ECRUOS
Tap Delay
[RACK EXTENSION]
MANUAL
2021

FX device by Turn2on Software

ECRUOS is a Delay effect with up to 16 configurable taps include smoothing of delay time changes.

We present a new delay type to Reason Rack Extension - *Tap Delay*.

Tap Delays usually have steps called as TAPs. Every TAP has its own settings for Delay Time and Level.

Delay Time can be Synced to your song project or set in seconds. Feedback control is linked to each TAP. You can control how many taps you need. Just draw your delay rhythms in the control matrix.

Taps can control PAN of each step. We have also added Filter to this Delay device. Taps can control the Resonance level of each step.

The *ECRUOS* rack extension includes:

 - **16 steps** (TAPS) with control matrix
 - **TAP controls** for Delay Time, Level, Pan and Filter
 - **Width** control of stereo signal
 - **Engage** adds some reverb to the rhythmic output signal
 - **Filter** with Resonance control
 - **LFO** with Sync to Beats

With *ECRUOS* you can add interesting structures to your sounds inside Reason Rack.

Draw your Delay for new rhythms now.
Try it today!

TAP DELAY

BYPASS - disable effect
ON - enable effect
OFF - mute incoming signal

DELAY

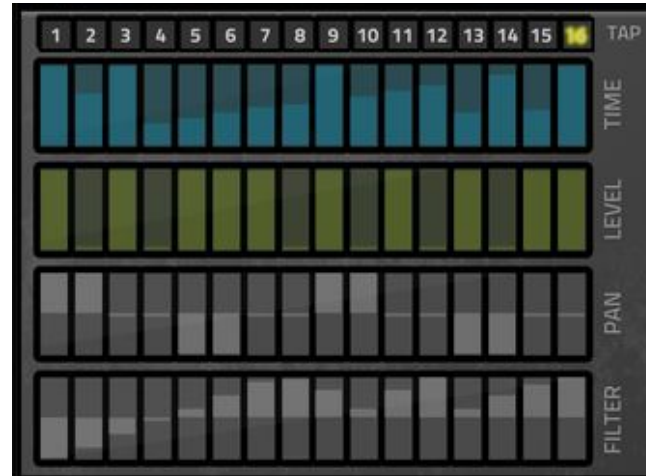| DELAY PARAMETERS	
GLIDE TIME	Adjustable time smoothing
TIME	Set delay time in seconds or quarter note beats
SYNC	Set type of Time: Seconds mode (0-8sec) Synced quarter note beats (Main, Small and 16-th size)
FEEDBACK	Feedback to the delay to create multiple repeats
TAP OUTPUT	Select which output tap the feedback is taken from
WIDTH	Reduce the stereo width of the delay input and each feedback repeat
ENGAGE	Add some colors of reverb to output signal

FILTER

FILTER PARAMETERS	
RESONANCE	Filter Resonance for each Tap. Morph from a gentle tone to a narrow bandpass
LOWCUT	Highpass filter for progressive thinning of each delay repeat
HIGHCUT	Lowpass filter for progressive damping of each delay repeat

TAPS

TAP PARAMETERS	
TIME TAPS	Delay time for each Tap step as a percentage of the Time parameter
LEVEL TAPS	Volume for each Tap step. Zero disables the Tap, saving CPU
PAN TAPS	Stereo PAN position for each Tap
FILTER TAPS	Filter center frequency for each Tap. Filter is bypassed at 0% if Resonance also at 0%

