

The best of  
two worlds



AX24

Converter System

Musical Correct Flexible

# AX24 Benefits

## Fully modular – 224 different configurations

AX24 allows you to buy the number of Line and Mic channels that you need at the sample rate currently used. Analogue in and output channels can be expanded in pairs of two. Especially configurations like 2 or 4 analogue input channels and 6 analogue output channels are very suitable for mastering or multi track productions where only few analogue input channels are used simultaneously but monitoring in 5.1 is essential.

## From 2 to 8 analogue Line or Mic input channels

AX24 offers free choice of analogue Line and Mic input channels and can be upgraded from 2 up to 8 channels in pairs of two. For example, configurations like 2 Line and 2 Mic, 4 Line and 2 Mic or 4 Mic and 2 Line mean that your money is spent on the channels you need and not on 4 or 6 channels rarely used. Still, due to its modular and upgradable structure AX24 ensures that you can expand your AX24 when it is required. AX24 can be delivered as an A/D converter only.

## From 2 to 8 analogue output channels

Only analogue based studios need symmetrical in and outputs. AX24 offers them in the highest possible quality in its 8 analogue out configurations. But other studios working digitally rarely need that many output channels. AX24 offers stereo and 5.1 analogue output configurations allowing you to save money normally spent on the rarely used channels 7-8. AX24 can be delivered as a D/A converter only.

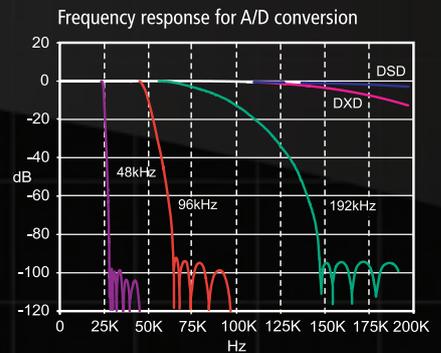
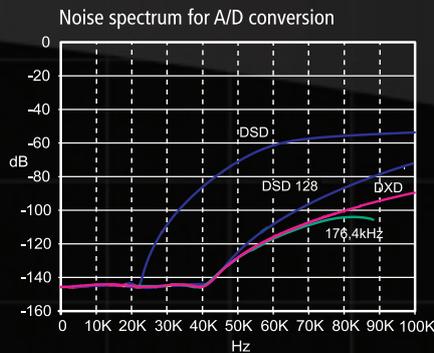
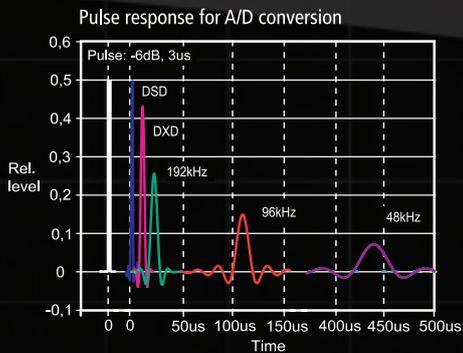
## Converter controls can be integrated in you DAW or Console

AX24 is fully remote controlled via USB or Ethernet offering full integration of its controls on the channel strip in DAW's including ProTools and many analogue and digital consoles, among others Euphonix via the EuCon Protocol.

## Superb sound quality

Due to the high quality electronic design featuring low jitter and low noise circuitry, the converted analogue and digital signal of AX24 delivers a clean and powerful analogue sound.





