



# NEWS

## FOR IMMEDIATE RELEASE

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## **ESS Technology Introduces ES9018-2M Sabre<sup>32</sup> Reference Stereo DAC for Mobile, Consumer and Professional Applications**

**FREMONT, Calif., June 21, 2013**— ESS Technology, a leading provider of high performance audio/video solutions, today announces the addition of the ES9018-2M Sabre<sup>32</sup> Reference Stereo DAC to its high performance audio converter product line.

The ES9018-2M is the latest derivative of the world's highest performance Sabre<sup>32</sup> Reference DAC (ES9018) introduced in 2009. It is a two-channel 32-bit digital-to-analog converter targeted for audiophile-grade mobile devices such as smartphones, tablets and digital music players, consumer devices such as Blu-ray players, audio pre-amplifiers and A/V receivers, as well as professional devices such as recording systems, mixer consoles and digital audio.

Unlike conventional sigma-delta ( $\Sigma\Delta$ ) DACs, the ES9018-2M Sabre<sup>32</sup> Reference Stereo DAC incorporates innovative patented circuits to deliver spectacular music with up to 127dB dynamic range and 0.0001% (-120dB) total harmonic distortion, free from clock jitter common in digital audio systems. The 32-bit HyperStream™ modulator is capable of 100% modulation and unconditional stability; the Revolver™ Dynamic Element Matching ensures performance over a wide dynamic range, while a Time Domain Jitter Eliminator removes the digital jitter that causes distortion.

The ES9018-2M Sabre<sup>32</sup> Reference Stereo DAC supports stereo conversion from digital audio

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input in PCM, DSD or SPDIF formats of up to 384kHz sampling rate, in both synchronous and ASRC (asynchronous sample rate conversion) modes, featuring click-free soft mute, volume control, de-emphasis, programmable zero detect, a small 28-QFN (5mmx5mm) package and low power consumption of less than 40mW under normal operations and 1mW at standby.

Robert Wong, vice-president of marketing and worldwide sales for ESS Technology, said, “The ES9018-2M SABRE<sup>32</sup> Reference Stereo DAC, with its critically acclaimed SABRE sound stage, small footprint and low power consumption, is the perfect solution for audio products of all form factors and categories – mobile, desktop, consumer or professional. For the first time, audio enthusiasts can enjoy the ultimate SABRE SOUND experience anywhere they go.”

The ES9018-2M SABRE<sup>32</sup> Reference Stereo DAC is sampling now in 28-QFN package and priced at \$12 in quantities of 1000. Evaluation boards are also available for \$250.

Additionally, ESS is sampling the ES9016-2M SABRE<sup>32</sup> Ultra Stereo DAC (DNR=122dB, THD+N=-110dB) and ES9010-2M SABRE<sup>32</sup> Premier Stereo DAC (DNR=116dB, THD+N=-106dB) at \$6.5 and \$3.5 respectively, both in quantities of 1000 and 28-QFN package.

For further information about samples, evaluation boards or product datasheets, please contact your local ESS Sales Representative.

### ***About ESS Technology***

ESS Technology, Inc. designs and markets high-performance audio and video products for the consumer market.

ESS's products include the SABRE/SABRE32 series of Hyperstream™ audio DACs and ADCs, the Phoenix-III series of HD-Enhanced DVD Home Theater SoC, Crescendo series of Sound Bar SoC, Radix CMOS TV tuners, 1080p Video Up-converter, and the DMPX Media Processor.

ESS's SABRE<sup>32</sup> audio DAC series is the world's highest performance 32-bit audio D/A converter solution, built upon the original SABRE audio DAC series first introduced in 2008. The SABRE<sup>32</sup> and SABRE audio DACs have been designed into the world's most prestigious consumer, audiophile and professional equipments, including Blu-ray players, CD/SACD players, A/V preamps and digital audio workstations.

ESS is headquartered in Fremont, California, and has R&D, sales, and technical support offices worldwide. ESS Technology's web site address is: <http://www.esstech.com>.