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ALL UNLABELED INPUTS AND OUTPUTS HAVE THE SAME FUNCTIONS AS THEIR LABELED COUNTERPARTS.

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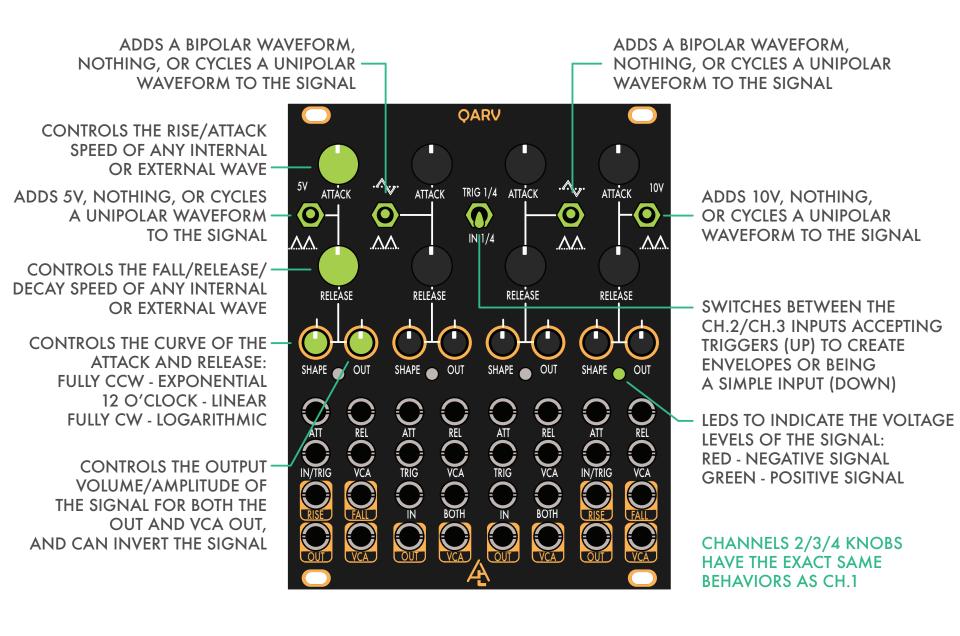
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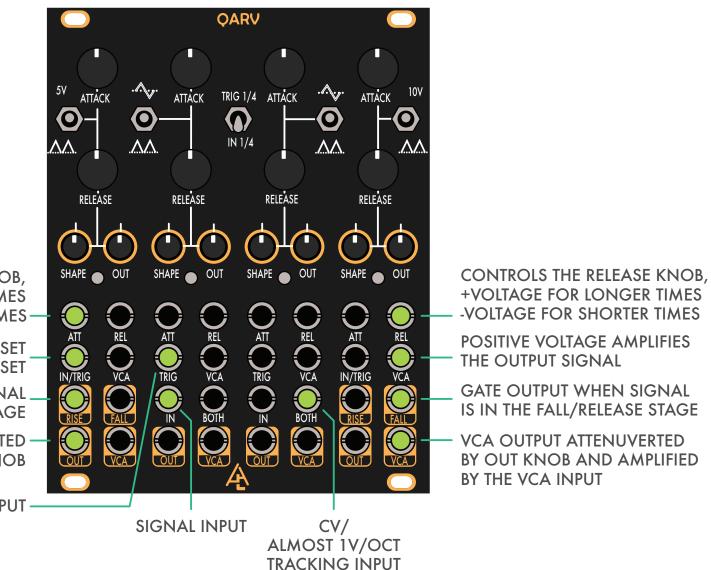
23. 2 VOICE HALF RECTIFIED **RISE/FALL SYNTH**

KNOBS AND SWITCHES



INPUTS AND OUTPUTS

ALL UNLABELED INPUTS AND OUTPUTS HAVE THE SAME FUNCTIONS AS THEIR LABELED COUNTERPARTS.



