

Owner's



Manual

Important Safety Instructions

WARNING – WHEN USING ELECTRIC PRODUCTS, THESE BASIC PRECAUTIONS SHOULD ALWAYS BE FOLLOWED.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use apparatus near water – for example, but not limited to: near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool or the like.
6. Clean only with dry cloth.
7. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
9. Use attachments/accessories specified by the manufacturer. Ensure that any external equipment used in conjunction with this product is installed according to the safety specifications supplied with that equipment.
10. Unplug this apparatus during lightning storms or when unused for a long period of time.
11. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings. Do not expose this product to rain or moisture.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as if power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

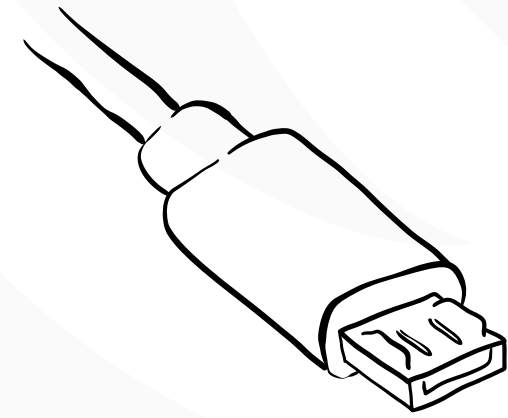
Thank you.

Thank you for purchasing the new MisMatcher Petite, from Freedom Enterprise. This patchable, compact video effects unit is based around the original MisMatcher01, sporting most of its circuitry but with a simplified layout. It was designed to provide beginners in the realm of video art with a powerful yet handy tool they can get accustomed to. By reading this manual you'll become familiar with the MisMatcher Petite, its features and operations, so you can make the most of it. We wish you good luck and countless hours of trip inducing visual with your new device from Freedom Enterprise.

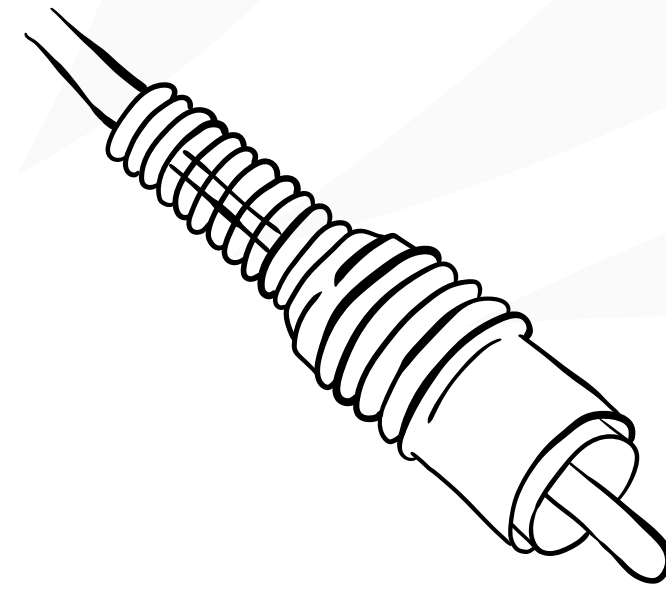
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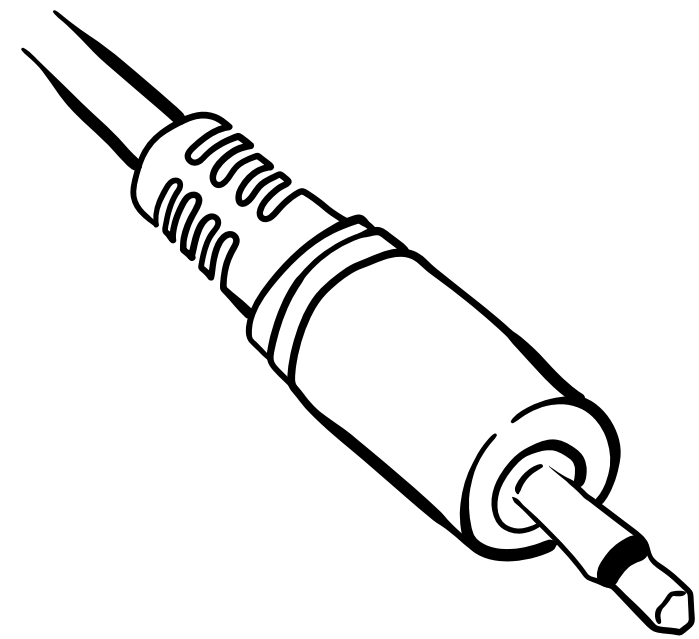
Cables



