

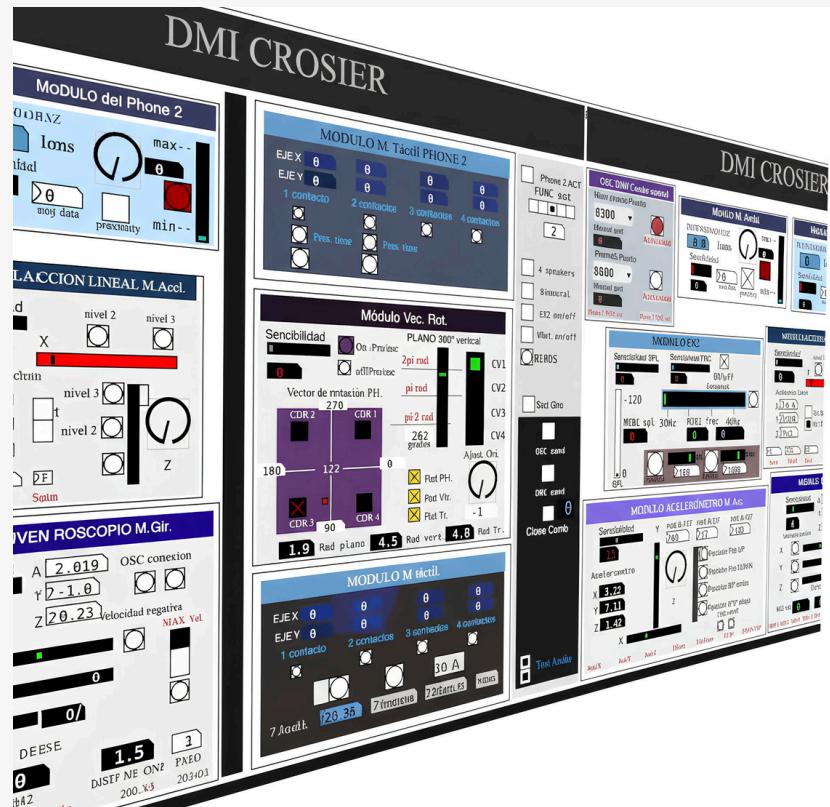
Pd

Patch Pure DAta

## CROSIER-CONTROL DATA 2.0 MODULE

Diseño y desarrollo de sistemas MMHCI híbridos con bioseñales y un DMI de smartphones, para obras bio-interactivas mixtas y performáticas

Pure Data Patches for the PhD Thesis: Juan Pablo posada Alvarez



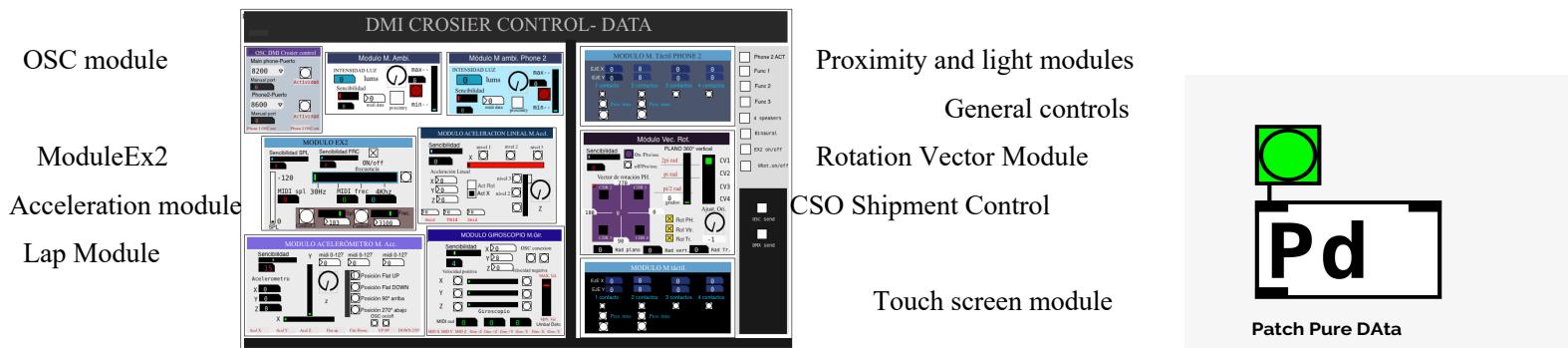
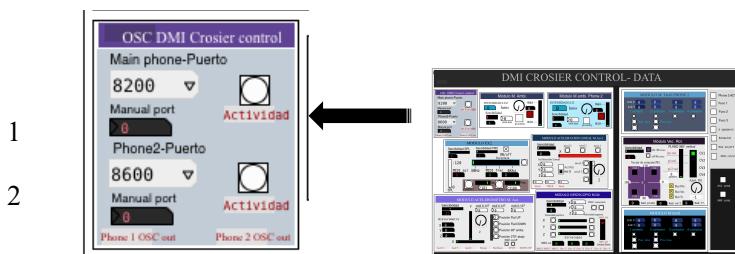


