

Blue Depth

BLUE DEPTH EPIC MOTION REVERB FX

Re
Rack Extension

PRODUCT OF
TURN2ON



[RACK EXTENSION]
MANUAL / 2021

FX device by Turn2on Software

EPIC MOTION
REVERB



BLUEDDEPTH is a modern creative effect which produces Epic Motion Reverberations. The device centers on the **AirVerb**, **UnderwaterVerb** and **Submersion** sections.

AirVerb: The crystal and airy part of the BlueDepth effect. This section produces beautiful additions to the processed signal ranging from short to amazingly long decay reverberations which add an element of rich sea breath to the sound.

Underwater Verb: With 14 selectable Verb characters, Underwater Verb creates fundamental depth reverberations which create a sense of underwater motions and the life of an unexplored sea world.

Parallel Verb: An additional parallel signal, processed by the AirVerb contour, is sent to the Underwater Verb. The sum of the Underwater Verb and the parallel signal is processed through the

Submersion section and then routed back to the AirVerb section.

Submersion: is a 1-octave down pitch-shifter with feedback and buffer duration control. It adds unstable lower harmonics to the processed reverberated signal. It gives a rich basis for reverberated sound through the addition of low frequencies which help to produce an Epic Reverb effect.

The main role of this effect is creating long decay reverberations, which sometimes go to self oscillation and overload the output signal. On the rear panel we have placed a Limiter which compresses the signal and maximizes it's level with boosts of up to +60 dB. This not only preserves the signal strength without overloading, but also creates a punch effect.

BlueDepth is like a boutique effect for unbelievable Epic reverberations. Try it now in the Reason Rack!



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BLUE DEPTH EPIC MOTION REVERB

The interface features a top section with a 'SubDiving' indicator and a 'Bye On Off' switch. Below this are four large knobs for PRE DELAY (0.00 ms), DECAY (5.46 ms), TONE (12.1 kHz), and AIR MIX. To the right are LIMIT controls for DRY (0.0 dB) and WET (-8.0 dB). The main section includes SUBMERSION DEPTH (58%), PRESSURE FEEDBACK (63%), and DIRECTION FINDER (373 ms). A central CHARACTER knob is surrounded by 14 options: MAX, LONGER, LONG, MORE, NORMAL, MEDIUM, SMALL, MIN, and OSC DPTH. Other parameters include REFLECTION, REGEN (BLUE MIX), and DAMPING. The interface also features a 'BlueDepth EPIC MOTION REVERB' logo with a whale illustration and a BYPASS button.

AIR VERB

The Air Verb interface is simpler, featuring four large knobs for PRE DELAY (0.00 ms), DECAY (5.46 ms), TONE (12.1 kHz), and AIR MIX.

AIR VERB, The crystal and airy part of the BlueDepth effect. Produces beautiful short to amazingly long decay reverberations.

PRE DELAY	Initial delay before AirVerb reverberation	MIX	Mix between dry / wet signals of Air Verb section
DECAY	Decay Time / Length of reverb tails	DRY	Gain of the dry input level (unprocessed input signal)
TONE	High-frequency control of the reverberation tail	WET	Gain of the wet input level (Air Verb processed signal)

UNDERWATER VERB

With 14 selectable Verb characters, Underwater Verb creates fundamental depth reverberations which create a sense of underwater motions and the life of an unexplored sea world.

CHARACTER	14 characters of the Underwater reverberation
OSCILLATE DEPTH	Set length of the Underwater reverb decay with self-oscillation amount
REGEN (BLUE DEPTH)	Mix amount of the unprocessed signal (plus Parallel Verb) with processed signal by Underwater Verb
SCALE	Used for tuning the Regen decay (Underwater section) upwards or downwards. * After Scale changes, Regen Character is reloading. For smoothing this, add the AirVerb Decay parameter value.
PRL (PARALLEL VERB)	Amount of the additional parallel signal, processed by AirVerb contour, sends to the Underwater Verb. Sum of the Underwater Verb and this parallel signal is processing thru Submersion section and routed back to the mix with AirVerb section.
REGEN WET	Gain level of the processed signal by Underwater Verb
REGEN POST (SUBMERSION DRY)	Gain level of the Underwater Verb, routed to the Submersion
REFLECTION	Delay before Underwater reverb
DAMPING	High-frequency control of the Underwater reverberation tail

This close-up shows the CHARACTER knob with its 14 options: MAX, LONGER, LONG, MORE, NORMAL, MEDIUM, SMALL, MIN, and OSC DPTH. Below it are the REGEN (BLUE MIX) and DAMPING knobs, along with PRL (AIR), WET (RG+SB), and POST (SUB) buttons.