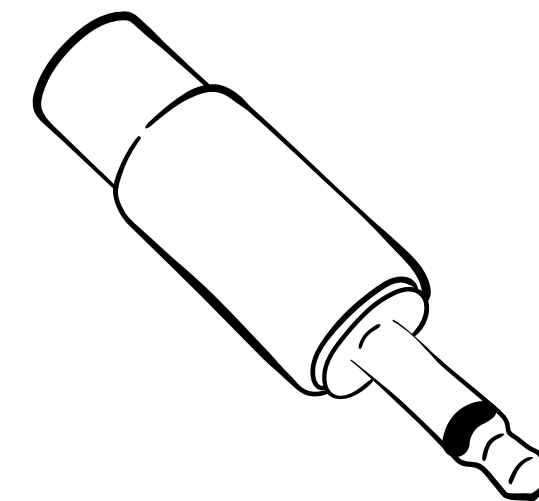
Micro USB



RCA



Patch cable



RCA to 3.5mm
adapters

Quick Start

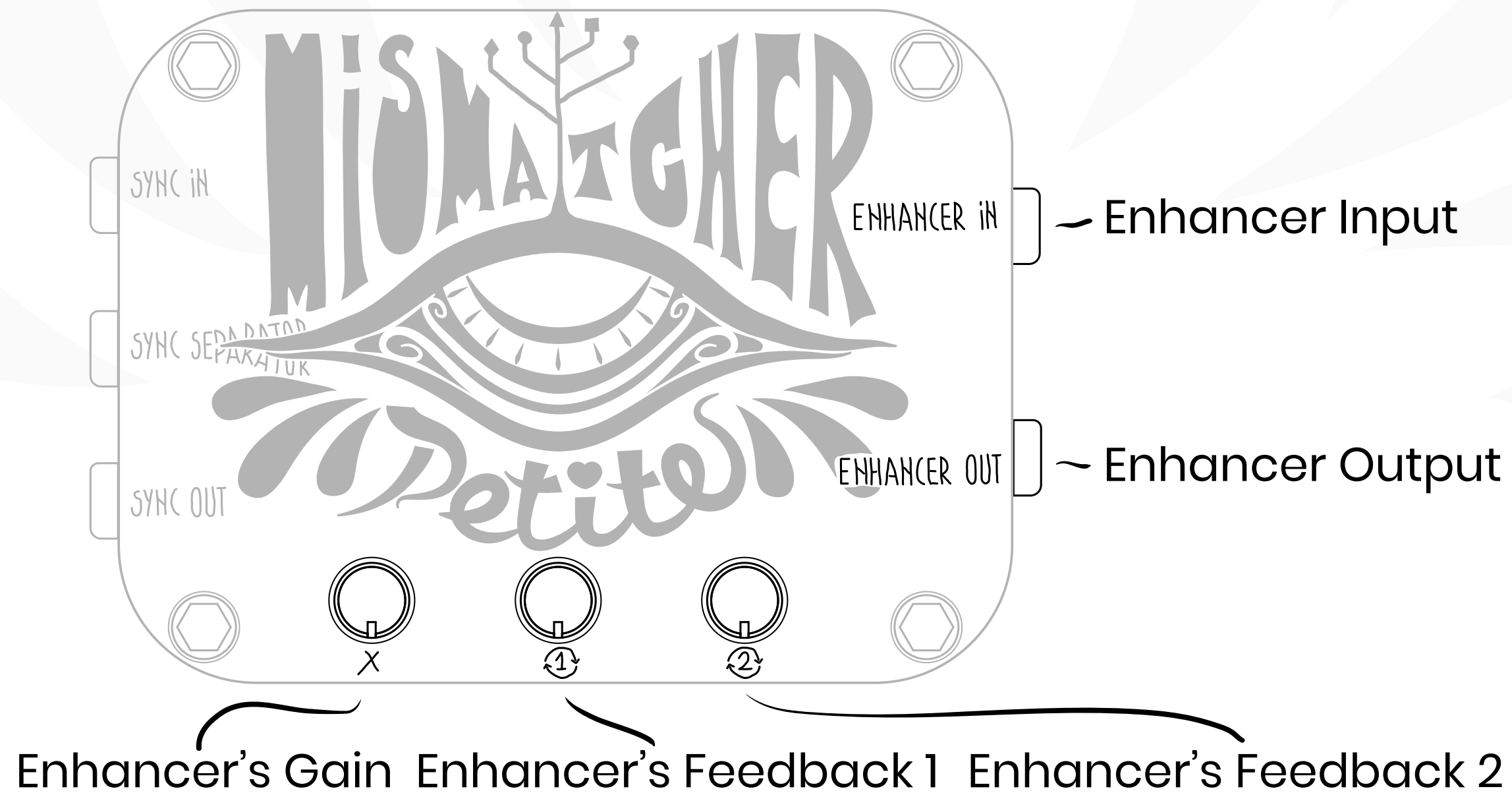
- 1- Connect your Micro USB cable to a USB charger and then connect it to your MisMatcher Petite;
- 2- Connect your camera to one end of a RCA cable, the other end to the RCA to 3.5mm adapter and then into your Petite's Enhancer In;
- 3- Connect your CRT TV to one end of a RCA cable, the other end to the RCA to 3.5mm adapter and then into your Petite's Enhancer Out;
- 4- Use the three knobs at the bottom, Feedback 1, Feedback 2 and Gain to control the effect.

