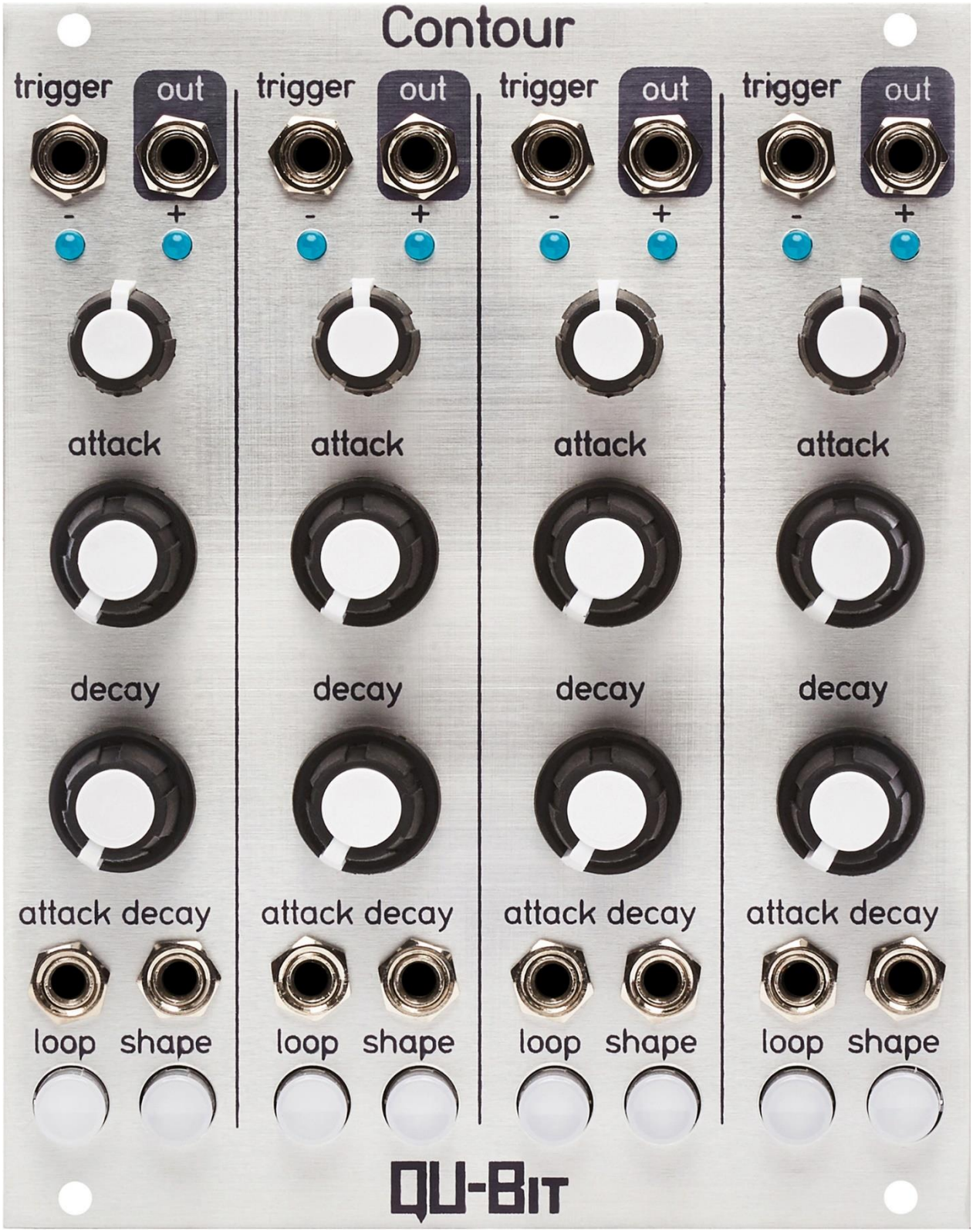
Contour


Contour
trigger
out
-
+
attack
decay
attack decay
loop
shape
QU-BIT

Description

Never run out of envelopes again.

Contour is a quad envelope generator. Each channel has looping, CV over attack and decay, as well as unique chaining capabilities. This makes for the creation of complex modulation patterns with a minimum amount of trigger sources. Cycle times range from 5ms all the way to 20 minutes, providing an extremely wide range. In addition to its full feature set and four channel architecture, the ergonomic interface makes it ideal for performance scenarios.

