



LOUDSPEAKER SYSTEM CALIBRATION COURSE DESCRIPTION

EDUCATION PROGRAMS



This advanced course is dedicated to the calibration of a loudspeaker system in a touring, rental or fixed installation project.

SUMMARY

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| COURSE TYPE | Skills development |
| LEARNING PATH | Advanced learner |
| LEARNING OBJECTIVES | <ul style="list-style-type: none">• Understand the goal of a loudspeaker system calibration and its link to the other project stages• Follow a rational methodology for the verification, the tuning and the handover of a loudspeaker system• Apply the best practices for an accurate and representative measurement of a loudspeaker system frequency response• Understand alignment methodologies for optimizing main-sub and main-fill combinations• Understand equalization methodologies for treating relevant frequency response deviations |

MODALITIES

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| PREREQUISITES | <ul style="list-style-type: none">• Knowledge in acoustics and live sound reproduction• Technical English |
| DURATION | 7 hours |
| PARTICIPANTS | 12 maximum |
| LEARNING FORMAT | Instructor-led session: onsite classroom |
| TEACHING METHODS | Presentation, demonstration, tutorial |
| LANGUAGES | <ul style="list-style-type: none">• Session delivered in local language• Material written in technical English |
| INSTRUCTOR PROFILE | Live sound expert, selected, trained, certified and regularly updated by L-Acoustics education team |
| CERTIFICATION | <ul style="list-style-type: none">• Attendance to the sessions• Assessment of practical exercises |



LEARNING AGENDA

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| CONCEPTS & DEFINITIONS | <ul style="list-style-type: none">• Calibration• Tuning• Frequency response | 2.5 HOURS |
| TUNING RECOMMENDATIONS | <ul style="list-style-type: none">• Sub alignment• Equalization• Fill alignment | 2.5 HOURS |
| CALIBRATION WORKFLOW | <ul style="list-style-type: none">• Office preparation• Onsite verification• Measurements• Onsite tuning• Handover | 2 HOURS |

REQUIRED EQUIPEMENT

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| INSTRUCTOR-LED SESSION | <ul style="list-style-type: none">• Computer with a mouse• Latest version of Soundvision and LA Network Manager softwares• Note pad and pen |
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EARNED BENEFITS

Upon completion, the participant is granted with a *Certificate* and a 1-year account activation/extension on the online *L-Acoustics Education* platform.

In the platform, the membership to the **Loudspeaker System Calibration** group opens access to:

- Always up-to-date **Loudspeaker System Calibration** material in the *Learning center*
- Forum gathering all the **Loudspeaker System Calibration** certified technicians and instructors