PRELIMINARY OWNER'S MANUAL

MISMATCHER CONNECT PROTOTYPE
APRIL 2022
REV. α

I. INTRODUCTION

This Owner's Manual was written to give some insight to the future owners of MisMatcher Connect prototypes. It's assumed that the owners of these devices have prior knowledge on how to operate EuroRack modules.

The MisMatcher Connect is an EuroRack module based around the MisMatcher01 video glitch module. It features an Enhancer, two Faders and a Sync Mixer, which can be controlled manually or by CV signals provided by other EuroRack modules.

II. INSTALATION

When handling the MisMatcher Connect Prototype, keep in mind this is a hand-built prototype and thus it's not as rugged as a final production product. Give special care to the wiring loom coming from the *EL PARASITA* board, as well as its components.

Proceed to connect the power cable from your EuroRack case to the MisMatcher Connect. If you have a 10-pin power connector, you can connect it to the MisMatcher Connect power header in any orientation, as shown below.

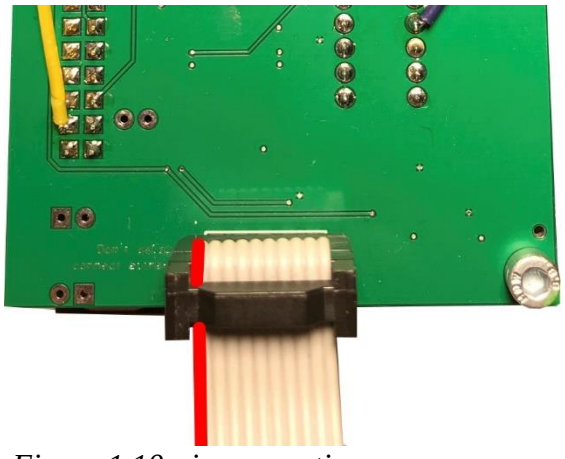

Figure 1 10-pin connection

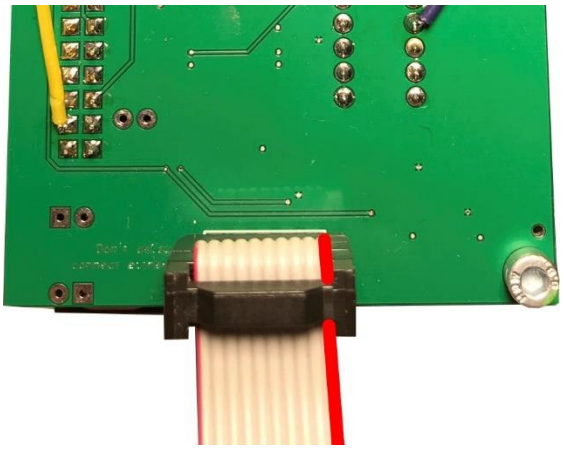

Figure 2 10-pin connection

If you have a 16-pin power connector, connect it respecting the pinout below.

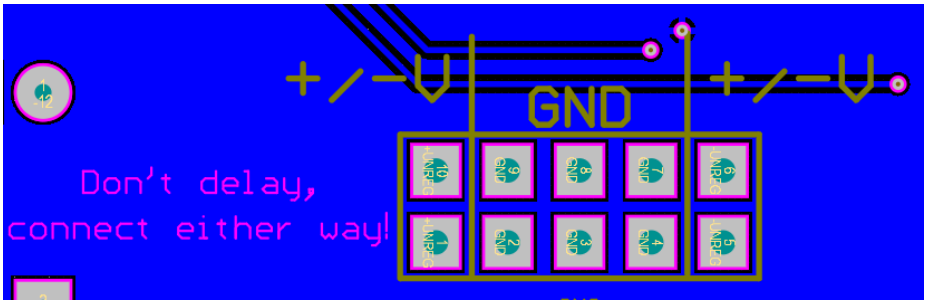

Figure 3 Power header pinout

Power your EuroRack case, and the three LEDs in the *EL PARASITA* board should light up, indicating the correct supply of +12 V, -12 V, +2.5 V and GND.

Finish by screwing the module to your EuroRack case.

III. ENHANCER

Where most of the glitching happens.

3.5mm I/O:

Enhancer Input: Composite video input, 75-ohm termination.

Enhancer Output: Composite video output, 75-ohm termination.

Feedback 1 and Feedback 2 CV Input: Controls FB1 and FB2 parameters through control voltage signals, from other EuroRack modules.

