



# PLATEVERB

## MECHANICAL PLATE REVERB

[RACK EXTENSION]  
MANUAL

FX device by Turn2on Software



**PLATEVERB** is a modern algorithmic reverb processor, inspired and modeled by the original EMT™ 140 plate reverb legend. Model 140/140s plate reverb was used in hit songs in the 80s and 90s, including today's studio work.

**PLATEVERB** presents 3 different plate reverb modes, each with its own character in the original models.

- **A40**: basic / classic plate with a clear sound, provides a rich and most popular sound. Ideal for vocals and percussion.
- **B40**: Resonated snare plate with high freq character and resonant peak frequency content. Best to use on a snare drum.
- **FAT**: Large reverberation, with a highly colored character, includes a smooth top and moderate bass.

But this is not just another 140 Plate reverb variation. This is a modern multi-fx processor, with mechanical plate reverb in the heart of the device.

The main section is the **PLATE REVERB** section. It includes deep reverberation control with main classical parameters (Pre Delay, Decay, Damping, Mix), Width and Scale of the reverberation, Pitch Modulation and Diffusion parameters, Ducking control with Freeze of the signal. The Plate Reverb section includes an additional EQ SHAPE section to

improve or totally change the character of the processed sound.

**PLATEVERB** includes an internal **Envelope Follower** with three types of envelope detection from incoming main signal (Linear, Log, Gate) with controls on the rear panel of the device (Mode, Attack, Release, Threshold). On the front panel you can use the Envelope Follower **Modulation Matrix** with 5 slots (per effect), each with individual FX parameters. Also, on the front panel of **PLATEVERB** placed 4 creative and powerful effects: **Saturator, Distortion Character, Auto-Pan / Tremolo, Chorus**.

The unique Saturation effect with Low and High Distortion control, Character Distortion effect with various distortion types, helps you find new creative horizons of your raw signal. Plate Reverb adds the natural character of the legendary EMT™ 140 reverberator with modern possibilities. EQ shape sculpts your reverb stereo field and tone. Autopan/Tremolo and Chorus effects can be a part of the art-therapy after saturator and character distortion damage-effects for your already reverberated signal, help to spread signal with amplitude and Pan changes, adds more voices to your processed unique and amazing reverberation sound.

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# FRONT PANEL



## PLATE CONTROL

SEND MODE	DESCRIPTION
<b>PLATE MODEL</b>	3 models Inspired by original vintage 140 plate reverberation devices: <b>A40</b> : basic plate with a clear sound, provides rich and most popular sound. For vocals and percussion. <b>B40</b> : Resonated snare plate with high freq character and resonant peak freq. Best with snare drum. <b>FAT</b> : Large, highly colored character, include smooth top and moderate bass.
<b>PRE DELAY</b>	Initial delay before reverb. Value can be set between 0-250 ms.
<b>DECAY</b>	Length of reverberation tail. Value can be set between 0.1-60 sec.
<b>SCALE</b>	Scale the sound of the room between 50-200%.
<b>DAMPING</b>	Progressive loss of the high frequencies in reverb tail.
<b>WIDTH</b>	Adjust the stereo width of the wet (processed) signal before the signal comes to the device output
<b>MODULATION</b>	Pitch modulation within the reverb for a richer sound
<b>DIFFUSION</b>	Amount of blurring / smoothing of reflections
<b>FREEZE</b>	Freeze the current spectrum of the signal
<b>DUCKING</b>	Controls compression to the wet signal by incoming level of the dry signal. Creates space by lowering the volume of the wet signal went the dry signal is active.
<b>MIX</b>	Controls the balance between the dry (unprocessed) and wet (processed) signal

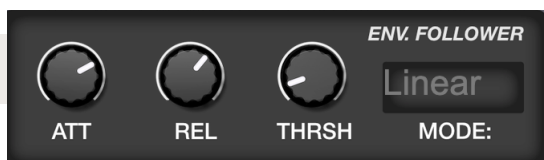
## PLATE EQ SHAPE

PARAMETER	DESCRIPTION
<b>LOW CUT</b>	HP filter cutoff frequency
<b>HIGH CUT</b>	LP filter cutoff frequency
<b>MID GAIN</b>	Mid EQ band level amount
<b>MID FREQ</b>	Mid EQ band frequency
<b>LOW MULT</b>	Increase or decrease reverb time at Low frequencies
<b>LOW FREQ</b>	Frequency used for Low Mult

