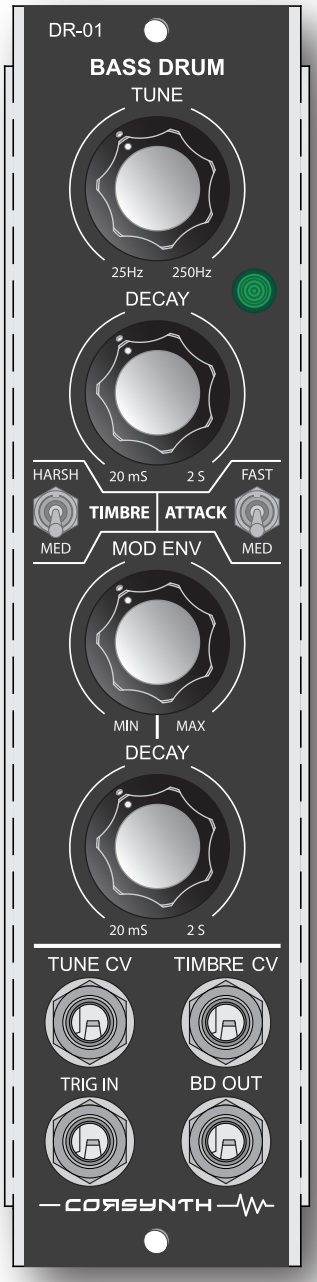
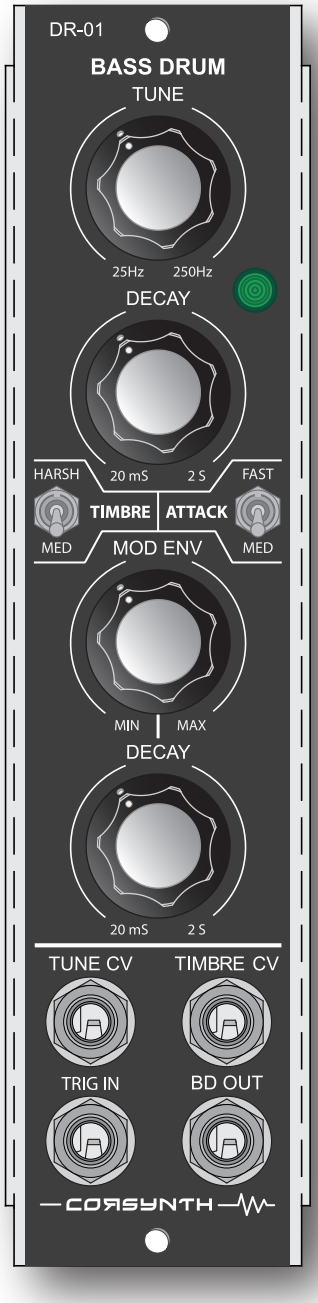
CORSYNTH

DR-01 BASS DRUM



USER MANUAL

DR-01 BASS DRUM



The DR-01 is the first of a new series of Corsynth modules dedicated to analog drum synthesis and it's also the first module of this kind commercially available in MU format.
Create a drum sounds from scratch using a modular synthesizer is always time and resourcing consuming. With the DR-01 you will save a lot of space, money and modules that can be used for other purposes. The DR-01 has all you need to create bass drums , toms a many other percussive sounds in just one single space. And thanks to the Tune CV input is even possible to use the DR-01 to create bass lines.