- CV over attack and decay

- Looping mode

- Linear and exponential shapes

- Unique chaining capabilities

- Wide range from 5ms to 20 minutes

Table of Contents

Installation

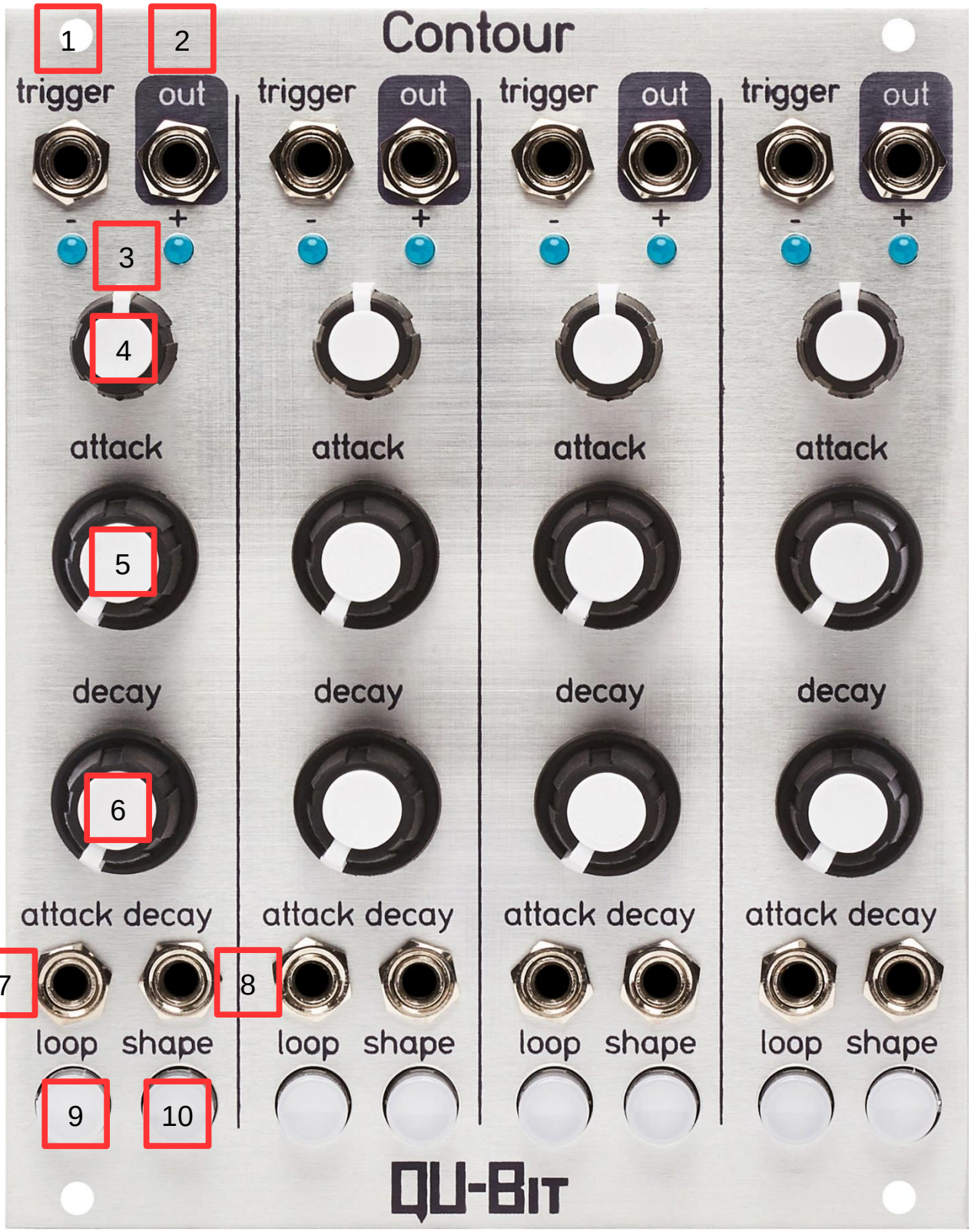
To install, locate 20 HP of space in your Eurorack case and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most systems, the negative 12 volt supply line is at the bottom.
The power cable should be connected to the Contour with the red band facing the bottom of the module.