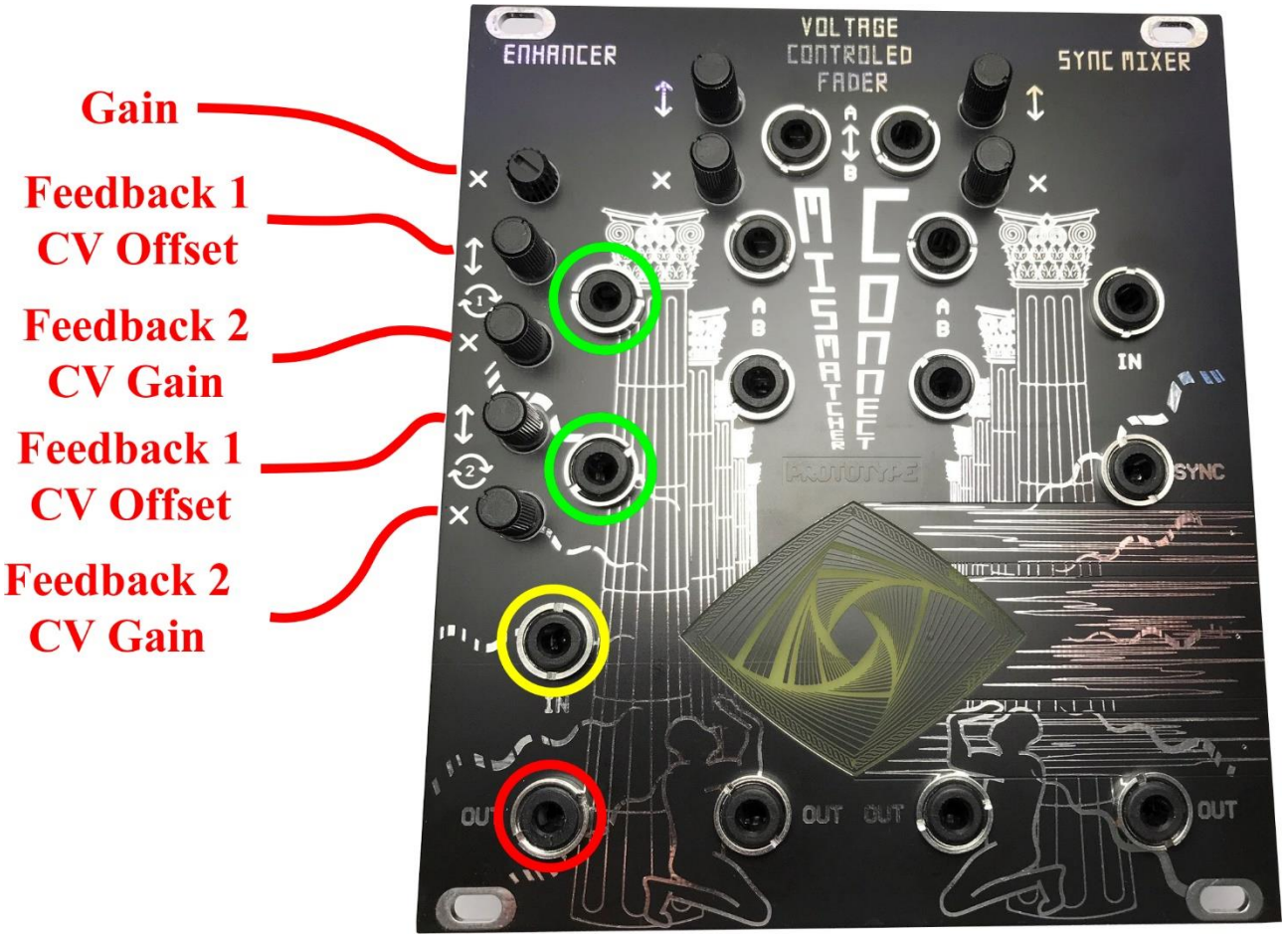

Figure 4 Enhancer

V. Fader

This voltage-controlled Fader blends or fades between two video signals, A and B.

3.5mm I/O:

Channel A and Channel B: Composite video input for channel A and B, 75-ohm termination.

Fader Output: Composite video output, mix between channel A and B, 75-ohm termination.

Fade CV Input: Controls the fade between channel A and B.