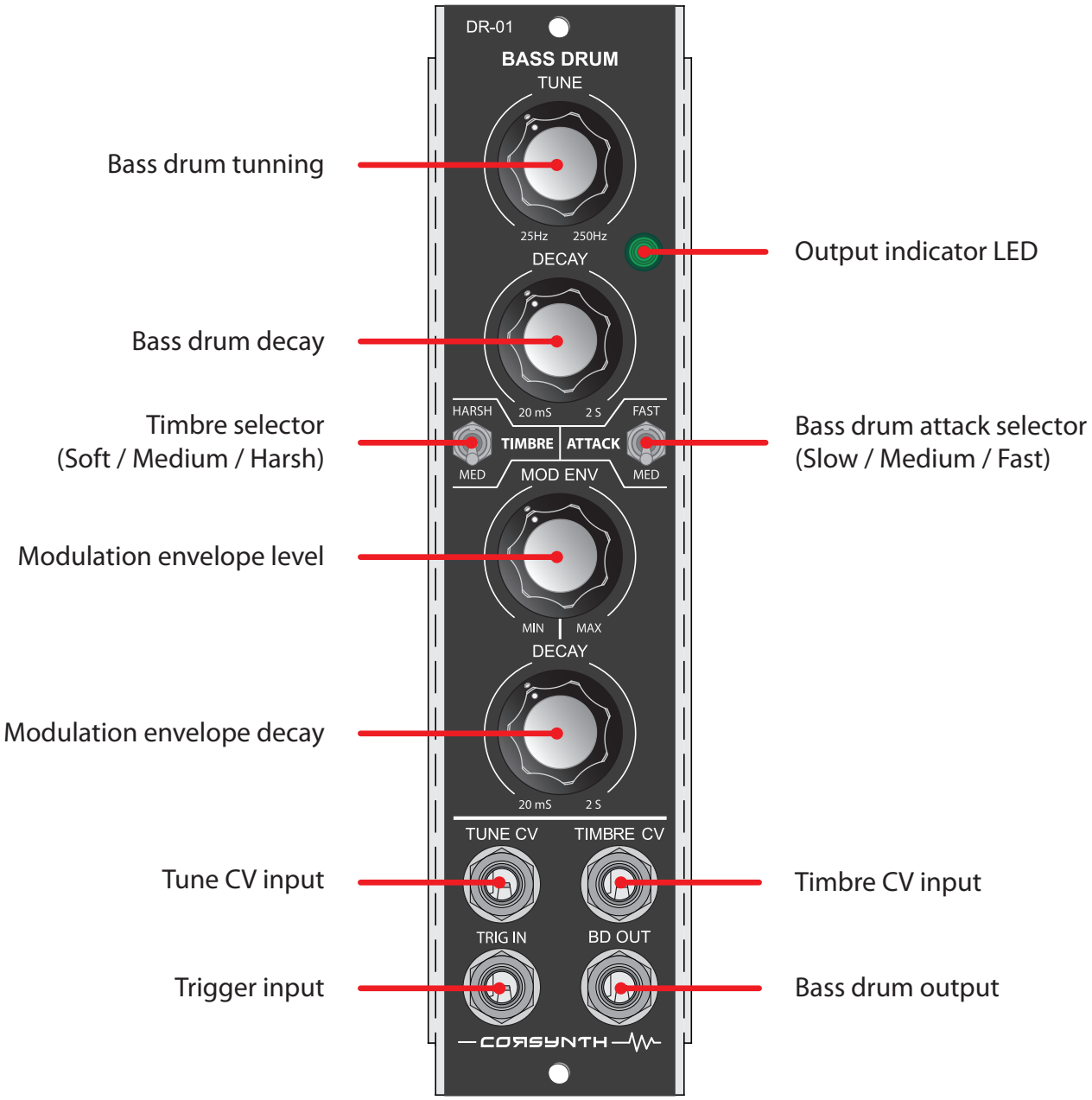
Punchy techno drums, industrial drums, drums of the firsts analog drum machines, FM sounds... With the DR-01 is really easy to get the sounds that you need at every moment. All the parameters in the module have been carefully chosen to be used in a drum synthesis context (envelope times, oscillator frequencies, oscillator waveform etc).

These are the DR-01 main features :

- A voltage controlled oscillator with dedicated CV input for tuning.
- A voltage controlled timbre circuit.
- A dedicated tune modulation envelope.
-An amplitude envelope with three different settings for the attack time.