Controls



The MisMatcher Petite is an active video glitcher, so it needs an external power source to work. Simply use a Micro USB cable with a regular phone charger.

Controls



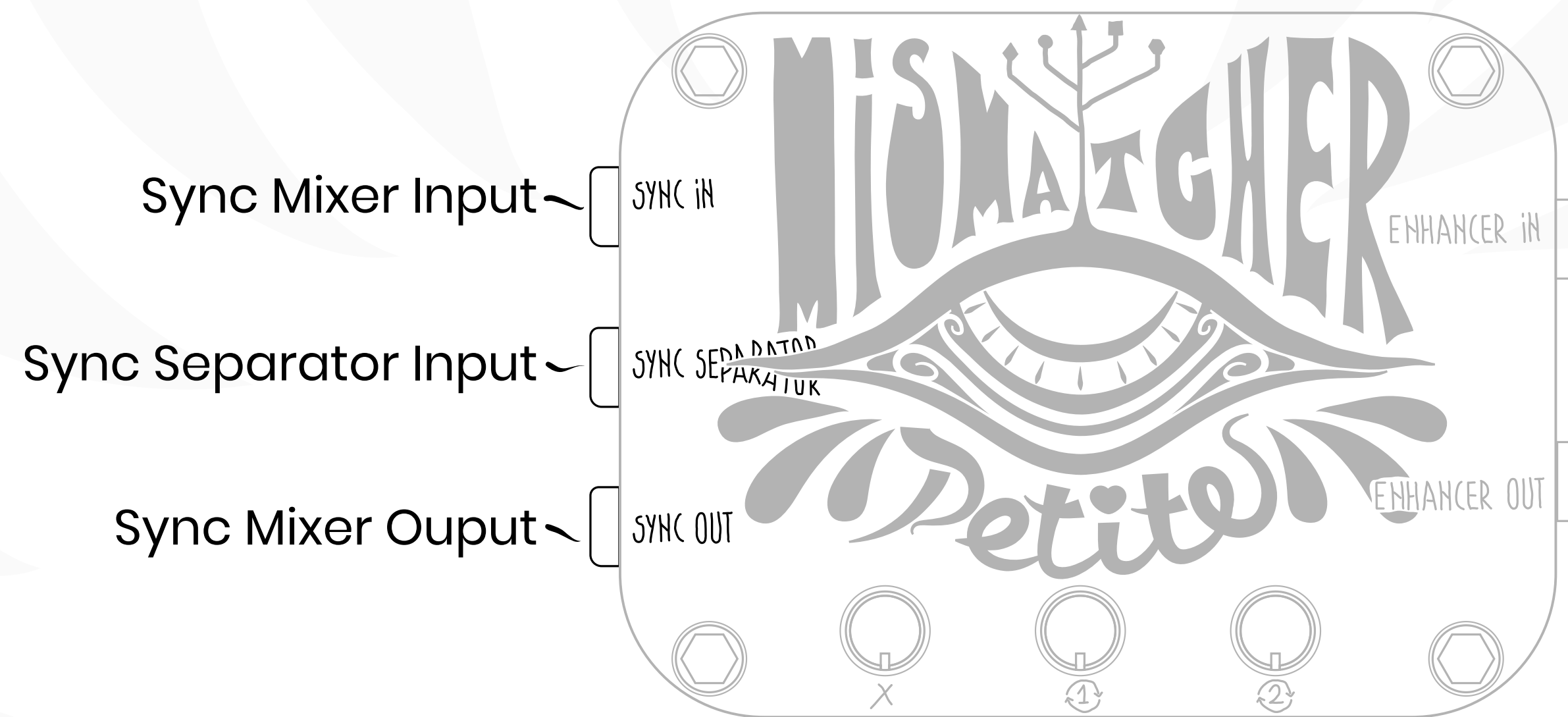
The Enhancer can be used to either boost saturation and sharpness of the video, or using the provided Gain, Feedback 1 and 2 controls to distort the video and create interesting effects.

The **Gain** knob controls the overall amplification of the circuit.

Feedback 1 and **Feedback 2** knobs take video from different stages of the circuit and feeds it back into the Enhancer's input.

The Input and Output are **3.5mm jacks**. Only 3.5mm **TS cables** with the **signal on the Tip and Ground on the Sleeve** can be used. To connect RCA cables you must use a RCA to 3.5mm TS adapter.

