

What's new

Rx 9.06



NEW! - AV Delay Analyzer [PHRXMO-AVD]

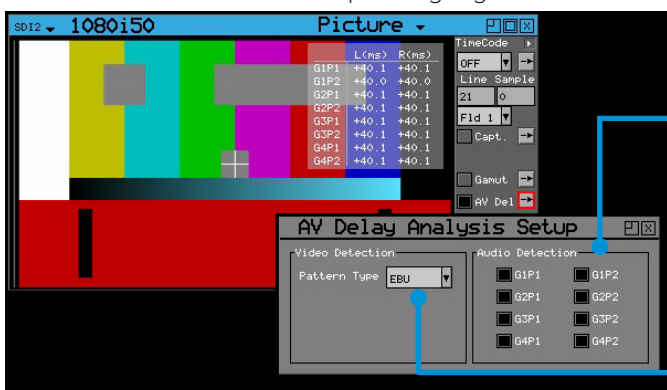
PHABRIX's AV Delay option for the Rx rasterizer, measures the audio-video delay through a broadcast workflow. The key features of the AV Delay option include:

- A real-time update of the differential delay between the video and up to 8 audio channel pairs
- Use with all Rx supported SDI video formats and frame rates
- Support for the measurement of two AV Delay test patterns: EBU Tech 3305 and LAWO V_line AV Sync test pattern
- Fully compatible with PHABRIX Sx AV Delay pattern generation and measurement

When analyzing an AV delay video test pattern and audio pulse, the differential delay between the video and all 8 audio channel pairs will be measured and displayed – with the display updated in real-time.

- A positive (+) measurement indicates that the audio pulse is lagging behind the video
- A negative (-) measurement indicates that the audio pulse is ahead of the video
- When video and audio are completely in sync, zero delay will be measured

The differential delay between the video and the selected audio is measured in 0.1ms steps (to an accuracy of 1ms) with an operating range of +/-400ms. The generator tool can be used to offset the source audio by XX ms which can be used to extend the measurement operating range to +/- XX ms.

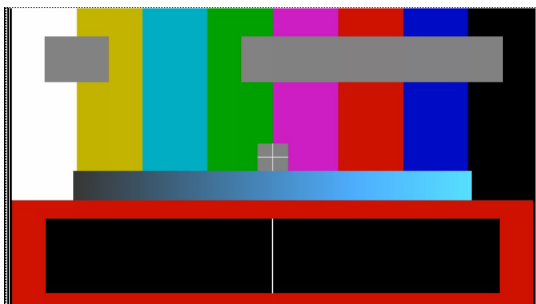


The following pattern types may be selected for analysis:

EBU
LAWO

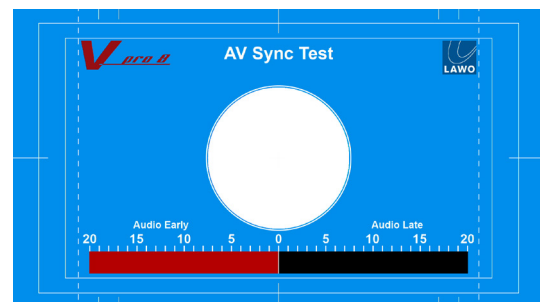
The following audio groups can be individually enabled for analysis:

G1P1	G1P2
G2P1	G2P2
G3P1	G3P2
G4P1	G4P2



PHABRIX modified EBU Tech 3305 AV Sync test pattern

- Provides a constantly moving 'clapperboard' that when it closes shows a vertical white 'flash' line for 1 frame
- When video and audio are in sync, the audio pulse will sound at the exact moment the 'white flash' appears
- If video and audio are out of sync, there will be a differential delay between the timing of these two events



The LAWO V_line AV Sync test pattern

- Provides a constantly moving progress bar.
- When the progress bar reaches the center frame of the test pattern a vertical white bar appears and a white flash appears in the center circle.
- When video and audio are in sync, the audio pulse should sound at the exact moment the 'white flash' appears.
- When video and audio are out of sync, there will be a differential delay between the timing of these two events.