

# TÅKEN

TÅKEN is an asynchronous dual-head delay with random modulation and a powerful send/receive-loop. A tool for conjuring psychedelia and nostalgia sparingly or in excess. TÅKEN is dedicated to the Carina Nebula.

The new TÅKEN retains the circuit of the original version, but adds internal switches for adding more filter resonance and high pass filtering.

**TIME:** Sets the delay time of both 'tape' heads. From ~40/100 ms to ~1000/2400 ms. At longer delay times the repeats become increasingly textured and crackling artifacts appear, giving an old, broken feel to the sound. This can be trimmed back with the tone control.

**HEAD:** TÅKEN has two delay modules placed in series with a shared feedback loop. HEAD sets the balance between the two 'tape' heads from 100% 'short' to 100% 'long'. The balance set by HEAD is regenerated dependent on the setting of the feedback amount. As the length of the two delay modules are asynchronous, blending the two creates an evolving cluster of echoes. At shorter delay settings this can be used to add a more reverby, complex tail to the delay. At longer delay times, mixing the heads gives a disorienting echo dispersion evolving with a growing density. A 'regular' delay is achieved by turning HEAD to its minimum or maximum position.

**MOD:** Sets the depth of the delay modulation, adding a sense of movement. The modulation is arrhythmic, giving a tape-like, worn feel. MOD interacts with TIME allowing for wilder modulation at longer delay times. There is a modulation depth sweet spot for every delay time setting.

**FEED:** Sets the regeneration of the delayed signal. Will achieve runaway feedback when maximized. The feedback range can also be adjusted via an internal trimmer.

**TONE:** Sets the cutoff frequency of an active low-pass filter affecting only the delayed signal.

**S/R:** A send/receive-loop for inserting effects into the delay network. Effects in the loop will be regenerated with each new repeat. For instance, placing an octave pedal in the loop will generate the 1st octave on the 1st repeat, 2nd octave on the 2nd repeat etc.

**R-D-Ø:** Sets the operation of the send/return-loop and the MIX knob.

R-mode (repeats) adds the inserted effects only to the delay repeats.

D-mode (direct) adds the effects to both the delay repeats and the direct sound.

Ø-mode (inverted) works like D-mode, but inverts the direct sound affected by the effects loop. Can be useful if a pedal in the loop disagrees with your clean signal in the D-mode.

**MIX:** In R-mode, MIX sets the clean/delay signal mix. From all clean to all delay. In D/Ø-mode, MIX works as a dry/wet mixer for applying effects in the send/receive-loop to the direct signal as well as setting the delay level.

**VOL:** Master volume for the pedal. From silence to +10dB.

**Footswitch:** Engages or bypasses the pedal. TÅKEN utilizes relay-based true bypass. The pedal can be momentarily engaged or bypassed by holding down the footswitch for more than 0.5 seconds.

## Technical Specifications

Input impedance:	1 M $\Omega$
Output impedance:	~1 K $\Omega$
Voltage:	9V DC center negative (Regular Boss/Ibanez/1Spot power supply unit) Does not support battery operation
Current	65 mA
Dimensions:	120 mm x 96 mm x 57 mm
Weight:	430 g