Controls



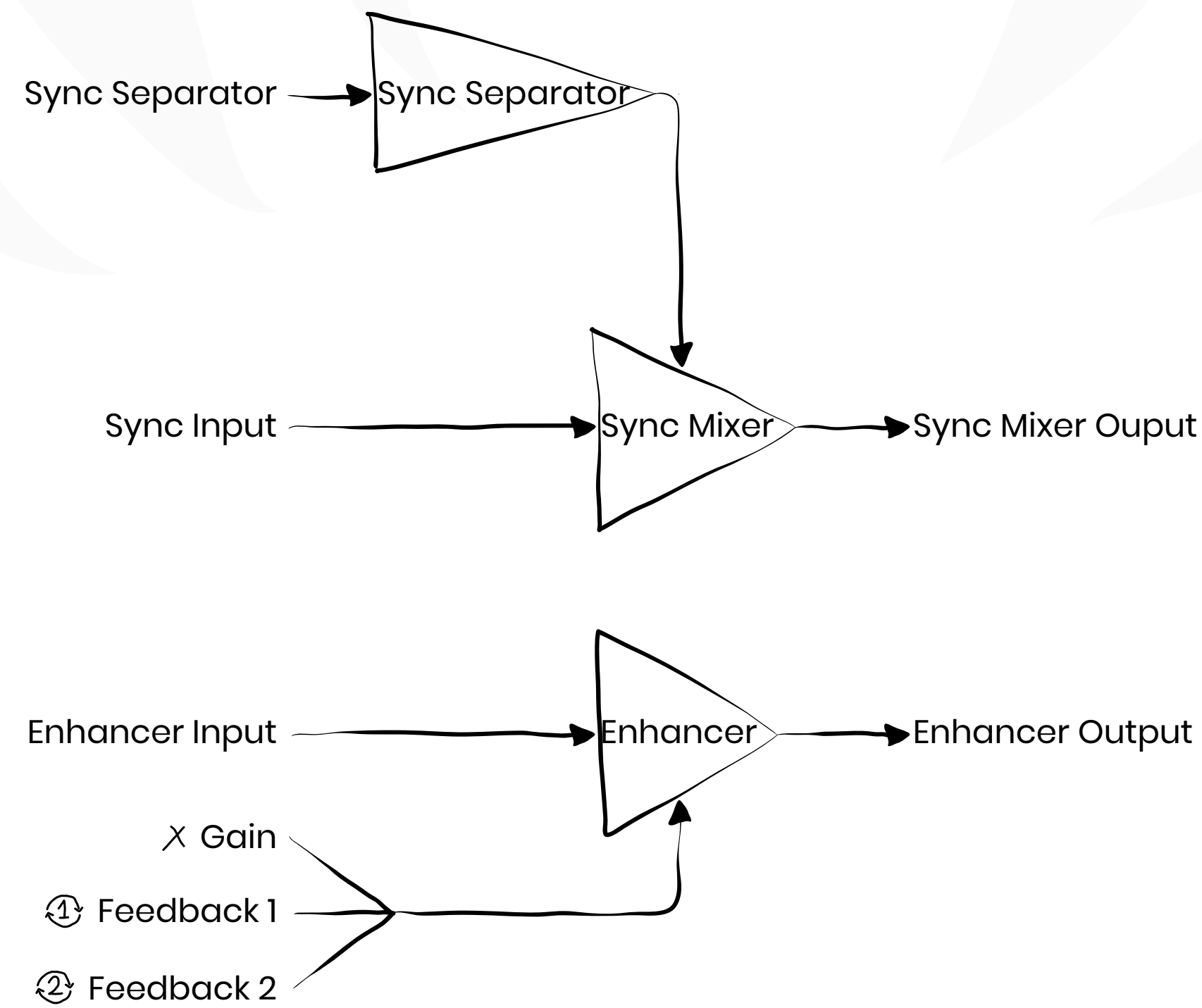
The distortion of video signals can lead to horizontal or vertical scrolling of the image on screen. When this effect is undesirable, the Sync Separator and Sync Mixer can correct this problem.

The **Sync Separator** extracts the sync portion of the video signal.

The **Sync Mixer** then takes the video signal at the Sync Mixer Input and remixes it with the sync provided by the Sync Separator, resulting in a stable image.

The Input and Output are **3.5mm jacks**. Only 3.5mm **TS cables** with the **signal on the Tip and Ground on the Sleeve** can be used. To connect RCA cables you must use a RCA to 3.5mm TS adapter.