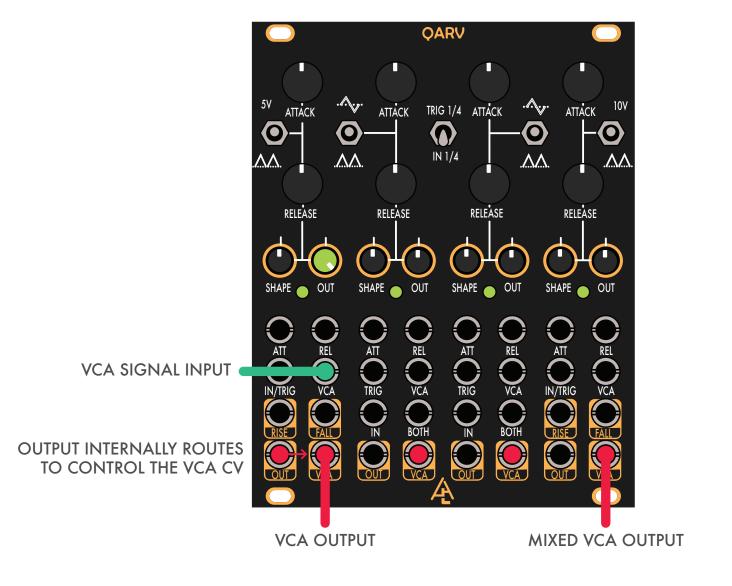
CONTROLS THE ATTACK KNOB, +VOLTAGE FOR LONGER TIMES -VOLTAGE FOR SHORTER TIMES-

SIGNAL IN WITH 1/4 SWITCH SET GATE IN WITH 1/4 SWITCH SET GATE OUTPUT WHEN SIGNAL IS IN THE ATTACK/RISE STAGE

SIGNAL OUTPUT ATTENUVERTED – BY THE OUT KNOB

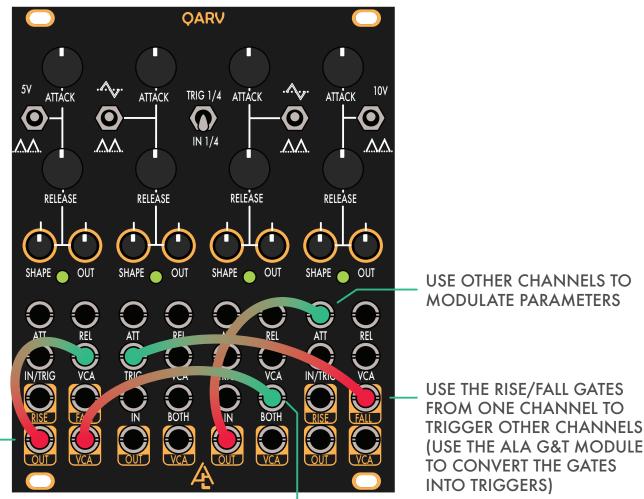
TRIGGER INPUT

EACH VCA OUTPUT NORMALS TO THE NEXT CHANNEL'S VCA WHEN THE PRIOR VCA OUT IS LEFT UNPATCHED. CREATING AN UP TO 4 CHANNEL MIXER.



SELF PATCHING

REMEMBER AND BE AWARE OF ALL THE SELF-PATCHING CAPABILITIES OF QARV.

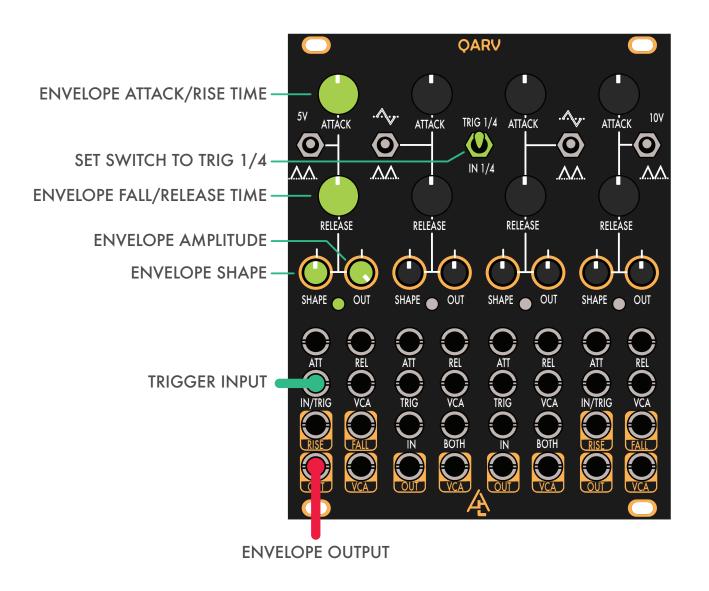


CREATES AN EXPONENTIAL -SIGNAL OUTPUT FROM THE VCA (OUT KNOB CONTROLS VOLUME)

> USE ONE CHANNEL TO CONTROL THE PITCH/FREQUENCY OF ANOTHER WITH THE BOTH INPUT

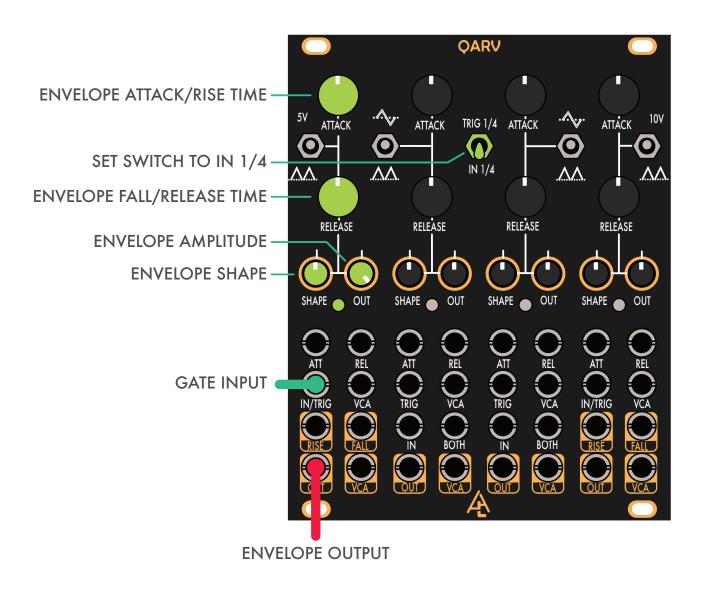
AR ENVELOPE

ANY CHANNEL CAN BE USED. IF CHANNEL 2 OR 3 ARE USED, BE SURE TO PATCH INTO THE TRIG INPUT.



