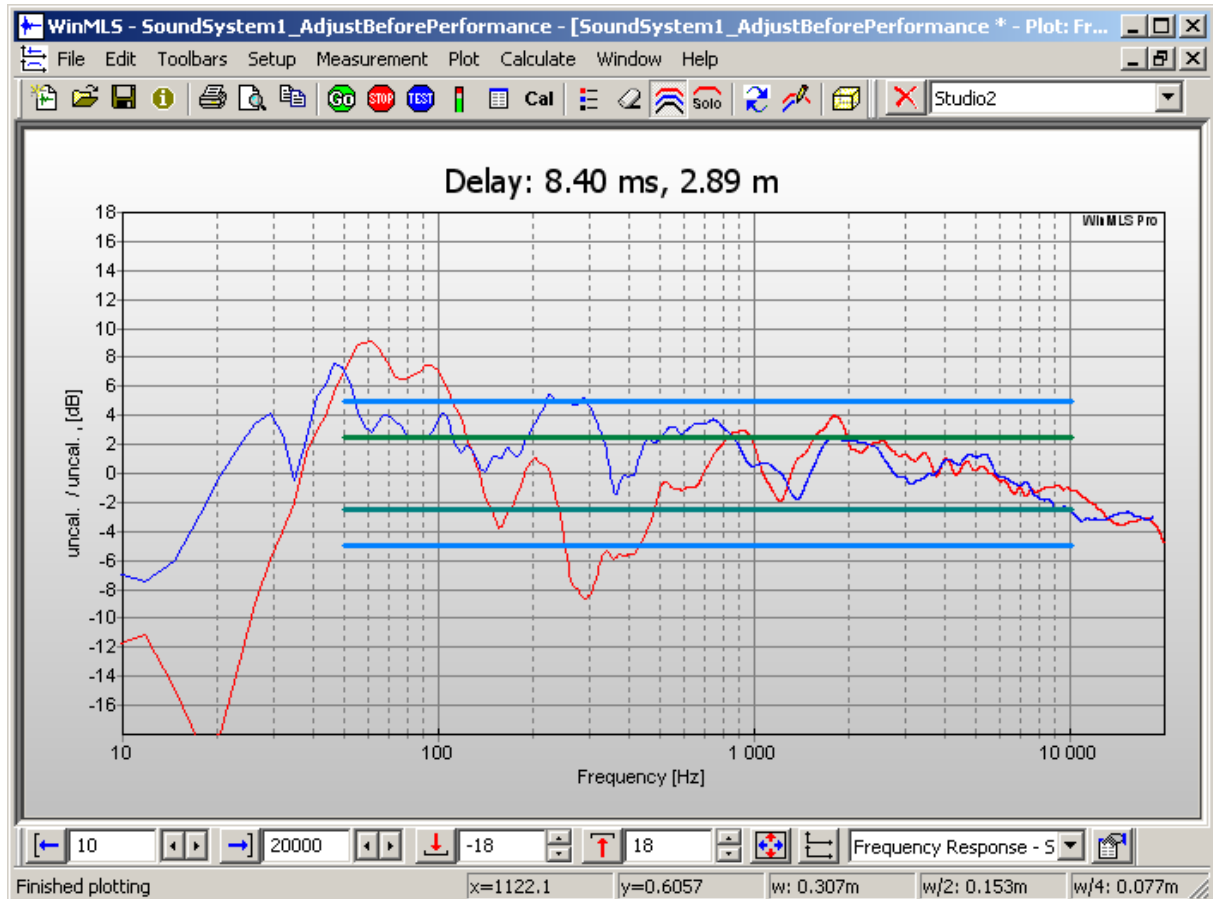


WinMLS 2004 – New Features



Applications

Much has been improved in WinMLS 2004, we will here focus on new applications:

- Measure higher quality impulse responses
- Harmonic Distortion/ Rub and Buzz
- Production Control
- Live measurements
- Using Pink noise as external source
- Loudness (ISO 532B/ DIN 45631)

Measure higher quality impulse responses

We now recommend the modern sine sweep method for all kinds of measurements based on the impulse response. MLS is still supported, but the new sine sweep method is ideal to measure high quality impulse responses, e.g. for deconvolution with dry music.

Harmonic distortion/Rub & Buzz

Very flexible method for measuring harmonic distortion and Rub & Buzz

A revolution in production control?

WinMLS supports up to 24 inputs, therefore impedance and SPL frequency response can be measured simultaneously. We believe this system is a revolution in production control, especially for testing rub & buzz.

- ultra-fast modern measurement methods (no tracking filters needed)
- very flexible, can be configured to show only Passed/Failed info
- no programming needed to set it up

You can measure “everything” using a single fast sine sweep, such as:

- SPL level @ 1 kHz
- Harmonic distortion
- Rub & buzz
- Polarity
- Background noise
- Frequency response
- Reverberation time

Live measurements

You can now use music to perform measurements. For setting up a sound system we have added features for finding accurate delays. WinMLS can update the display in “real-time”. This is ideal for adjusting EQ. When the sound system is tuned, you can use music to verify while the audience is present.

Pink noise

Measurements using pink noise as external source can be done. Many standards refer to this method.

Other new things

- User-programmable Wizard (see figure)
- Airborne sound insulation measurements
- Time window can have varying length
- Setups simplified and improved
- Auto-Statistics
- Unlimited number of plots
- Simplified GUI
- Room Acoustics improved

