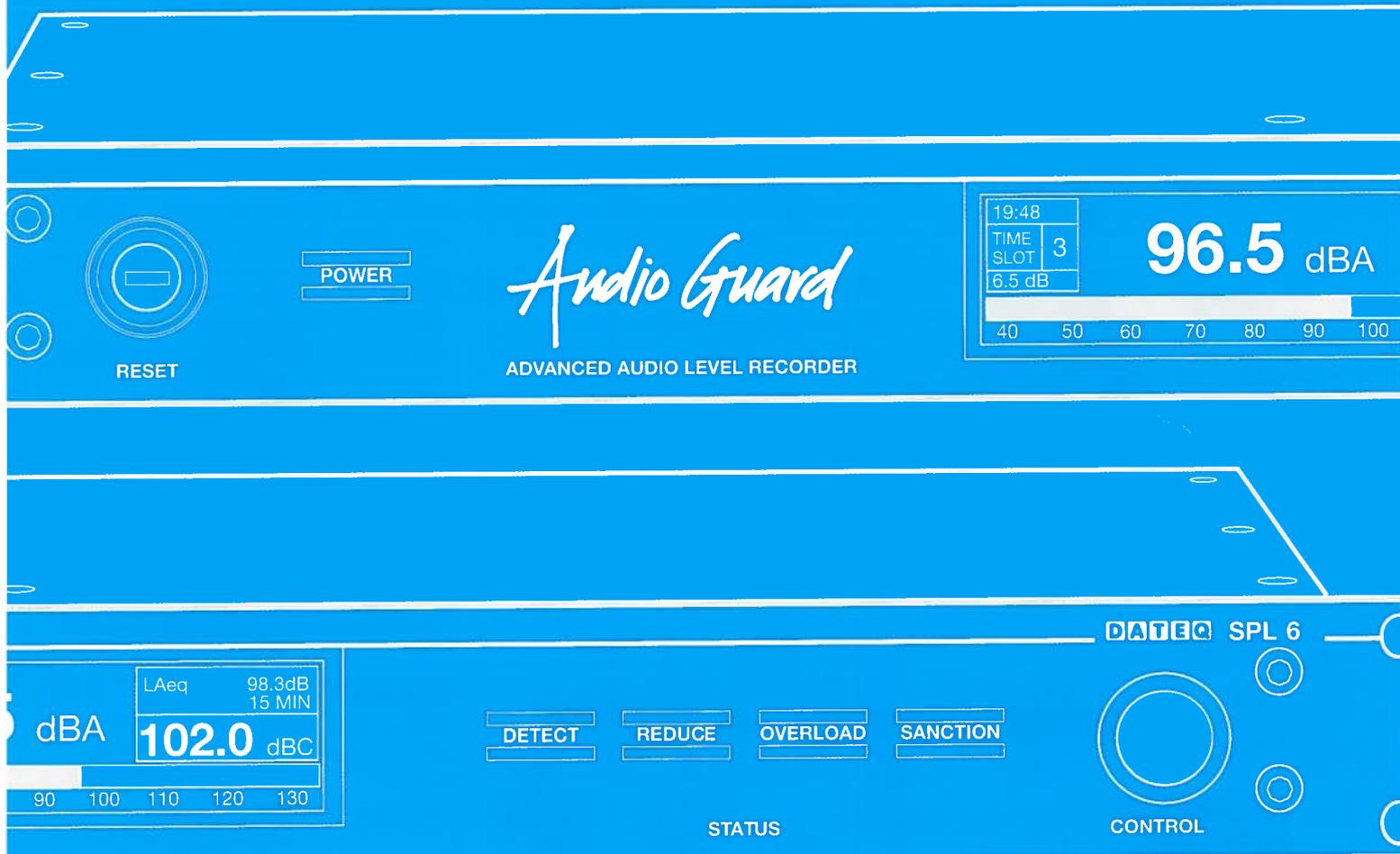


DATEQ
audio technologies

SPL 6

ADVANCED AUDIO
LEVEL RECORDER



SPL 6 *Audio Guard*

Worriess sound control

Many local governments obligate installation of sound level limiters when neighbours start complaining about noise disturbance. The Dateq SPL limiters have become the benchmark of this industry. With the arrival of the SPL6 is a new standard is born.



“Enthusiastic audience is of course what every business owner wants. However, this should not be at the expense of the music...”

SPECIAL LICENSE REQUIREMENTS? NO PROBLEM!

Besides the regular dB (A) standard the SPL6 also takes into account low frequencies in dB (C) and overshoots dB peak within the music. The exclusive 10 bands octave limiter allows the reduction of single frequency bands. Also the average sound pressure (Leq) is being calculated over different periods and weightings (Leq and LAeq LCEq). This makes the SPL6 very useful for live events.

APPLAUSE RECOGNITION!

Enthusiastic audience is of course what every business owner wants to see. However, this should not be at the expense of the music. The SPL6 has been fitted with correlation detection. The detection compares the original music and the measurement from the microphone. Noisy public will not effect the operation of the limiter

DATEQ DISTORTION FREE DYNAMICAL LIMITER SYSTEM

The word limiter sometimes has a bad taste for users. I causes limitations, rather than advantages. Dateq SPL limiters use a refreshing new technique without disturbing effects like pumping and distortion.

