

# Cinema Sound Processor to IRC-28(C) Interface

*161025*

The table below summarizes the equipment necessary to drive an IRC-28(C) from various sound processors. The IRC has two analog audio inputs, one for Hearing Impaired audio, and the other for Visually Impaired audio (also called Audio Description). Recent sound processors have an HI output that is an LCR mix of the audio going into the auditorium. In addition, some sound processors have a digital to analog conversion of AES/EBU input 7. Many, but not all, features include an HI mix on track 7. This is often a better mix than the default LCR mix, but is not always present (especially on trailers and preshow content). The most reliable source for HI content is the LCR mix.

The most recent sound processors also have a VI output. The VI output is driven by AES/EBU input 8. If the sound processor does not have a VI output, a DAX-202 digital to analog converter can be used to generate the analog signal from AES/EBU channel 8.

<b>Processor</b>	<b>Speaker Configuration</b>	<b>HI Source</b>	<b>VI-N Source</b>
JS Series	5.1	External LCR mix (resistor network) or DAX-602 (AES7)	DAX-602 (AES8)
JSD-60	5.1	JSD-60 HI Output (LCR mix or AES7)	JSD-60 VI-N Output (AES8)
JSD-60	7.1	JSD-60 HI Output (LCR mix) or DAX-202 HI Output (AES7 or AES15).	DAX-202 VI-N Output (AES8 or AES16)
JSD-80/XD-10P	5.1	JSD-80 HI Output (LCR mix) or JSD-80 Channel 7 Output (driven by AES7)	JSD-80 Channel 8 Output (driven by AES8)
JSD-80/XD-10P	7.1	JSD-80 HI Output (LCR mix) or DAX-202 HI Output (AES7 or AES15)	DAX-202 VI-N Output (AES8 or AES16)
JSD-100	5.1	JSD-100 HI Output (LCR mix or AES7 or AES15)	JSD-100 VI-N Output (AES8 or AES16)
JSD-100	7.1	JSD-100 HI Output (LCR mix or AES7 or AES15)	JSD-100 VI-N Output (AES8 or AES16)
Dolby CP65	5.1	CP65 HI Output (LCR mix)	DAX-602 VI-N Output (AES8 or AES16)
Dolby CP500	5.1	CP500 HI Output (LCR mix)	DAX-602 VI-N Output (AES8 or AES16)
Dolby CP650	5.1	CP650 HI Output (LCR mix)	DAX-602 VI-N Output (AES8 or AES16)
Dolby CP750	5.1	CP750 HI Output (LCR mix) or AUX 7 Output (AES7)	CP750 AUX 8 Output (AES8)
Dolby CP750	7.1	CP750 HI Output (LCR mix) or AUX7 out (digital 2 left)	CP750 AUX8 Output (digital 2 right)
Dolby CP850	All	CP850 HI Output (LCR mix or any AES input)	CP850 VI Output (any AES input)
DTS-6AD	5.1	DTS-6AD HI Output (LCR mix)	DAX-602 (AES8)
QSC DCP 100	All	DCP 100 HI Output	DCP 100 VI Output
QSC DCP 200	All	DCP 100 HI Output	DCP 100 VI Output
QSC DCP 300	All	DCP 100 HI Output	DCP 100 VI Output