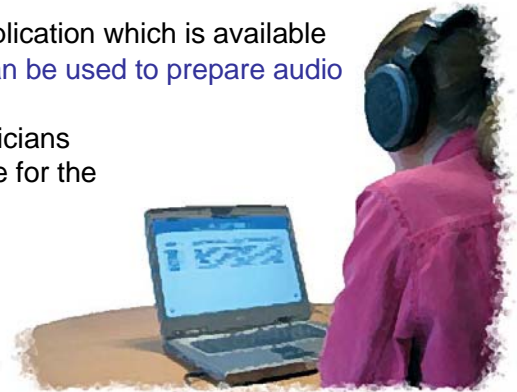


Evaluate the Sound Quality of your product

dBJury testing is a stand alone sound evaluation application which is available as stand alone or as a module of *dBsonic suite*, which can be used to prepare audio files for Jury evaluation.

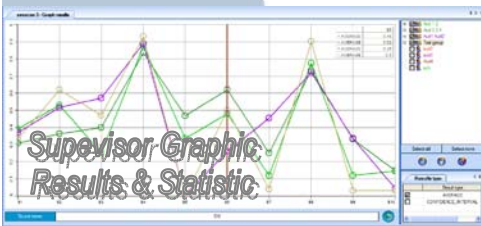
It has been developed in partnership with psycho acousticians of international fame and represent an advanced software for the ranking of sound on a perceptual scale.

It is based on a subjective, statistical procedure which involves the creation of a session composed of a set of sounds and the use of individuals which have to evaluate the sounds (or pairs of sounds) according to a question defined by the supervisor.



KEY BENEFITS

- TCP/IP communication between a server application which controls the sessions database, and listener applications deployed on different PCs
- Safe databases stored on a unique PC.
- The results of the test are transferred in real time from the listener workstation
- The listeners are completely autonomous.
- The sound evaluation can be performed at any time or at the same time, and at any place in the world without the assistance of a master person.
- The best algorithms and facilities for a relevant sound ranking
- Statistical algorithms implemented from the latest research of reputed research labs
- Creation of groups of listeners for comparative analyses
- Exportation of results for correlation with psychoacoustic parameters
- Exportation of preferences results for further analyses



Session name	Results number	Status	Supervisor comment	Listener comment
Evaluation of buzzers	0	Preparing	This session for the evaluation of different buzzers	You will have to evaluate different buzzers
Evaluation of car doors	0	Open	This session for the evaluation of different car doors	You will have to evaluate different car doors

Name	Original File	RMS level (dB)
Sound8	Sound8.wav	73.9
Sound1	Sound1.wav	93.9
Sound2	Sound2.wav	81.9
Sound3	Sound3.wav	81.9
Sound4	Sound4.wav	80.1
Sound5	Sound5.wav	80.1
Sound6	Sound6.wav	81.8
Sound7	Sound7.wav	81.8

Label	Value (%)
A >> B	0
A > B	25
A = B	25
A < B	25
B >> A	0

Supervisor Graphic Console

dBJurY System Specifications

Sound calibration

Importation of calibrated wav files
Possibility to adjust the sound level manually or with a volume control
Calibrated levels for different sound cards

Headphone equalization

Provision of standard equalization filters (real-time effective)
Possibility to extend the list of equalization headphone filters (on request)

Methodology and statistical analyses

Minimization of the evaluation subjectivity: *wizard graphical principle, minimum choice principle, autonomy principle*,
Methods of evaluation: *absolute, paired comparison and mixed approach*
Paired comparison according to Linear, Thurstone V, and BTL methods

Sessions set up

Creation/edition/modification/duplication of sessions,
Possibility to define 3 modes for each session: preparing, open and close

Follow-up of the session in progress

Indication of the evaluation stage for each listener in the supervisor application
Possibility to identify the listeners connected to the Jury testing server

Data edition and Export

Group set-up
Mean and confidence interval display
Curves overlapping
Cursor for sound selection and playback
Preference result exportation in HTML format
Copy/paste of graphics
Exportation of the analysis results

Accessories

Optional dBSONic Sound Quality software

dBSONIC Basic Module & Frequency Analysis: playback, SPL, Third-octave and FFT analysis - Tonalness (Prominence ratio and Tone-to Noise), editing and filtering functions
Project Management, import function for 01dB-METRAVIB, Head Acoustics and OROS sound files, Psychoacoustic Analysis - Calculation of Loudness, Sharpness, Roughness and Fluctuation Strength, Articulation Index, Speech Intelligibility Index
Comparing time histories and spectra - Multi scalar display and Multi spectra display - Report Wizard, Percentile calculation
Modulation analysis, wavelet analysis, Auditory spectrogram, contours (gestalt interpretation), sound re-synthesis RPM analysis, Order analysis
MATLAB tool for data edition.



Professional Headphones



Professional Sound card



Artificial Head

What's magic in dBJurY?
Only **"four"** steps for the **listener** to perform his evaluation!



Log on and identify itself

Select Session to perform

Listen to "all" sound listed

Express a "vote"

Ordering Information:

dBJurY Testing is available basically as Bundled Systems configured as follows::

- Jury Testing - PRO SQ 104/1 Solution Supervisor + 1 Listener including: 1 sound card and 1 Headphone
- Jury Testing - PRO SQ 104/5 Solution Supervisor + 5 Listeners including: 5 sound cards and 5 Headphones
- Jury Testing - PRO SQ 104/10 Solution Supervisor + 10 Listeners including: 10 sound cards and 10 Headphones

01dB

01dB-Metravib

200, Chemin des Ormeaux
F-69578 Limonest Cedex
Tel. +33 (0)4 7252 4800
Fax +33 (0)4 7252 4747

environment@01db-metravib.com
www.01db.com

The AREVA logo, featuring a stylized red 'A' above the word 'AREVA' in red capital letters.