



Mr. Hyde

synthBlock

by Analogue Solutions

Introduction

SynthBlocks are a range of small desk top signal processors. No menus and no software. Just hardware. Typically all analogue, but with some lo-fi digital effects.

Ideal for:

The digital musician who uses primarily laptop & plugins, who really wants to use some real analogue hardware to process their sounds. Plug the box into the audio in / out of an audio interface. Then route your drums, synths, strings, vocals etc out the computer, through the transistors and op-amps of Mr. Hyde and record back into the laptop.

Or do a similar thing by connecting to the auxiliary buss of a mixing desk just as you would any other effects processor.

Turn the dials and flick the switches in real time with your hands (not a mouse!).

It is also ideal for use in conjunction with Eurorack modular, and other synths with CV sockets, such as the Analogue Solutions Fusebox synthesizer. My Hyde can be cross-patched with these type of synths to extend the range of sounds of the whole package.

The synthBlocks are small and affordable, with no compromise in build quality or sound.

Multiple SynthBlocks can be linked together, not just the audio path, but also the modulation voltages!

Mr Hyde is an analogue filter effects box used for subtle to extreme filtering and modulation effects. SynthBlocks are used to process any sound that you feed into it from your DAW, mixer or some musical instrument (with prior pre-amplification where necessary). To give your plug-ins some real analogue life.

Mr Hyde has 1/4" input and output jacks on the rear, so it can be connected straight to a mixer or DAW audio interface without the need for adaptors.

On the top panel are mini jack sockets to patch with a semi-modular synth, such as AS's very own Fusebox, or to Eurorack and other modular systems.

Mr Hyde can change the sound in subtle ways, such as nice sweeping filtering, right up to mangled FM mayhem!

Designed, engineered, and hand built in England.



Specification

- Multimode 12db analogue filter, featuring Low pass, High pass, Band pass, and Notch filters.
- Resonance with Boost feature to make it self oscillate.
- LFO with Triangle and Square wave signals.
- Range switch, to bring the modulation speed into audio frequencies.
- 1/4" and mini jack sockets for audio / CV input and output.
- Small compact desktop size format. Will fit into your palm!
- Exceptional build quality.

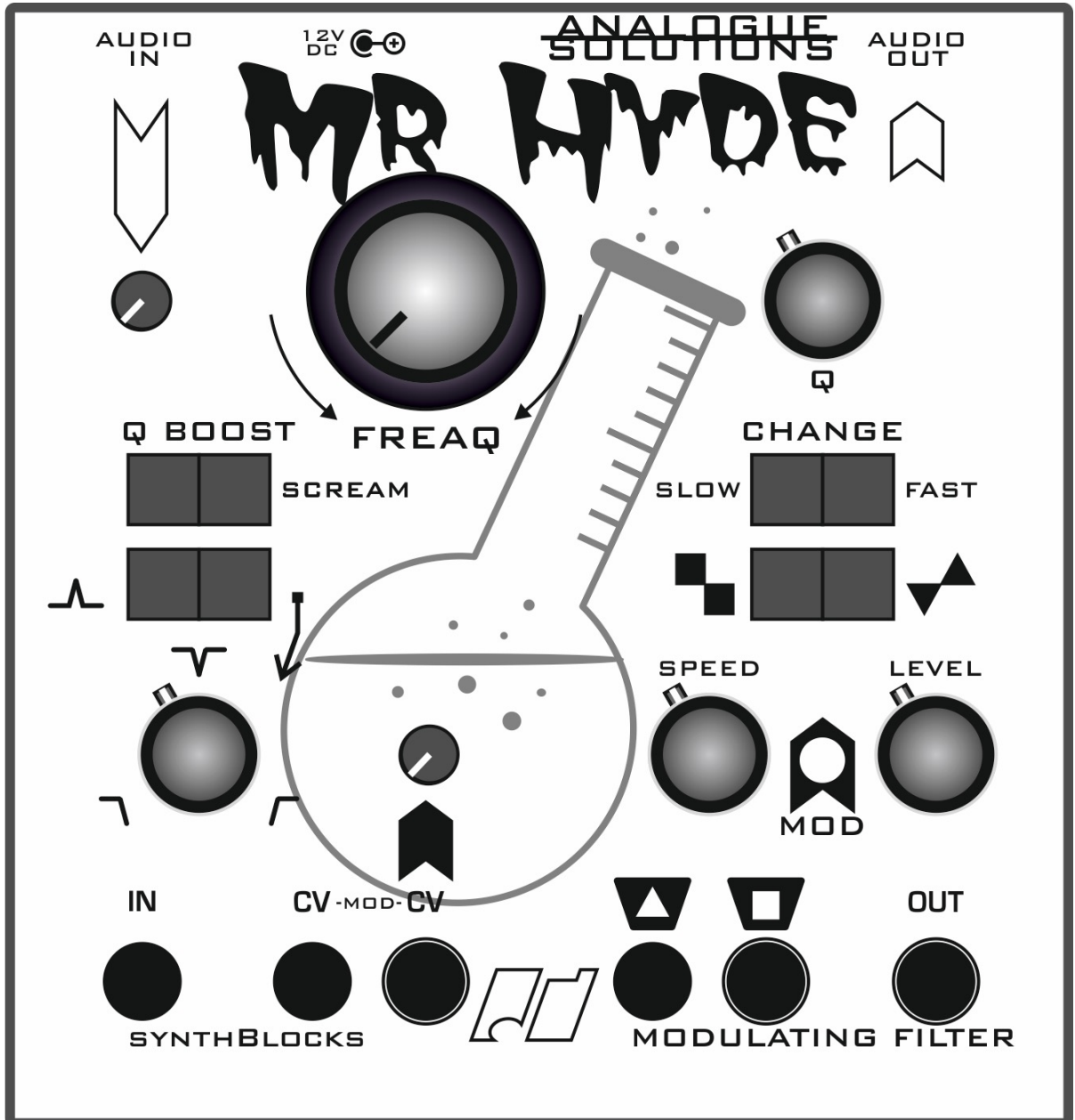
How To Use!

