

# D21m HD Mic/Line Input card

## STUDER Introduces New MIC Preamp Card For HD Audio

Studer has introduced a new version of the mic input card for the D21m I/O system, which can be used on any Studer Vista or OnAir console or Router product.

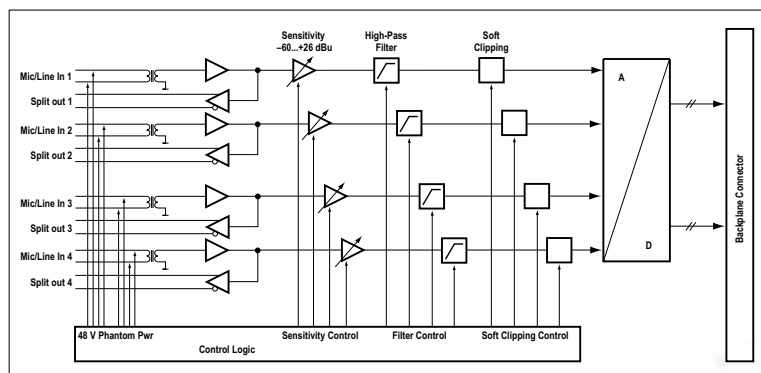
Noise and bandwidth are just as important for HD audio as they are for HD video, and the new card is designed to be a perfect partner for HD Audio broadcast.

The card features four transformer balanced mic inputs and A/D converters as well as integral split outputs that allow the card to feed a second console or recorder at analogue line levels, meaning a single stagebox can directly feed a second device in addition to the digital console.



### Technical Specifications

Input sensitivity.....	-60 to +26 dBu (for 0 dBFS)
Input impedance.....	2.2 k $\Omega$
Split out gain.....	0 dB
Split out impedance.....	100 $\Omega$
Equivalent input noise.....	-124 dBu (Ri 200 $\Omega$ , max. gain)
Crosstalk (1 kHz).....	< -110 dB
Frequency response (30 Hz...20 kHz).....	-0.2 dB
THD&N.....	< -97 dBFS (1 kHz, -1 dBFS, min. gain)
THD&N.....	< -111 dBFS (30 Hz...20 kHz, -30 dBFS, min. gain)
THD&N.....	< -107 dBFS (input level 6 dBu, min. gain)
CMRR.....	> 60 dB (30 Hz...20 kHz, all gain settings)
Low-cut filter.....	75 Hz / 12 dB/oct
Input delay.....	38 samples (0.79 ms @ 48 kHz) (local)
Input delay.....	45 samples (0.94 ms @ 48 kHz) (remote)



The HD Mic Input card has been designed with only with the highest specifications as a target. It provides an ultra-wide bandwidth and very low noise floor, with all the classic Studer sound that you would expect from such a device.



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