Specifications

Format: 20 HP Eurorack module

Depth: 23mm (Skiff Friendly)

Max Current: +12V = 72mA
-12V = 29mA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attack
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6
attack decay
attack decay
attack decay
attack decay
7
8
loop
shape
loop
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shape
loop
shape
9
10
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General Functions Overview

1. Trigger:
Trigger/gate input

An envelope will emit from *Out* when a trigger or gate signal is received by the *Trigger* input

If the envelope is set to *Loop*, the phase of the envelope will reset when a trigger or gate signal is received by the *Trigger* input

Threshold: 0.4V

2. Out:
Envelope output

Range: ±10V

3. Polarity LEDs:
Indication of the phase, amplitude, and polarity of the envelope

If the negative LED is illuminated, *Out* will emit negative voltage
If the positive LED is illuminated, *Out* will emit positive voltage

4. Attenuverter:
Attenuation and inversion control of the envelope

If the knob is far left, envelopes will have an output range of 0V to -10V
If the knob is far right, envelopes will have an output range of 0V to +10V

5. Attack:
Sets the attack time of the envelope

If the knob is far left, the attack time will be set to its minimum value
If the knob is far right, the attack time will be set to its maximum value

6. Decay:
Sets the decay time of the envelope

If the knob is far left, the decay time will be set to its minimum value
If the knob is far right, the decay time will be set to its maximum value

7. Attack CV:
Control voltage input for the attack time of the envelope

Range: ±5V

8. Decay CV:
Control voltage input for the decay time of the envelope

Range: ±5V

9. Loop:
Button that disables or enables looping
When enabled, the end of the decay stage triggers the attack stage, creating a constantly running envelope

If the button is illuminated, looping will be enabled
If the button is unilluminated, looping will be disabled

10. Shape:
Button that when pressed, will switch the response curve of the envelope between linear and exponential shapes

If the button is unilluminated, the response curve of the envelope will be set to linear
If the button is illuminated, the response curve of the envelope will be set to exponential

Controls 1-10 are replicated on channels 2-4

Cycle times range from 5ms to 20 min

Linking Envelopes

Each channel of the Contour can be linked to any other channel, where the primary channel will internally trigger the secondary channel.
The primary channel can trigger the secondary channel at the end of its attack stage or the end of its decay stage.

Press and hold the *Loop* button of the desired primary channel for 3 seconds.
All *Loop* and *Shape* buttons will illuminate.
Upon release, the primary channel's *Loop* button will remain illuminated while the other three *Loop* buttons blink.
Press the blinking *Loop* button of the desired secondary channel to select.
Once the secondary channel has been selected, the corresponding *Loop* button will also illuminate.
To select a different secondary channel, press any of the other blinking *Loop* buttons.
Any two channels can be linked at a time.

Press the primary channel's *Shape* button to switch between *End of Attack* triggering or *End of Decay* triggering.

If the *Shape* button is unilluminated, triggering will be set to *End of Attack*.
If the *Shape* button is illuminated, triggering will be set to *End of Decay*.

To exit, press the illuminated primary *Loop* button.

Linked envelopes and internal trigger settings will be saved in between power cycles.

Switching Envelopes Types

Each channel of the Contour can be set to either AD (Attack/Decay) envelopes or ASR (Attack/Sustain/Release) envelopes.

To switch between AD and ASR envelope types, press and hold any of the *Shape* buttons for 3 seconds.
All *Shape* buttons will illuminate.
Upon release, all *Shape* buttons will blink.
Press the corresponding *Shape* button of the desired channel to switch between AD envelopes or ASR envelopes.

If the corresponding channel's *Shape* button is blinking, envelopes are set to AD.
If the corresponding channel's *Shape* button is illuminated, envelopes are set to ASR.

Once each channel has been set to the desired envelope type, press and hold any of the *Shape* buttons for 3 seconds to exit and return to normal functionality.

It is important to note that when ASR envelopes are set to *Loop*, they will behave like AD envelopes until a trigger or gate signal is received at the *Trigger* input.

All envelopes types will be saved in between power cycles.

Factory Reset

A factory reset will set all channels to linear AD envelopes, disable looping on all channels, unlink all channels, and set all internal triggering to *End of Attack.*
To do a factory reset on the Contour, press and hold the center-most buttons (Channel 2 *Shape* button and Channel 3 *Loop* button) during power up. All *Loop* and *Shape* buttons will illuminate and then blink three times, indicating that the factory reset has completed.