



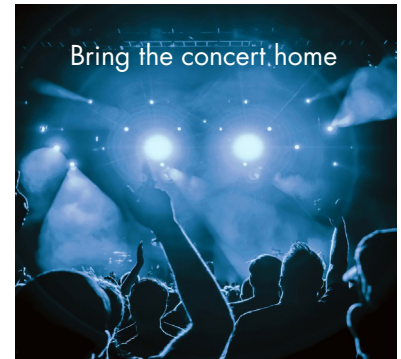
# FRONT-END FOR ARCHIPEL SOUND SYSTEMS FEATURE OVERVIEW

## WHY A FRONT-END SOLUTION ?

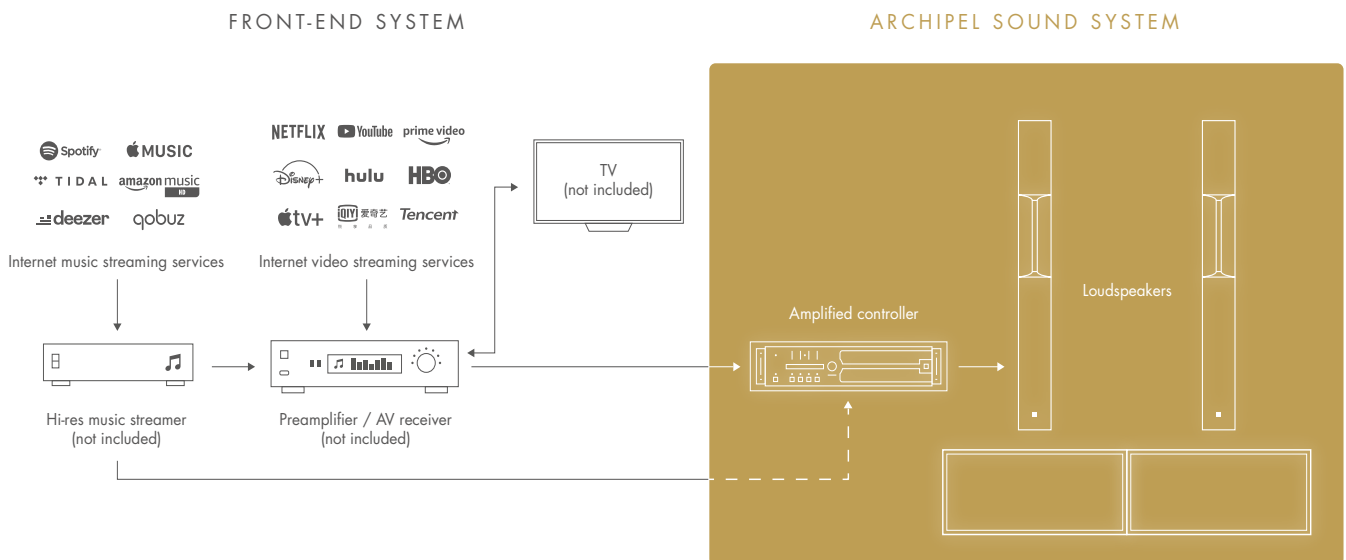
The Archipel Sound Systems have been developed to bring the concert experience home. Each system includes an amplified controller with integrated signal processing, a set of signal and loudspeaker cables, the loudspeakers and the accessories for integration.

We distinguish two main types of application for Archipel sound systems: Hi-res music reproduction and AV material reproduction. Each application requires a front-end product to deliver content: a Hi-res music streamer for music or an AV receiver for audio-video material.

The Archipel Sound Systems can be integrated into an existing installation and solely require an analog or preferably a digital source signal. For new installations, it is recommended to complement an Archipel sound system with a premium front-end solution.



L-Acoustics has conducted a series of tests to validate front-end solutions compatible with Archipel sound systems. L-Acoustics does not provide, sell or rent any front-end equipment. This document offers recommendations for front-end solutions best suited to your application.



## WHAT FRONT-END SOLUTION ?

### Minimum requirements

All proposed solutions have been carefully selected for the quality of their components and the absence of audio degradation at any stage. The selection was also based on important minimum requirements that devices needed to fulfill such as Hi-res streaming capability, input and output format, upmix ability, output volume control and compatibility with popular cinema surround formats.