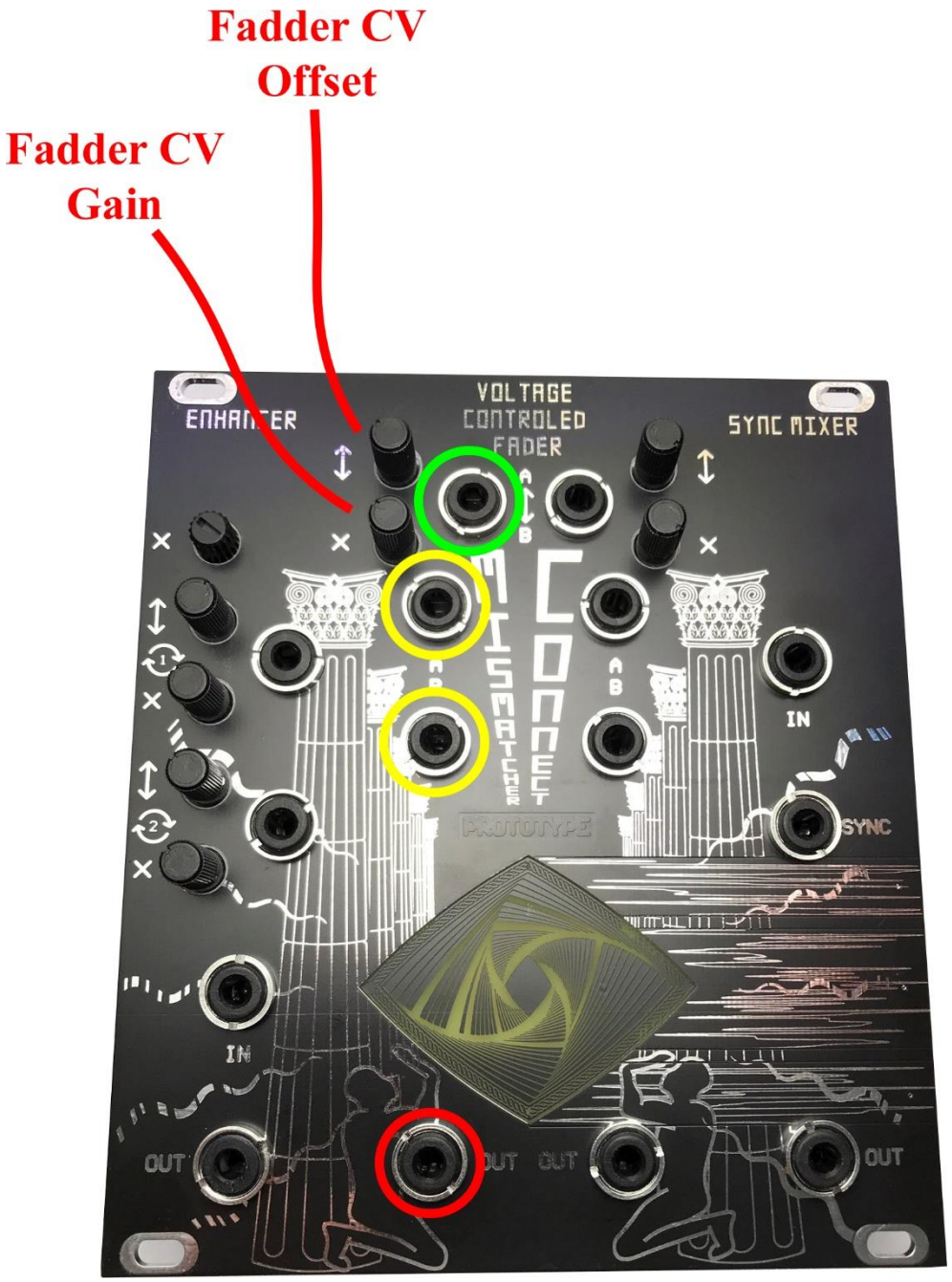

Figure 5 Voltage Controlled Fader

VI. SYNC MIXER

This module is used to restore sync information on video signals to improve stability. Sync information is stripped from Sync In, mixed with Input and exists through the Output. Poor man's TBC.

Glitching will occur if Sync In signal is attenuated.

3.5mm I/O:

Sync Mixer Input: Composite video input, 75-ohm termination.

Sync Reference Input: Composite video input.

Sync Mixer Output: Composite video output, 75-ohm termination.

