



# BARCO AURO : SPATIALIZED SOUND

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## PREFACE

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**Auro** is a technology developed by the [Barco](#) to enhance the capabilities of spatial sound. <sup>1</sup>.

In the theater, there are several speakers. The usual ones behind the screen, the other ones on the sides and at the back of the room, and sometimes on the ceiling as well (and on the floor too ?).

The Auro technology follows the SMPTE [Immersive Audio Bitstream \(IAB\)](#) standard as a common basis and standardizes its data structure to create the Auro technology within IAB-compliant DCP.

To understand how it works, refer to the chapter [Immersive Audio Bitstream](#)

## NOTES

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1. Auro specificities : « "...extension of the existing 5.1 surround sound format by incorporating height and overhead channels to allow for placement and panning of sound in the horizontal and vertical axis" » -- [Conférence Immersive Audio - Steve LLamb \(2019\)](#) ↩