Principle of operation

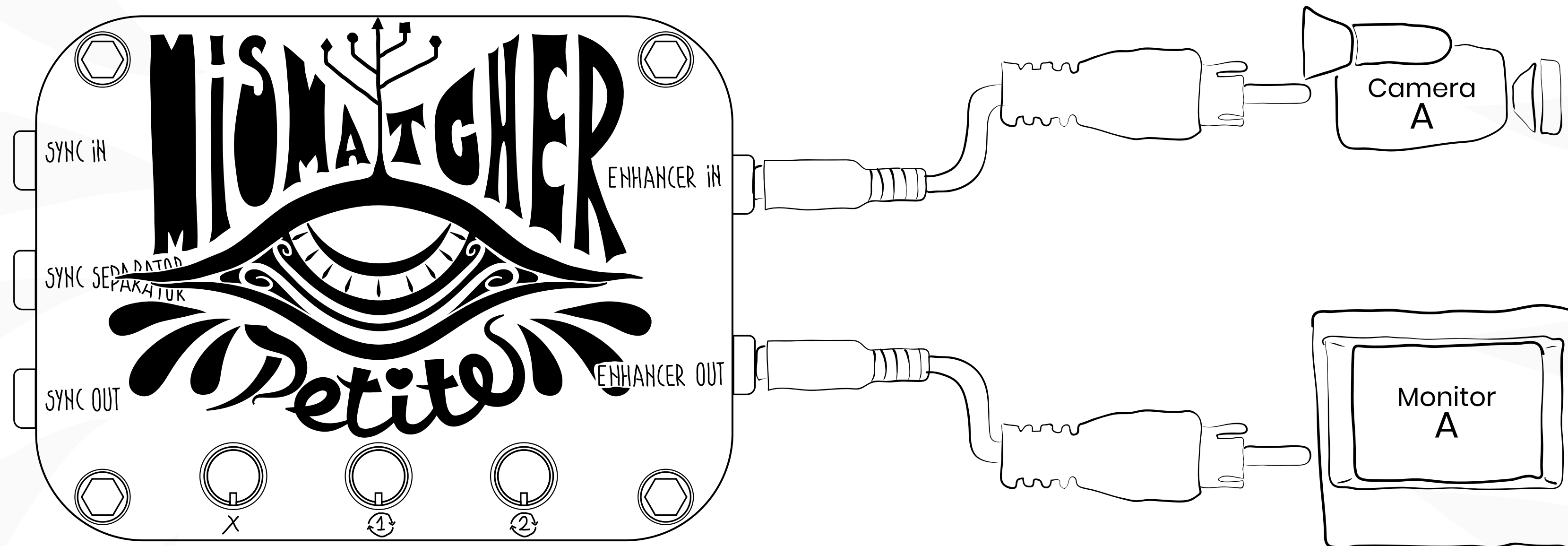


An electronic analog video glitcher is a device designed to distort analog video signals using analog circuitry. The MisMatcher Petite works with the **yellow RCA jack from cameras and monitors**, and contains three different analog circuits, Sync Separator, Sync Mixer and Enhancer. Feedback and gain controls are available for the Enhancer. These circuits can be used individually or interconnected between each other, using 3.5mm patch cables.