My Hyde and other synthBlocks have been designed to be easy to use, with virtually no need to read this manual!!

You plug in the power, plug your audio in and out, and then just play and experiment! It really is that simple!

We won't explain to you all the life history of how and exactly what a filter, LFO, etc, are in great detail. There are many web resources if you are new to this kind of tech and want to study it.

But we will give you a guide to each element of Mr Hyde.



Safety Instructions

PLEASE READ CAREFULLY BEFORE USING:

- Only use the correct power adaptor.
- Never handle the adaptor with wet hands.
- Never excessively bend the adaptor cable or get it trapped or place heavy objects on it. If the adaptor cable becomes damaged, replace the adaptor.
- Ensure the unit is disconnected from the mains before moving or cleaning.
- Always disconnect the unit from the mains if there is lightning in your area.
- Ensure the unit is on a stable surface, and never place heavy objects on top of it.
- Never allow young children, hippies or animals to operate the unit or adaptor.
- Do not use excessive force when using the controls or inserting cables to the connectors.
- The unit should not be operated in the rain, near water, or at a foam party, and should not be exposed to moisture.
- If the unit is brought from a cold environment to a warm one, the unit should be left to reach the ambient temperature.
- Keep away from heat sources, such as radiators, ovens, heaters etc.
- Never allow it to get wet. Do not operate it near water, like pools, sinks, bathrooms etc. Oh, we covered that already.
- Do not place beverages on or near it.
- Never open the case or attempt to make repairs. Refer any servicing to qualified service personnel.

PREVENTING DAMAGE TO OTHER CONNECTED DEVICES

synthBlock has a very high dynamic range. It is capable of produce loud signals of very high and sub-sonic frequencies that could blow inadequate speakers if played too loud. It is recommended that input levels to external equipment (mixers, amp's etc.) are kept low when first connected, and then slowly increased to a useable level.

MAINTENANCE INSTRUCTIONS

Any cleaning of the synthBlock case should be done with a clean lint-free cloth.

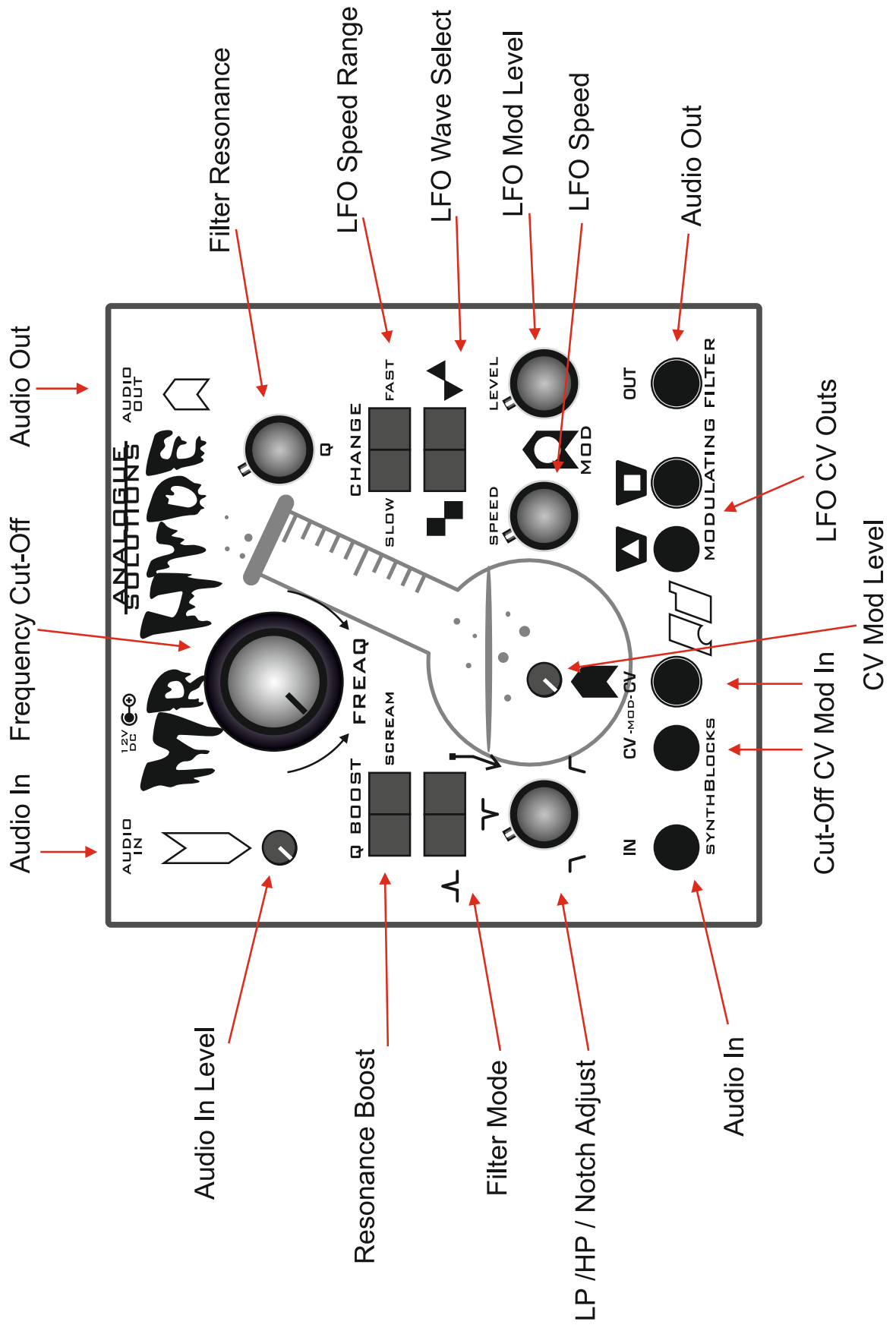
DO NOT USE SOLVENTS OR CLEANERS, as this will deteriorate the exterior appearance of the equipment. Do not use a car wash or jet wash to clean this synth.