LFO

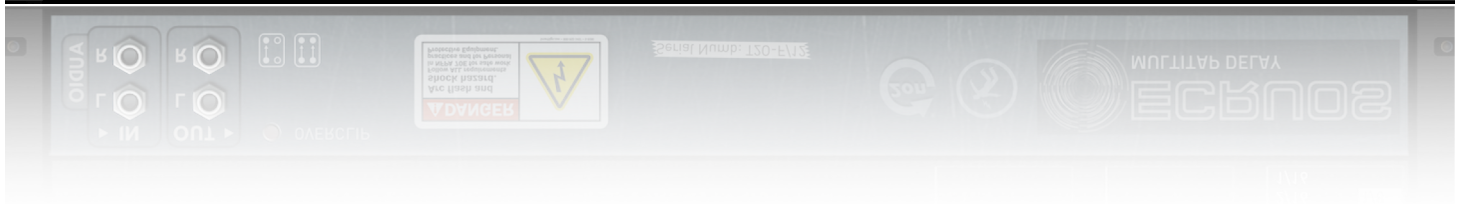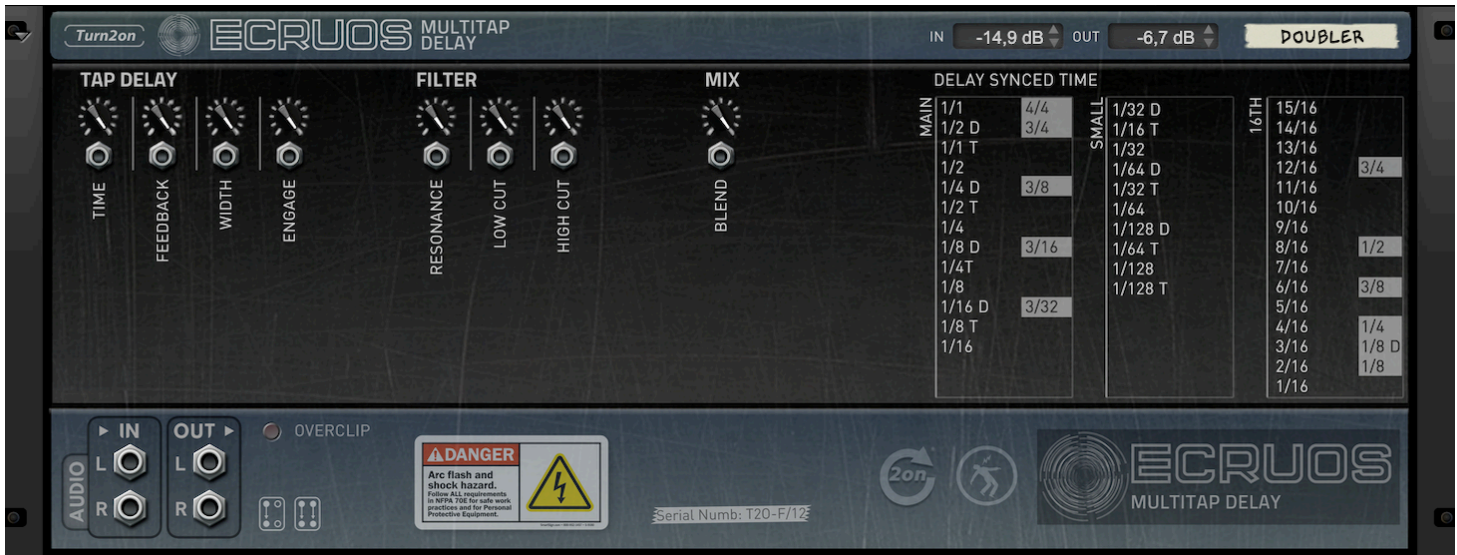| LFO PARAMETERS	
LFO	Waveform selection
DEST	Destination of LFO waveform
SYNC	Sync of LFO waveform in Beats or Hz
SPEED	Speed of LFO in quarter notes if Beats selected, or in Hz if Hertz selected

SATURATION

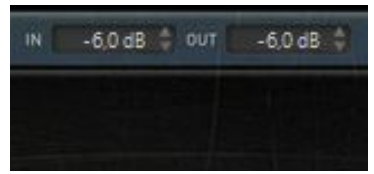| MASTER PARAMETERS	
SATURATION CONTROL	Amount of the saturation for processed Tap delay signal before output

MASTER PARAMETERS	
BLEND	Dry/Wet proportion for incoming / processed signal
SOFT BYPASS	Soft bypass variant

BACK SIDE PANEL

LEVEL CONTROL

INPUT	Gain correction of the dry input level (unprocessed input signal) before it goes to the effect
OUTPUT	Gain correction of the output level of the processed signal

AUDIO INPUT/OUTPUT

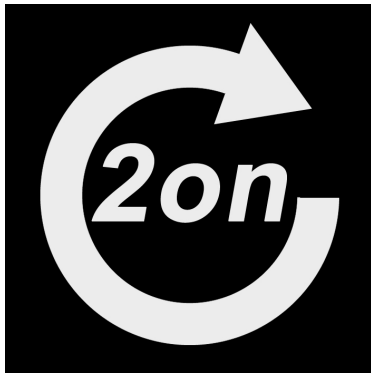|	
INPUT	Mono or Stereo connections for audio signal input
OUTPUT	Mono or Stereo connections for audio signal output
OVERCLIP	Overclipping indicator
ROUTING ICONS	True stereo: If a mono signal is connected with one cable to L input, it is routed to the L output as a mono channel. If a stereo signal connected with 2 cables (L/R), it routed to the L/R channels as stereo channels

CV INPUTS

Use these CV inputs to control the main parameters with external CV source curves

ECRUOS
MultiTap Delay

Turn2on

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Special thanks to all beta-testers