

Real time video synthesis  
products at the forefront of  
open source hardware.

# Milkymist One

live video synthesizer

- Low latency
- Video input
- Audio synchro.
- DMX512 interaction
- MIDI interaction
- Generative effects
- Customizable



**A powerful tool  
to create interactive  
and **psychedelic visual effects !****

VJ's, MUSIC BANDS, CLUBS, EVENTS, ART INSTALLATIONS, ETC.

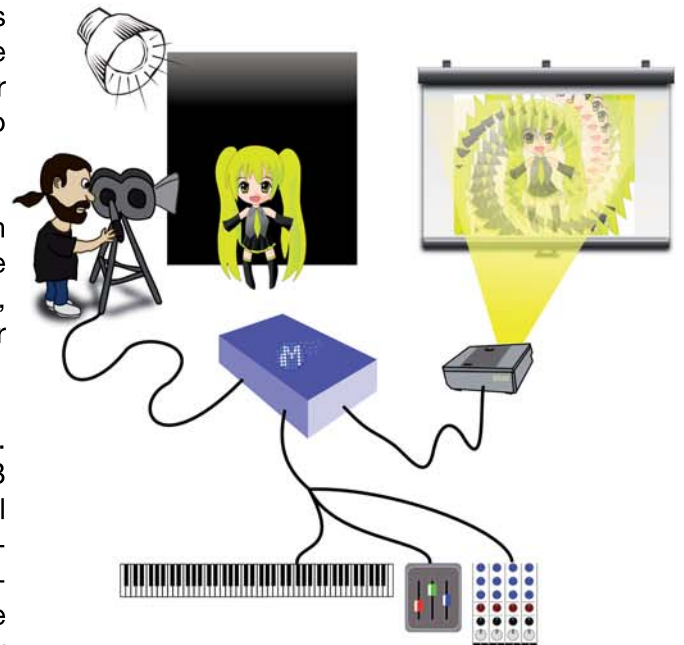


## It's easy to create an entertaining video installation with the Milkymist One.

Connect a camera and a videoprojector, press the power button, and seconds later, everything you film becomes live psychedelic effects of color and light. Point the camera at a dancer on stage, at people attending your party, at toys, use UV-glow paint... there are no limits to creativity!

If no camera setup is available, the Milkymist One can produce purely generative effects which react to the ambient sound, making it an ideal option for music bands, clubs and party organizers who want a turnkey solution for simple visual effects.

To control the Milkymist One, the possibilities are endless. The device supports inputs from MIDI keyboards, USB computer keyboards, DMX desks and OpenSoundControl (OSC) clients. You can use a smartphone with an application such as TouchOSC to interact with the visual performance wirelessly, by connecting a WiFi router to the Ethernet port. You can even tap into the immense diversity of the sensor interfaces which have been developed for the Arduino board, and use the Arduino to control the Milkymist One over MIDI.



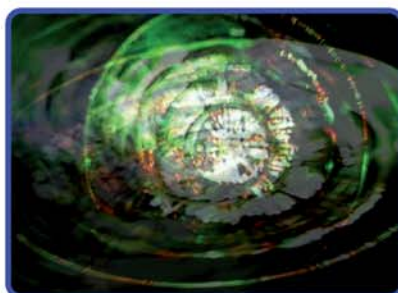
**VJ's will appreciate the possibility to design new visual effects** using the Flickernoise Patching (FNP) language, which allows you to create unique and personal shows without requiring extensive experience with computer programming. And if you do program computers, you will certainly like the fact that the complete Milkymist One design is open source.

## The small box that has it all !

**Dimensions :** 172 x 145 x 45 mm

**Weight :** 465 grams

**Power :** 5 watts





# The most versatile video synthesizer

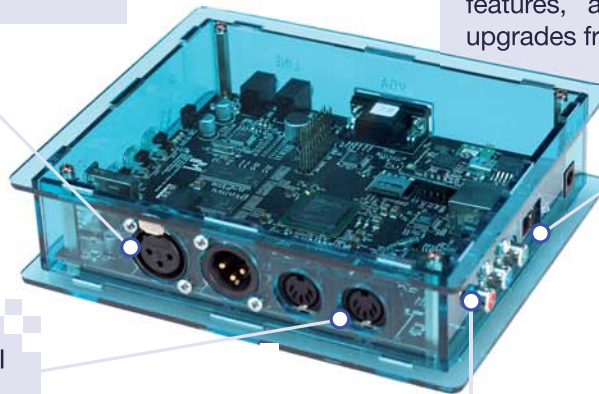
## DMX512

Program a light ambiance in harmony with the visual effects.