Patch Examples

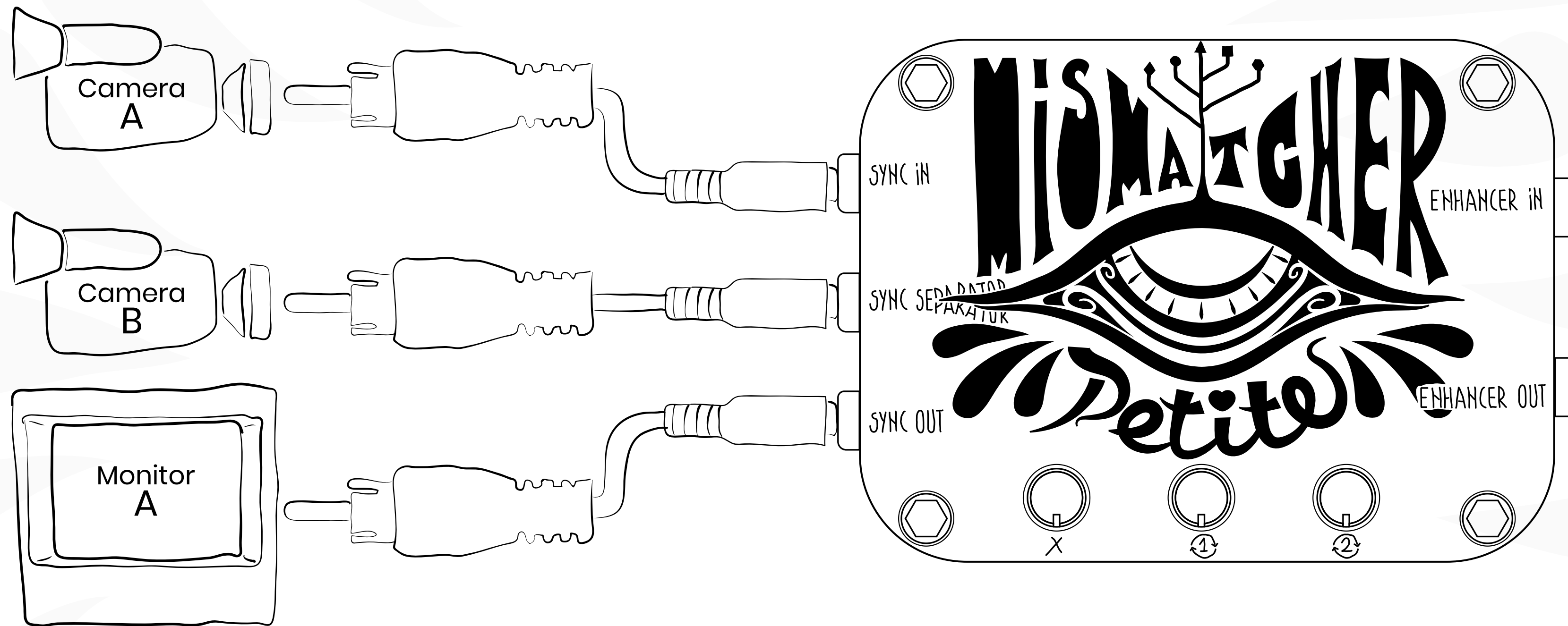
The following are examples of possible patches on the MisMatcher Petite.

You should explore all possible connections within the MisMatcher Petite and with other effects, even sound oriented effects like guitar pedals.