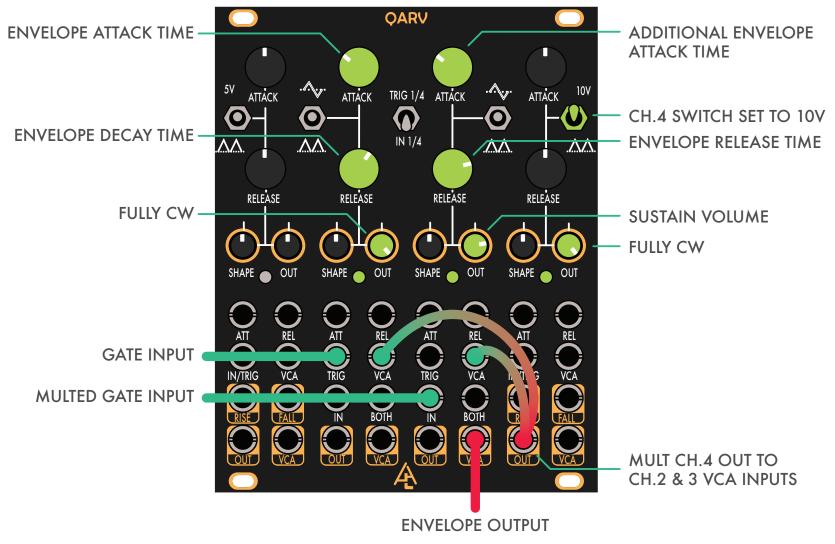
ASR ENVELOPE

ANY CHANNEL CAN BE USED. IF CHANNEL 2 OR 3 ARE USED, BE SURE TO PATCH INTO THE "IN" INPUT.

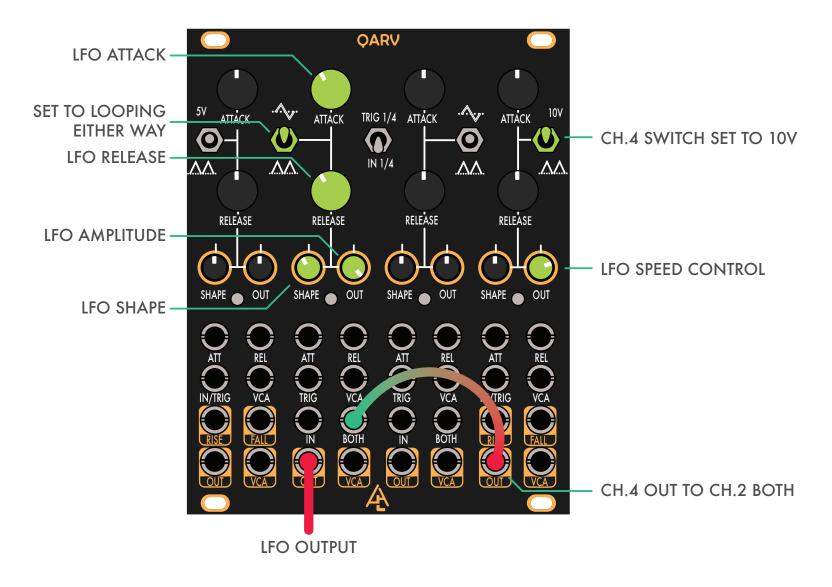


ADSR ENVELOPE

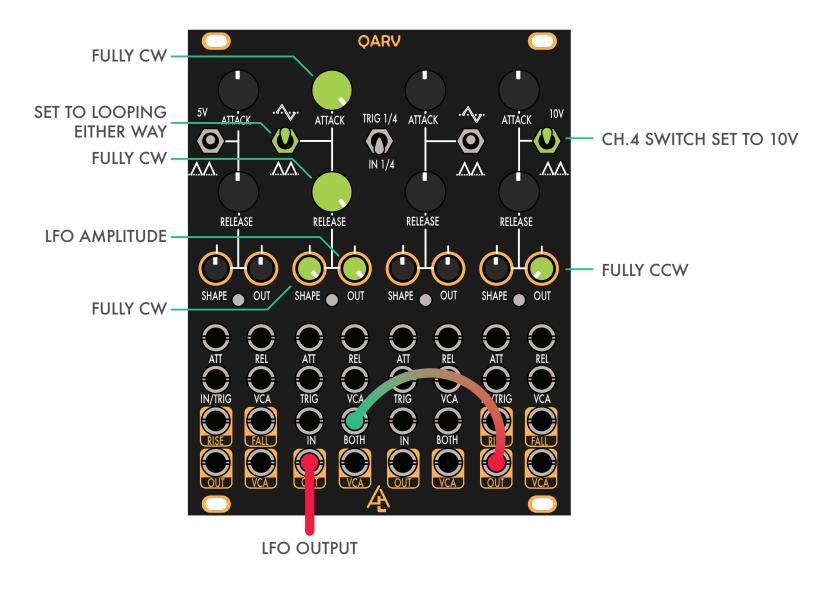
MULTS OR STACKABLE/SPLITTER CABLES ARE NEEDED FOR THIS PATCH. TRY PLAYING AROUND WITH THE TWO ATTACK TIMES AT DIFFERENT AMOUNTS FOR ADDITIONAL MODULATION. ALSO REMEMBER CH.1 IS STILL OPEN.



