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Network-capable FIR-Tune sound system processor

- ▶ With IIR and 512-tap FIR filters, precise loudspeaker protection and a multi-stage delay concept, the DSP 600 sets new standards
- ▶ Dynamic range > 116 dB
- ▶ Controlled either directly at the device or with the help of IRIS-Net via Ethernet and/or USB

Straubing, March 2010 The DSP 600 is a network-capable digital sound system processor with 2 analogue inputs, 2 digital AES/EBU inputs and 6 analogue outputs offering audio and processing of the highest quality. The dual-core DSP topology employs 24-bit linear AD/DA converters and the processing is in 48-bit double-precision resolution. At >116 dB, the dynamic range of the DSP 600 is at the upper extreme of what is technically feasible – fTHD is less than 0.002%. With IIR filters and high-resolution 512-tap FIR filters, precise loudspeaker protection and a multi-stage delay concept, the DSP 600 sets new standards in the field of digital loudspeaker management. FIR-TUNE permits the use of DYNACORD speaker settings with integrated crossover and FIR filter settings for the greatest possible linearization of the magnitude and phase of the transfer function. Over IRIS-Net, any desired number of DSP 600 processors, together with other IRIS-Net capable devices, can be configured and operated swiftly and conveniently.

The configuration and control of the DSP 600 is handled either directly at the device or with the help of IRIS-Net via Ethernet and/or USB. An integrated 2-port Ethernet switch makes it possible to connect the device to a PC directly without having to rely on the use of an additional external router. Furthermore, the control signal can be passed directly from one device to the next in a simple daisy-chain arrangement.

snapshot, gm, 7th March 2010

Prolight + Sound, Hall 8.0/Booth A22

Press image: DSP600_persp_left_sm.jpg



Pioneering: the DSP 600 digital sound system processor from DYNACORD

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