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# QuickLogic Announces Partnership with DSP Concepts to Extend the Market Reach of Always-On Mobile Devices

SUNNYVALE, Calif., Feb. 23, 2018 /PRNewswire/ -- QuickLogic Corporation (NASDAQ: QUIK), a developer of ultra-low power multi-core voice-enabled SoCs, embedded FPGA IP, display bridge and programmable logic solutions, today announced a partnership with DSP Concepts, Inc., a global developer of embedded audio digital signal processing solutions. The two companies have teamed up to increase adoption of voice recognition, voice control and cloud-based AI assistants in mobile and battery-operated devices.



The DSP Concepts Audio Weaver Voice UI (User Interface) is now supported on the QuickLogic [EOS™ S3 Sensor Processing Platform](#). DSP Concepts' multi-microphone beamforming and noise suppression software extends the reach of QuickLogic's voice recognition features into real-world environments, even places that are very noisy. Users are no longer restricted from accessing their cloud-based AI assistants when in the subway, on city sidewalks or in local cafes. Hardware implementation of Sensory Inc.'s Low Power Sound Detector (LPSD), combined with QuickLogic's expertise in low-power System-on-a-Chip (SoC) design, delivers a solution that lets these systems operate reliably on battery power in even the most challenging environments.

"We are witnessing a 'Cambrian explosion' around voice command. This is the new way people want to interact with their devices," said Paul Beckmann, founder and chief technology officer of DSP Concepts. "The addition of DSP Concepts' Audio Weaver Voice UI to their existing partnership with Sensory Inc. positions QuickLogic to deliver a comprehensive set of always-on/listening capabilities while achieving critical battery life requirements."

"We're completely focused on delivering an enhanced user experience for voice-activated products, and the DSP Concepts Audio Weaver Voice UI technology fits that objective perfectly," said Brian Faith, president and CEO of QuickLogic Corporation. "Adding the ability to support noisy environments completes a critical part of the QuickLogic ecosystem for voice."

## Availability

The DSP Concepts Audio Weaver Voice UI will be available on the QuickLogic EOS S3 Sensor Processing platform at the end of March 2018.

## About QuickLogic

QuickLogic Corporation (NASDAQ: QUIK) enables OEMs to maximize battery life for highly differentiated, immersive user experiences with Smartphone, Wearable and IoT devices. QuickLogic delivers these benefits through industry leading ultra-low power customer programmable SoC semiconductor solutions, embedded software, and algorithms for always-on voice and sensor processing. The company's embedded FPGA initiative also enables SoC designers to easily implement post production changes, and increase revenue by providing hardware programmability to their end customers. For more information about QuickLogic, visit [www.quicklogic.com](http://www.quicklogic.com).

## About DSP Concepts


DSP Concepts, Inc. provides embedded audio digital signal processing solutions delivered through its Audio Weaver® platform. Audio Weaver's versatility and flexibility allow it to achieve superior performance from any combination of components. DSP Concepts specializes in microphone processing as well as playback processing, and is the leading supplier to top tier brands in automotive and consumer products. Founded by Dr. Paul Beckmann in 2003, DSP Concepts is headquartered in Santa Clara, California.

## About Sensory Inc.

Sensory Inc. creates a safer and superior UX through vision and voice technologies. Sensory's technologies are widely deployed in consumer electronics applications, including mobile phones, automotive, wearables, toys, IoT and various home electronics. With its TrulyHandsfree™ voice control, Sensory has set the standard for mobile handset platforms' ultralow-power "always listening" touchless control. To date, Sensory's technologies have shipped in over a billion units of leading consumer products.

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