VOLTAGE CONTROLLED LFO

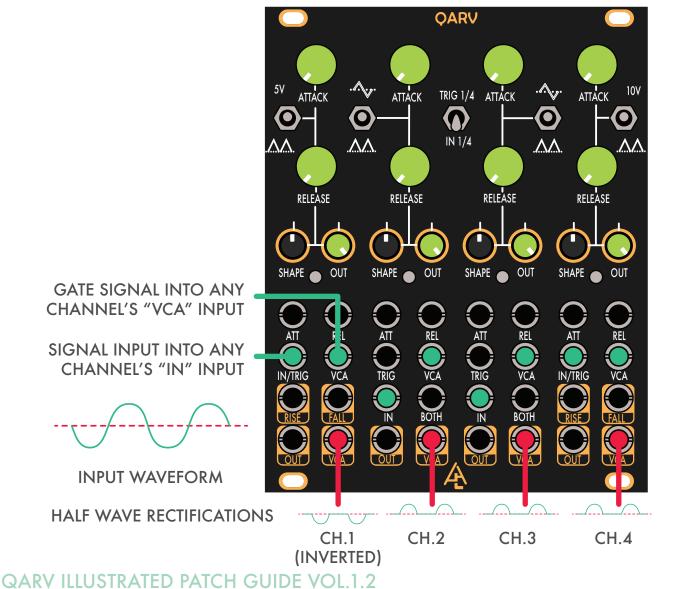


40+ HOUR LONG LFO CYCLE



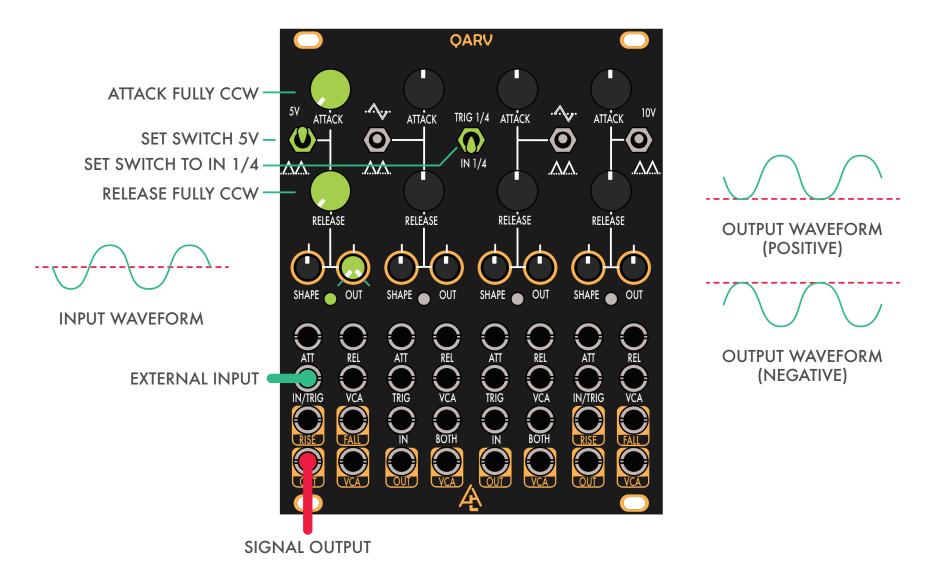
HALF WAVE RECTIFICATION

BY TREATING THE INTERNALLY ROUTED SIGNAL AS THE MAIN SIGNAL AND THE VCA INPUT AS THE GATE, THE VCAS BECOME HALF WAVE RECTIFIERS WHICH ALSO CASCADE MIX DOWN THE VCAS.



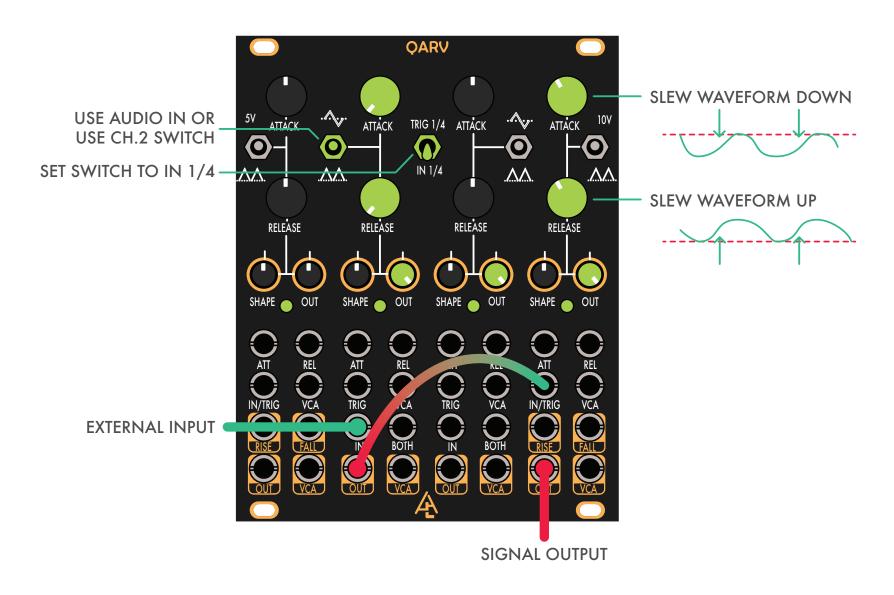
BIPOLAR TO UNIPOLAR WAVEFORM

CHANGE YOUR WAVEFORM FROM BIPOLAR TO UNIPOLAR (POSITIVE) WITH OUT 1FULLY CLOCKWISE. CHANGE IT TO A NEGATIVE UNIPOLAR WAVE WITH OUT 1 FULLY COUNTER-CLOCKWISE.



