

# ANNA-LISA

MADI ANALYSER & SIGNAL GENERATOR



DirectOut GmbH  
Leipziger Str. 32 | D-09648 Mittweida  
info@directout.eu | www.directout.eu

**DirectOut**  
TECHNOLOGIES

## MANAGING MADI!

### ANNA-LISA

is a compact, handheld MADI analysis tool and signal generator for MADI. Battery powered, it is an essential tool for engineers in broadcast facilities, OB vehicles, touring PA systems working with MADI.

Analysis results are displayed via LEDs on the front of the device allowing engineers to rapidly confirm the integrity of MADI signals of all types, and to identify any problems occurring as a result of MADI transmission.

Remote software delivers access to extended analysis and configuration of test signals, broadening the application to systems engineering and product development labs.

### Foolproof operation

A single button is used to step through a sequence of parameter checks. The results are displayed using a "traffic light" system: a red (fail), yellow (OK, but marginal) or green (good) LED illuminates to provide a clear and immediate indication of the selected signal parameter.

### Comprehensive analysis

- AES10 conformity
- Sample rate
- MADI format (channel, frame)
- Signal amplitude
- Jitter
- Signal level and Jitter combined

For even more detailed analysis and configuration options, the device may be connected via Bluetooth® to a mobile device running ANNA-LISA Remote.

### Signal generator

Standard MADI streams can be configured on the device itself. Four presets store detailed settings for signal sources (white/pink noise, sine wave, musical test tone, input signal), gains and MADI settings.



## TECHNICAL DETAILS

MADI Ports (I/O):	1 x coaxial BNC, 75 Ω 1 x SFP (empty cage without module)*
Sample Rates:	32, 44.1, 48, 88.2, 96, 176.4, 192 kHz (+/- 12.5 %)
MADI Formats (I/O):	48k Frame, 96k Frame, 56/64 channel, S/MUX
USB:	USB 2.0 for firmware updates and remote control
Bluetooth®:	v2.0+ EDR support
Power Supply: Operating Time:	integrated battery- rechargeable via USB about 2 h (fully charged, depending on environmental conditions)
Dimensions:	Width 120 mm Height 90 mm Depth 28 mm
Weight:	about 0.2 kg
Accessories:	SFP modules (LC single-mode or multi-mode) Transport case

### ANNA-LISA Remote (ANDROID™ \*) offers access to more features:

- Level metering
- AES3 channel status read out
- Channel based routing & gain control
- Extended control of signal generator

### Multiple connection options

ANNA-LISA provides a coaxial BNC and an SFP MADI port. The latter can be equipped with a variety of SFP modules depending on the application. The MADI outputs are independently configurable and can pass through either input. A USB port allows for battery charging and firmware updates.

A Bluetooth® module enables connection to mobile devices running the remote software (ANDROID™).

\* available in Google Play Store