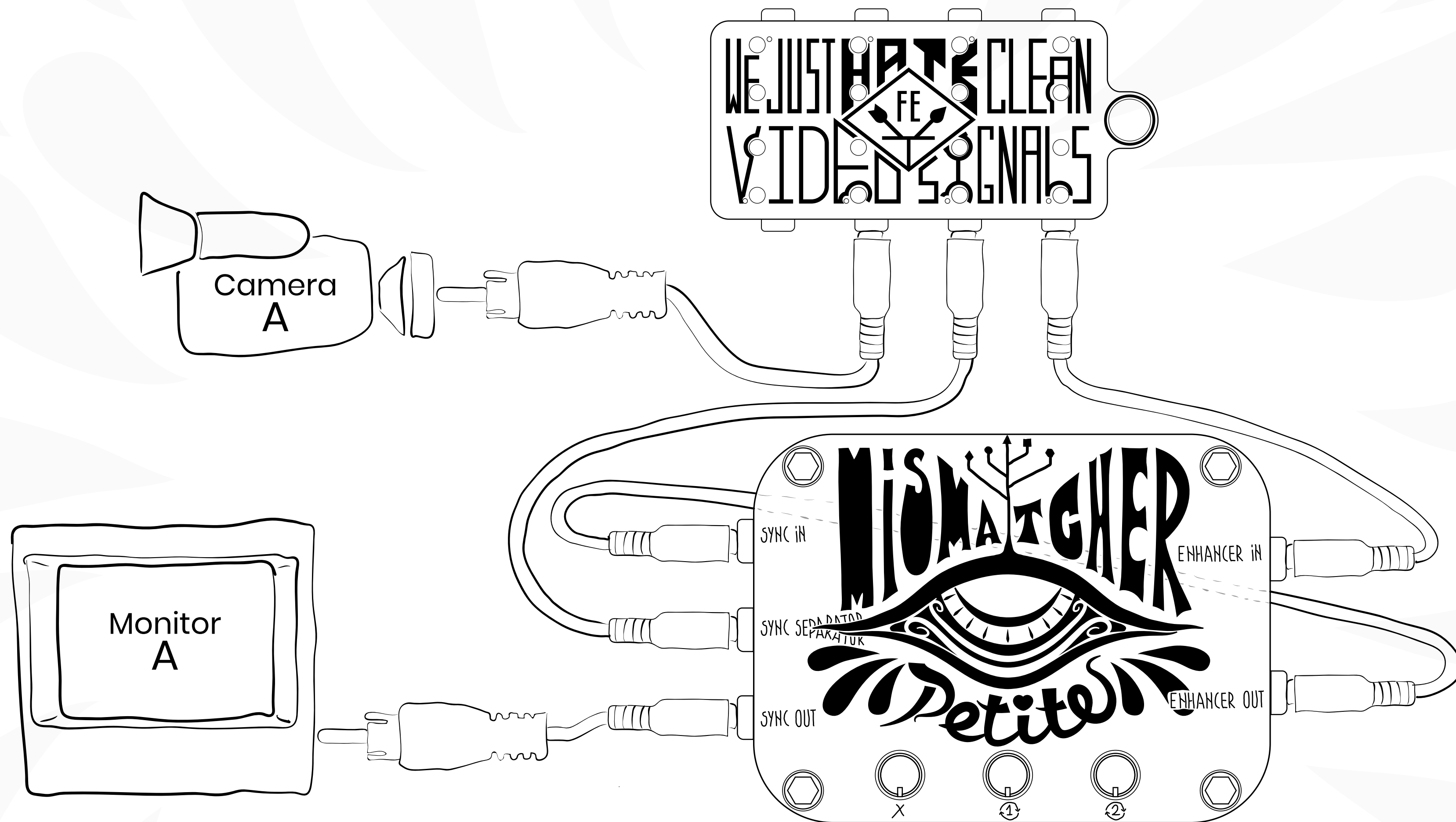
Here we simply connect a camera to the enhancer In and a monitor to the enhancer out. The knobs are used to control the effect.

Patch Examples



In this instance we resync camera A to camera's B sync signal, resulting in a scrolling image in monitor A.

Patch Examples



In this example we use the enhancer to distort a video signal, then run it through the sync mixer to restore its sync, so we can always obtain a stable picture in Monitor A.

Troubleshooting

<i>Problem</i>	<i>Possible solution</i>
Unit doesn't power on	<ul style="list-style-type: none">➤ Replace Micro USB cable.➤ Replace power adapter.
No video output	<ul style="list-style-type: none">➤ Ensure your unit is powered.➤ Ensure you're only using RCA cables with 3.5 mm TS adapters.➤ RCA to 3.5mm cables that commonly come with video cameras won't work.➤ Ensure you're using proper 3.5mm TS patch cables for patching, with signal on the Tip.➤ Double check your patching.
Unstable video on screen	<ul style="list-style-type: none">➤ Patch the Sync Mixer after the Enhancer to restore video sync (Example 3).➤ Dial down the Gain, Feedback 1 and Feedback 2 knobs.

Specifications

<i>Size</i>	65x49 mm
<i>DC Input</i>	5 V
<i>Power Consumption</i>	55 mA
<i>Video Format</i>	NTSC, PAL, SECAM
<i>Video Level Input / Output</i>	2 V _{pk-pk} , 75 ohm termination

Warranty

Fully assembled versions of this product are covered by warranty for one year following the date of purchase. This warranty covers any defect in the manufacturing of this product, such as assembly errors or faulty components. This warranty does not cover any damage or malfunction caused by incorrect use, such as, but not limited to, power cables connected backwards, excessive voltage levels, or exposure to extreme temperature or moisture levels. The cost of returning a product for repair or replacement is paid for by the customer. DIY kits and bare printed circuit boards are not covered under any warranty and come with no guarantee of assembly troubleshooting or customer support.



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Note: Specifications subject to change without notice