INDSTRLZR

Multi Effect Unit

Thank you for choosing INDSTRLZR!

Ekssperimental Sounds Studio's INDSTRLZR is a multi effect device inspired by Chris Carters legendary Gristleizer effect box which in turn was based on an electronics DIY project designed by Roy Gwinn, published as the 'GEP' (Guitar Effects Pedal) in Practical Electronics magazine (July 1975 issue). The INDSTRLZR features the same principle of an LFO modulating a VCA and a VCF and comes with additional features like programmable LFO shape, Multimode filter, syncing, additional effects and CV and audio modulation input.

FRONT PANEL

INPUT IND. & TRIM

Input indicator, the brighntess is controlled by the input signal. Trim input from -inf (-100%) to +12dB (+100%) Zero dB at 0%.

MODE

VCF: LFO -> Voltage Controlled Filter (VCF) cutoff
VCA: LFO-> Voltage Controlled Amplifier (VCA) level
BOTH: LFO -> VCF cutoff + VCA level

FILTER (VCF)

FREQUENCY: Cutoff Frequency 140 - 7500 Hz
RESONANCE: Boost signal around cutoff point
HP/BP/LP: High Pass, Band Pass, Low Pass selector
HP only pass frequencies above cutoff point, BP will filter out frequencies above and below the cutoff point and LP will pass frequencies below the cutoff point.

LFO (Low Frequency Oscillator)

RATE: Rate of oscillations 0,5 - 50Hz
DEPTH: Amount of modulation being sent to VCF or VCA depending on MODE selction.
SYNC: Rate is synced to the beat
WAVEFORM: Select the shape of the LFO waveform, ramp up, ramp down, triangular, square or PROG. (Custom waveform defined in the Programmer unit)

PROGRAMMER

OUTPUT: Trimming of the wet output signal from -inf (-100%) to +12dB (+100%) Zero dB at 0%.
PAN: Panning of the wet output signal from Left to Right.
MIX: Mix the Dry signal (post input trim) with the Wet signal.
FX1: 2x TRASHERS (Fuzz & Scream models) The trashers have different tonality, 1 is muddier, 2 is brighter.
FX2: Echo and Reverb
LFO: Settings for the LFO, glide will smoothen the SHAPE step transistions, Random will vary the values by random. Reset will restart the LFO when there is a gap of >1sec in the audio signal. (Global meaning it will also affect the fixed waveforms)
SHAPE: Define a custom LFO shape used when LFO is set to PROG. by dragging the steps up or down. The 8 steps represent two cycles.
**PREF:** Preferences; PAN MOD adds LFO modulation to the panning of the signal. AUDIO MOD IN QUALITY set's the quality of the audio modulation casued by AUDIO MOD IN input signal.
AUDIO MOD IN RESO adds resonance to the modulation.
The modulation amount is affected by LFO modulation depth (up to 100% modulation).
VOCODER USE: For full vocoder effect input voice on AUDIO MOD IN and a carrier signal such as a synthesizer on the normal AUDIO IN. Set all the steps of the programmable LFO steps to high (top position) and turn up LFO mod DEPTH.

BACK PANEL
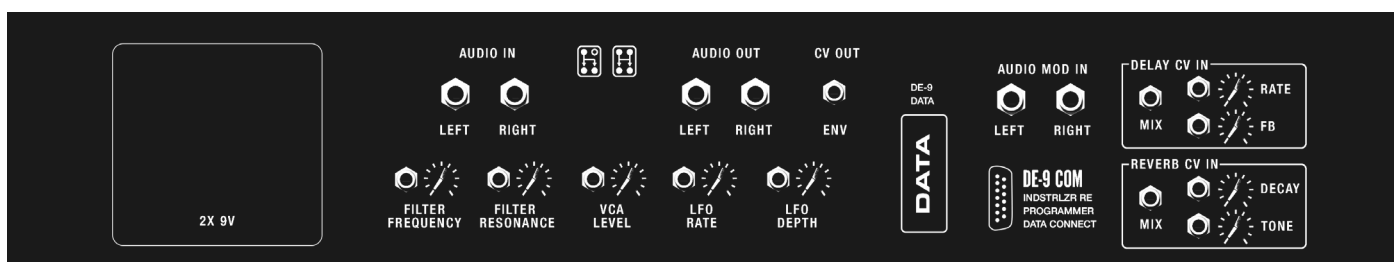
CV INPUTS

Connect CV Signals to controll the corresponding parameters marked next to each jack.

CV OUTPUT

An envelope follower signal can be tapped at this jack. The Envelope follwer is placed after the VCF and VCA so that the modulated signal will be output to CV here.

DATA

Use DE-9 Data connection cable to hook up the programmer. The programmer unit makes it possible to program a custom LFO waveshape, add effects and save your settings.

PROGRAMMER

AUDIO MOD IN: Input mod signal will modulate the audio. It works like a vocoder where the normal AUDIO IN is the carrier and this input is the modulator.

**Thank you for supporting
Ekssperimental Sounds Studio!**

Ekssperimental Sounds Studio is a one
man project driven by the passion for
experimental electronic sounds, new
and old synthesizers and music gear.
As a Reason user since 2001 it truly is
a dream come true to finally be able to
create my own synthesizers and effects
for the Reason rack.
Thanks to all of you who buy my
products I can continue to learn and
develope more fun and inspiring
devices for our beloved rack.

I hope you will enjoy INDSTRLZR!

Cheers,
Erik Söderberg 2021