



INTRODUCTION:

BD-Z is a versatile kick drum module for Eurorack system focus to design a wide range of bass drum percussive sounds.

The implementation of thru-zero FM/PM BD-Z can deliver an immense variety of textures and harmonics, it has an amount of control over the modulation input to preserve the primary kick drum sound or not.

Additionally the implementation of amplitude modulation to the sound core can add harmonics from the modulation source to be able to shape the sound, transform it, morph it into many other drums sounds like bongos, congas, etc.

Attention carefully was considered to maintain the signal gain always punchy so when the amplitude decay or the distortion is fully open it won't get out of control.

The distortion can deliver more abrasive tones, it has a dedicated accent like the vintage style drum machines to add dynamics to the rhythms.

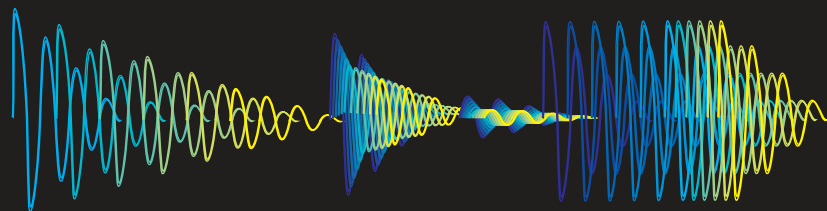
Features two amplitude envelopes out to control other utilities with the shape of the signal.

BD-Z is a powerful Kick drum module with many modulation possibilities.

INSTALLATION:

- * Disconnect your synth from the power source.
- * Double check polarity from the ribbon cable, unfortunately if you damage the module by powering in the wrong direction it will not be covered by the warranty.
- * After connecting the module check again you have connected the right way, the red line must be on the -12V





INSTRUCTIONS

- | | |
|--|---------------------------------------|
| A Trigger input | N Pitch envelope LED |
| B Amplitude envelope + out | O Amplitude envelope decay pot |
| C Amplitude envelope - out | P Pitch envelope decay pot |
| D Signal output | Q Pitch envelope decay amount |
| E Trigger accent input | R Thru-Zero modulation amount |
| F Thru-Zero modulation input | S Amplitude modulation amount |
| G Amplitude modulation input | T Distortion modulation amount |
| H Clipping distortion CV input | U Level / Accent amount |
| I Manual trigger push button | V Fine Tune pot |
| J Amplitude envelope decay CV | |
| K Pitch envelope decay CV input | |
| L V/OCT input | |
| M Amplitude envelope LED | |



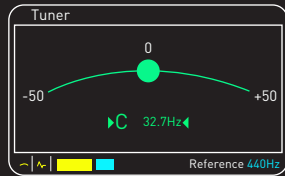
CALIBRATION:

Set all pots to minimum except Decay pot to maximum.

Connect the CV out from your sequencer to V/OCT input, send triggers to Trig input, send the Output to your DAW.

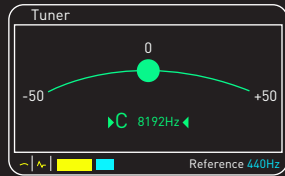
In your DAW open tuner VST to monitor notes.

Send C1 from your sequencer, in your DAW monitor the output while turning the multiturn trimmer to read C1.



DAW

Send C9 from your sequencer, monitor your DAW to read C9 while turning the multiturn trimmer to read C9.



DAW

Send C1 again from your sequencer, monitor your DAW to read C1 while tuning the multiturn trimmer marked C1.

Repeat the process as much as needed until you finish adjusting.

Unplug the cable from the V/OCT input, turn the C1 trimmer to adjust the desired lowest oscillator frequency.

