



PHABRIX[®]
broadcast excellence

DOLBY D / D+ / E ANALYSIS AND GENERATION

This option is the combination of two options: PHSXO-DA and PHSXO-DG. Therefore, it allows the display of Dolby D/D+/E meta data present in a selected audio stream and it can also generate Dolby D/D+/E streams from a wide section allowing engineers to enter and adjust parameters to check broadcast infrastructure.

Just like the Dolby D/D+/E Analysis option, this combined option can determine if the Dolby packet is timed correctly on the SDI video stream. Also, the Dolby D/D+/E may be monitored from any of the SDI input embedded audio channel pairs or the AES input.

During use the new start menu window displays both the V Bit information and PCM values along with a snapshot of the Dolby D/D+/E metadata if a Dolby signal is present. Using the Signal Information menu, Dolby D/D+/E will present the full analysis display.

The Dolby D/D+/E metadata screen shown below carries primary information including signal source, Dolby 'guard band' timing, CRC errors, program channel and metadata detail. The characters shown in white will only be present when a Dolby D/D+/E signal is introduced into the unit.

These include:

Config	Frame rate
Bit depth	Timecode
CNC error count	

Program Information

Channel(s) Start and End gain	Description
Dialog level	Mix levels

The peak audio levels included in the Dolby D/D+/E meta data packet are displayed on the Audio>Meters page. Select the appropriate set of meters to display Dolby levels which will follow the selected Dolby D/D+/E source.



Dolby E Timing, Program and Metadata display

Note: Dolby E audio will not be decoded.



Dolby E meter display

FEATURE HIGHLIGHTS

- DOLBY D/D+/E ANALYSIS
- 8 CHANNEL VIEW SIMULTANEOUSLY
- DOLBY 'GUARD BAND' TIMING
- METADATA VIEW
- CRC ERROR DETECTION
- PROGRAM INFORMATION
- LOGGING
- DOLBY D/D+/E STREAMING SOURCE
- PCM STREAM ON EMBEDDED PAIR
- PCM STREAM ON AES PAIR
- ADJUST START OF FRAME
- SET VIDEO LINE NUMBER
- EDIT PROGRAM INFORMATION
- EDIT METADATA

APPLICATIONS

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

AVAILABLE FOR

- PHABRIX[®] TAG (Requires PHSXT-GEN)
- PHABRIX[®] SxA
- PHABRIX[®] SxD
- PHABRIX[®] SxE

Represented in the Americas by



LEADER INSTRUMENTS CORPORATION

Toll Free 1-800-645-5104
Sales@LeaderAmerica.com

Tel 1-714-527-9300
www.LeaderAmerica.com



PHABRIX[®]
broadcast excellence

DOLBY D / D+ / E ANALYSIS AND GENERATION

This PHSOXBD-AG option is unique in being the world's first metadata Dolby generator with editable profiles.

With a selection of Dolby D/D+/E streams to choose from, engineers can quickly enter and adjust parameters to check broadcast infrastructure.

Dolby streams are provided for all program configurations with fixed audio data. Among the tools included in the Dolby D/D+/E streaming option is the ability to adjust the 'start of frame' for Dolby D/D+/E packets.

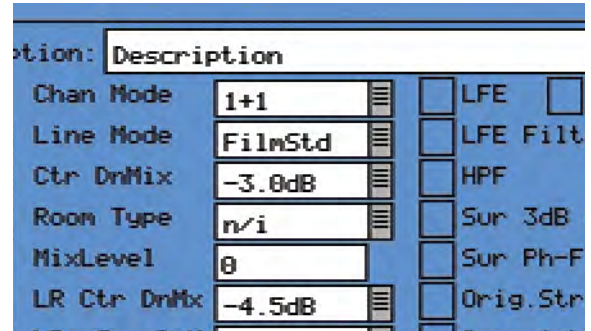
The generated Dolby D/D+/E follows the video generator reference source.

There is also the ability to edit the program configuration and bit depth with fixed audio signal.

The PCM stream can be carried on any embedded or AES pair.

The option can set the video line number where the internally generated Dolby D/D+/E test stream begins.

Meta data can be edited by the user and stored in memories.



Dolby E generation

Dolby E Generation + Analysis Option (PHSXO-DAG)

Specifications and features described herein are subject to change without prior notice. Please consult our website www.phabrix.com for the latest data. PHABRIX is a registered trademark.

LEADER INSTRUMENTS CORPORATION

Toll Free 1-800-645-5104
Sales@LeaderAmerica.com

Tel 1-714-527-9300
www.LeaderAmerica.com

Represented in the Americas by

LEADER