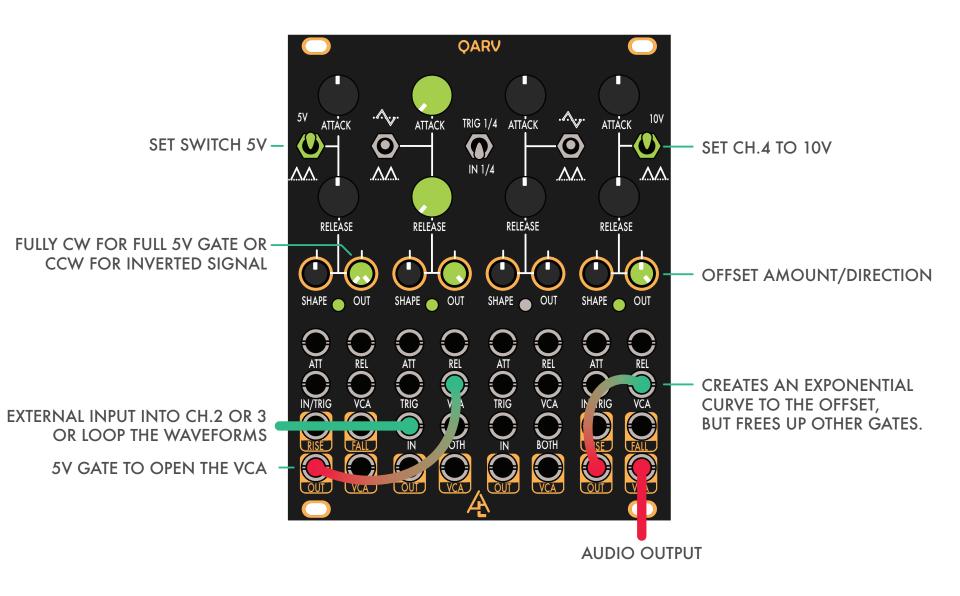
WAVEFORM OFFSETTING WITH SLEW

ALSO INSTEAD OF USING AN EXTERNAL INPUT, YOU CAN CYCLE CHANNEL 1 OR 3 INSTEAD.

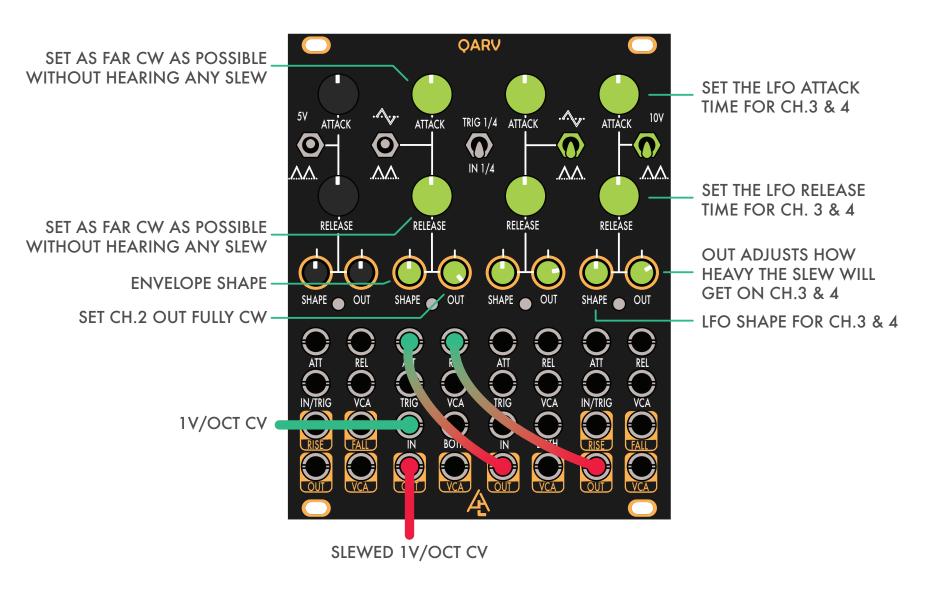


UNIPOLAR CLIPPED OFFSETTING

ALSO INSTEAD OF USING AN EXTERNAL INPUT, YOU CAN CYCLE CHANNEL 2 OR 3 INSTEAD.

