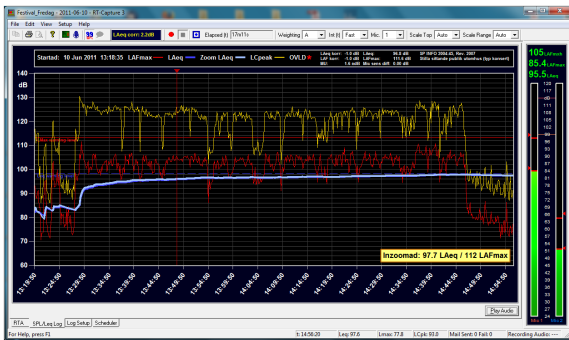
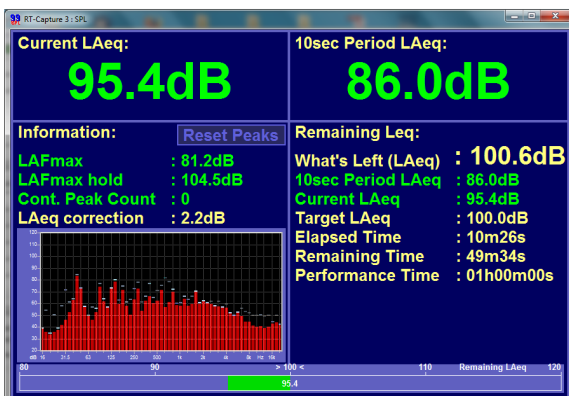


RTA & Sonogram View



SPL/LEQ Log View



SPL Display - A free floating window that show the the important readings and remaining LEQ

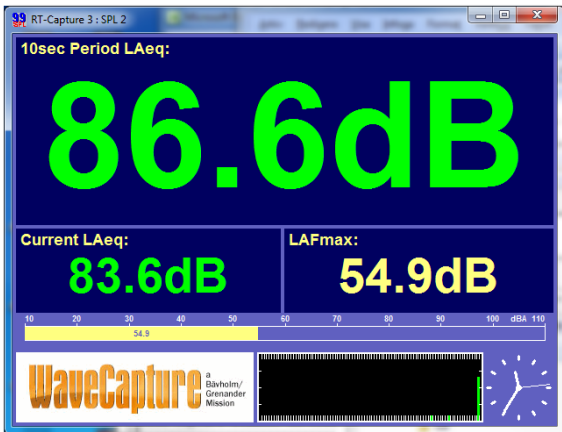
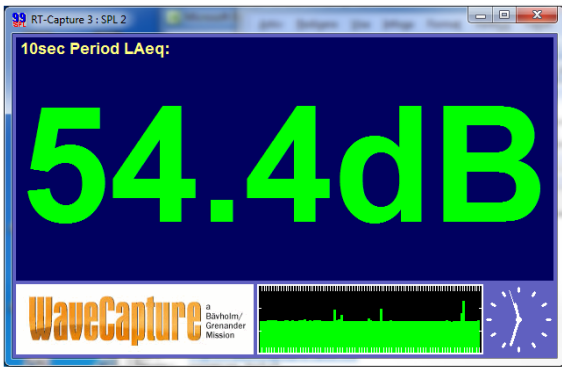
Sound level logging and RTA/Sonogram analyzer

