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## New and updated products for Digital Radio Broadcasting at IBC 2013

### **D-VAUDAX: Ensemble Multiplexer for DAB/DAB<sup>+</sup>/DMB networks**

*New 2U chassis, plus Service Linking and Journaline<sup>®</sup> updates*

D-VAUDAX is now available in a new, compact, 2U chassis with an updated motherboard. The Linux operating system continues to provide long-term reliability and stability.



The latest multiplexer software release for D-VAUDAX includes a major update to support the new Service Linking use-cases defined in ETSI TS 103 176. This includes support for multiple LSNs.

Support for Journaline<sup>®</sup> data services has been added, with the choice of UDP/IP or FTP input.

The Service Provide Profile Management option provides a virtual Service Multiplexer. This option avoids the cost of additional service multiplexers and simplifies multiplex network management.

### **D-AUDIENCENCE-M: DAB<sup>+</sup> Multi-channel Audio Encoder**

*New 12-Channel Audio Encoder with integral PAD Inserter and EDI output*

The multi-channel D-AUDIENCENCE-M encoder for DAB<sup>+</sup>/DAB can be specified with up to 12 channels in a single, 2U unit. Audio settings are managed from D-VAUDAX Multiplexers and support a choice of 1+1 or spare-pool redundancy configurations.



The integral PAD-Inserter provides an efficient and cost-effective solution for adding DLS and Slideshow by eliminating the need for a separate data server.

Encoded audio streams are output to D-VAUDAX multiplexers via UDP/IP with packet-re-send error protection or EDI with a choice of packet re-send or forward error correction.

### **TRS: DAB/DAB<sup>+</sup> Tunnel Emergency Voice Break-in System**

*New TRS Version 2 with major software update and integrated chassis*

TRS enables tunnel operators to replace audio programmes with live or pre-recorded announcements, providing information and instructions in the event of an emergency. Break-in can be with live or pre-recorded announcements to provide safety information and instructions to vehicles in the event of an emergency.



Normal audio programmes are replaced by emergency announcements using the same audio bit-rates as the live programmes. RF frame synchronisation with the live transmission ensures a seamless transition and avoids receiver reconfigurations, which would otherwise lead to a delay in the reception of announcements.

TRS is available for 1 or 2 DAB/DAB<sup>+</sup> multiplexes and 1 or 2 audio break-in languages.

More .....



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### **About VDL**

**VDL** are an international Group of companies that delivers broadcasting technologies for Radio, Mobile TV and Network Providers. The Group is in the unique position to offer innovative solutions to its customers as both an experienced broadcaster and an equipment manufacturer.

Founded in 1984 in Lyon, France, VDL have become a leader in the field of radio broadcasting technology. Areas of expertise include: Digital radio network provider, Digital Audio Broadcasting (DAB/DAB<sup>+</sup>) and Digital multimedia broadcasting (DMB) equipment manufacturer, FM broadcasting network operation and maintenance, plus public transport information systems.

VDL have built a strong reputation and extensive field experience from the supply, installation and support of equipment for FM and Digital radio transmission, as well as technical expertise in commercial radio applications. The VDL Group produces a range of head-end and monitoring products for DAB, DAB+ and DMB applications world-wide.

VDL's complete broadcasting solution covers the whole digital audio/multimedia broadcasting signal chain, from audio, video and data encoding, multiplexing and logging, to signal monitoring and analysis products, offering the best technologies, products, prices and support.

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