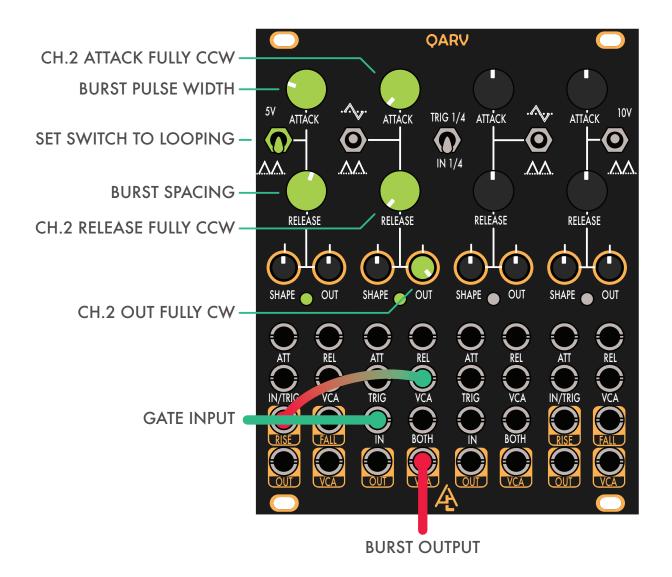


DYNAMIC SLEW



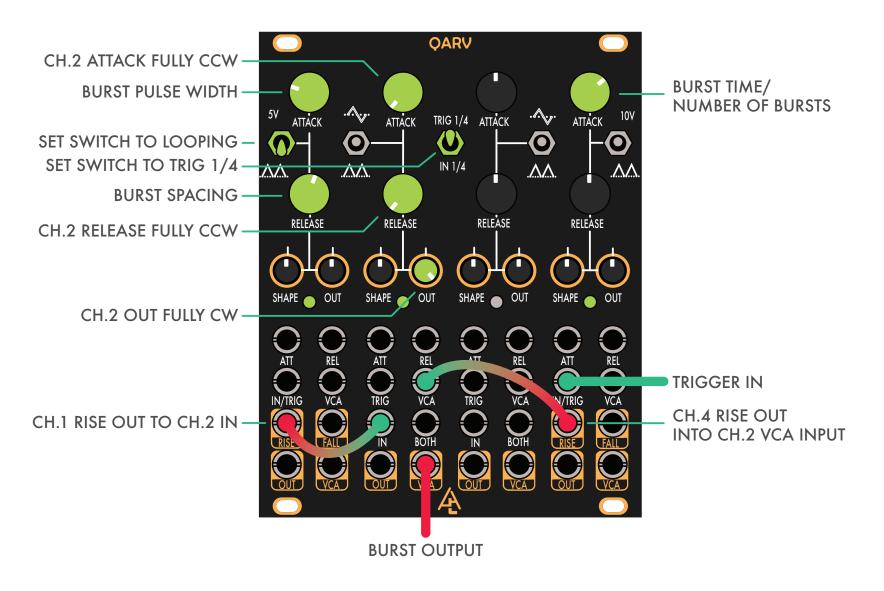
GATED BURST GENERATOR

GENERATES BURST OUTPUTS WHEN RECEIVING A HIGH GATE SIGNAL.



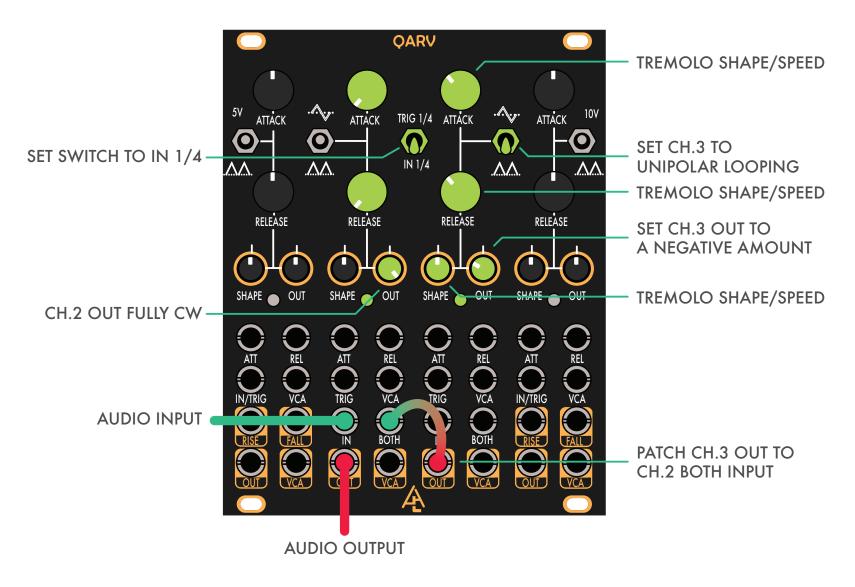
BURST GENERATOR

GENERATES A LENGTH OF BURSTS DETERMINED BY CH.4 ATTACK TIME.



