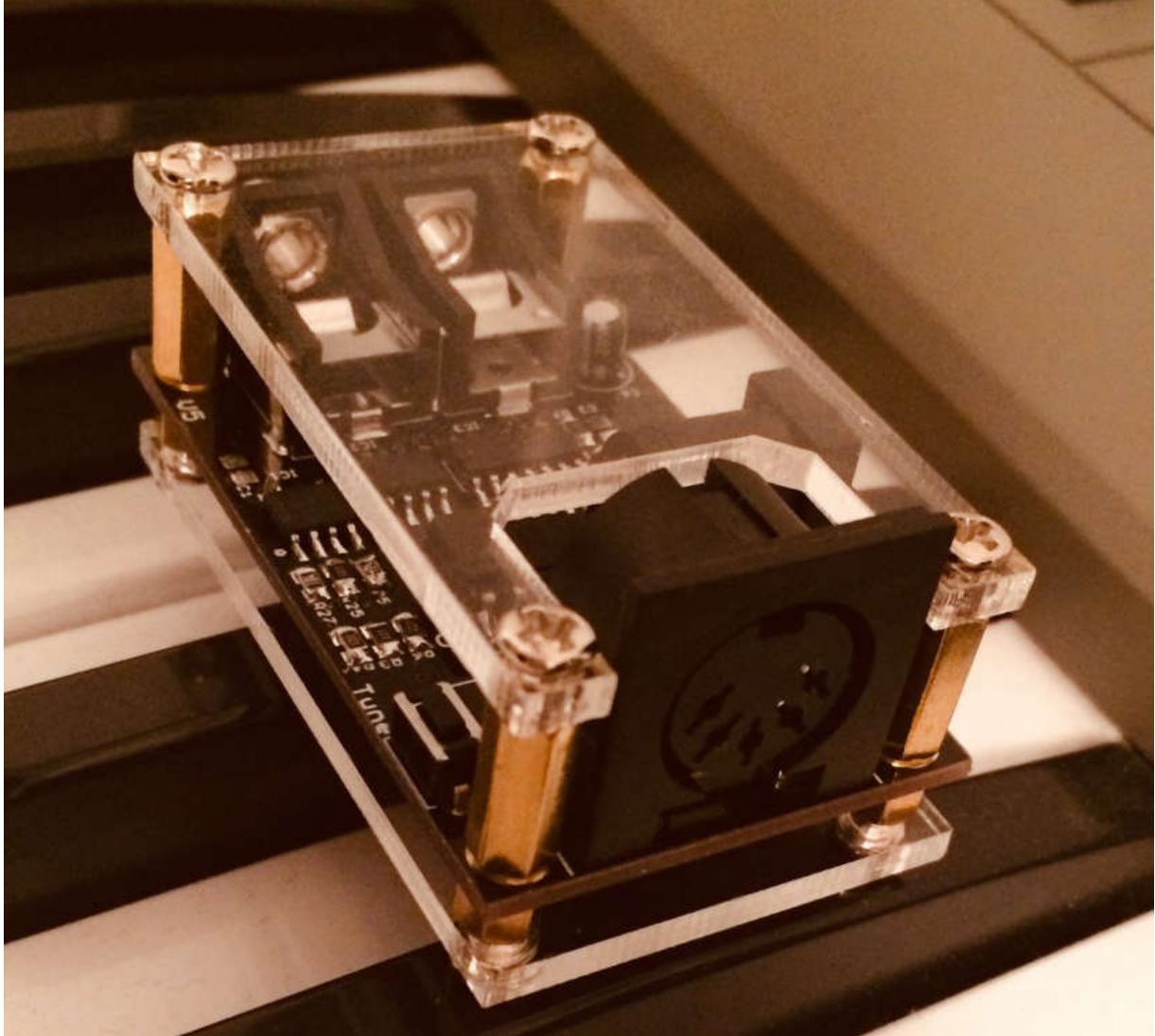


Valpower.cc

product: CV Gate Midi module



technical specifications

- dc input : 9v center negative , at least 150 mA. (most guitar pedal power supply)
- midi in: optocoupled
- Midi output: None
- midi commands : note on , note off
- midi channel : channel 1.
- cv output : 0 to 6v where 1v/Octave

