Qx | QxL | QxP
Advanced Toolset Option

PHABRIX®
A Leader Company

Dolby® E Decoder and Metadata Analyzer
[PHQXO-DOLBY | PHQXLO-DOLBY | PHQXPO-DOLBY]

Overview

The Dolby E Decoder and Metadata Analyzer option provides a clear and accessible view of the Dolby E metadata present in a selected Dolby E or ED2 audio stream. It also enables you to check the correct timing of Dolby E packets in the audio signal in an SDI or ST 2022-6 broadcast chain.

You can check whether the Dolby E/Dolby ED2 is created correctly and transferred transparently by network equipment such as routers, switchers, satellite links, etc.

You can also choose to monitor the Dolby® audio from any of the SDI/2022-6 embedded audio, 2110-30/-31 or AES inputs. The decoded output and downmix can be metered, monitored, Loudness measured, and routed to AES outputs.

Key Features

- Display the Dolby E metadata present in a Dolby E or ED2 audio stream
- Check the correct timing of embedded Dolby E and ED2 in SDI and 2022-6 payloads
- Display 16 audio meters together with peak level indicators and indication of audio pair correlation
- Detect Dolby E, Dolby ED2, Dolby D and Dolby D+ streams
- Display Dolby E source, line positioning (SDI, 2022-6), dialogue level and downmix program source

Dolby Metadata Analyzer

Source Pair/Channel of the Dolby Bitstream

Dolby Begin/End Gain Values for Each Source Signal

Program-dependent Metadata for Dolby E Program 1

Program-dependent Metadata for Dolby E Program 2

- Displays the Dolby E metadata present in the selected Dolby E or ED2 audio stream
- Enables you to check the correct timing of embedded Dolby E and ED2 in SDI and 2022-6 payloads
- Check that the Dolby E metadata has been created correctly for multiple programs using the easy to read metadata display
- You can choose to monitor the Dolby audio from any of the SDI, ST 2022-6 or 2110 input embedded audio pairs/channels or the AES input
- Dolby stream CRC error detection and display

Dolby Detection in Audio Metering

Group Pair Labels

Stereo Pair Selectors

Mono Channel Solo Bus Selectors

Detect any Number of Dolby E, ED2, DD and DD+ Pairs
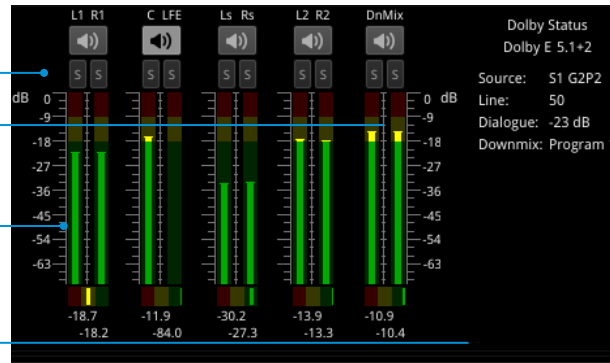
Numeric Values of Each Meter (dBFS)

- Displays 16 audio meters together with peak level indicators and indication of audio pair correlation
- Dolby E, Dolby ED2, Dolby D and Dolby D+ streams are detected by the system with Dolby stream presence indicated in blue
- For an SDI or ST 2022-6 signal carrying embedded Dolby E audio, the Dolby E timing line number is also displayed below the detector, either as an absolute value or relative to the Ideal line number specified for that video standard

Correlation Indicator for Each Audio Pair

Dolby Timing Line Number Absolute or Relative to Ideal

Dolby Decoder Metering and Status

8 Channels Automatically Identified from Dolby Program Metadata

2 Channels for 2.0 Stereo Downmix of Selected Dolby Program

8 Channel Audio Metering for Dolby E, and 2 Channels for Downmix

Dolby Decoder Panel and Status Information

- When the Dolby E decoder is selected as the metering source (ST 2110, SDI or 2022-6 mode), the view of the analyzer changes to display the 8 channels of decoded Dolby E audio as well as the stereo 2.0 downmix
- The meter channel identification is automatically configured from the Dolby program metadata
- Display of Dolby E source, line positioning (SDI, 2022-6), dialogue level and downmix program source

Available for:

- **Qx Rasterizer**
- **QxL Rasterizer**
- **QxP Waveform Monitor**

Order codes:

[Qx] PHQXO-DOLBY - Dolby E Decoder, Metadata Analyser, LtRt/LoRo downmix, metering

[QxL] PHQXLO-DOLBY - Dolby E Decoder, Metadata Analyser, LtRt/LoRo downmix, metering

[QxP] PHQXPO-DOLBY - Dolby E Decoder, Metadata Analyser, LtRt/LoRo downmix, metering

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