ADDAC System
Instruments for Sonic Expression
Est.2009

INTRODUCING
ADDAC105
4 VOICE CLUSTER
PRESS RELEASE
October.2019

ADDAC
System

From Portugal with Love!

Press Release
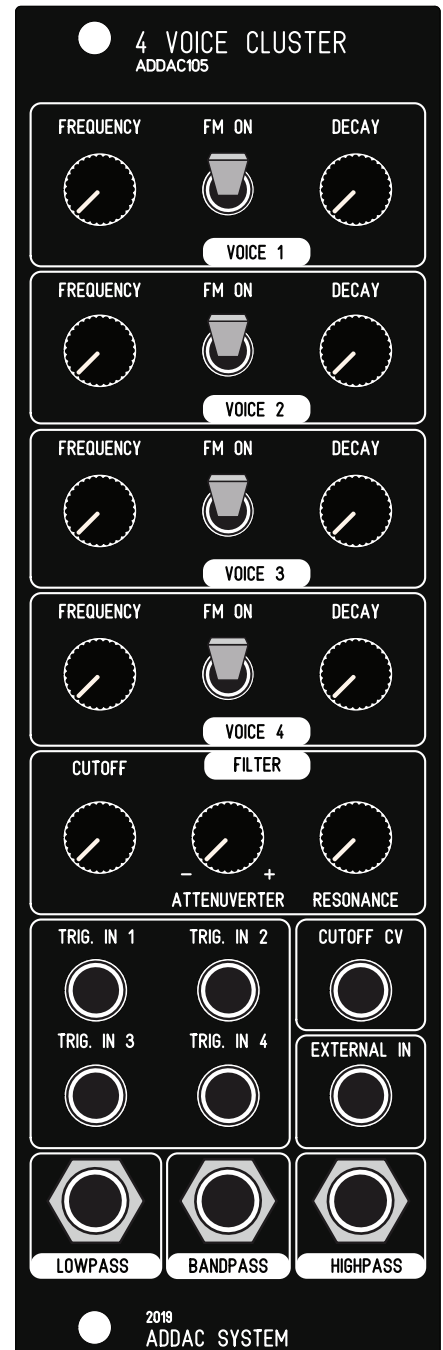
INTRODUCING
ADDAC105 4 VOICE CLUSTER

Following our ADDAC103 T-Networks this new module is inspired by it's simplicity. This is a 4 voice Square Oscillator with VCA, FM switch and a slew decay for the incoming Trigger IN. All voices are then sent through a Multimode Filter.

Each voice has it's own VCA input where any input is accepted (Trigger, Gate, CV) The [DECAY] controls the slew decay applied to the incoming signal, if [DECAY] is fully anti-clockwise then it works as a Mute. The [FM ON] switches activate/deactivate the FM input coming from the previous voice: Voice 1 FM comes from voice 4, voice 2 FM comes from voice 1, and so on, so you can FM all of them in a FM loop.

All 4 voices are summed and sent through a filter with controls over [CUTOFF] with an Attenuverter for the CV input and [RESONANCE]. Three filter outputs are provided [LOWPASS], [BANDPASS] and [HIGHPASS]

The [EXTERNAL IN] input can be routed through a jumper on the back of the module allowing the incoming signal to go to:
1. the filter input for processing an external audio source.
2. all of the 4 voices Frequency control allowing for some experimental CV control over pitch of all 4 voices at the same time (due to the specificities of the circuit and to keep the module at a low price these inputs are not callibrated to 1v/octave).

