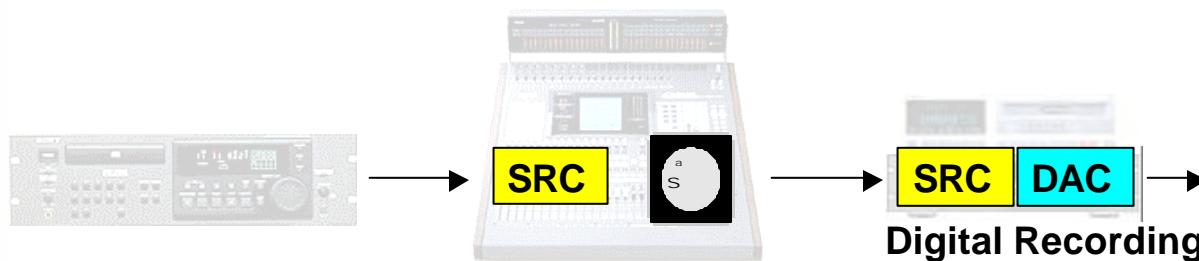


# Why do I need 140dB DNR



- A SRC is used to synchronize different Digital Audio Signals
- State of the Art performance of DACs is about **120dB DNR**
- The rule of thumb is, that in order to NOT audibly degrade the DAC performance, the SRC has to be at least 10dB better (see table)

AD1896

	DAC = 120dB SRC = <b>120dB</b>	Error	DAC = 120dB SRC = <b>130dB</b>	Error	DAC = 120dB SRC = <b>140dB</b>	Error
DAC only	120dB		120dB		120dB	
DAC + 1 SRC	117dB	-3dB	119.6dB	-0.4dB	119.96dB	-0.04dB
DAC + 2 SRC	115.2dB	-4.8dB	119.2dB	-0.8dB	119.91dB	-0.09dB