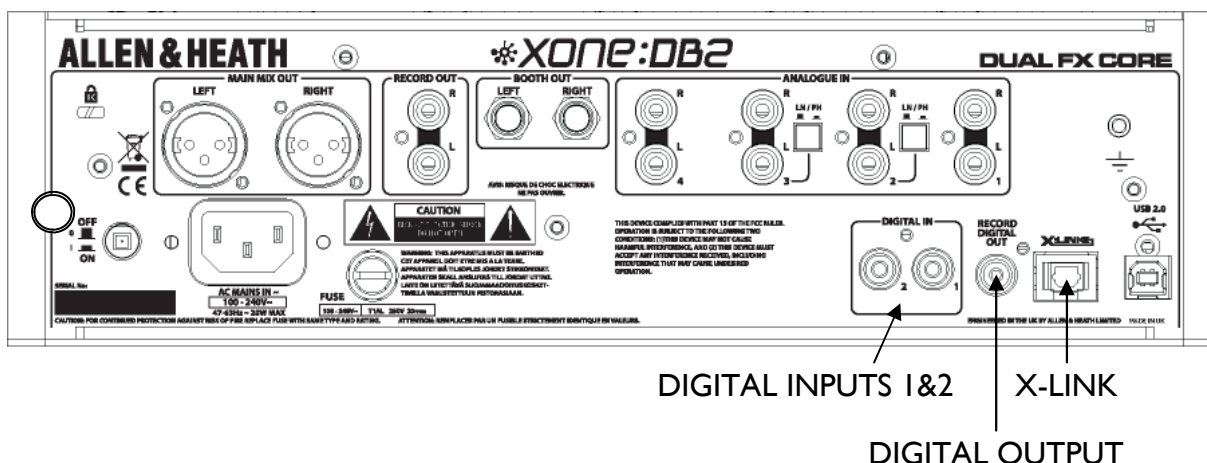


# DIGITAL IO - X-LINK

## DIGITAL INPUTS - DIGITAL OUTPUT



**DIGITAL INPUT:** The XONE:DB2 has two digital inputs on the rear panel designed for standard 75 Ohm RCA interface cables. These inputs are compatible with the following formats: AES3, IEC60958, S/PDIF (Sony/Phillips Digital Interconnect Format), EIAJ CP1201, all from 32kHz to 192kHz, and up to 24bits.

**Digital Output:** The digital output is fixed at 48kHz/24 bit, non copy protected, with a 75 Ohm impedance. The digital output source, and signal level is set in the Menu under “Record Setup”, see page 24 for details.

### X-LINK

**X-Link** is a proprietary interface protocol to enable future Allen & Heath accessories and controllers to be easily connected to the XONE:DB2. Visit [www.XONE.co.uk](http://www.XONE.co.uk) for the latest news on X-Link enabled products.

## DIGITAL ARCHITECTURE SPECIFICATION

Analogue/Digital conversion	24 bit
Analogue/Digital Line-up	+12dBu = 0dBFS
DSP processing	24 bit I/O + 48 bit EQ
DSP Mix Bus	56 bit Fixed Point
DSP core sampling frequency	48kHz
USB soundcard sampling frequency	48kHz
SPDIF input sampling frequency range	32kHz to 192kHz
SPDIF Output sampling frequency	48kHz

Dual FX Core DSP engine: 2 simultaneous FX engines with independent BPM calculation.

# SPECIFICATIONS

## Operating levels

Main outputs	0VU = +4dBu
Monitor	0VU = +4dBu
Record	0VU = +4dBu
Maximum output level	+16dBu balanced
Mic Sensitivity	-20dB - -50dB
RIAA input sensitivity 1kHz	70mV = 0VU (200mV max)
Frequency response Line in to Mix out	10Hz - 20kHz +0/-0.5dB
Distortion at 1kHz Line in at +0VU out	0.003% (-90dB) un-weighted
Main Mix noise 22Hz— 22KHz un-weighted	-88dBu (104dB dynamic range)
Residual Mix noise 22Hz— 22KHz un-weighted	-94dBu
Equalization	+6dB boost/-26dB or Total Kill 3 Band
Fader Shutoff	-110dB

See Page 35 for Digital Architecture Specification

## Dimensions and Weights

The console is fitted with rubber feet for desktop operation. A screw on rack ear kit is available for 19" rack or plinth mounting.

	Width	Height	Depth	Weight
Desktop	320 mm (12.6")	88 mm (3.5")	358 mm (14")	5.1 kg (11 lbs)
Rack ears fitted	483 mm (19")	88 mm (3.5")	358 mm (14")	
Packed	530 mm (20.9")	470 mm (18.5")	260 mm (10.2")	8.6 kg (19 lbs)

To order a rack ear kit for the XONE:DB2, please quote the part number X:DB4-RK19 (to fit DB4 and DB2).

