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For immediate release

IK Multimedia announces the T-RackS Stealth Limiter — the loudest, most transparent mastering limiter available

T-RackS Stealth Limiter, the latest addition to the T-RackS Custom Shop, is an ultra-transparent mastering inter-sample peak limiter that increases mix loudness while maintaining dynamic range and sonic clarity

August 4, 2015 - IK Multimedia is proud to announce **T-RackS® Stealth Limiter**, a new ultra-transparent mastering peak limiter available now in **T-RackS Custom Shop**. A versatile secret weapon of a mixing and mastering tool, it lets producers, engineers and musicians turn up the loudness of their mixes while still maintaining a clean sound with plenty of dynamic range and sonic breathing room.



Sonic integrity at higher dBs — Dynamic, transparent and loud

T-RackS Stealth Limiter is a new kind of processor for the final peak limiting stage of the mastering process. The past few decades have seen volume levels of produced audio rise at an alarming rate. Loudness of mixed and mastered audio material has become a de-facto standard for contemporary music production. To achieve a level of competitive loudness, producers and engineers have had to employ methods of extreme compression and limiting that, though they make a mix louder, also cause residual distortion, sonic flatness and a loss of overall emotion. T-RackS Stealth Limiter has been designed to prevent the ill effects of



extreme compression and limiting by retaining sonic clarity and dynamics while achieving the desired loudness level — something that other limiters and compressors just can't do.

A stealth weapon

An impressive increase in loudness without the discernible effects of compression — it's a dream come true. Simply put: It's the most transparent, clear and loud software mastering peak limiter available, and it's able to provide this thanks to its smart level-tracking algorithm. It works like a sonic ninja, reducing levels below the volume ceiling moment-to-moment instead of applying traditional look-ahead envelope-based fast-attack compression. It doesn't sound like a compressor, and that's because it isn't one.

Inter-sample algorithm

The secret to T-RackS Stealth Limiter's invisibility is in its inter-sample peak-limiting algorithm. This works differently than traditional mastering processes, which suppress spikes above the volume ceiling by employing hard limiters or clippers. These traditional processes are only able to ensure a stable digital level; they don't guarantee undistorted playback once the music goes through conversion, which can create an analog waveform that exceeds the threshold and introduces unwanted distortion.

T-RackS Stealth Limiter's inter-sample peak limiting algorithm gets around this by predicting the converted analog waveform of the digital source. It ensures that the final converted audio will only very rarely exceed the set ceiling. The result? All the loudness, but without a perceptible loss in dynamic range. This is particularly useful considering that modern music is heard on different devices and services that utilize compressed formats like MP3 and AAC.

Easy-to-use and extremely versatile

T-RackS Stealth Limiter sports straightforward controls and intuitive features that make using it a quick and easy process. Its input knob can be used to set the desired loudness, and its output ceiling knob can be used to adjust the output level. And, for more advanced uses, it comes with 4 different modes of operation for fine-tuning.

The basic mode is TIGHT. This offers neutral limiting that respects the natural sonic dynamics of the source material as it increases loudness. The BALANCED mode offers a similar level of transparency, albeit while introducing a subtle amount of dynamic compression. HARMONICS 1 can be used when a bit more color is required. When used, it imparts a sense of dimension and pleasant

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coloration that can make a mix sound and feel more analog. And finally, HARMONICS 2 can be utilized when more sonic character is desired. It can deliver a thorough boost of gritty and punchy analog feeling.

In addition to its various modes, T-RackS Stealth Limiter also comes equipped with an infrasonic filter that can be used to cut out unwanted sub-bass frequencies that might otherwise put excessive workload on the limiter.

Easy monitoring is provided via its on-board unity gain monitoring function, which allows for a quick comparison between the processed audio with or without the accompanying volume boost.

T-RackS Custom Shop — A one-stop studio shop

The T-RackS Custom Shop for Mac/PC is a free DAW plug-in and standalone app that gives producers, engineers and musicians 24/7 access to some of the most sought-after studio production gear of all time. Once installed, its huge collection of high-quality processing plug-ins for mixing and mastering can be browsed, auditioned and purchased. Each model can be tested as a fully functional demo for a period of 14 days. Gear can be purchased individually or as bundles in either currency (\$ or €) or in Custom Shop Gear Credits.

Pricing and availability

T-RackS Stealth Limiter is available now via the IK Online Store and T-RackS Custom Shop for just \$/€124.99* (or 125 Gear Credits).

**All prices excluding taxes*

For more information and to hear audio comparisons, please visit:

www.ikmultimedia.com/trstealthlimiter

To download a free version of the T-RackS Custom Shop, please visit:

www.ikmultimedia.com/products/trcs/

Warm regards,

Starr Ackerman

starr.ackerman@ikmultimedia.com
N/C/S American PR Manager

Tiia Hassinen

tiia.hassinen@ikmultimedia.com
Europe and International PR
Manager

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About IK Multimedia: *IK Multimedia is a computer music technology company that offers a diverse range of affordable and easy-to-use music production tools with great sound quality and a realistic look and feel. With millions of installations worldwide, the IK range has been adopted by musicians of every level, from beginners to professionals, to gain access to high-end, studio-quality gear from their computers or mobile devices. T-RackS® is a trademark property of IK Multimedia Production. Mac is a trademark of Apple, Inc., registered in the U.S. and other countries. All other trademarks are property of their respective owners.*