

DROID-3

ROBOTIC SOUND MODULE



at your command...

How do I make that familiar **robotic chit-chat**?

How can I create **punchy zaps** and **blasting laser-shots**?

How do I get endless varieties of **computer and arcade machine effects**?

DROID-3 is the answer to those questions. With over 300 preset sounds and easy integration with your MIDI sequencer, you will be surprised by the possibilities of this one-of-a-kind electronic monster!



Rough and digital

DROID-3 is known for its roughness, its punch and its crazy effects. In the heart of the unit lies a synth engine running 8 bit at 10 kHz. This digital core will produce sounds that are characteristic, synthetic and unmistakably robotic.

Unique oscillators

DROID-3 is built around two flexible and independent oscillators. These can generate all the known waveforms within the analogue synthesizer realm as well as a wealth of hard-core digital effects.



Distortion modes

Wave-overloading is an integrated part of DROID-3 and there are several ways of distorting an oscillator. That way you can create lots and lots of new waveforms. By modulating the oscillator's offset you will be able to animate your sound in unimaginable ways. As this feature is totally unique you will need a DROID-3 to experience that sound.



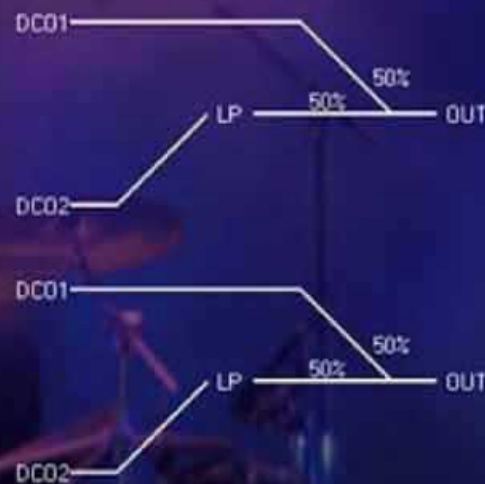
Triangle filters

The filter algorithm can function as a single filter or two separate ones. It can operate in both Notch mode, High-, Low- and Band-pass mode. A DROID-3 filter is not of the regular type. Any waveform that passes through its Low-pass filter will assimilate a triangle as the cut-off value decreases. We call them Triangle Filters.

Flexible routing

The routing within DROID-3 is not static or locked but can be changed freely for the needs of each sound.

You decide, for instance, whether they should go through one filter or two individual filters (one for each oscillators) or whether one or both oscillators should simply bypass the filter.



The routing structure even allows for boosting the waveforms as they are mixed together. This will often result in overdrive making the output extra crisp and dirty.

Matrix modulation

For endless modulation possibilities most of DROID-3's parameters can be controlled by a range of internal sources or external MIDI controllers. This form of interconnection makes it possible to let almost any parameter be controlled by any source. You can e.g. let velocity control the pulse width and have an oscillator control the filter cut-off frequency or even the waveform number simultaneously in real-time. That was the way of many of the first synthesizers and that is the way of DROID-3.



Advanced features

With extraordinary features such as arpeggio (a blazingly fast kind of loop sequencer), oscillator synchronization, envelope loop, wide tuning pitch mode and step amount (envelope/oscillator resolution), DROID-3 is the perfect choice for those who want to add something digital - something different and unique to their productions.



Specifications

Software

• Output

Mode 1: 10500 Hz, 8 bit, S/N ~ 80 dB average (when LEDs are disabled)

Mode 2: 13300 Hz, 8 bit, S/N ~ 80 dB average (DCO 2 output, envelopes, filter and LEDs disabled)

• 2 monophonic DCOs

Waveforms: Saw up, saw down, square (0-100% pulse width), tri, noise, S&H noise, digital or silent

4 overload modes (for each DCO)

Retrig on/off (for each DCO)

Key follow on/off (for each DCO)

Sync slave mode for DCO 1

• 2 envelopes

Offset, attack, attack level, decay, sustain level and release

Legato mode

Loop mode: Envelope 1 = retrig LFO w/ fade in, envelope 2 = LFO/free run

• Filter

Mode 1: Low, high, band pass or band rejection - all w/ input boost option

Mode 2: High or/and low pass

• Matrix modulation

16 sources:

Envelope 1

Envelope 2

DCO 1

DCO 2

Pitch bend

Pitch bend downscaled

Modulation

Velocity

Gate

Velocity gate

Channel pressure

Key follow

Key follow upscaled

Hold pedal

Expression pedal

Breath control

15 destinations:

Arpeggio speed

DCO 1 amplitude

DCO 1 pitch

DCO 1 waveform

DCO 1 pulse width

DCO 1 offset

DCO 2 amplitude

DCO 2 pitch

DCO 2 waveform

DCO 2 pulse width

DCO 2 offset

Envelope 1 offset

Envelope 2 offset

Filter cutoff

Filter width (or cutoff2)

• Arpeggio

4-note buffer (0.44-56.3 Hz)

• Step mode

Decreases Envelope 2 and DCO2 output resolution 0-7 bits

Hardware

• Top

Three LEDs: Output (red), MIDI input (green), DCO2 rate (yellow)

LCD: Dot matrix, 16 characters, 2 lines, backlit

Two Enter and two Escape buttons

Dial

• Rear

DC connector 9 V (+/- or -/+)

Line output jack (mono)

MIDI in

On/Off switch

• Bottom

LCD contrast

• Dimensions

12 cm (W) x 12.8 cm (D) x 4.2 (H) cm / 4.7 in (W) x 5 in (D) x 1.65 in

• Weight

545 g / 1.2 lbs

• Power consumption @ 9 V DC

200 mA

Listen to DROID-3 @ [HTTP://WWW.DROID3.COM](http://www.droid3.com)

DEALER'S STAMP