This is due to the fact that our limiters are not peak limiters. They keep the acoustical average sound level below the set threshold while leaving the dynamics merely untouched. Short peaks and dynamics stay untouched. The special designed core continuously monitors and controls the output signal to the maximum set value.



SPL6 microphone



CLARITY!

With a clear display shows the SPL-D2 in red when the music is too loud.

Display in dBA, dBC and Leq.



Installation example

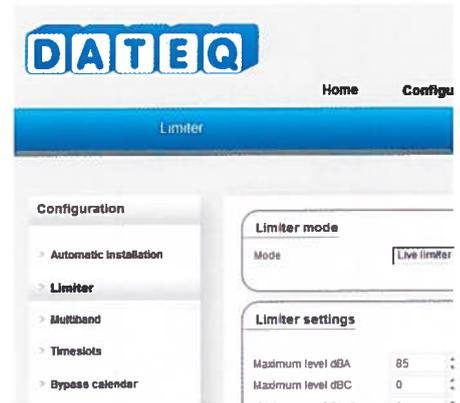
CONFIGURATION

The SPL6 settings can be viewed and adjusted* using the internal secure website



ADVANCED REGISTRATION

The SPL6 is fitted with extensive registration. All sound data of the past period are stored and can be sent out automatically through email or FTP.



NEW GUIDELINES MUSIC SPECTRA

Authorities are using the new guidelines music spectra more and more. Octave limiting offers the solution!



OCTAVE PEAK LIMITER

The octave limiter provides additional peak limiter to limit nuisance frequencies. So can be produced up to 12dB additional within license!



REPRESENTATION

The SPL6 has a clear display where all sound, history, spectrum and setting information are easily viewed. The display view can be adjusted.

SPL 6

Audio Guard



USER FRIENDLY

- Simple installation
- Clear settings
- 3 adjustable timeslots
- Year calendar
- User friendly interface
- Network (internet) connection
- Tablet or computer readout
- Automatic reports
- No driver or software installation
- Solid casing
- High quality design

TECNICALLY ADVANCED

- dB(A), dB(C) and dB-peak
- LAeq and LReq with adjustable time
- Linear limiting
- 10 band limiting
- 10 band EQ
- According IEC61672-1
- Measurement microphone
- Fraud detection
- 365 day logging
- External linkable display



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WARNING: TO PREVENT RISK OF ELECTRIC SHOCK, DISCONNECT POWER CORD BEFORE SERVICING. CHECK USER MANUAL OR WWW.DATEQ.NL FOR OPERATION AND MAINTENANCE DETAILS

AUDIO XLR PINOUT

- 1 Frame
- 2 Audio In or Out +
- 3 Audio In or Out -

DISPLAY PINOUT

- Tip TX Data
- Ring RX Data
- Sleeve Ground

SIGNALLING INTERFACE PINOUT

- | | |
|---------------------------|-------------------|
| 1 External Attenuation In | 14 Digital Ground |
| 2 Reduction Out | 15 Digital Ground |
| 3 Overload Out | 16 Digital Ground |
| 4 Live OK Out | 17 Digital Ground |
| 5 Warning (Red) Out | 18 Analog Ground |
| 6 Active (Yellow) Out | 19 Analog Ground |
| 7 Safe (Green) Out | 20 Analog Ground |
| 8 External Display | 21 Mic In |
| 9 Mic In + | 22 Audio In L |
| 10 Audio In L + | 23 Audio In R |
| 11 Audio In R + | 24 Audio Out L |
| 12 Audio Out L + | 25 Audio Out R |

DATEQ

SPL 6

SERIAL NUMBER

Audio Guard

ADVANCED AUDIO LEVEL RECORDER



INPUTS

Mic (measurement mic) XLR-3 female.
Only use the original DCM-5 mic

Line (left and right) XLR-3 female.
Electronically balanced.
- Max input level: +18dBu
- Input impedance: 50kOhm
- Common-mode rejection: >86dB

AUDIO

Frequency response 5Hz.....22kHz @ -1dB

Signal / noise ratio >80dB

THD+N (IEC-A) <0.06%

LIMITER

Threshold 70 ... 120dBA (resolution 1dB)

Output correction -50 ... +18dB (resolution 0,5dB)

Mic correction -40 ... +18dB (resolution 0,5dB)

Max attenuation adjustment -6 ... -50dB (resolution 0,5dB)

DIMENSIONS AND WEIGHT

Front 483mm x 45mm (bxh) = 19inch/ 1HE

Depth 175mm

Weight 2.7kg

OUTPUTS

Line (left and right) XLR-3 male.
Electronically balanced.
- Output impedance: 50Ohm

MEMORY

4 GB SDHC

365 days* sound pressure information (resolution 1 second)

365 days* event memory

1GB live recording

EXTERNAL CONNECTIONS

External attenuation 0 ... -20dB
(10kOhm lin. potentiometer)

Signalling and switching outputs 24V/5mA max.

POWER SUPPLY

Supply voltage 220 ... 240VAC / 50Hz

Power usage 15W

ADVANCED AUDIO LEVEL RECORDER

*Sound level data and event logging are stored for maximal 365 days or less when memory is full. The memory system will delete and override oldest data first.