

## **Live Electronics**

### Equipment List

- Computer (eventually with MAX/MSP)
- Audio Interface with 5 inputs and 4 outputs (minimum required) \*
- MIDI Controller (Evolution UC-33) – not obligatory (it can be provided by the composer)
- Mixing board with (minimum) 9 inputs and 4 outputs \*
- 4 Channel Speaker System \*
- Compressor
- Reverb

The application (software) will be provided by the composer.

\* A stereo version (only two outputs) is also possible, if the 4 outputs system is not available.

### About the microphones

For the percussion instruments should be enough to use three microphones: one covering the Marimba the Cymbals and the Temple Blocks, another microphone for the Gong1 (suspended) and the third possible to use more microphones for a better signal capturing.

### MAX / MSP Performance

To run this patch with MAX/MSP it was used a Power Macintosh G4/1,4GHz/896MB, with the Audio MIDI controller Evolution UC-33. The processor used about 40% of its capacity.

### About the Notation of Live Electronics

**GATE-W** Gate-Window

**WIN** Windowing

(GW) Use the TIME information saved by the Gate-Window patch

(T. 4) Use the TIME information contained in a Text file (number 4)

**PLAY B** Play Buffer

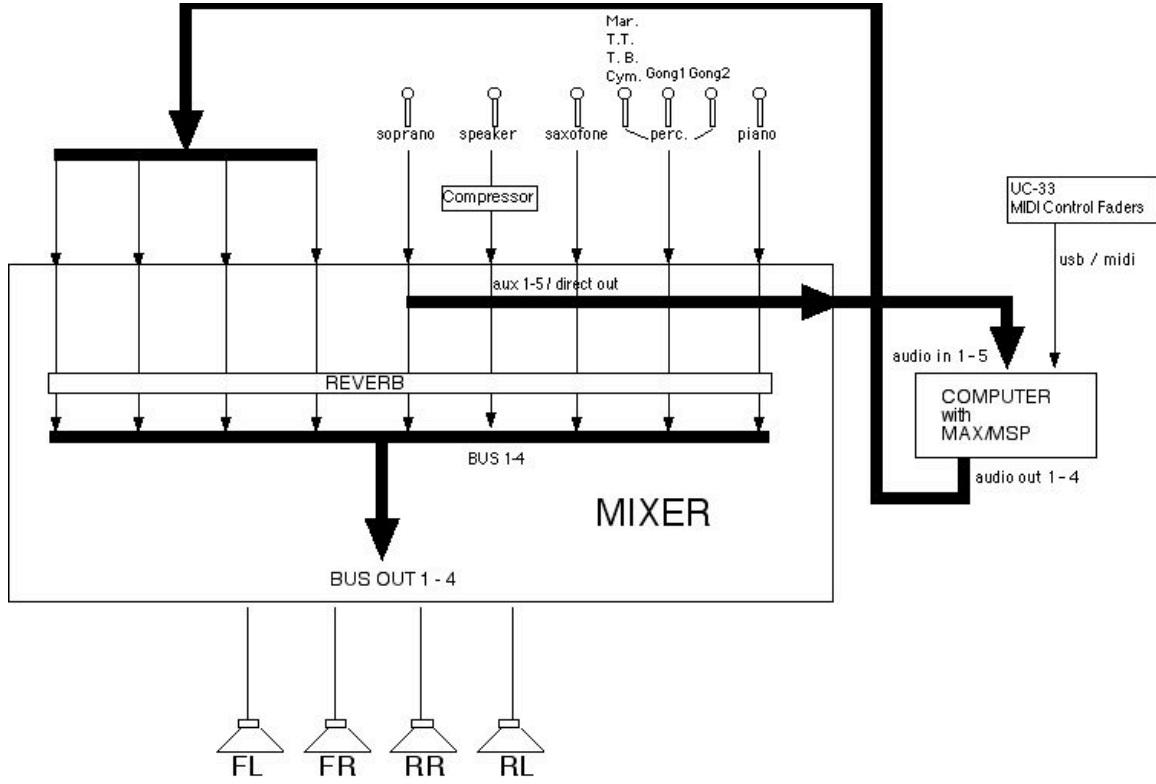
**DELAY** Delay

(Dir) Delay the Direct signal

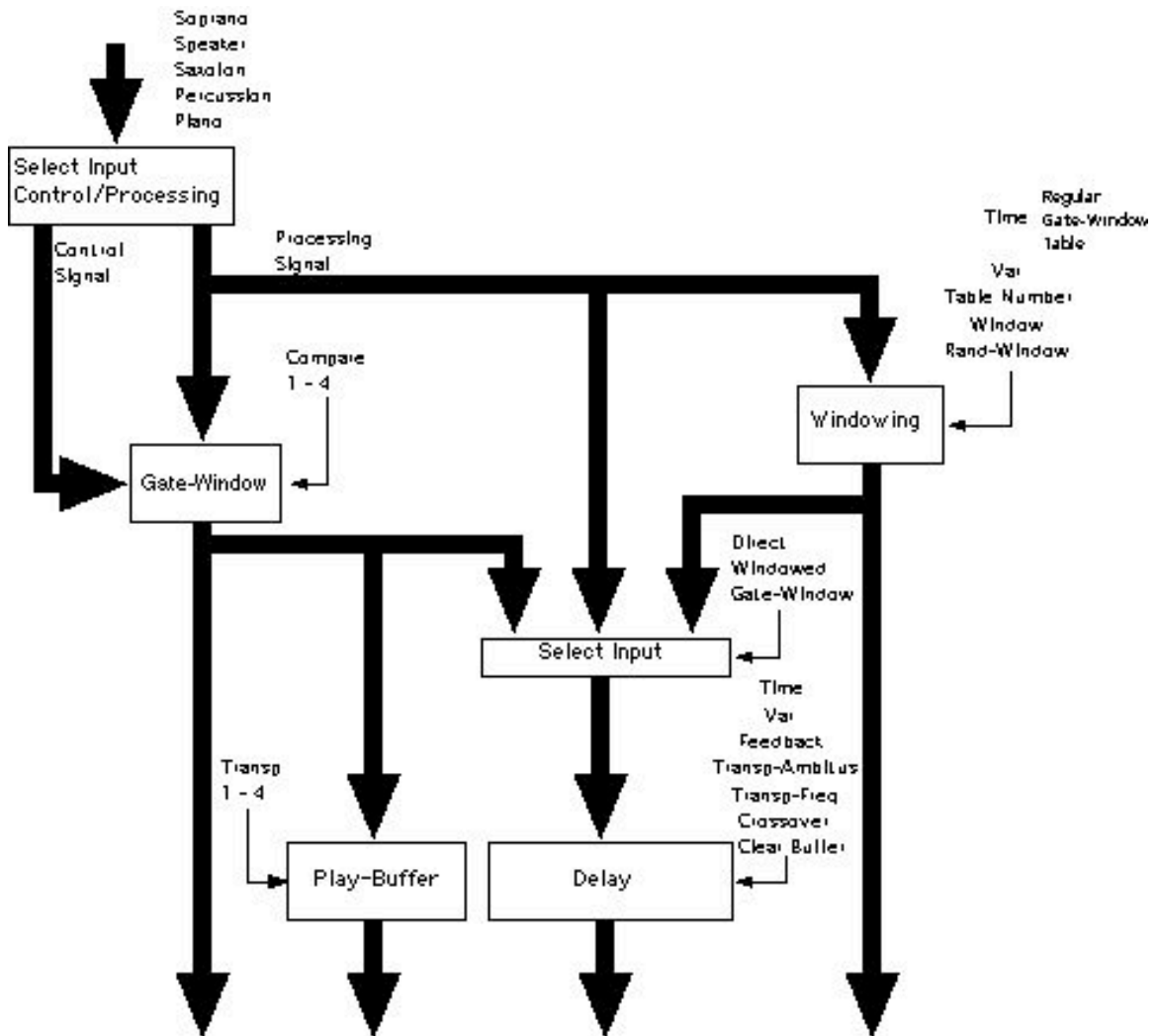
(GW) Delay the signal from Gate-Window patch

(WIN) Delay the signal from Windowing patch

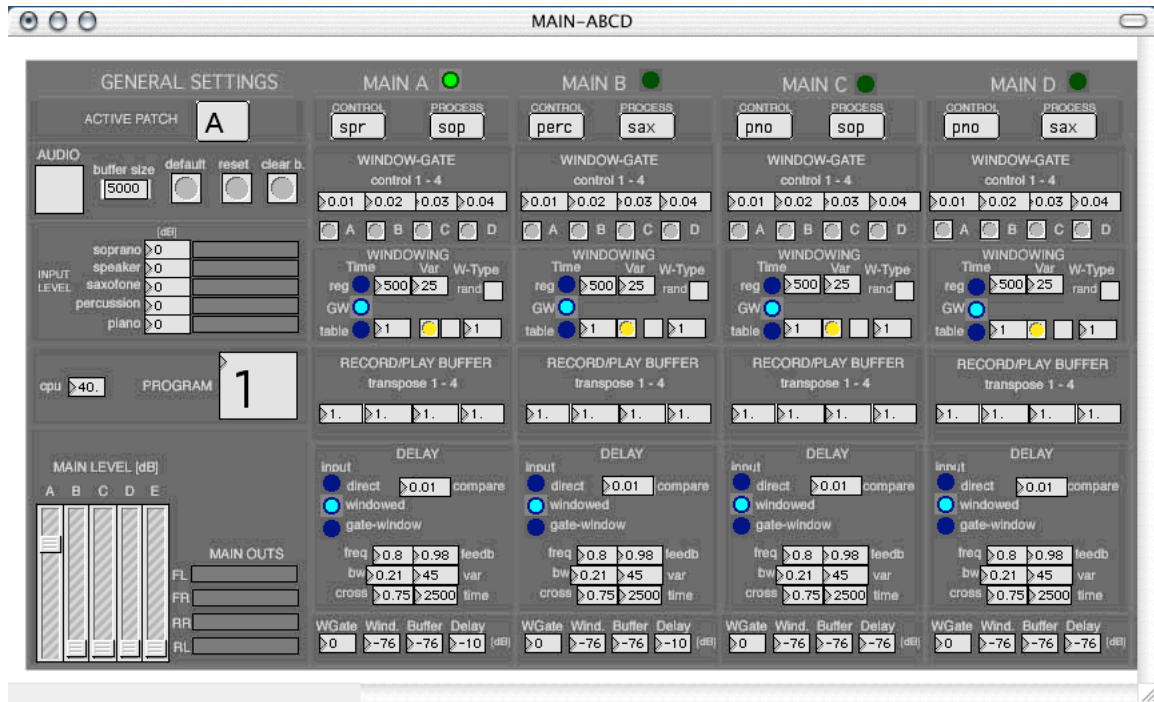
General Setup



MAX/MSP - Structure



MAX/MSP – Workspace



Midi Controller (UC33)