RT-Capture 3

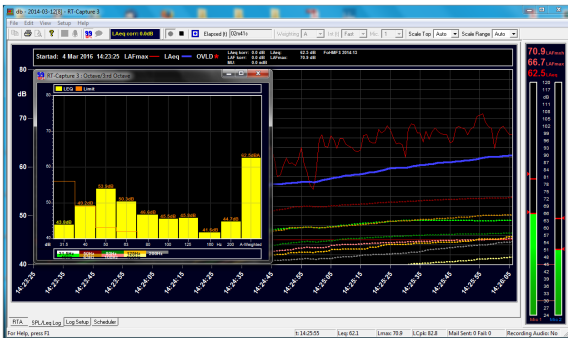
- RT-Capture 3 is a SPL (Sound Pressure Level) logging software supporting a number of national and international standards. It is intended for self-governance of sound levels during music events, concerts and festivals
- RT-Capture 3 has octave and third octave logging implemented for environmental noise control
- RT-Capture has integrated networking for web-server over LAN and remote control and display of up to 250 units
- RT-Capture uses a standard PC-soundcard and supports measurements from two microphones
- RT-capture records a log-file with SPL-data (such as Leq, LAmx, LCpeak) and make compressed sound recordings of the audio signal
- The log-file can be watched graphically and audio can be played back from a cursor point in the graph. The SPL-measurement is validated to the IEC 61672 standard and other international standards
- Protocol according to several national standards can be printed. A scheduler can be set to email the log-file during logging

KEY Features

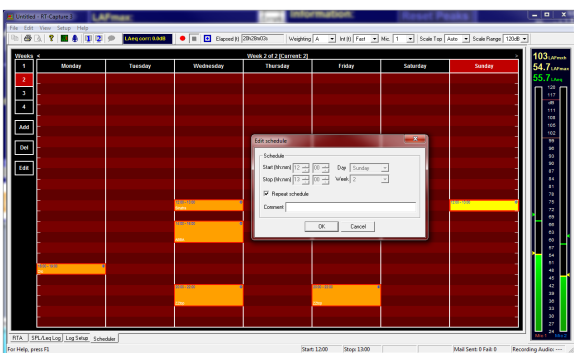
- RT-Capture uses a stereo soundcard and supports 2-channel measurements
- Built-in microphone calibration and frequency compensation
- All settings can be password-protected and can be saved to a user-preferences file
- SPL metering according to IEC 61672 standard
- Built-in weighting filters: A, C, AU and Z (flat)
- Selectable time response; Slow (1s) / Fast (0.125s)
- Instantaneous SPL Metering (RMS and Peak)
- Six different Equivalent Continuous SPL, Leq, are calculated simultaneously; Continuous, Current, Short time (User time), Remaining, Period and Running Leq
- All SPL data is event-logged and can be recorded to a log-file along with additional information
- Records compressed audio-files for verification, OGG file format
- Logging can be started by a graphical scheduler
- Automatic filename generation
- SPL log-file can be printed in selected time period
- SPL log-file can be exported as tab-separated text format
- SPL log-file can be emailed periodically



SPL Display 2; simple public display



Octave or Third octave Leq Band view



Graphic Scheduler Tab

RTA Features

- Dual-channel real time spectrum analyzer and running Sonogram simultaneously in the same window
- 1/1 to 1/24 octave resolution RTA
- Real time spectrum analysis display of both inputs (individually, overlaid or RMS-sum)
- A novel Dynamic Difference RTA shows the power transfer function between the channels
- Staircase or Bar Graph display modes
- Selectable IEC or Scientific frequency scales
- -100 to 200 dB magnitude scaling
- Built-in, synchronised noise generator

SPL Display Features

Two different SPL-displays can be defined independently

- One dedicated Leq value has user selectable time period (10s–1h)
- “User Leq” is useful to verify sound level adjustments
- “Remaining Leq” gives a guide to how much there is left to reach a target Leq after the performance period
- Peak quantities like LCpeak, LCpeak-hold, LAFmax and LAF-Max-hold can be displayed simultaneously
- Continuous and periodic Peak Counter: Counts if the peak quantities are above the limit
- Web server for displaying SPL values over LAN to PCs and smart phones

Hardware Requirements Computer

- PC with Win7 to Win10. 32 or 64bits
- CPU: 2 GHz or faster Intel i3 or better. Two or more cores
- RAM: 4 GB min
- Display: minimum 1024 x 768 pixels, 16 bit color
- Soundcard: Windows compatible (Wave/WDM or ASIO) stereo inputs and outputs, 24-bit/44.1k to 24bit/192k sampling, with full duplex (simultaneous play and record) capability
- 1024 samples is the minimum required buffer size



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