## Ethernet connectivity

The Milkymist One supports OpenSoundControl (OSC) as well as online features such as a Tweet wall to stimulate your guests and promote your events.

And it's easy to keep it up to date with the latest features, as it can automatically download upgrades from the Internet.



## MIDI

Communicate with MIDI controllers and keyboards, or even Arduino boards.

## Video input

The video input accepts analogue video sources in CVBS (composite), S-Video and RGB (component) formats for the Milkymist One to synthesize them live through cutting edge and programmable effects. And it does so with very low latency, so what you project stays synchronized with the music.

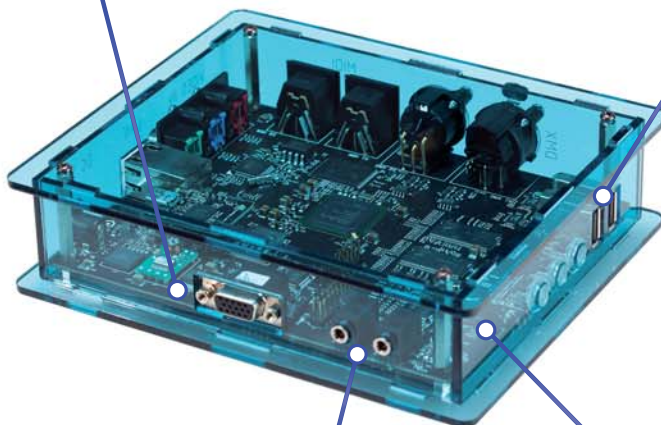
READY  
IN SECONDS

NO COMPUTER  
NEEDED

LIGHTWEIGHT

VERY LOW  
LATENCY

## High resolution VGA output



## USB ports (mouse & keyboard)

Create effects on the Milkymist One directly, no computer needed!

Like a computer, the configuration interface uses a windowed system with mouse and keyboard interaction. From there, you can define what visual effects are selected when in performance mode, associate them to key presses on the USB keyboard, map them to the keys of a MIDI keyboard, and more. You can even write your own snippets of code (called "patches") using the Flickernoise Patching (FNP) programming language to create totally new visual experiences.

## Audio line input and integrated microphone

Synchronize easily with music!

## Remote control

# Enhancing all live performances !



VJ's



Music bands



Clubs & Bars



Festivals

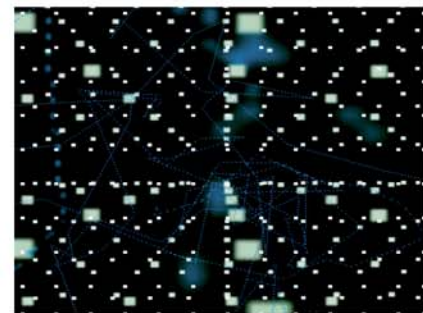
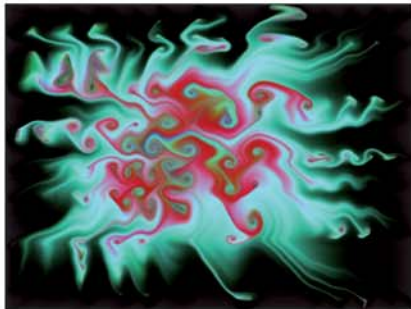


Installations

## What others are saying....

“ We could be looking at the future of visual performance, all in dedicated gear with computer-style flexibility. ”

Create Digital Motion



“ The Milkymist One may end up in the hands of talented VJs who will want to stand above traditional systems. ”

La Moustacherie

“ Milkymist provides an unprecedented degree of freedom for VJ set design and performance. ”

Masters of Media, University of Amsterdam

## Manufacturer :



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## Notes :

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