PHABRIX®
broadcast excellence

DOLBY Metadata Generation

Rx OPTION

The Dolby Metadata Generator software option (PHRXO-BDG) allows generation of Dolby-E, Dolby Digital and Dolby Digital Plus pre-encoded test signals to check that they are transferred transparently through the broadcast chain unaffected by routers / switchers, satellite links, etc.

The Dolby Generator is a system resource that can be used to embed a Dolby data stream in the audio channels of any generated SDI video or AES audio.
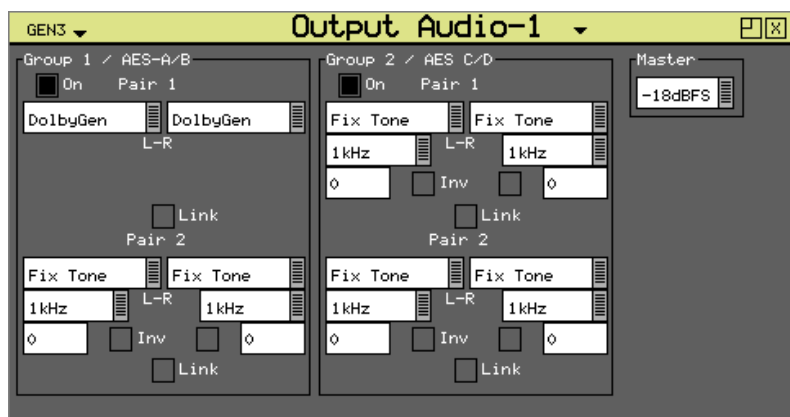
Dolby E, Dolby Digital and Dolby Digital Plus are audio encoding and decoding technologies developed by Dolby Laboratories.

Dolby E supports up to 8 channels of lossless compressed audio (mono, stereo, 5.1 or 7.1) for a primary programme and optional ancillary programs. This option allows generation of programme metadata types such as Dolby 7.1 (which uses eight channels to provide surround sound) that is in common use.

Dolby Digital (AC3) supports up to six channels of lossy compressed audio (mono, stereo or 5.1) that form a single 'program'. This option allows generation of Dolby 5.1 metadata (which uses all six channels to provide surround sound) that is in daily use.

Dolby Digital Plus supports up to 20 channels of lossless compressed audio (mono, stereo, 5.1, 7.1 up to 13.1) and optional ancillary programs. This option allows generation of programme metadata types such as Dolby 7.1 (which uses eight channels to provide surround sound) that is in common use.

The generated Dolby stream follows the video generator reference source and can be embedded on any SDI audio pair and output as an AES pair.
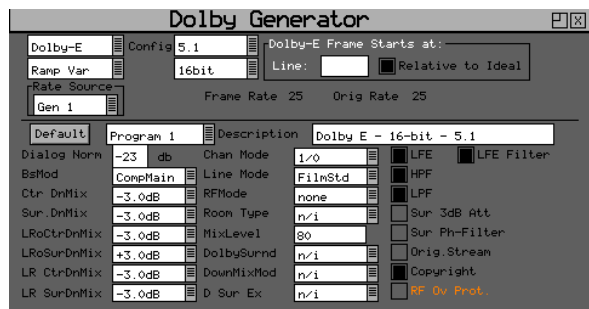
Dolby Generation

Dolby metadata generator display

FEATURE HIGHLIGHTS

- DOLBY E STREAMING SOURCE
- DOLBY DIGITAL STREAMING SOURCE
- DOLBY DIGITAL PLUS STREAMING SOURCE
- DOLBY STREAM ON EMBEDDED PAIR
- DOLBY STREAM ON AES PAIR
- ADJUST START OF FRAME FOR DOLBY E
- SET VIDEO LINE NUMBER FOR DOLBY E
- EDIT DOLBY PROGRAM INFORMATION
- EDIT DOLBY METADATA

APPLICATIONS

- R&D / TEST DEPARTMENTS
- SYSTEM INTEGRATORS
- SUPPORT ENGINEERS

AVAILABLE FOR

- PHRXM-AG MODULE
- PHRXM-AGE MODULE
- Rx2000 INSTRUMENT CHASSIS
- Rx1000 INSTRUMENT CHASSIS
- Rx500 INSTRUMENT CHASSIS

ORDERING INFORMATION

Option Code	PHRXO-BDG

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Phabrix® Limited

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