

# EXEL Line for Broadcast



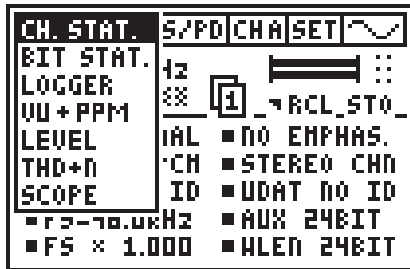
Exel Line: Digirator DR2 with Digilyzer DL1

## Applications

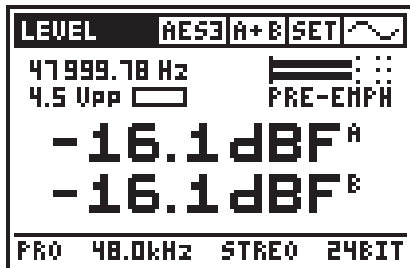
- Alignment of system levels
- Surround sound setup and verification
- Verify system performance of digital and analog audio systems
- Maintenance and periodic performance check
- Applause-meter for live sound events

## Advantages

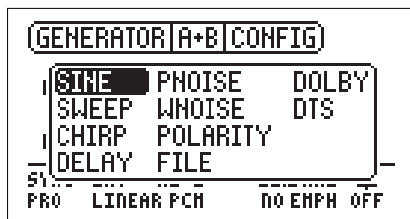
- Dual-domain signal monitoring with installed speaker
- Handheld and powerful signal generator and analyzer
- Improved efficiency with dedicated measurements for digital broadcast systems
- Calibrated digital measurement system



DL1 Screenshot Channel Status



DL1 Screenshot Channel Status



DR2 Screenshot Test Signal Menu



Digital Audio Set

### Digilyzer DL1 Functions

- Digital audio analyzer  
Testing, monitoring and troubleshooting of digital audio interfaces AES3, S/PDIF, TOS-Link, ADAT, AES 3id (75 Ohm).
- Event logger  
Intermittent faults are usually hard to find. The event logger tracks every change of the input signal (carrier-, channel status- or audio related) and allows long term monitoring. Possible problems are highlighted automatically.
- Audio monitoring  
The built in speaker allows listening into analog and digital audio lines with an automated gain control.

### Digirator DR2 Functions

- Occupation of transmission lines  
The signal generator DR2 generates digital voice sequences to occupy broadcast lines until they are required for data transmission. Analog audio systems are served by the MR-PRO.
- Digital delay  
Measures the propagation delay between the DR2 output and the XLR sync input (which accepts AES3 signals). Results are displayed in seconds and video frames.
- Transparency of Dolby signals  
The DR2 tests whether a transmission channel is transparent for nonlinear PCM signals and indicates if Dolby E, Dolby Digital and/or DTS bit streams can pass.
- Synchronization  
The DR2 accepts AES3, DARS, Word Clock and Video Black Burst (PAL and NTSC) synchronization signals. The input impedance of the sync input may be switched between 75 Ohm, 110 Ohm and High Z.

### Applause-Meter for Live Sound

- The XL2 Audio and Acoustic Analyzer serves as an applause meter for live shows. It measures the actual applause level and shows the results in big numbers on a connected PC.

Order Information	NTi Audio #
Digital Audio Set includes Digilyzer DL1, Digirator DR2 and accessories	600 000 272
Digilyzer DL1	600 000 200
Digirator DR2	600 000 320
Exel Acoustic Set Class 2 with M4260 Measurement Microphone	600 000 400

For more information please visit [www.nti-audio.com/exel](http://www.nti-audio.com/exel).