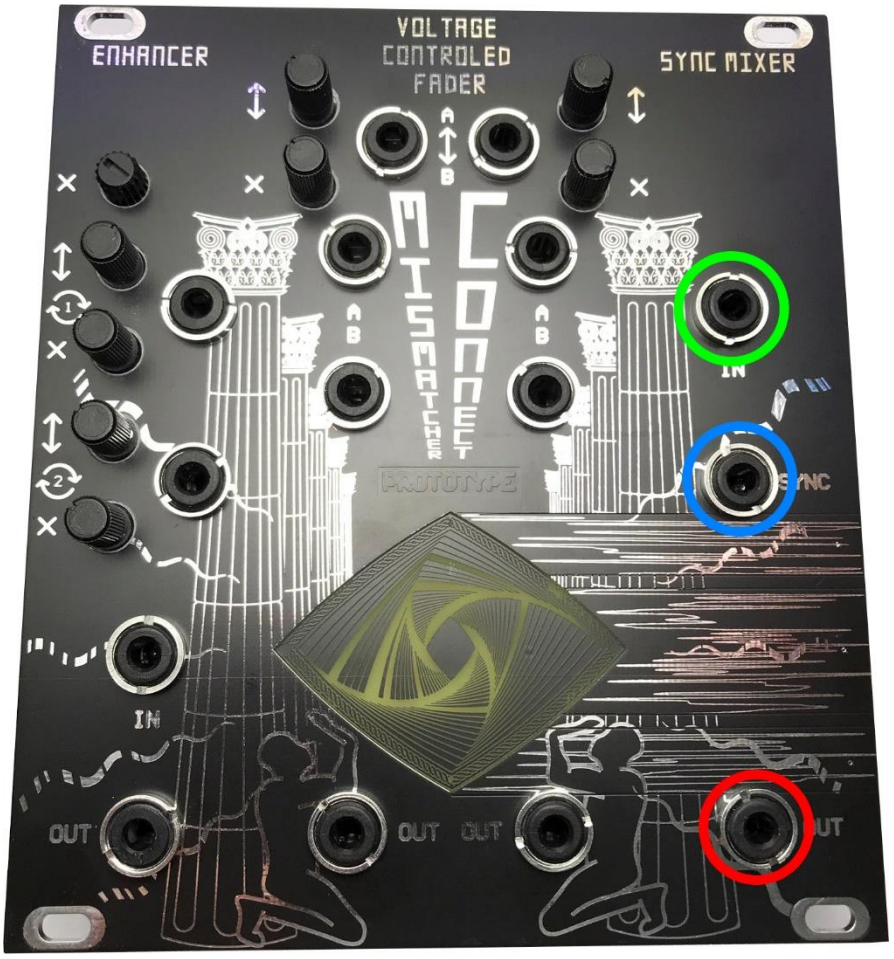

Figure 6 Sync Mixer

VII. PATCHING EXAMPLES

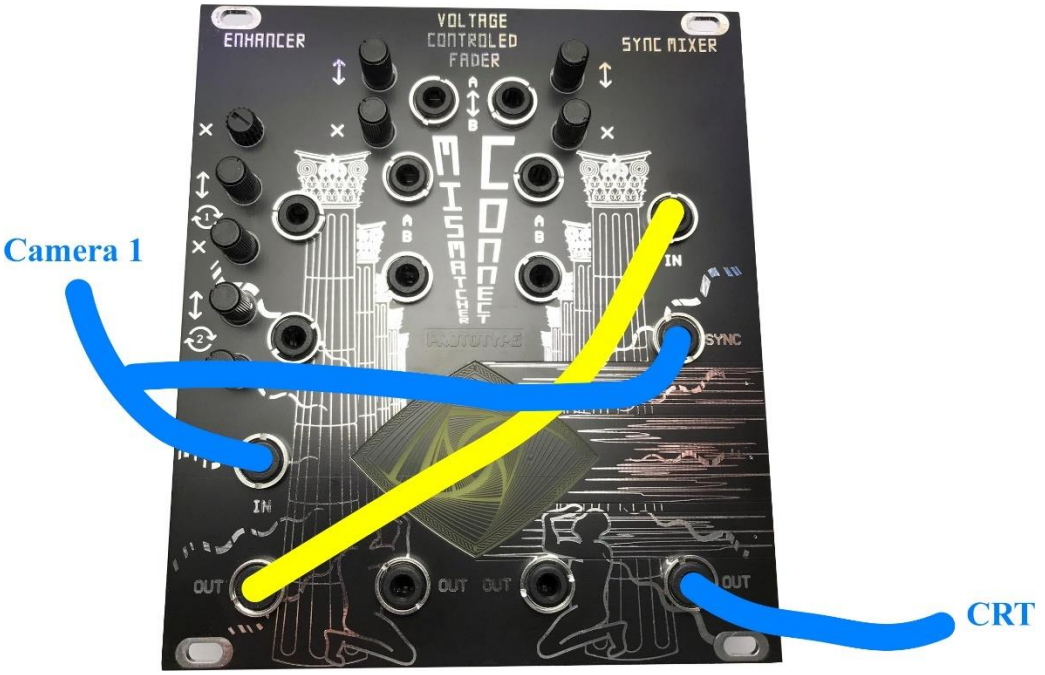

Figure 7 Recommended patch to give stability to the Enhancer and obtain a stable picture