PLACE

Place sythBlock soundly on a stable surface so it cannot fall off or over, causing it or yourself injury.

POWER

The unit needs a 12 DC supply, minimum 300mA. Centre positive.



Set up

The audio in will take most line sources. So you can directly connect synths, drum machines, and eurorack, for example.

A good way to link up is to connect it to the auxiliary effects buss of your mixing desk.

Or, of course, to the I/O of your DAW digital audio interface - if you wish to process some audio files.

Audio Connections

You'd normally use the 1/4" jack sockets on the rear panel. But you may find it easier to use the top panel 3.5mm jacks if connecting to eurorack or other modular synths.

AUDIO IN LEVEL

This control attenuates the input signal level.

Filter

Mr Hyde features an analogue 2 pole 12db/Octave multi-mode filter

FREQ

This is filter cut-off frequency.

Q

This control sets the resonance level.

Q BOOST

This switch turns on Q Boost, which allows resonance self-oscillation.

FILTER MODE SWITCH

When left, Band Pass filter is selected.

When right Low Pass / Notch / High Pass filter is selected.

In this position the control below takes affect.

Fully left gives you just Low Pass.

Fully right gives you just High Pass.

Centre gives you Notch Pass.

And of course you can get everything in between!!

LFO Modulator

Mr Hyde features an analogue 2 waveform LFO modulator.
Use this to modulate the filter cut-off frequency and create interesting effects.

CHANGE

You can change the frequency range of the LFO from SLOW to FAST.
In Slow you get typical slow LFO sweeps. In Fast, you can get the speed up to audio frequencies!

SQUARE / TRIANGLE

This switch allows you to select between square and triangle wave modulation signals.
Triangle will give you softer modulation - nice sweeps. Square wave gives you sudden, harder changes.

SPEED

This control sets the LFO modulator's speed.

LEVEL

This is the modulation level / depth that affects the filter cut-off.

Additional CV sockets

Use the minijack sockets to expand connection to other synthBlocks, modular, and eurorack!

THERE ARE 2 CV MOD SOCKETS

These are control voltage (CV) inputs that can be used to modulate the filter cut-off from an external device, such as a modular system or other synthBlock.
The 2nd socket also has a level control just above.

LFO CV OUTPUT

There are square wave and triangle wave output sockets.
Patch these to other synthBlocks or modular synths.

Specification

WEIGHT:

386 grams

SIZE:

134 x 125 x 52mm

POWER:

12V DC, centre positive
2.1mm plug
300mA

Power supply included.

Warranty

synthBlock comes with a 1 year (from purchase date) back to base warranty, (i.e. customer must arrange and pay for carriage to and from Analogue Solutions or the dealer from which purchased).

This warranty shall not apply where the product has been subject to alteration, misuse accident, neglect (such as extremes of temperature and/or moisture) or to wear resulting from normal use.

At the sole discretion of Analogue Solutions, the warranty is deemed to be void should the unit be or considered to have been opened or any other modifications or tampering be carried out by unauthorised parties.

CE Compliance

This unit complies with EU Directives 73/23/EEC and 89/336/EEC.
Standards: EN55103-1, EN55103-2, EN60065