It's time to add drum sounds to your synth sequences! .

DR-01 Bass Drum
Front Panel

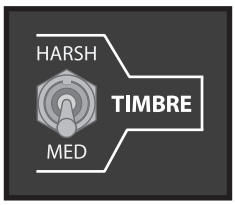


CONTROL DESCRIPTION

TUNE
This potentiometer sets the fundamental frequency of the bass drum. The minimum frequency is 25Hz and the maximum 250Hz

DECAY
This potentiometer sets the decay time of the bass drum. It goes from 20 milliseconds up to 2 seconds.

TIMBRE
This switch selects the base timbre of the bass drum. The timbre can be also modulated using the Timbre CV input.



SOFT (middle position): The output wave is a rounded triangle wave with low harmonic content.

MEDium : The output wave is something between a triangle and a square wave. Medium harmonic content.

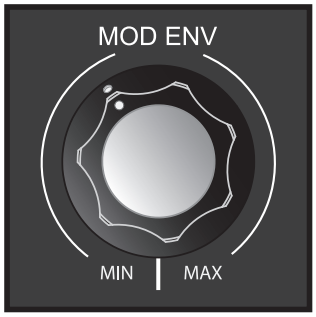
HARSH : The output wave is almost a square wave with high harmonic content. It creates a distorted and harsh sounded bass drum

ATTACK
This switch selects how fast is the attack of the bass drum. This allows to create soft or punchy drum sounds.

SLOW (middle position) : 2 ms

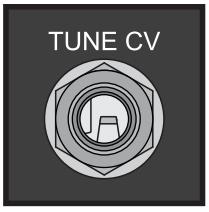
MEDium : 1.2 ms

FAST : 0.7 ms



MOD ENV
This potentiometer sets the amount of modulation envelope that affects the bass drum fundamental frequency.

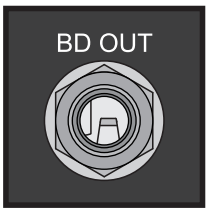
DECAY
This potentiometer sets the decay of the modulation envelope. It goes from 20 milliseconds up to 2 seconds.



TUNE CV
This input allows to modulate the bass drum fundamental frequency. It has a response of approximately 1V/ Oct

