ETHERWAVES ANNOUNCES A NEW VERSION OF SOFT DEFINED RADIO RECEIVER TECHNOLOGY FOR AUTOMOTIVE INFOTAINMENT SYSTEMS

The New ClearSignal-Auto Version Enriched by a Standard Host Control Protocol Enables Full and Exact Control of all Digital Radio Receiving Parameters

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EtherWaves, the industry leader for Digital Automobile Radio Intellectual Property (IP), announces today a new version of its ClearSignal-Auto Software Defined Radio product for cars. This new version uses a protocol developed specifically for this purpose for interfacing with automotive host applications, running on same baseband DSP or on a different processor.

The new protocol uses a dual-purpose CLI (Command Line Interface), enabling both human control for debugging, maintenance or evaluation purpose, as well as the control of ClearSignal by a host application. The human control and the host control use different dialects (set of commands), each optimized for its purpose, with ClearSignal recognizing both dialects and responding accordingly. When the host interface is on an external processor, the physical interface uses common standards, such as SPI, or in evaluation systems - RS232.

The novel ClearSignal Host Control Protocol (HCP) implements the DRM Distribution & Communication (DCP) protocol, thus providing fragmentation, addressing and reliable data transmission. In addition, the new ClearSignal version enables to control receivers using other Digital Radio systems, such as DAB, DAB+ and DMB.

“The new version further simplifies the development and drastically reduces the time and cost of building digital radio entertainment systems with ClearSignal-Auto” said Marius Gafen, Vice President of Product Marketing at EtherWaves. “It is yet an additional benefit when using our SDR approach in the automotive market”, he added.

The new version has been designed for all ClearSignal-Auto versions and decoders, including the latest ClearSignal Dual-Tuner.

About ClearSignal-Auto

ClearSignal-Auto™ is a package of Software IP targeted to be executed on fixed point DSP’s, such as Blackfin® processors by Analog Devices (ADI), to provide multimode Digital Radio reception capability in cars. It is a proven solution that has been used by Tier 1 automotive infotainment makers and deployed in high-end German automotive cars. Designed to be quickly and efficiently integrated into an existing HU or into a new design, the innovative ClearSignal-Auto makes maximum use of the existing hardware resources (DSP and memory), for fast and cost-effective development cycles, and can be used on either a single BlackFin or in a multiple-chip configuration. The higher performance Head Units' design can take advantage of the Dual-Tuner option of ClearSignal-Auto, which decodes simultaneously two different (or identical) broadcasts - such as DAB+ and DRM, using a single DSP. Contact EtherWaves for details on ClearSignal-Auto, its pricing and availability.

About EtherWaves

EtherWaves Ltd. develops and licenses Digital Radio Intellectual Property (IP), targeting mainly the automotive market. EtherWaves uses its core competencies and expertise to develop Digital Broadcast Receiver solutions based on Software Defined Radio. The company’s ClearSignal technology enables high-quality, multi-standard Digital Broadcast reception. Products currently support DAB, DAB+, T-DMB and FM and will also comply with

DRM, HD Radio, DMB-T (China) and ISDB-T. EtherWaves is a privately held company with headquarters in Israel. For more information, please visit us at http://www.etherwaves.com

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