

jünger

DOLBY® DP-SERIES REPLACEMENTS

TECHNICAL RECOMMENDATION



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Dolby® D, D+ and E Workflow Devices

In the past Dolby® offered a wide range of professional tools to ensure a smooth and reliable Dolby® D, D+ and E production workflow. These devices are discontinued and no longer available. The DP-Series included the following devices:

- DP570 - Multichannel Audio Tool
- DP571 - Dolby® E Encoder
- DP572 - Dolby® E Decoder
- DP569 - Dolby® D Encoder
- DP563 - Pro Logic II Encoder
- LM100 - Loudness & Dialnorm Meter

RECOMMENDED REPLACEMENTS

As a Dolby® premium partner Jünger Audio offers a wide portfolio of products to replace these devices which still are essential tools in a professional Dolby® workflow.

The replacements for the Dolby® DP-Series devices are based on the Jünger Audio D*AP8 unit equipped with an optional Dolby® codec module running the necessary licenses.

The modern design allows for aftermarket expansion with additional encoder and decoder licenses. One codec module can hold one all format decoder as well as one encoder for either Dolby® D and D+ or Dolby® E.

The D*AP8 (FLX or MAP) base unit can hold up to two optional interfaces which may for example be fitted with an optional 3G/HD/SD-SDI interface (with video and audio delays), MAD1, Dante™, AES3 or analogue interfaces.

Direct Replacements

Listed below are the original Dolby® DP-Series devices and their direct replacements from the Jünger Audio portfolio. For detailed technical information on listed items, please get in touch with our technical support.

DOLBY® DP569 – DOLBY® D ENCODER



- D*AP8 FLX or D*AP8 MAP – Base Unit
- O_DAP8_Dolby®_a – Dolby® Codec Module
- L_DAP8_Dolby®_DENC_b – Dolby® D/D+ Encoder License

DOLBY® DP571 – DOLBY® E ENCODER



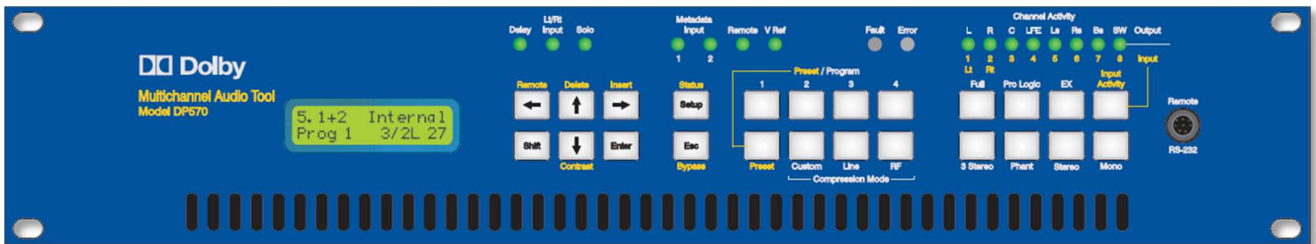
- D*AP8 FLX or D*AP8 MAP – Base Unit
- O_DAP8_Dolby®_a – Dolby® Codec Module
- L_DAP8_Dolby®_EENC_b – Dolby® E Encoder License

DOLBY® DP572 – DOLBY® E DECODER



- D*AP8 FLX or D*AP8 MAP – Base Unit
- O_DAP8_Dolby®_a – Dolby® Codec Module
- L_DAP8_Dolby®_DEC_b – Dolby® D/D+/E Decoder & Metadata Emulation License

DOLBY® DP570 – DOLBY® MULTICHANNEL AUDIO TOOL



- D*AP8 MAP – Base Unit
- O_DAP8_Dolby®_a – Dolby® Codec Module
- L_DAP8_Dolby®_DEC_b – Dolby® D/D+/E Decoder & Metadata Emulation License
- O_DAP_8DA_a – Eight Channel Analog Output

