



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

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: design, implementation and operation• 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• Perform alignment and equalization using Soundvision simulation software, P1 measurement station and M1 tuning tool

MODALITIES

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

ONSITE - MORNING	Concepts & Definitions <ul style="list-style-type: none">• Calibration• Tuning• Frequency response	1.5 HOURS
	Tuning Recommendations <ul style="list-style-type: none">• Sub alignment• Equalization• Fill alignment	2 HOURS
ONSITE - AFTERNOON	Calibration Workflow <ul style="list-style-type: none">• Office preparation• Onsite verification• Measurements• Onsite tuning• Handover	3.5 HOURS

REQUIRED EQUIPEMENT

INSTRUCTOR-LED SESSION	<ul style="list-style-type: none">• Computer with a mouse• Latest version of Soundvision and LA Network Manager software: L-Acoustics website• Additional mobile device (phone or tablet) with 360 Learning app: Android store - Apple store• 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