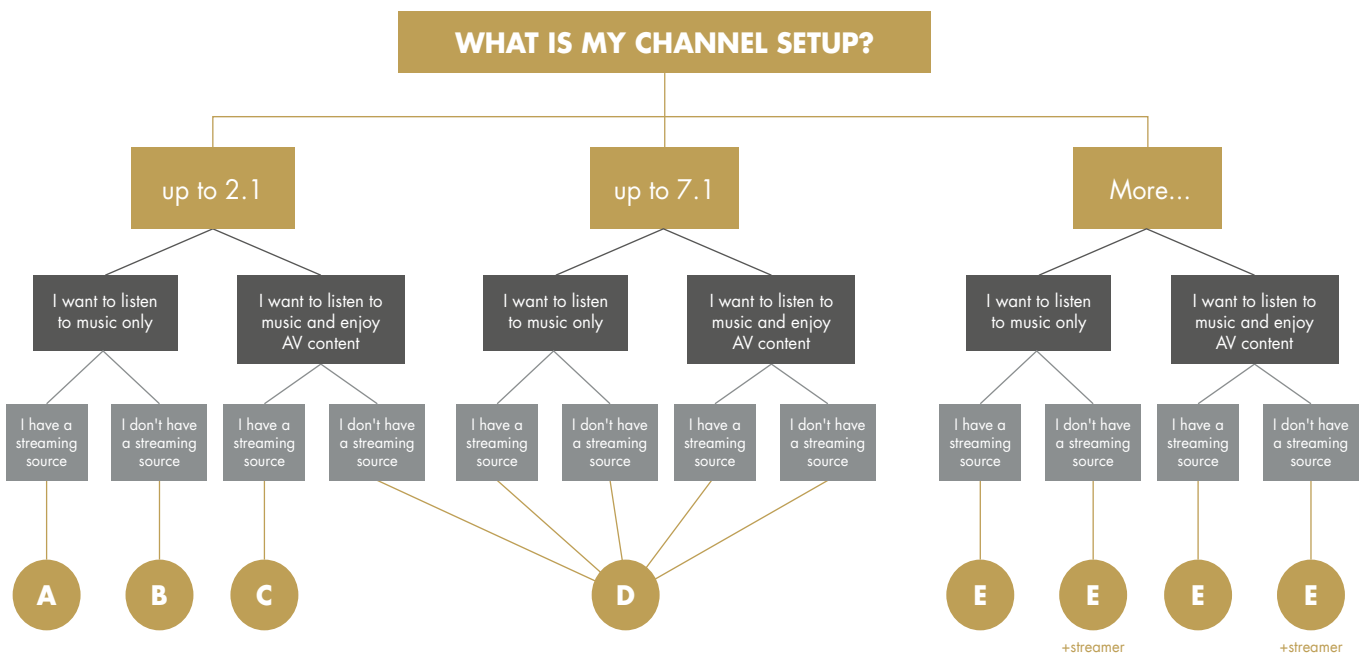
### Considerations

The choice of a front-end system is dictated by various considerations:

- Number of sources to be controlled and managed (inputs)
- Output channels configuration (2.1, 5.1, 7.1, ...)
- Main use: music, home-theater, both
- Additional functionalities (HDMI ARC, Multiroom flexibility, ...)
- Existing equipment

### Decision tree

The following decision tree is a straightforward tool to help choosing the best front-end solution for your needs:



<b>A</b>	Audio only DAC	<b>MiniDSP OpenDrc-di</b>	<a href="#">Link</a>
<b>B</b>	Audio only streamer (up to 2.1)	<b>Yamaha MusicCast WXC-50</b>	<a href="#">Link</a>
<b>C</b>	Audio DAC with video switching	<b>Sonos Port</b>	<a href="#">Link</a>
<b>D</b>	AV receiver with music streaming capability (up to 7.1.4)	<b>CYP AU-D250</b>	<a href="#">Link</a>
<b>E</b>	AV receiver (up to 24 ch)	<b>Marantz AV7706</b>	<a href="#">Link</a>
<b>E</b>	AV receiver (up to 32 ch)	<b>Yamaha MusicCast CX-A5200</b>	<a href="#">Link</a>
		<b>Storm Audio ISP MK2</b>	<a href="#">Link</a>
		<b>Trinnov Altitude 32</b>	<a href="#">Link</a>