

ADDA2408-r TECHNICAL SPECIFICATIONS

DADman remote control PC program:

ADDA 2408-r is controlled via the DADman remote control program for PC. By using DADman up-to 256 different Digital Audio Denmark audio converters can be operated and supervised from one PC. DADman communicates via the PC Com ports, or virtual Com ports.

DADman serves also as a tool for managing the set-up of more converters and storing the individual setting for easy set-up and configuration. DADman can assign a window for each converter detected, and assign a unit ID label, which is read out at the led display at the converter front panel.

For connecting the RS-422 port at the ADDA 2408-r to a standard PC a variety of interface converter boxes are available i.e. RS-232 to RS-422, USB to one or more RS-422 ports, or ethernet to RS-422.



A/D CONVERSION, LINE INPUT

Sample-rates	44.1, 48, 88.2, 96 kHz
Dither	Psycho acoustic, 16,18, 20 bit
Dynamic range (A)	> 117 dB
THD+N (A)	< -104 dBfs
Cross talk	< -120 dB
Input impedance	> 10 kΩ
Max. input level	+12 to 30 dBu, adjustable
Connectors	XLR (pin 2 hot)
Processing delay	< 1.0 ms

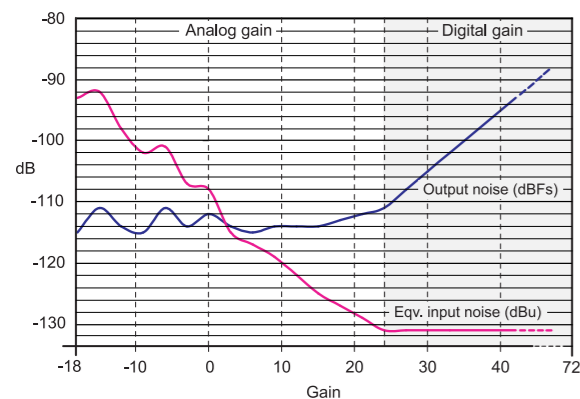
A/D CONVERSION, MIC. INPUT

Dynamic range (A)	> 117 dB
THD+N(A), 0dB gain	< -100 dB
THD+N(A), 60dB gain	< -85 dB
Equiv. Inp. Noise(A), 60dB gain	< -130 dB
Equiv. Inp. Noise(A), 60dB gain (150Ω)	< -127 dB
Cross talk	< -120 dB
Input Impedance	> 10 kΩ
Max. Input Level Mic (Balanced)	+ 24 dBu
Gain	-18 to +72 dB
Freq. response deviation, pass-band	< 0,05 dB
Connectors	XLR (pin 2 hot)
Processing delay	< 1.0 ms

D/A CONVERSION, Optional LINE OUTPUT

Sample-rates	44.1 to 96 kHz
Dynamic range (A)	> 117 dB
THD+N (A)	< -93 dB
Cross talk	< -120 dB
Output impedance	< 40 Ω
Max. output level	+12 to 27 dBu, adjustable
Connectors	XLR (pin 2 hot)
Processing delay	< 1.0 ms

Mic. preamp noise level:



D/D CONVERSION

Sample-rates	44.1 to 96 kHz
Dynamic range (A)	> 133 dB
THD+N (A)	< 120 dB
Processing delay	< 1.80 ms

Frequency response A/D and D/A. Stop-band attenuation 117 dB at half of the sampling freq. for A/D.

Fs 44.1kHz, 20-18.3 kHz	±0.1dB
Fs 48kHz, 20-20 kHz	±0.1dB
Fs 88.2kHz, 20-36 kHz	±0.1dB
Fs 96kHz, 20-39 kHz	±0.1dB

DIGITAL AUDIO INPUTS AND OUTPUTS

Expansion modules	7 slots for DADI/O modules
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SYNCHRONISATION

AES11	XLR, 44.1 to 96 kHz
Word clock sync in/out	BNC, 44.1 to 48kHz
Super clock sync in/out	BNC, 11.2896 to 12.288 Mhz
Selection for double speed	44.1 to 48kHz/88.2 to 96kHz
Video sync in	PAL, NTSC, SECAM

GENERAL

Control interface:	RS-422 (up to 100 meter)
EMC, complies with:	EN 50082, and EN 50022
Operating temperature:	+5 to 45 °C
Dimensions (w,h,d):	19", 2U, 285 mm
Weight:	5,8 kg
Mains voltage:	90 - 260 VAC
Power consumption:	Max. 45 Watts



DADI/O expansion modules:

4 ch. D/A, 8.ch AES/EBU I/O, 2 ch AES/SPDIF I/O, TDIF I/O, ADAT I/O, and ProTools Mix 24 I/O



ADDA 2408-r

8 channel mic preamp and audio converter



The ADDA 2408-r is an 8 channel high quality remote controlled mic preamp A/D, D/A, sample-rate and format converter. ADDA 2408-r covers applications for music recording with the possibility of placing the converter close to the

microphones e.g. on a stage, giving the optimal adaptation to microphones without any loss in long cables. Also ADDA 2408-r is ideal in a machine room environment, due to the powerful remotecontrol via RS-422.

Key Features:

- 8 channel 24 bit, 96 kHz A/D converter and D/D sample-rate and format converter
- A/D sampling with anti-AID filter for elimination of Alias Intermodulation Distortion
- 8 Low noise microphone preamplifiers with 3 dB analog gain steps and 0.5 dB gain control from -18 to 72dB, +48V, and low cut filter
- Line input level adjustable from +12 dBu to +30 dBu
- A/D and D/D with ±180 deg. phase inversion, and variable delay setting up to 100ms
- Psycho acoustic dither selectable for A/D and D/D inputs to 16, 18, or 20 bit
- Sample-rates of 44.1 kHz, 48kHz, 88.2kHz and 96 kHz
- 7 slots for DADIO expansion cards: 8 channel D/A, AES/EBU, S/PDIF, TDIF, ADAT, and ProTools Mix 24
- Remote controlled via RS-422