VA-Audio is a software module for characterizing the performance of electro acoustic products, audio electronics, and transducers. With the simplicity of operation required for production line QC, yet the extensive analysis tools necessary for R&D, VA-Audio is suitable for use throughout the design and manufacturing process.

Acoustic characteristic of product is electrocircuit-independent. The structure of loud speaker is important for its specifications. The best way to get frequency response and the harmonic distortion is by testing. The general method is to use signal generator to control the speaker to make a noise, and to use microphone to capture the noise and then to analysis the result.

BSWA audio test system consists of VA-Audio software, 2-channel data acquisition hardware, and standard microphones. The artificial mouth, artificial ear or Test Box are all optional items for audio measurements.

Main Features of VA-Lab Audio:

- Modes of Operations: Stepped Sine, Frequency Sweep, Multi-tone, and User-defined
- Real-time frequency analysis. Frequency response, THD, and Impedance test in one time
- Support autocontrol. With USB control, software can start or stop automatically which is very convenient for online test.
- Test result can be saved and counted automatically
- Supports maximum 30th order of harmonic distortion. User-defined distortion components can be calculated in one test
- Automatic adjustment for output signals to make flat response of sound sources.
- Support Directionality Test, With BSWA turntable, software can control the rotate speed and test every frequency one by one or together
- Phase test