### Sample rates can be upgraded

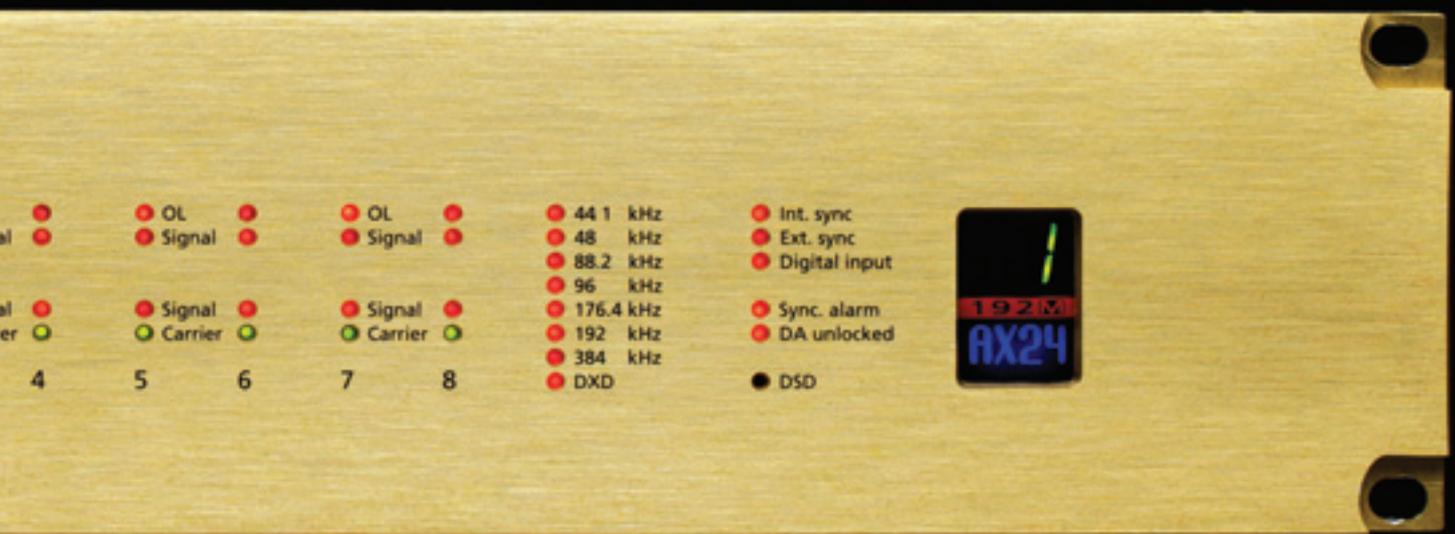
Few workstations and consoles currently support sample rates higher than 96 kHz without limiting plug-ins and number of input channels. On the other hand everybody knows that this is just a matter of time before all workstations and consoles are running at 192 kHz, 384 kHz, DSD or even higher. AX24 lets you save the money now and allows sample rate upgrades in the future when needed. Currently the maximum sample rate is 384 kHz at 24 bit but the AX24 hardware is capable of supporting even higher sample rates in the future if DAW or consoles demand it.

### 24 bit PCM sample rates up to 384 kHz

AX24 is the only converter on the market to offer PCM sample rates above 192 kHz. The maximum sample rate is currently 384 kHz at 24 bit. In the near future a number of DAW's will support these rates where filters and plug-ins sound much better due to the higher precision.

### DXD at 352.8 kHz

24 bit DXD at 352.8 kHz is the perfect work format when producing SACD's. It offers all the editing and processing advantages known from PCM and converts smoothly to DSD. Merging's Pyramix 5.0 supports DXD.



Upgrade your sample rate when you need it  
From 44.1 kHz to 384 kHz

# Applications

## Connection to Audio Workstations

AX24 can be configured with AES/EBU, SDIF3, MADI or Pro Tools® Digital I/O cards. When using the PHD I/O card there are two DigiLink interfaces for connection directly to the Pro Tools DSP cards. The AX24 will appear in Pro Tools as a 192 I/O with 8 analog input channels and 8 analog output channels. Up to four AX24 units can be connected to one DigiLink providing a total of 32 I/O channels at 192 kHz sampling frequency.

## Remote Control

AX24 is remote controlled via a RS-422/USB connection from a Windows or MAC OSX PC running the DADman control software. DADman can be automated by other applications via MIDI control or the Euphonix EuCon protocol on Ethernet. Using MIDI AX24 can emulate a Pro Tools PRE, and via EuCon the AX24 can be controlled by the Euphonix 5MC, and MC Pro fader controllers. The sample rate of the AX24 when connected to AVID Pro Tools via the PHD I/O card can be directly controlled by the Pro Tools project sample rate.



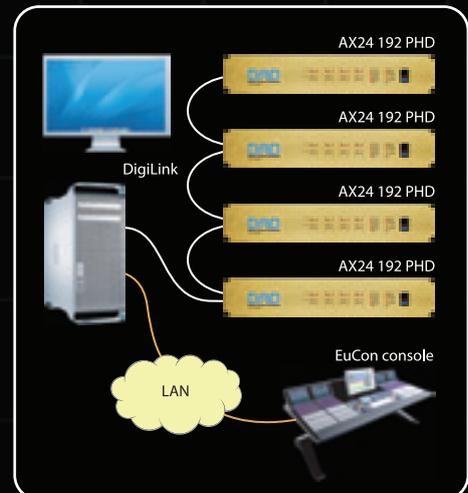
## MADI I/O card



## PHD I/O card



## AX24 192 PHD configuration



## Specifications

- |                          |          |                               |               |
|--------------------------|----------|-------------------------------|---------------|
| • Dynamic range, ADC (A) | > 121 dB | • Cross talk (A)              | < 120 dB      |
| • THD+N ADC (A)          | < 115 dB | • Mic Equivalent noise (150R) | < 130 dB      |
| • Dynamic range, DAC (A) | > 117 dB | • Mic gain range              | -18 to +70 dB |
| • THD+N DAC (A)          | < 105 dB | • Mic gain step accuracy      | < 0,25 dB     |