

# acurus

## ACT 4 vs. MUSE

The ACT 4 is the flagship processor of choice for larger, dedicated home cinemas. The MUSE is an immersive processor of outstanding value for small to medium sized home cinema and media room applications. Here's how the two compare:



features	ACT 4-20	MUSE-16	differences between products
loudspeaker layout maximum	11.1.8	9.1.6	Both processors natively decode 9.1.6 but the ACT 4 can also create copies of any of these channels for larger rooms and larger speaker configurations such as 11.1.8 or 11.3.6 for example. The MUSE is limited to 9.1.6 maximum.
future native channel decoding count	expandable	fixed	The ACT 4 is hardware and firmware upgradeable for higher native-channel-decoding count in the future while the MUSE-16 is not.
active outputs	16 RCA + 20 XLR	16 XLR	The ACT 4 simultaneously drives its RCA and XLR outputs. This provides compatibility with a broad range of amplifiers and active loudspeakers using either RCA or XLR connectivity. The MUSE is limited to 16 XLR outputs total.
unbalanced load compatibility	yes	yes, with adapters	Both processors can be used with RCA (unbalanced) input subwoofers and amplifiers but the MUSE requires an XLR female to RCA female adapter on each output.
digital input count	3	2	The ACT 4 features 3 each optical and coax digital inputs vs. the MUSE 2 each.
trigger output count	4	2	The ACT 4 features 4 independent trigger outputs to drive external amps vs. the MUSE 2 independent trigger outputs
DSP processing horsepower	2X	1X	Internally the ACT 4 utilizes twice the DSP horsepower for Dolby Atmos and DTS:X vs. the MUSE. The result is faster switching times for the ACT 4.
matrixed aux out	full matrix	fixed with layout	The ACT 4 AUX output is a full matrix output that can be assigned according to any imagined configuration while the MUSE AUX output channels are assigned in a fixed manner according to the particular layout selected (see the MUSE user guide for more info).
analog input count	3	2	The ACT 4 features 3 RCA (unbalanced) analog ins vs. the MUSE 2 RCA analog ins.
phono input	yes	no	The ACT 4 features a phono input stage while the MUSE does not.
discrete 7.1 analog input	yes	no	The ACT 4 features a discrete 7.1 analog multi-channel input while the MUSE does not.
format switching speed	100 msec	3 sec	Both processors decode Dolby Atmos and DTS:X immersive audio formats but when switching between the two, the ACT 4 is faster.