DOLBY® LM100 – DOLBY® BROADCAST LOUDNESS METER



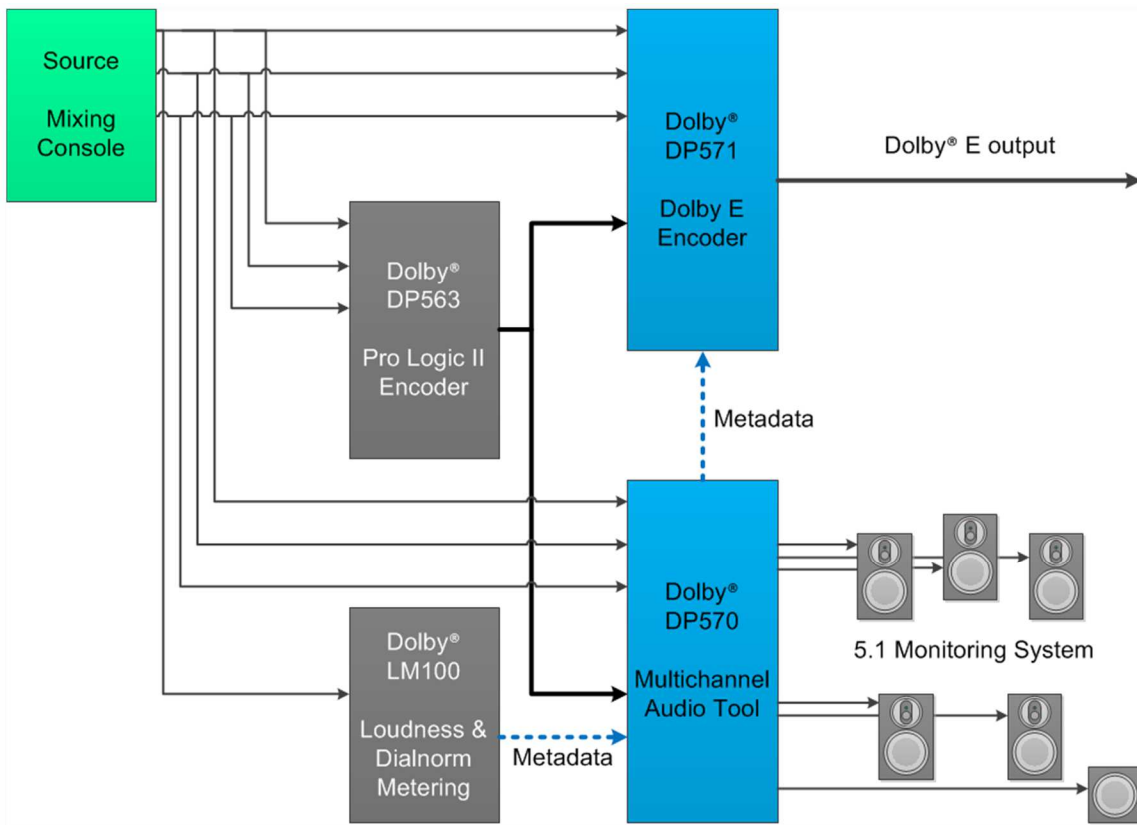
- D*AP8 FLX or D*AP8 MAP – Base Unit

Classic Combinations – Many in One

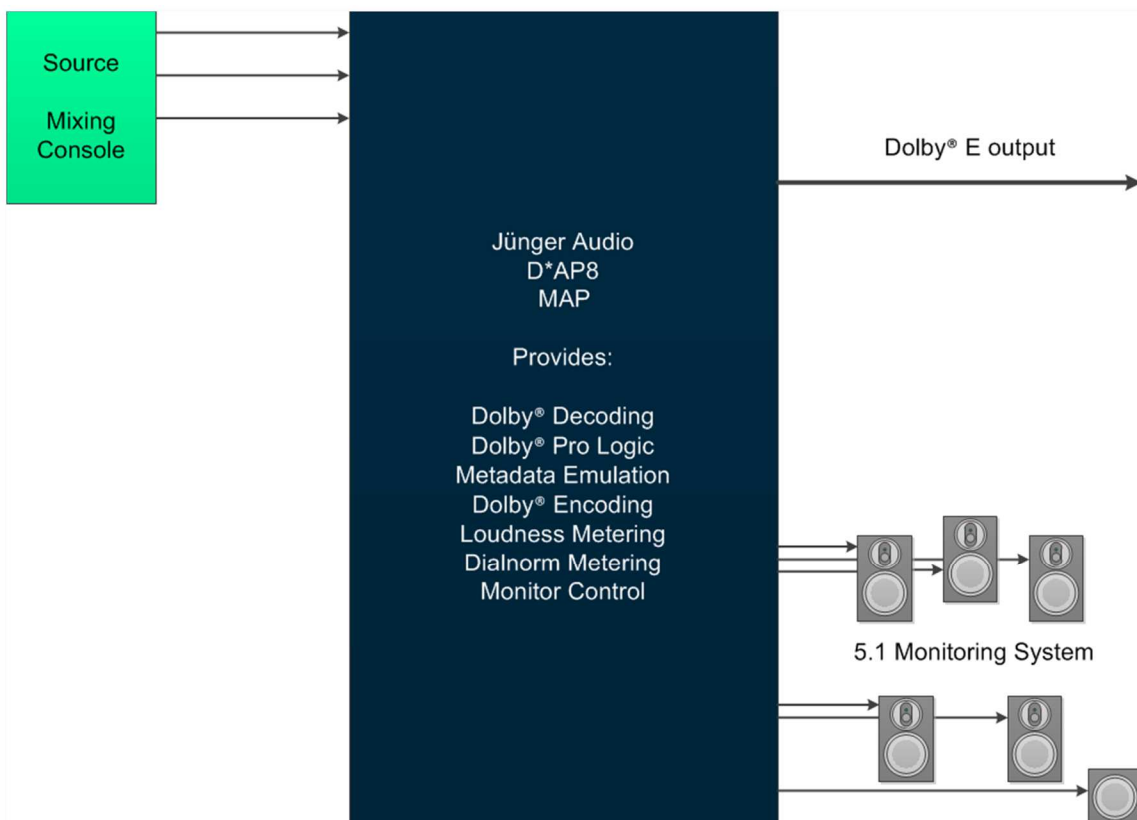
One D*AP8 can replace several DP-Series devices at once!

For example one single D*AP8 MAP can be equipped with a Decoder and two Encoders to replace up to six DP-Series devices!

Example Combination 1 - Traditional Dolby® DP-Series Workflow:



The same configuration with one D*AP8 MAP device as DP-Series replacement:



Another classic example is the combination of a DP572 Dolby® E Decoder and a DP569 Dolby® D Encoder performing audio transcoding before multiplexing into a DVB stream for satellite, cable or terrestrial ATSC transmission.

Compared to the original solution with two 1RU boxes and external SDI de-embedders, embedders and video delay processors (lip sync), this example configuration can be covered with just one 1RU D*AP8:

- D*AP8 FLX or D*AP8 MAP – Base Unit
- O_DAP8_Dolby®_a – Dolby® Codec Module
- L_DAP8_Dolby®_DEC_b – Dolby® D/D+/E Decoder & Metadata Emulation License
- L_DAP8_Dolby®_DENC_b – Dolby® D/D+ Encoder License

By adding a 3G/HD/SD-SDI interface this becomes the highest density solution on the market:

- O_DAP8_SDI_a – 3G/HD/SD-SDI Interface

Modern Interfacing

All Jünger Audio D*AP devices are connected by Ethernet and entirely controlled only by a standard browser with no additional plug-ins or add-ons. The standard web interface provides full access to all Dolby® parameters and audio functionality. On top, the D*AP8 MAP **accessDP** interface is specifically designed for daily operation in Dolby® workflow facilities. It provides convenient monitor control and Metadata handling and is optimized for touch display device use:



accessDP – the Jünger Audio Dolby® workflow interface – exclusively featured in the D*AP8 MAP

Conclusion

All discontinued Dolby® DP-Series devices can be replaced with Jünger Audio's D*AP8 devices FLX or MAP with additional benefit of less space and power consumption, extended audio and video interfacing and a modern user interface never available before.



About Jünger Audio

Established in Berlin in 1990, Jünger Audio specializes in the design and manufacture of highest quality digital audio dynamics processors. Jünger Audio has developed a unique range of digital processors that are designed to meet the precise needs of the professional audio market. All Jünger Audio products are easy to operate and are developed and manufactured in-house, ensuring that the highest standards are maintained throughout. Jünger Audio's customers includes the world's top radio and TV broadcasters, IPTV providers, music recording studios and audio post production facilities. Jünger Audio is a brand owned and operated by woks audio GmbH.

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