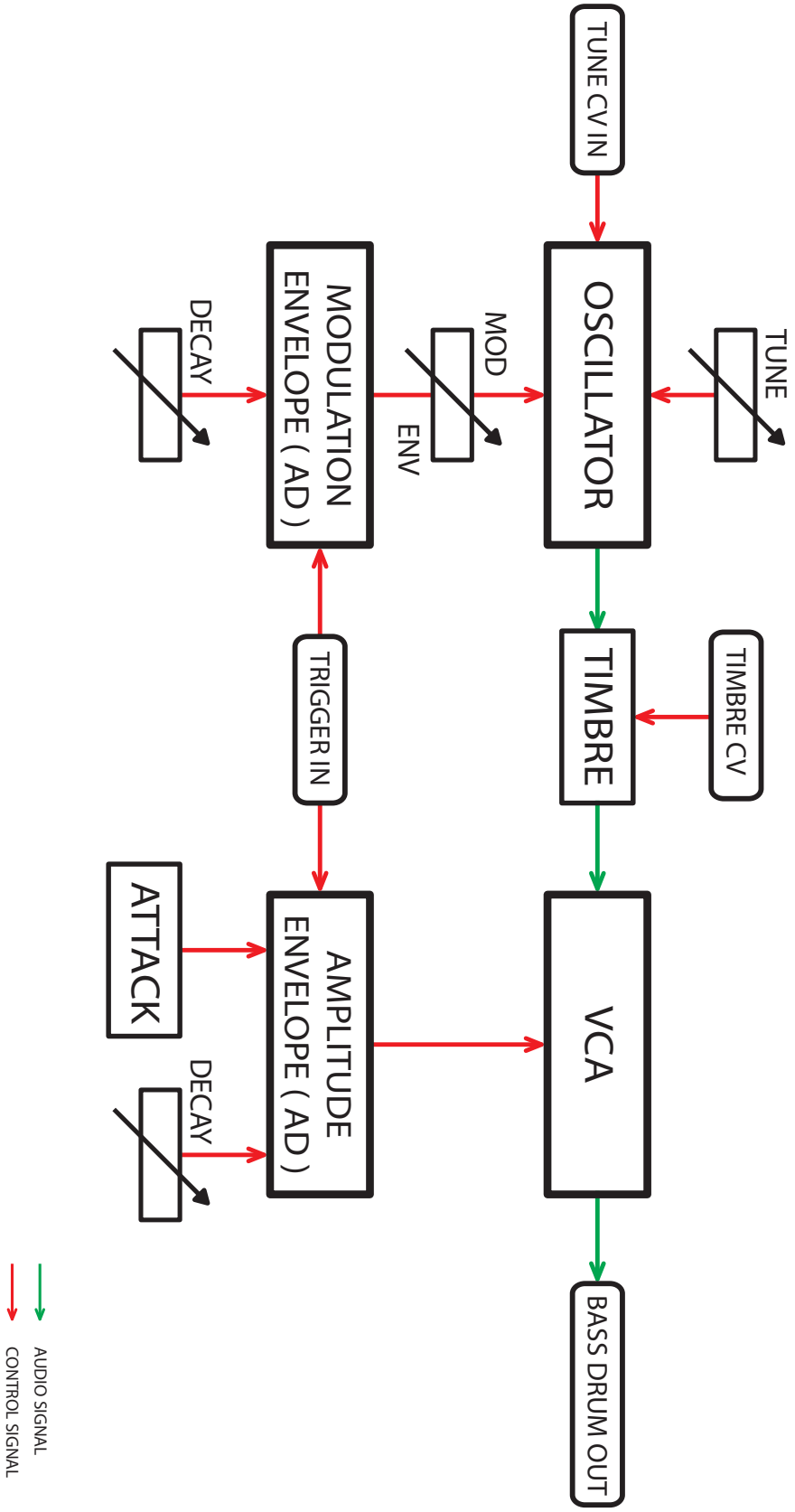
TRIG IN
This input is used to trigger the bass drum. Any signal with a positive voltage higher that 3.5V can be used.

TIMBRE CV
This inputs allows to modulate the timbre of the bass drum.



BD OUT
Bass drum ouput

DR-01 BASS DRUM BLOCK DIAGRAM



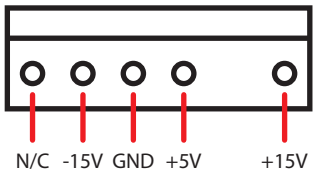
Trimmers and power connectors

IMPORTANT !!!!

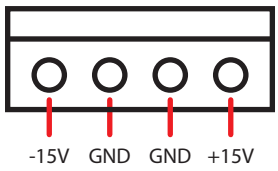
This module has two power connectors (Synthesizers.com and MOTM). Only one is needed to power the module. (Synthesizers.com or MOTM).

