

# FIRmaker

Tailoring FIR Filters to the Venue

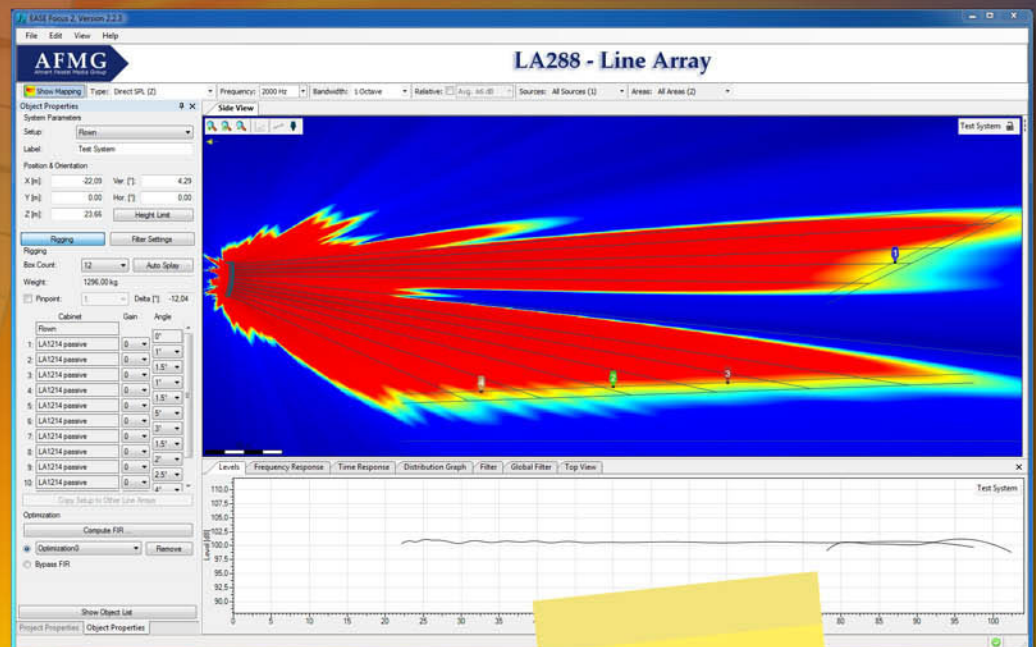
**Revolutionary sound system coverage and SPL**

**Optimized listening experience in all seats**

**Easy on-site tuning within minutes**

**Total system FIR power for every show**

**...with any loudspeaker array, existing or new!**



*Put Your Sound  
Where It Belongs!*

# FIRmaker

<http://FIRmaker.afmg.eu>

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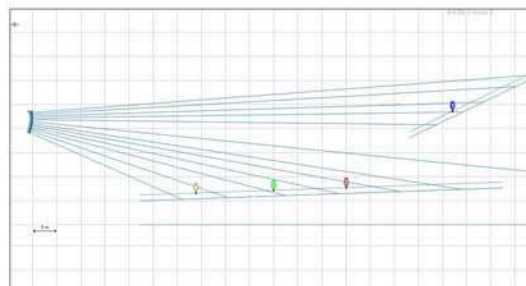
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# FIRmaker

## Tailoring FIR Filters to the Venue

### FIRmaker – Put Your Sound Where It Belongs!

FIRmaker establishes the next generation of professional sound systems. It combines the accuracy of EASE-based acoustic simulation with the power of modern FIR processing. Going far beyond the limits of conventional digital beam steering, AFMG FIRmaker allows you to shape the radiated sound field in a radically flexible and highly time-efficient way. Requiring only the venue's geometry as input data, FIRmaker takes just seconds to compute optimal FIR filters that are exactly tailored to the demands of the show or installation.

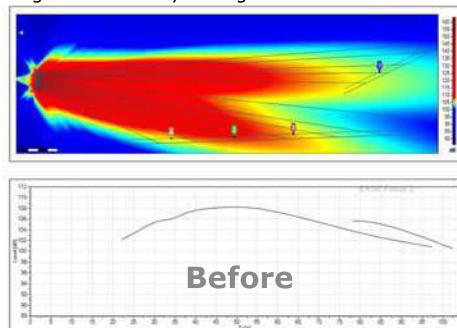


At the same time, the user has maximum control over the achieved result. Optimization can be made towards any combination of:

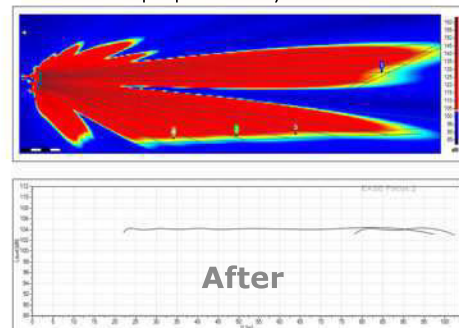
- Even sound coverage
- Spectral uniformity
- Maximum SPL
- Excluded areas
- Target levels and response

FIRmaker will fully exploit the processing powers supplied by the DSPs in use.

Regular Line Array Configuration



Identical Setup Optimized by FIRmaker



#### FIRmaker Technical Data:

- Required: high-resolution loudspeaker modeling data (GLL)
- Required: FIR processor with at least 250 taps filter length
- Processing possible per group of cabinets, per cabinet or per transducer
- Works with any line array, cluster or column speaker
- Applicable to existing systems, new installations or future product designs
- Extremely fast: Typical optimization runs take 10 to 30 seconds
- Integrates directly with EASE Focus 2; support for EASE, EASE Evac, and SysTune to come
- International patents pending

Leading DSP and amplifier manufacturers already support instant data exchange with FIRmaker. This allows FIRmaker to transfer the calculated settings directly into connected hardware. – Please ask your DSP manufacturer about FIRmaker integration.

More information available at <http://FIRmaker.afmg.eu>

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