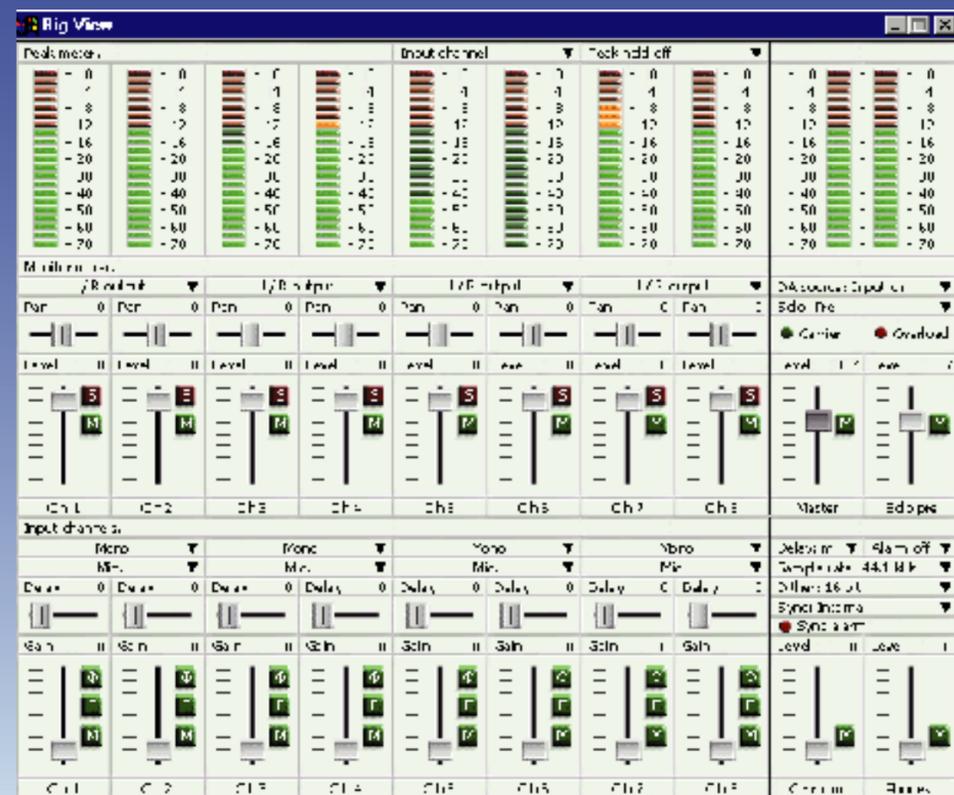


Key Features:

- 8-channel 24 bit, 96 kHz A/D converter, D/A converter, and D/D sample-rate converter
- A/D sampling with anti-AID filter for elimination of Alias Intermodulation Distortion
- Low noise microphone preamplifier with 0.5 dB gain control from 0 to 99dB, phantom power: +48V, and low cut filter
- Line input level adjustable from +12 dBu to +27 dBu
- Digital interfaces compatible with AES/EBU, S/PDIF, TDIF, ADAT and ProTools
- Triple digital bus structure, DADBus
- More digital interfaces to come (compatible with the ADDA 2408 DADBus)
- A/D and D/D with ± 180 degree phase inversion, and variable delay setting from 0 to 100ms (250 ms optionally)
- Psycho acoustic dither selectable for A/D and D/D inputs to 16, 18, and 20bit
- Built-in 8-channel digital mixer for monitoring of the A/D, D/D, and D/A input
- Monitoring in L/R or M/S stereo, optional D/A outputs for 5.1 monitoring
- Solo monitoring for all channels
- 21 LED digital peak meters on all 8 channels for monitoring either A/D, D/D, or D/A inputs
- Sample-rates of 44.1kHz, 48kHz, 88.2kHz and 96 kHz. High-rates can be double-wire or double-speed
- 8 slots for expansion cards
- Remote controlled via MIDI or USB

Easy and accurate remote control via advanced PC or Mac program



24 bit 96 kHz AD/DA converter provides features you have never imagined!

Very high-quality 8-channel, 24 bit, 96 kHz A/D and D/D converter with microphone preamplifier, and a 2-channel D/A converter with a monitor mixer in one compact 2U box. 8 interface slots are available for additional D/A converters and digital interfaces. The digital interfaces can be either double-speed or double-wire if this is an option in the digital format.

Easy and fast in use. The most common functions are accessed by pressing only one button. Security shortcuts are available for switching between AD-D source and monitor, Solo, Pan, Delay, Low cut and Phase. The shortcuts are valid while the button is pressed. The control displays will reflect the current setting when the button is released, the control displays will return to the previous menu.

Format and sample-rate converter. If a digital input signal is selected at the AD-D source button, the signal is available on all digital outputs (expansion cards) transformed with the dither and sample-rate the chosen at the Dither and Sample rate or Sync button.

LCD displays for all stereo channels showing the selected parameters.

Adjustable delay on AD-D source input. The delay can be set between 0 and 100 ms (250 ms optional). The delay can be set in meters, feet or ms. This function allows the user to correct the phase for the relevant channels in a multi microphone set-up. It also enables the user to correct the audio delay time in a video editing system.

External synchronisation to AES 11, Word Clock, Super clock or video (PAL, NTSC, SECAM). The built-in PLL circuit is able to correct for minor variations in the external sync clock signal, giving a very stable adaptation to the external synchronisation signal. The internal oscillators are very precise and have a stability of 5 ppm. Therefore, the ADDA 2408 can be used as a master studio clock with very low jitter.

Sync alarm. If a digital output is chosen with the DA source button, and the digital input for some reason is out of synchronisation, the red Sync alarm LED will blink. This function is available to secure that the whole recording system is synchronised. The function can be turned off in the system menu.

Security locks. The power standby circuit can only be turned off by pressing the power button on the front for 3 seconds.



Supreme microphone preamplifier with low cut filter and phase inverse selection. The preamplifier has an equivalent input noise of 131 dB. The level control can set the gain in 0,5 dB steps from 0 to + 99 dB for precise control of the analog input level. This enable the user to scale the microphone level optimally into the 117dB dynamic range provided by the A/D converter.

The preamplifier provides a unique combination of analog and digital gain thus providing a 100 dB gain range. The analog gain is set in steps of 3 dB (which is the resolution of the analog input amplifier) and the gain steps in between are adjusted digitally in order to preserve the input noise performance.

The AD converter has linearity better than 0.01dB over a dynamic range of more than 80 dB, and the analog preamplifier implements a gain control of additionally 24 to 48 dB. This gives the microphone preamplifier a very superior performance regarding harmonic and intermodulation distortion at all levels.

Monitor mixer with Solo, Pan, and MS stereo control. The monitor mixer is able to mix all 8 input channels into a 2-channel output. The ADDA 2408 can therefore be used as an 8-channel sub mixer as well. The Stereo output is available on the headphone output on the front and on Line level XLR connectors on the back, or if chosen, on a separate digital AES/EBU output.

High quality head phones amplifier with ¼ inch jack connection on the front. The monitor output level for the head phone connector on the front and the line level XLR connectors on the back can be adjusted individually or linked together.

Storing and naming different set-ups.

Detailed 21 LED peak metering with the possibility of storing the maximum peak level. The peak meter can be set to show either the digital or the analog input level.

Dither. Newly developed ultra low noise noise-shaped dithering for 16, 18 or 20 bit recording.

