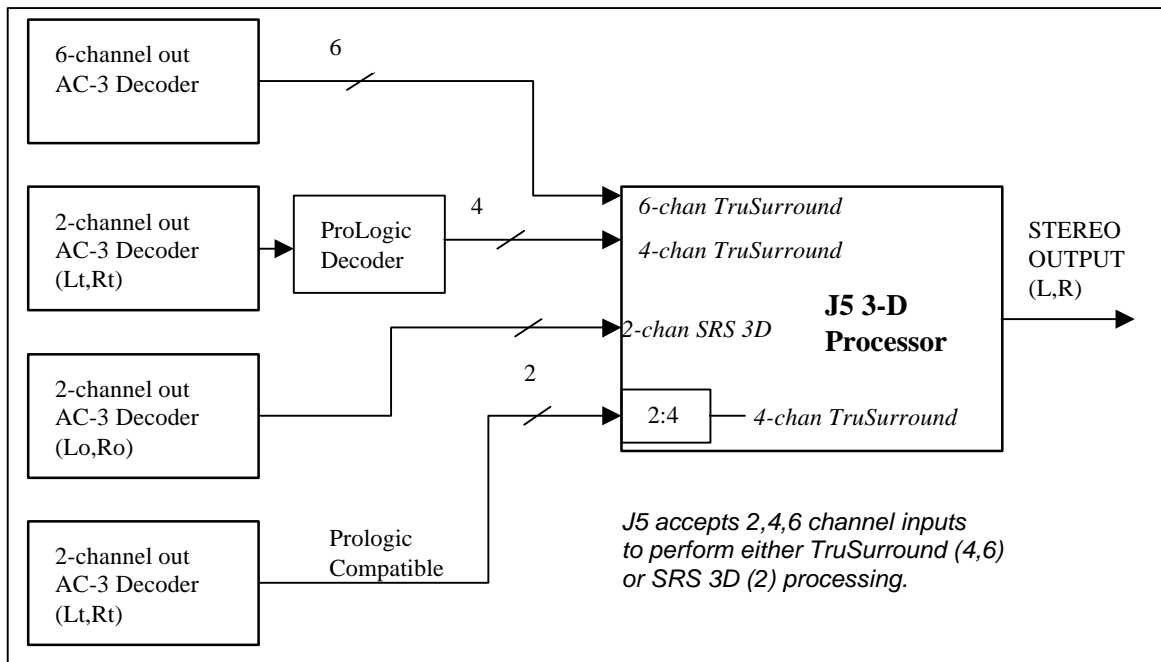


Configuration Modes for Jacobs Pineda, Inc. J5 3-D Processor Cell
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Description

Mode 1: 6-channel AC-3 Decoder (J4)

6 output channels are applied to J5 and TruSurround™ processing is performed to produce 2 virtualized stereo outputs (L,R).

Mode 2: 2-channel AC-3 Decoder (J1) followed by Dolby ProLogic decoder

2 ProLogic compatible outputs are produced (Lt,Rt) containing surround information via downmixing in the AC-3 Decoder. These are ProLogic decoded first to produce 4 output channels (L,C,R,S), which are then fed to the J5 and TruSurround™ processed to produce 2 virtualized stereo outputs (L,R).

Mode 3: 2-channel AC-3 Decoder (J1)

2 downmixed outputs are produced (Lo,Ro) by AC-3 decoder via downmixing. These are fed to J5, which then processed using SRS 3D® algorithm to produce 2 virtualized stereo outputs (L,R).

Mode 4: 2-channel AC-3 Decoder (J1) and passive matrix decoder

2 ProLogic compatible downmixed outputs are produced by AC-3 Decoder (Lt,Rt) containing ProLogic information. These are passive matrix decoded internal to the J5 (2:4 decode to produce L,C,R,S using sum/difference matrix) and then TruSurround™ processed by J5 to produce 2 virtualized stereo outputs.