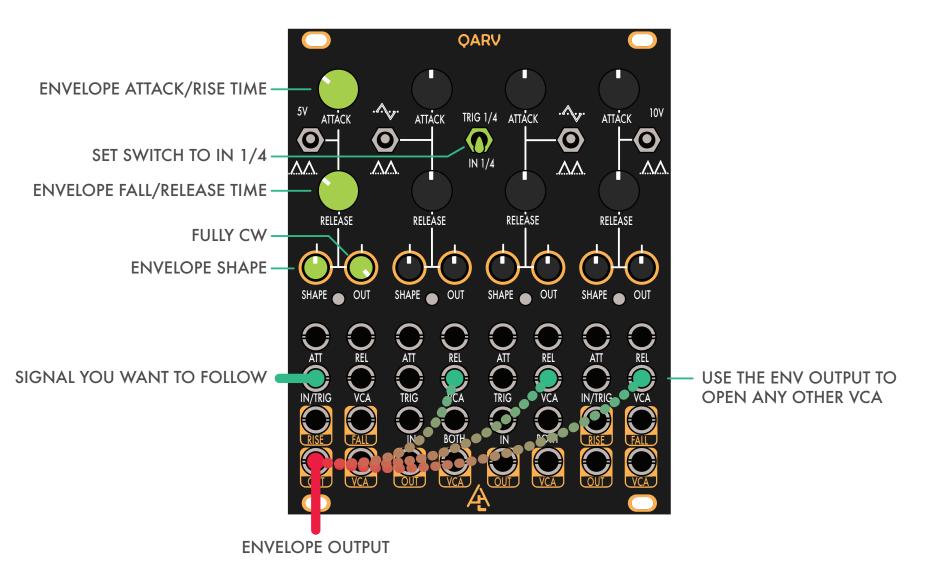
TREMOLO-LIKE EFFECT

THE TREMOLO AFFECTS THE ATTACK/RELEASE TIMES OF THE SIGNAL, GIVING THE AUDIO A SLIGHTLY FILTERED TREMOLO EFFECT.

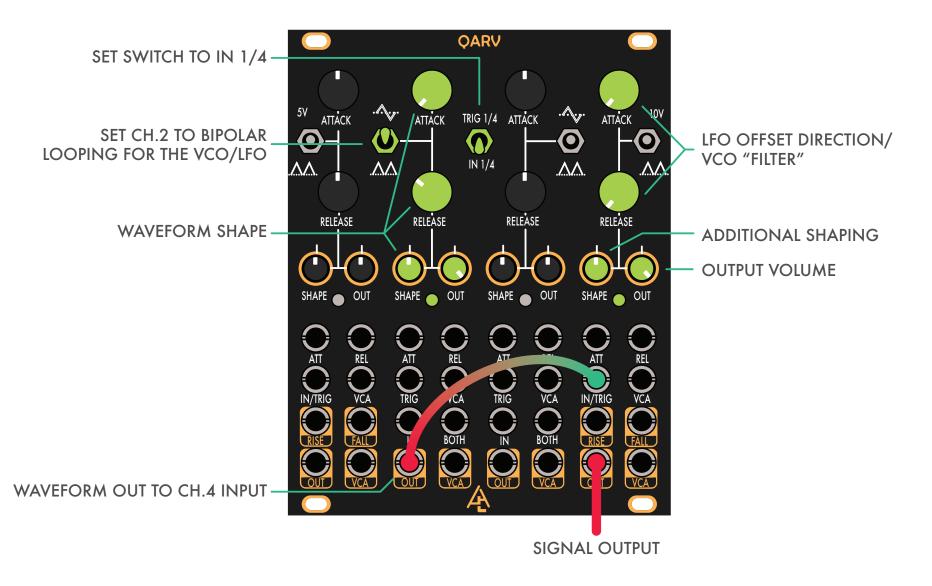


ENVELOPE FOLLOWER

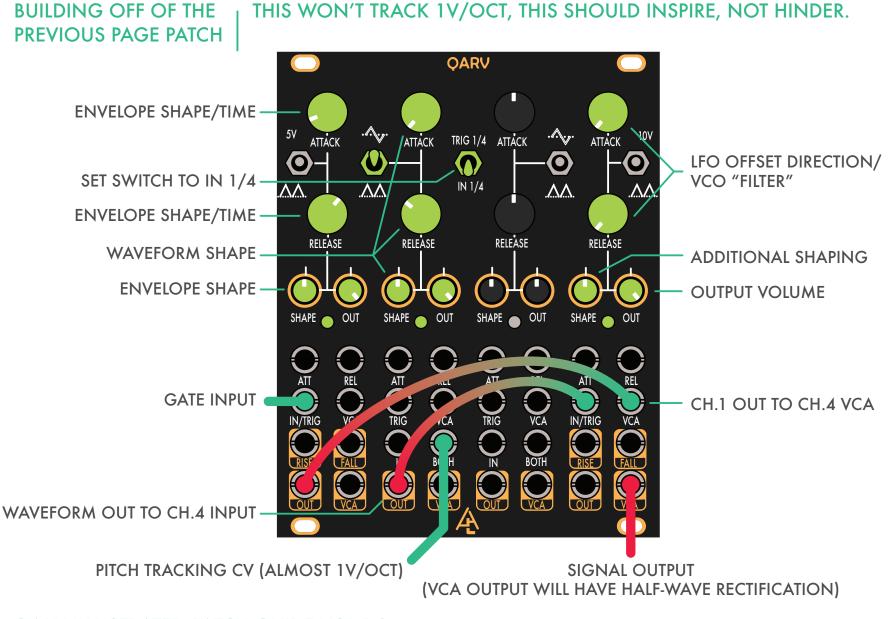
FINE TUNE THE ATTACK AND RELEASE TO GET THE RESPONSE DESIRED. TRY FOLLOWING DRUMS AND SENDING TO THE VCA FOR A VCO.



