Belar Releases Software Update for FMHD-1 Modulation Monitor

New update integrates optional software module for HD Radio Diversity Delay, graphical monitoring enhancements

West Chester, PA, October 21, 2015 — Belar Electronics this week releases Version 6 of its FMHD-1 modulation monitor software, integrating key benefits for HD Radio diversity delay along with improved present and historical performance monitoring.

The new software includes an option for Belar's Automatic Delay Correction (ADC) module. Customers can request the field-upgradeable ADC module for both new and existing FMHD-1 mod monitors. In the latter case, broadcasters are ensured a seamless upgrade path to achieve constant and consistent signal delay adjustments that align analog and digital feeds, thanks to the software-defined architecture of the FMHD-1 monitor.

The ADC module enables direct communication between the FMHD-1 monitor and the device containing the diversity delay in the broadcast air chain. The communication is accomplished by establishing an IP connection between the two devices. The FMHD-1, acting as the host device, calculates and feeds the error information to the delay device, closing the loop and continuously maintaining the delay correction.

The FMHD-1 currently with integrated ADC software supports the following devices:

- GatesAir HDE-200 Exporter
- Nautel Exporter Plus
- Orban 5500, 5700, 8500, 8500S, 8600, 8600S audio processors
- Omnia 7 and 9 audio processors. Omnia 6 and 11 coming soon.
- Wheatstone AirAuraX3, FM-531HD, VP-8ip and FM-55 audio processors

The new software update also gives broadcasters a clearer picture into overall performance monitoring. Viewable on the FMHD-1 front panel or desktop/laptop/mobile devices over IP using Belar WizWin software, the new software release delivers a series of dynamic graphics to more effectively capture and communicate modulation activity. This includes short-term activity such as peak-versus-time performance, as well as historical data graphing that demonstrates performance trends over longer time periods. Overall, the new software release swaps out simple meters in favor of richly detailed, graphical information to help broadcasters better understand and maximize signal performance.

"This new software update will help broadcasters more easily identify and solve problems in both the analog FM and HD Radio chain, at once eliminating labor-intensive manual adjustments and enabling remote connectivity to monitor performance from any location," said Mark Grant, CEO, Belar Electronics.

The ADC software module costs $749 and is activated through a validation code. The activation fee is eliminated for monitors purchased after January 1, 2015 through the end of this year.

About Belar Electronics

Founded in 1964, Belar Electronics Laboratory, Inc. is the world's leading manufacturer of modulation monitors. Used by radio and TV stations globally to monitor broadcast signals, Belar products are world-renowned for accuracy and reliability. These benefits are also recognized worldwide by manufacturers of transmitters and audio processors, which regularly rely on Belar monitors as test instruments to ensure their products meet specifications. Contact Belar at (610)-687-5550 or visit them on the web at http://www.belar.com.

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Operators Manual for FMHD-1 ADC Software Module