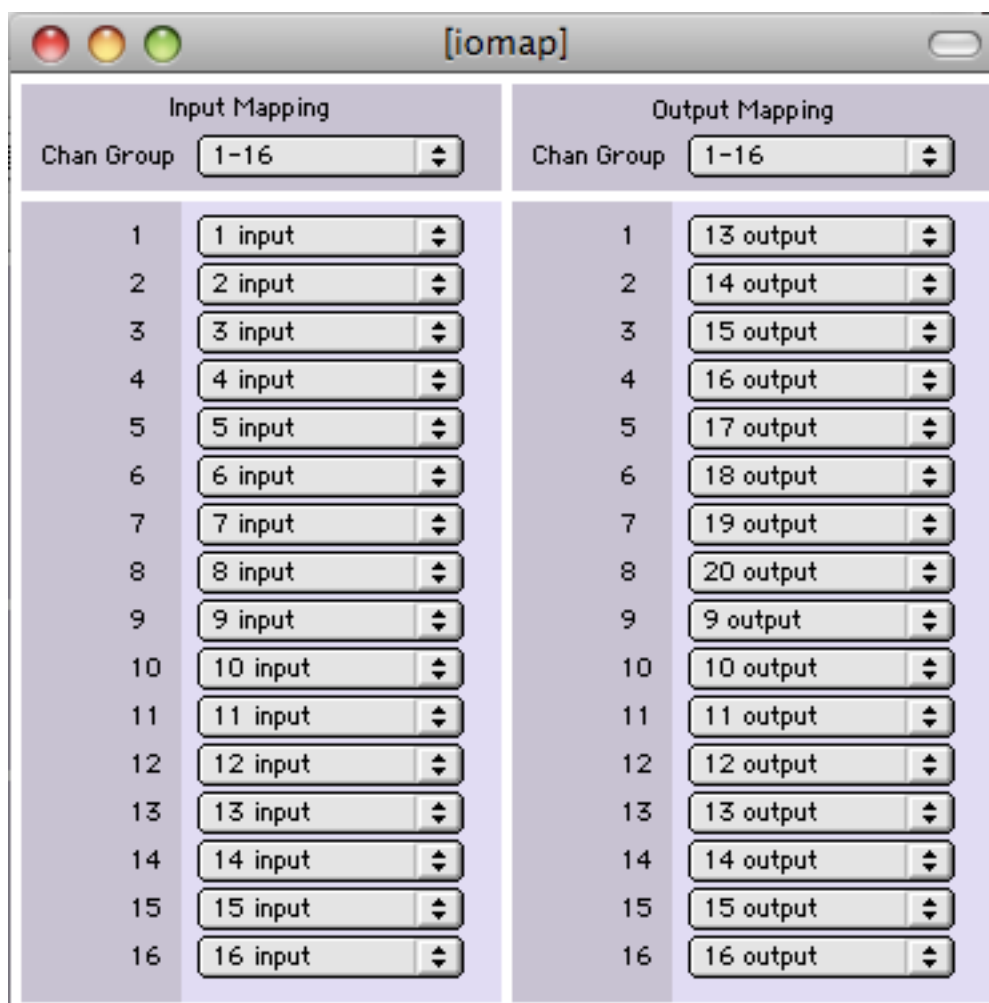
Channel 4 ---> middle right

Channel 6 ---> rear right

## Installation

on the Macbook

- copy the folder called TracesIII to your hard drive.
- launch MaxMSP
- in the options menu, click on file preferences. Then add the folder TracesIII to your searchpaths
- quit MaxMSP
- launch the files called TracesIII-events.pat and TracesIII-patchConcert.pat in this order.
- in the options menu, click on DSP Status, then click on I/O Mappings. The electronics are on DAC 1-8. If this doesn't suit your setup you can change the output mapping here.



*Input and output mapping for MaxMSP*

## Performance

Follow the 7 steps documented in the main patch:

The screenshot shows a Pure Data patch window titled "- New Ircam - de Martin Matalon, 2004-5 pour cor et dispositif temps-réel". The window displays various sub-patches and controls. The "tests divers" sub-patch is active, showing a circular MIDI controller layout with 8 numbered outlets. The "midi" sub-patch is also visible, featuring a purple "sp" button, a "let's go." button, and a "mesure" button. The "Active pedale" checkbox is checked. The "audio" sub-patch shows "audio\_config" and "mtrx" controls. The "MonitorMidi" sub-patch shows "on/off", "Auto", "Offset", "temps", "auto-gate", "Reque", and "Proch." controls. The "midi" sub-patch shows "OMS device" and "pédale reçue" controls. The "tests" sub-patch shows "enable display" and "cliquer" controls. The "events" sub-patch shows "cliquer" controls. The "Vol" sub-patch shows a volume knob. The "p meters" sub-patch shows a meter. The "next" and "prev" buttons are also visible. The window title bar includes "CPU max: 0", "Sign. used: 0", "Fonc. call: 0", "Samp rate: 44100", "Vect. size: 256", and "CPU Utilizati".

*main patch. step 6: just click on "Active pedale" and make sure "mesure\_1" is selected in the menu*