SUBMERSION

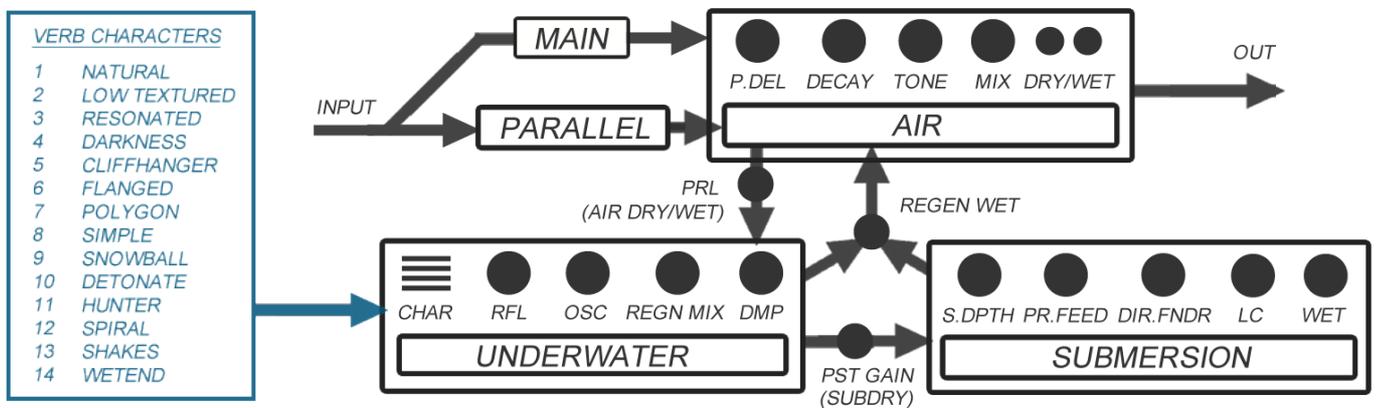


SUBMERSION is a 1-octave down pitch-shifter with feedback and buffer duration control. It adds unstable lower harmonics to the processed reverberated signal. It gives a rich basis for reverberated sound through the addition of low frequencies which help to produce an Epic Reverb effect.

SUBMERSION DEPTH	Mix value between Underwater Verb and 1-octave down pitch-shifted signal.
PRESSURE FEEDBACK	Feedback value of the pitch-shifted signal buffer output back to Submersion input
DIRECTION FINDER	Buffer duration in milliseconds
WET	Level of the processed signal thru Submersion section
LC (LOW CUT)	Reducing low frequency of Submersion output

BLUEDEPTH SCHEME

An additional parallel signal, processed by the AirVerb contour, is sent to the Underwater Verb. The sum of the Underwater Verb and the parallel signal is processed through the Submersion section and then routed back to the AirVerb section.



BASIC SETTINGS



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



SOFT BYPASS - Variation of effect bypass with fade in and fade out that exclude loud peaks when you enable or disable effect

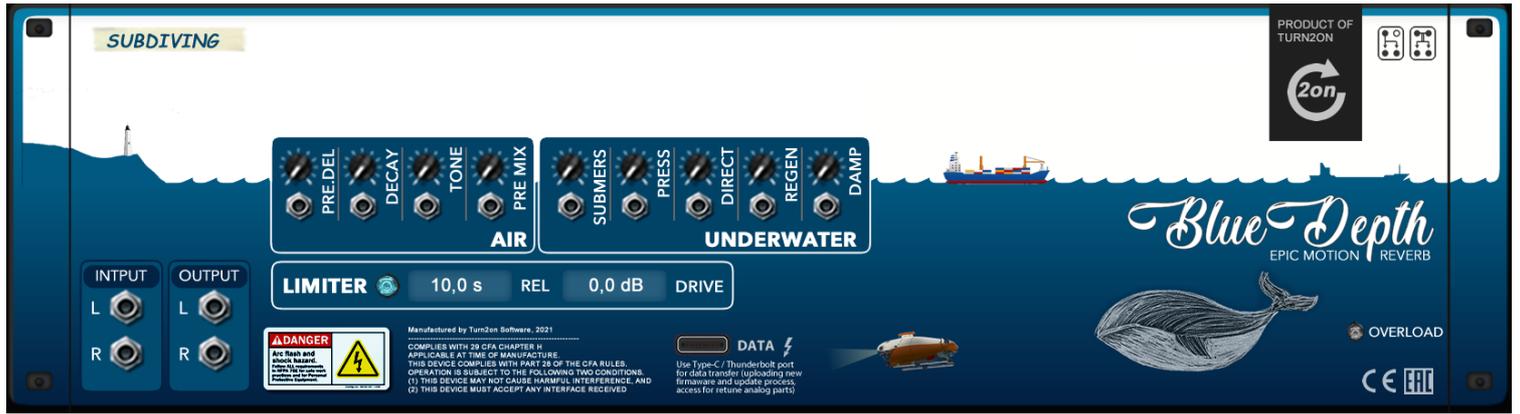
SubDiving



PATCH BROWSER

Used to open the patch library, load built-in patches, or save your own patches.

REAR PANEL



AUDIO INPUT/OUTPUT:

Mono or Stereo connections for audio signals.



LIMITER ON/OFF: Enable / Disable Limiter activity

RELEASE: Set recovery time of the limited signal

DRIVE: Maximizer level with boosts (up to +60 dB) and compresses signal



CV INPUTS

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



BLUEDEPTH

EPIC MOTION REVERB

 Reason Studios Add-on Shop

Thanks to all beta-testers,

Special thanks to MrFigg (Cameron Jeffrey), Despondo (Philip Meadows)



Turn2on

Rack Extension Developer

contacts: <https://turn2on.com/>
support@turn2on.com



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