

ROMFERD

ROMFERD is a versatile modulation/ambience unit. It can conjure resonant metallic atmospheres, act as a thick chorus or add parasitic, distortion-esque flutter with its unique self-modulation function. The new ROMFERD retains the core functionality of the old while making a few changes:

- Toggle switch parameters are replaced with knobs for dynamic parameter adjustment
- The active low pass filter has an internal resonance/Q-factor trimpot
- Higher maximum volume output
- Stronger and more linear modulation

MIX	Signal mix. From 100% clean to 100% processed audio.
VOL	Master volume. From silence to a +16dB boost. Unity gain is around noon.
CYCLE	Sets the delay time of the wet signal from approx. 35 to 80ms. Paired with feedback low CYCLE settings yield metallic, resonant comb filtering. Comb filters accentuate and attenuate frequencies across the audio range in regularly spaced intervals causing some notes go 'dead' while others ring out in resonant, metallic glory. This makes for an interesting ambience effect distinctly different from a regular reverb. At long CYCLE settings the pedal acts as a fast delay.
FEED	Sets the amount of delay regeneration. The active low-pass filter is regenerated for every cycle. Runaway feedback is achieved when FEED is maxed. An internal trimpot adjusts the max feedback setting.
RATE	Sets the vibrato modulation speed from approx 0.5 to 10Hz. The LFO has a pseudo-sine shape. Adding feedback is essential to pronounce the modulation at lower rate settings. Some combinations of RATE and CYCLE cause a resonance-phenomenon where the modulation dips in intensity. This can be remedied by making minor adjustments to the parameters.
SWAY	Sets the depth of the vibrato modulation. The modulation can achieve atonal wobble at higher SWAY and RATE settings.
S.MOD	Sets the depth of self-modulation vibrato. This adds a squirmy, fluttering distortion-esque character to your signal. Unique and oddly musical. The amount of modulation is interactive with your playing dynamics. Adding self-modulation will also interact with the feedback, lowering the runaway feedback threshold.
TONE	Sets the tone/frequency cutoff of an active low pass filter from 1.4kHz to 16kHz. The filter is reapplied for every delay regeneration and does not affect the dry signal. An internal trimpot adjusts the filter resonance/Q-factor. Adding excessive resonance can cause the filter to oscillate.
FOOTSWITCH	Engage or bypass the pedal with relay-based true bypass. The pedal can be momentarily engaged or bypassed by holding down the footswitch longer than 500 ms. When the pedal is bypassed the feedbackloop is muted.

Technical Specs

Input impedance	1 M Ω
Output impedance	~1 k Ω
Power supply	9 VDC center negative (Normal Boss/Ibanez/1Spot power supply)
Current draw	60 mA
Dimensions	120 mm x 94 mm x 55 mm
Weight	400 g