VCO – PSEUDO FILTER LFO – PSEUDO WAVEFORM OFFSET

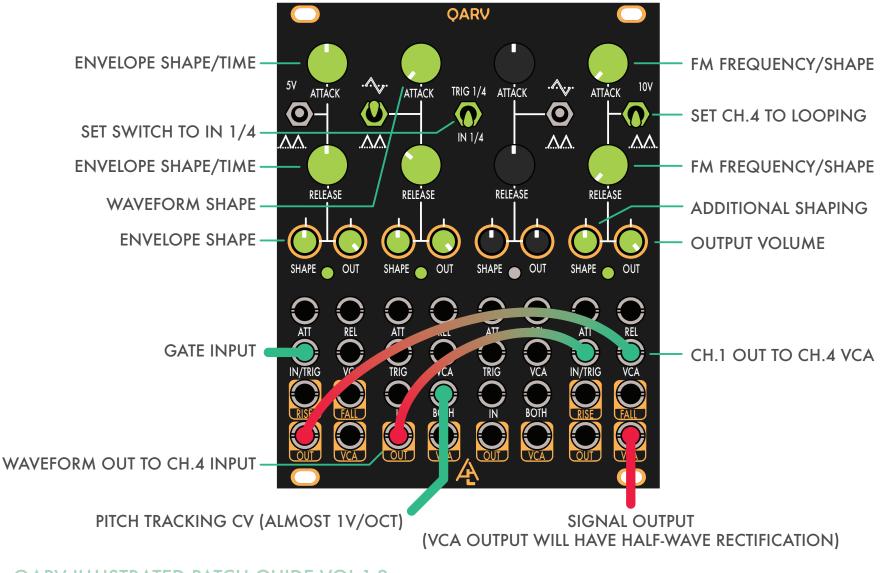


FULL VOICE SYNTH - ADDING AN ENVELOPE GENERATOR & PITCH TRACKING

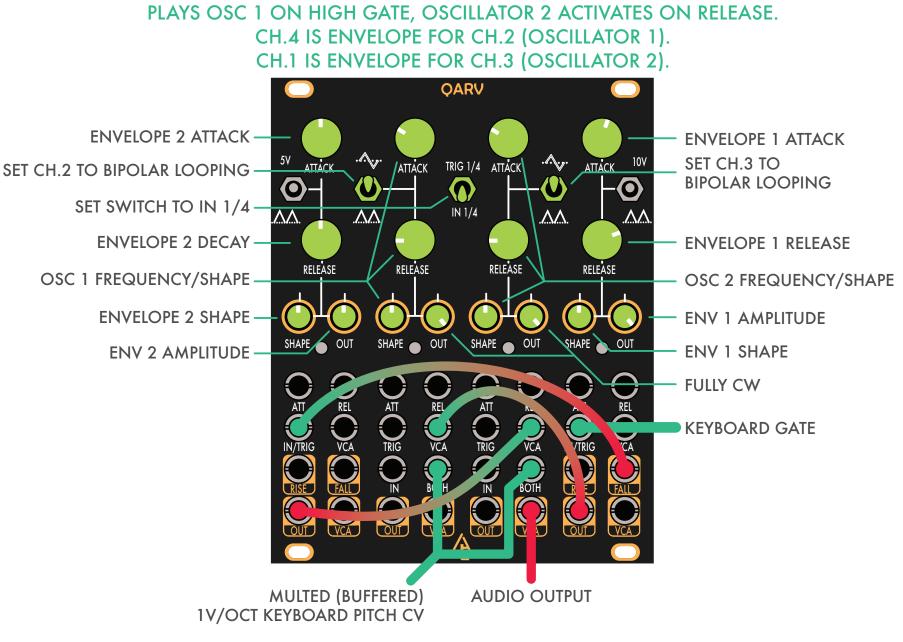


FULL VOICE SYNTH - FM MODULATION

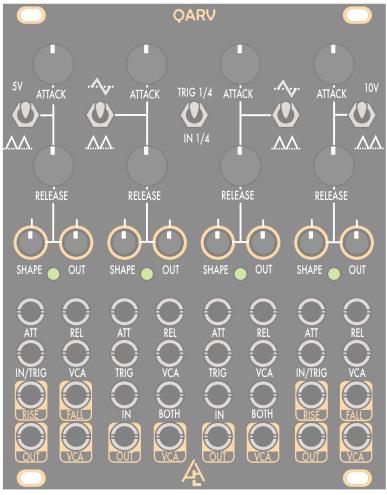
BUILDING OFF OF THE | DON'T FORGET TO USE THE EMPTY CH.3 FOR ADDITIONAL MODULATION. PREVIOUS PAGE PATCH | (BE SURE TO PUT AN UNPATCHED CABLE INTO CH.3 VCA OUT IF UNUSED)



2 VOICE HALF-RECTIFIED RISE/FALL SYNTH







WWW.AFTERLATERAUDIO.COM QARV ILLUSTRATED PATCH GUIDE VOL.1.2



CREATED BY ROBOTS ARE RED YOUTUBE.COM/C/ROBOTSARERED