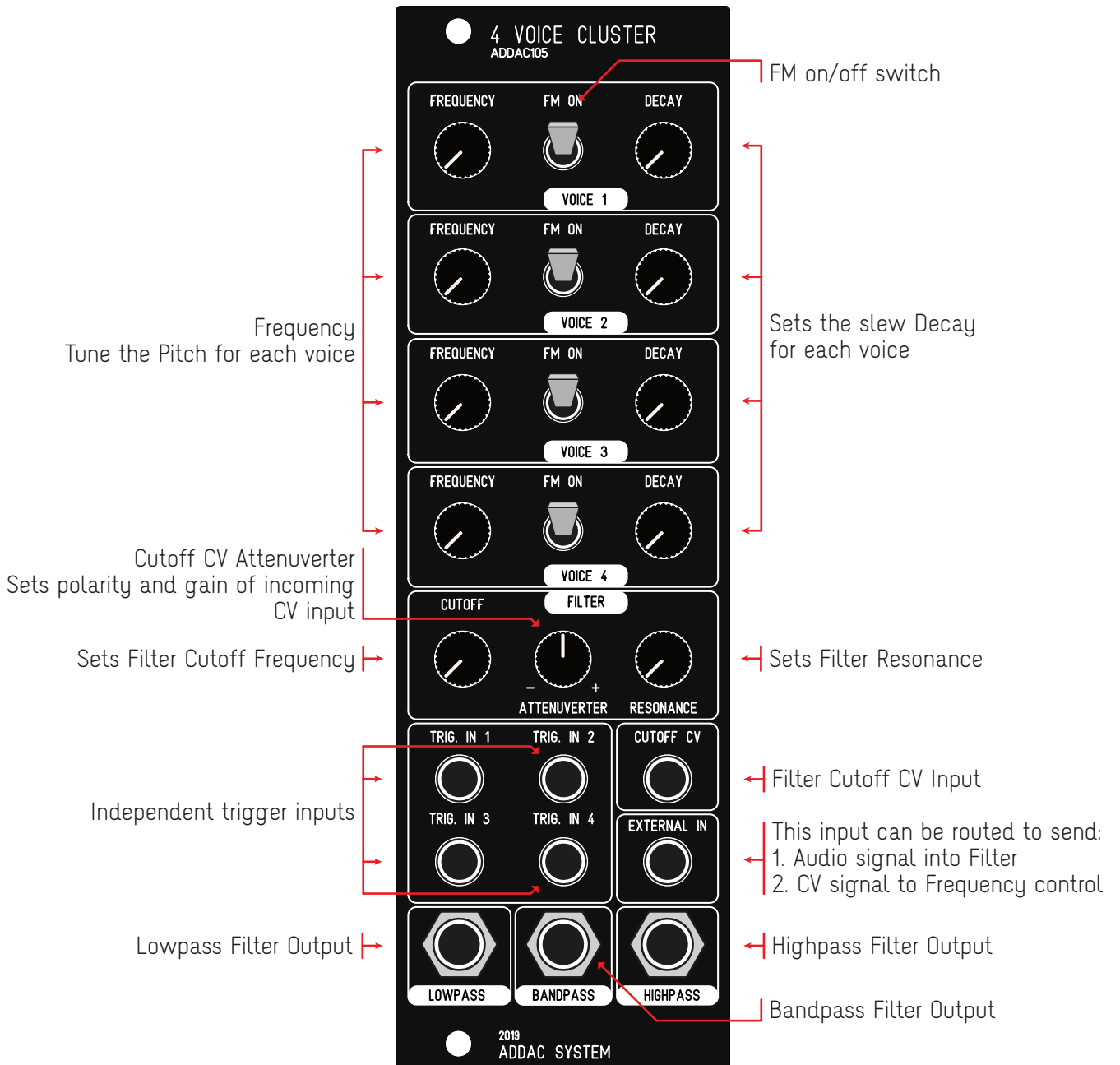This module will also be available as a full DIY kit.

MSRP: 100€
Shipping: Early November

Tech Specs:
8HP
4.5 cm deep
40mA +12V
40mA -12V

CONTROLS DESCRIPTION

4 VOICE CLUSTER
ADDAC105

FM on/off switch

Frequency
Tune the Pitch for each voice

Sets the slew Decay
for each voice

Cutoff CV Attenuverter
Sets polarity and gain of incoming
CV input

Sets Filter Cutoff Frequency

Sets Filter Resonance

Independent trigger inputs

Filter Cutoff CV Input

This input can be routed to send:
1. Audio signal into Filter
2. CV signal to Frequency control

Lowpass Filter Output

Highpass Filter Output

Bandpass Filter Output

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ADDAC105
4 VOICE CLUSTER SIGNAL FLOW DIAGRAM