Figure Error! No text of specified style in document..1 Crosier Control-Data Pd interface.

This proposal explicitly contemplates the possibility for future users to explore new combinations of IMs and modules, thus developing programming alternatives with expanded or different functionalities to those proposed here.

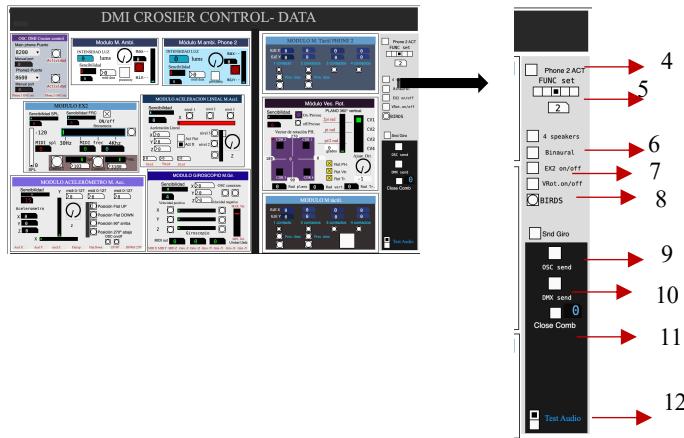
Figure 5.15 shows the graphical interface of the Crosier-Control Data module, whose operation and control parameters are detailed below.

### CSO Section:



- 1. Phone Port:** This selector allows you to choose 4 fixed ports for connection by OSC, 8200, 8300, 8400 and 8500.
- 2. Manual Port:** Allows you to manually adjust the port number. This option is useful when fixed ports are busy.
- 3. Act LED:** This display allows you to see if there is CSO activity

## Control Panel Section:



4. **Phone 2 Act:** This control activates and deactivates the functionalities of the Crosier Smartphone 2 control.
5. **Func:** This control activates the specific functions of PMson and routing of the modules.
6. **4 Speakers:** This control activates the Quadraphonic sound functions, by default it is set to stereo.  
**Binaural:** Activates the functions for Binaural spatialization. In order for sound spatiality to be appreciated, it must be listened to with headphones.
7. **Ex2 on/off:** This option disabled or enabled the functions of the Ex2 module. This option is implemented to avoid audio and feedback failures with the mic taking signals with high dB.
8. **Vect. Rot. On/Off:** This control disables interaction with the rotation vector when you want to use combined stereo and quadraphony systems or do not want to specialize the sound.
9. **OSC send:** This option enables or disables the sending of data to computer 2, if required.
10. **DMX send:** Enables and disables the sending of data for DMX interaction.
11. **Comb class:** This option enables and disables the converged interaction IMs of the touch screens of the 2 smartphones.

**12. Test:** This option activates a test audio to verify the MIDI connection with Ableton Live or the software to which it is mapped.