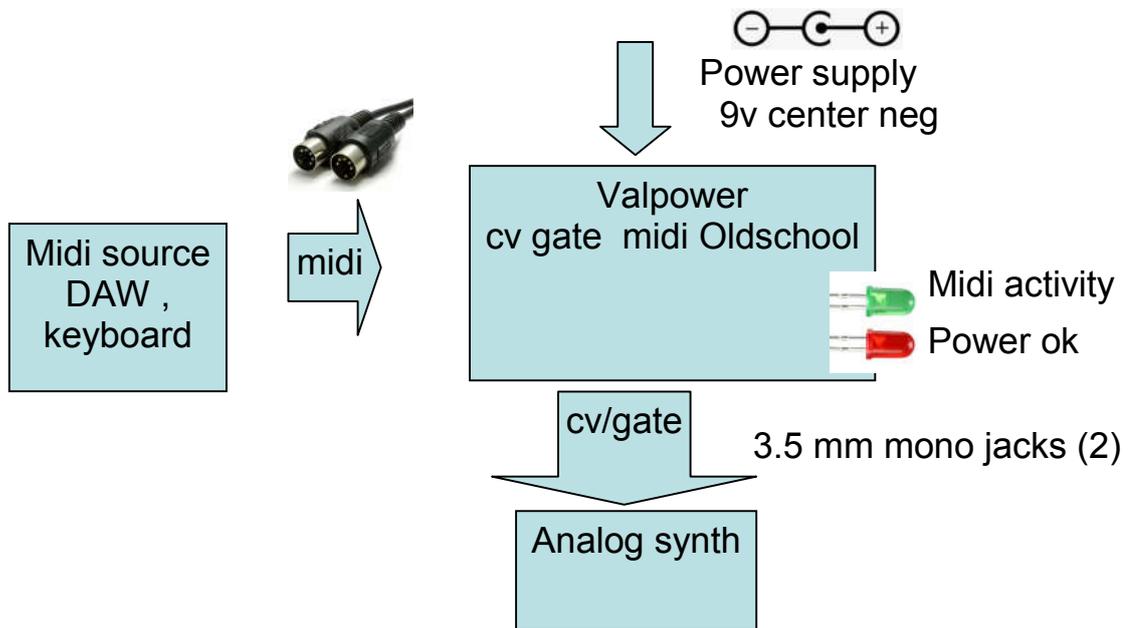
-mounting plexy parts instructions : mount the plexy part as shown on the pictures :)
(to be improved)



connecting instructions

1. turn off your synth
2. connect the cv&gate out of the module to your your synth cv/ gate input
3. use 2 mono 3.5mm jack cables
4. add the power supply connector
5. red led should be on
6. turn on your synth
7. send some midi notes with your computer using a DAW.
8. green led should blink , and notes will be triggered on your synth

General diagram



Frequently asked questions

- Does it work as midi output or cv input?
No midi output is not supported.
cv input is not supported
- can i control the Arp with the gate of module?
Yes/
- Can i change de channel ?
No , its not possible.
- what is the tune button for ?
its a button for calibration.
all units are calibrated in factory with very precise equipment.
Normally you don't need to recalibrate your unit.
see calibration procedure. (UNDER your own risk)

Calibration Procedure

This procedure is not mandatory.

you don need to do this section , you might screw things up.

Use it at your own risk (low support if your unit gets uncalibrated)

- connect your synth to the Midi CV/GATE converter
- connect a midi keyboard/controller (also a computer will work too)
- after turn on the unit , press the tune button , this will get you into tune mode
- For tuning connect your synth audio output to a guitar tuner or smartphone tuner app (you can also use a voltmeter)
- In the case of SH-101 it keys will not work while cv gate is connected, you will use a midi keys to calibrate your synth.(it might be different for other synths)
- we will calibrate note by note , starting from lower note, using a midi keys to move up/down tune up/down , and save at the end.
- calibration keys starts in C3 (middle of the keyboard C)
- Use the key chart to tune each KEY
- Don't forget to save your calibration at the end.
- exit calibration mode by releasing the button
- Procedure is finished , your changes will be kept even after power down the unit.

C	Play current note
D	Play next note (move up)
E	Play previous note (move down)
F	Tune note down
G	Tune note up
A	Tune note down x 10
B	Tune note up x10

A#	Save all
C#	Tune note down - ALL OCTAVES
D#	Tune note up -ALL OCTAVES

Synth Compatibility

SYNTH MODEL	CV OR HZ/V	S-TRIG OR GATE	compatible	note
MINIMOOG	CV	S-TRIG (5V)	yes	
MOOG PRODIGY	CV	S-TRIG (5V)	yes	
MOOG ROGUE	CV	GATE (5V)	yes	
MOOG SOURCE	CV	S-TRIG (5V)	yes	
ROLAND SH-101	CV	GATE (5V)	yes	
ROLAND MC-202	CV	GATE (5V)	yes	
ROLAND TB-303	CV	GATE (5V)	yes	only if has input mod
SEQUENTIAL PRO-1	CV	GATE (15V)	no	
KORG MS-10/20	HZ/V	S-TRIG (5V)	no	
KORG 700S/770	HZ/V	S-TRIG (5V)	no	
KORG MONOPOLY	CV	GATE (15V)	no	or s-trig
YAMAHA CS-10/20/30	HZ/V	S-TRIG (5V)	no	
ARP ODYSSEY (&AXXE)	CV	GATE (15V)	no	
ARP 2600	CV	GATE (15V)	no	
OCTAVE CAT/KITTEN	CV	GATE (15V)	no	
roland sh-09	cv	GATE (15V)		

Note: Most synths are Gate 5v triggered, all units are shipped in this configuration.