

Using the very latest converter and component technology, PRIME modules are designed to deliver next-level audio quality for critical live, broadcast and studio applications. They offer improved SNR, THD+N, slew rate, frequency response at low frequencies, consistency across channels, and crosstalk.

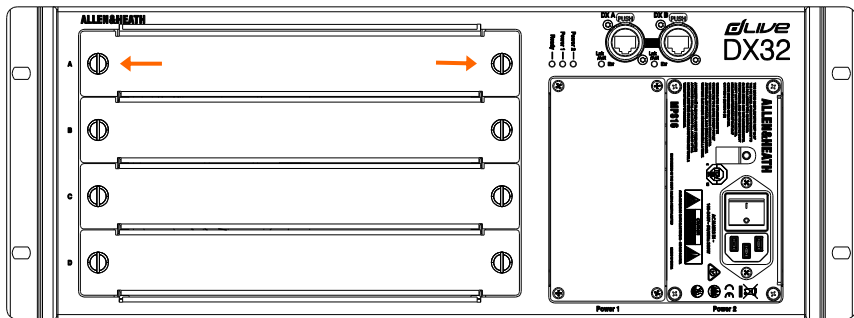
M-DX32-OUTPR can be fitted to the Allen & Heath DX32 Expander and used in conjunction with other I/O.

- ❗ PRIME modules require dLive firmware V1.71 / SQ firmware V1.4.0 or higher.

Fitting the module

The DX32 provides 4x slots for 8ch modules labelled A, B, C, D. Any combination of analogue or digital I/O modules can be fitted.

To fit a module, switch the Expander off, and remove the blank panel by loosening the 2 thumb screws; remove the film protection from the module's multipin connector, slide the module into the slot and press it firmly into the mating connector, then secure it by tightening the thumb screws.

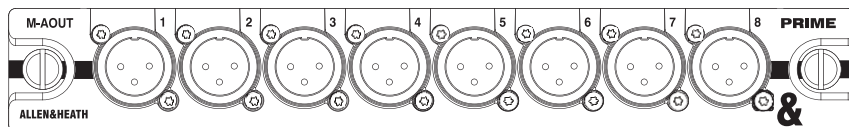


Use the dLive / SQ I/O screen to patch signals from or to the DX32 I/O.

- ❗ For more information please refer to the DX32 Getting Started Guide and dLive / SQ Firmware Reference Guides available for download at www.allen-heath.com.

Front panel

M-DX32-OUTPR provides 8x line level, XLR outputs with a fully balanced topology and 32bit converters. The outputs are relay protected to prevent power on or off thumps.

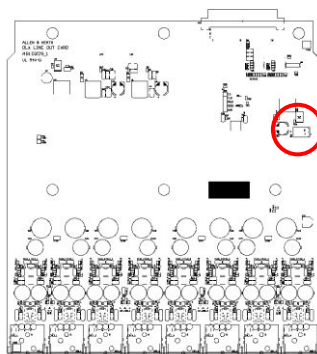


DIP switch settings

Two DIP switches allow customisation of the converters' digital decimation LPF settings to suit the application. Note that the settings interact with each other. The default factory setting is Normal Latency, Slow Roll-off.

SW1 <i>Controls the roll-off of the filter</i>	SW2 <i>Controls the latency of the filter</i>	Latency*
On (switch down) Sharp Roll-off	On (switch down) Normal Latency	573µs
On (switch down) Sharp Roll-off	Off (switch up) Low Latency	323µs
Off (switch up) Slow Roll-off	On (switch down) Normal Latency	333µs
Off (switch up) Slow Roll-off	Off (switch up) Low Latency	312µs

*Latency measured when routing Direct Out from a DX32 PRIME input, default switch settings.



The DIP switches can be found on the right side of the PCB board

Technical specifications

DAC

96kHz, 32-bit Delta-Sigma

Analogue XLR Outputs

Output Impedance

<60Ω

Nominal Output

+4dBu = 0dB meter reading

Maximum Output Level

+22dBu

Residual Output Noise

-94dBu (22-22kHz)

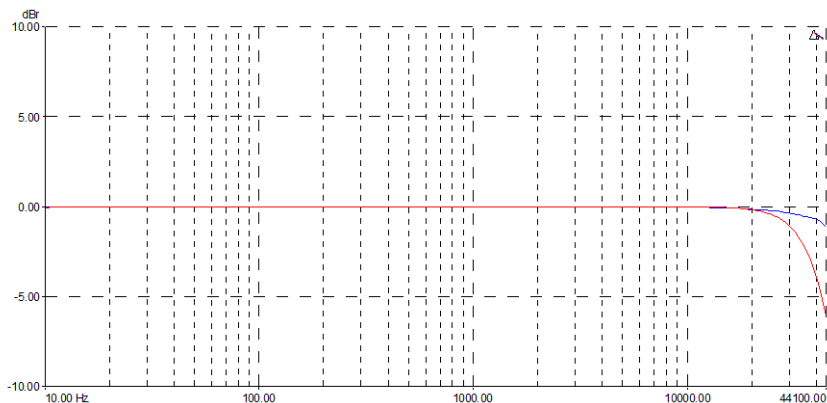
THD+N

-105dB (22-22kHz) @1kHz

Crosstalk separation

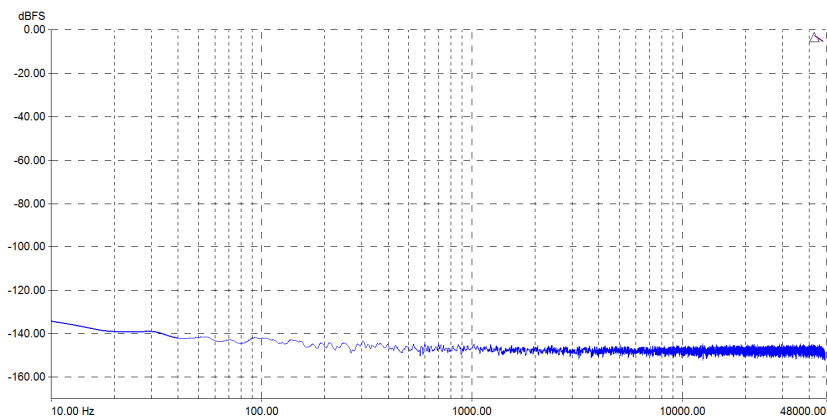
-94dBu (22-22kHz) @1kHz

Frequency Response and Residual Noise



From AES in
Switch 1=ON (Sharp Roll-off)

From AES in
Switch 1=OFF (Slow Roll-off)



From AES in

Copyright © 2019 Allen & Heath. All rights reserved.

ALLEN&HEATH