Env Follower Modulation matrix for the main FX parameters

## ENV FLE MOD

PARAMETER	DESCRIPTION
<b>SLOT A</b>	SATURATOR parameters modulation (Drive, Low Dist, High Dist, Density)
<b>SLOT B</b>	CHARACTER Distortion parameters modulation (Drive, Amount, Rectify)
<b>SLOT C</b>	PLATE reverb parameters modulation (P.Del, Decay, Scale, Damping, Width, Mod, Diffusion, Mix)
<b>SLOT D</b>	AutoPan / Tremolo parameters modulation (Rate, Depth, Phase, Spread)
<b>SLOT E</b>	Phaser parameters modulation (Rate, Depth, Shift, Delay, Damping)
<b>AMOUNT A-E</b>	Amount of the Envelope Follower modulation per slot (A, B, C, D, E)



## ENV FOLLOWER

PARAMETER	DESCRIPTION
<b>ATTACK</b>	Rise time when the audio level increases or the gate opens.
<b>RELEASE</b>	Fall time when the audio level decreases or the gate closes.
<b>THRESHOLD</b>	Audio Level (Look Envelope Follower Mode)
<b>MODE</b>	<b>LINEAR:</b> Voltage (linear) measurement between silence and the specified threshold. <b>LOG:</b> Logarithmic (dB) measurement between the specified threshold and 0 dB. <b>GATE:</b> Detect if the signal is above or below the threshold.

## SATURATOR FX

PARAMETER	DESCRIPTION
<b>ON/OFF</b>	Enable / Disable Saturation effect
<b>DRIVE</b>	Increases the input level resulting in more saturation and more level
<b>LOW DIST</b>	Increase the distortion of the Low frequencies
<b>HIGH DIST</b>	Increase the distortion of the High frequencies
<b>DENSITY</b>	Adjust the distortion curve
<b>THRESHOLD</b>	The audio level at which saturation occurs. Reduce for more distortion





## CHARACTER FX

PARAMETER	DESCRIPTION
ON/OFF	Enable / Disable Character Distortion effect
DRIVE	Input gain to the distortion
AMOUNT	Mix between the dry (inprocessed) and wet (processed) signals before the Plate Reverb
RECTIFY	Degree to which negative signal peaks are converted to positive
MODE	<b>VINTAGE:</b> Hard Clipping distortion (stereo) <b>AGGRESSIVE:</b> Soft Clipping with DC Bias <b>GRITNESS:</b> Classic Tanhent distortion



## AUTOPAN FX

PARAMETER	DESCRIPTION
ON/OFF	Enable / Disable AutoPan / Tremolo effect
RATE	Adjust the modulation rate
SYNC RATE	Switch the modulation between CPS (cycles per Hz) or CPB (cycles per beat)
PHASE	Adjust the rinital phase of the modulation
SPREAD	Adjust the phase of the R channel relative to the L, to add stereo width and create auto-pan effect
DEPTH	Mix between the dry (inprocessed) and wet (processed) signals



## CHORUS FX

PARAMETER	DESCRIPTION
ON/OFF	Enable / Disable Chorus effect
RATE	Adjust the modulation rate
MODULATION	LFO waveforms: Square, Sine, Random
DELAY	Adjust the rinital phase of the modulation
AMOUNT	Depth of the delay (pitch) modulation
VOICES	Sets number of chorus voices: 2 to 4
MIX	Mix between the dry (inprocessed) and wet (processed) signals



## OTHER

PARAMETER	DESCRIPTION
IN / OUT	Sets levels of the incoming (unprocessed) dry and output (processed) wet signals
PATCH BROWSER	Open and save device pathces
ACTIVE FX	Active FX mode or Soft Bypass with smoothed fade in/out functionality

# REAR PANEL



## AUDIO INPUT/OUTPUT:

Mono or Stereo connections for audio signals



## CV INPUTS:

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



## SIGNAL ROUTING ICONS

This is spread signal typedevice



# PLATEVERB

MECHANICAL PLATE REVERB

Reason Studios Add-on Shop



## Turn2on

Rack Extension Developer

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Thanks to all beta-testers

**Thank you very much for supporting us by choosing our products.**  
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