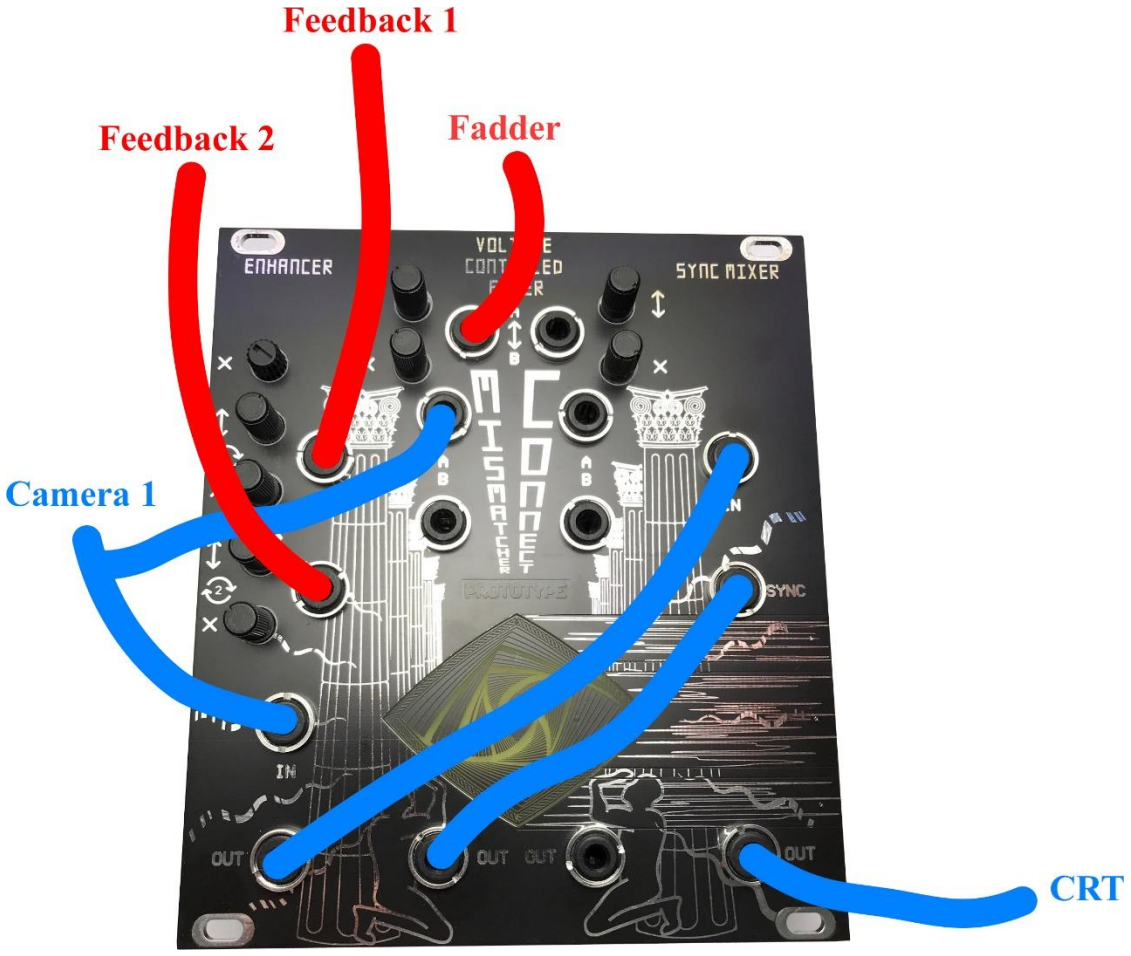

Figure 8 Example using the Enhancer, Fader and Sync Mixer, controlled through CV

MisMatcher Connect Prototype

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