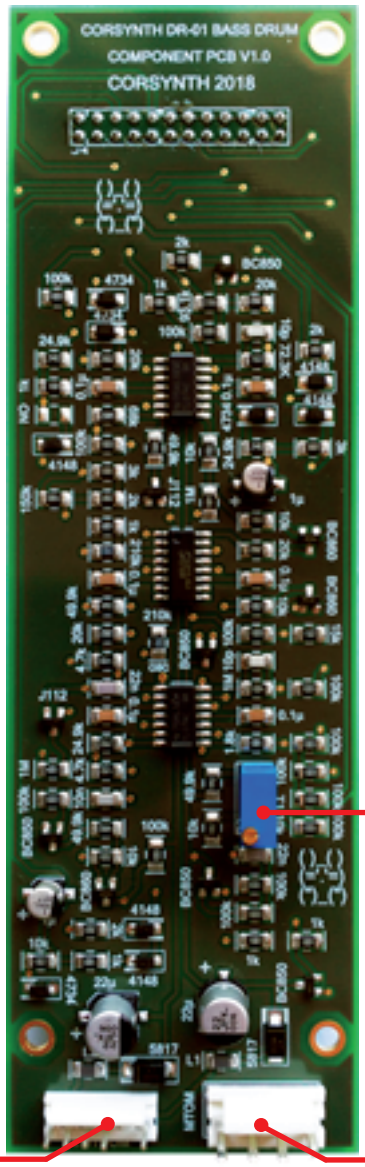
Never connect both at the same time.

Synthesizers.com



MOTM





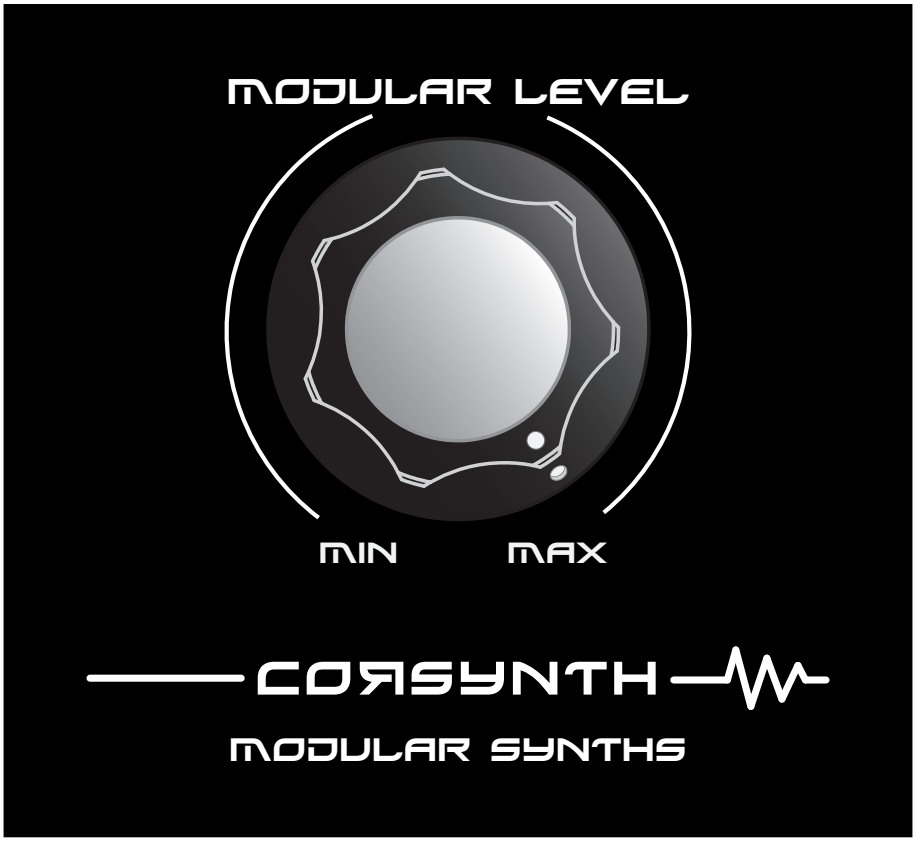
Initial frequency

Synthesizers.com power connector

MOTM power connector

TECHNICAL DATA

Module Format : 5U, MU format (Synthesizers.com, Moog)
Module Width : 1 MU (Moog unit)
Module Depth : 52 mm (2,05 inches)
Power : +15V@18mA , -15V@18mA
Power connectors : Synthesizers.com , MOTM (4 pin)


MODULAR LEVEL
MIN
MAX
CORSYNTH
MODULAR SYNTHS