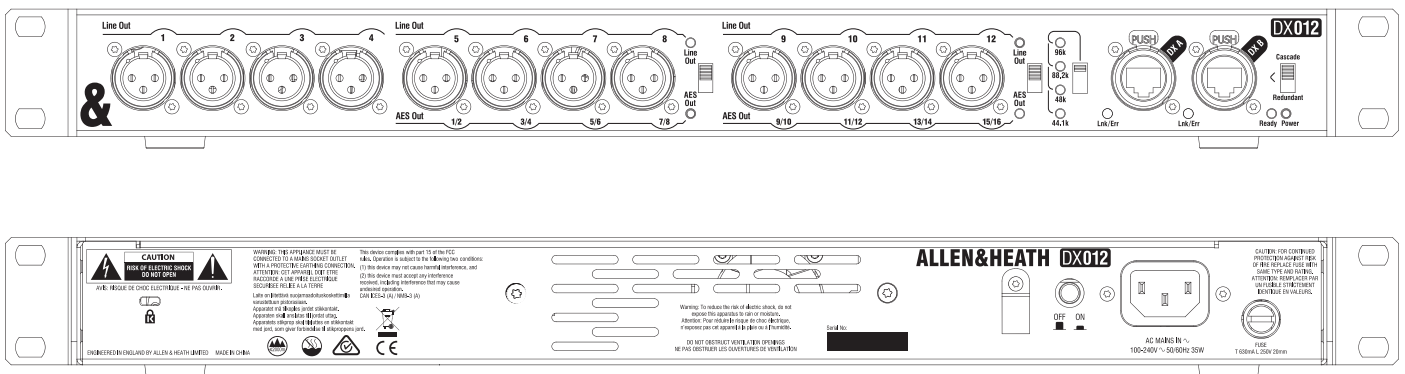


DX012 Technical Datasheet

Overview

- 12 XLR outputs, configurable as
 - 12 analogue
 - 8 analogue + 4 stereo AES
 - 4 analogue + 8 stereo AES
- DX A and B with locking Ethercon ports
- Redundant or cascade mode
- Switchable AES sample rate



A&E Specifications

The unit shall be a 1U rack-mountable remote output device for Allen & Heath mixing systems. The remote audio rack shall provide 12 XLR outputs, configurable as 12 analogue, 8 analogue + 4 stereo AES, or 4 analogue + 8 stereo AES outputs. It shall connect to the mixing system over a single Cat cable.

The AES outputs shall be capable of 44.1, 48, 88.2 and 96kHz sampling rate.

Two Ethercon DX connectors shall be provided for transport of the digital audio. The unit shall be able to operate in 'redundant' or 'cascade' mode. In 'redundant' mode the unit shall provide full redundant connection to compatible mixing systems. In 'cascade' mode the unit shall allow series connection of two units.

Unit firmware shall automatically be updated when connected to the digital mixing system.

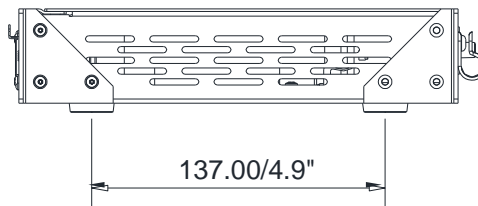
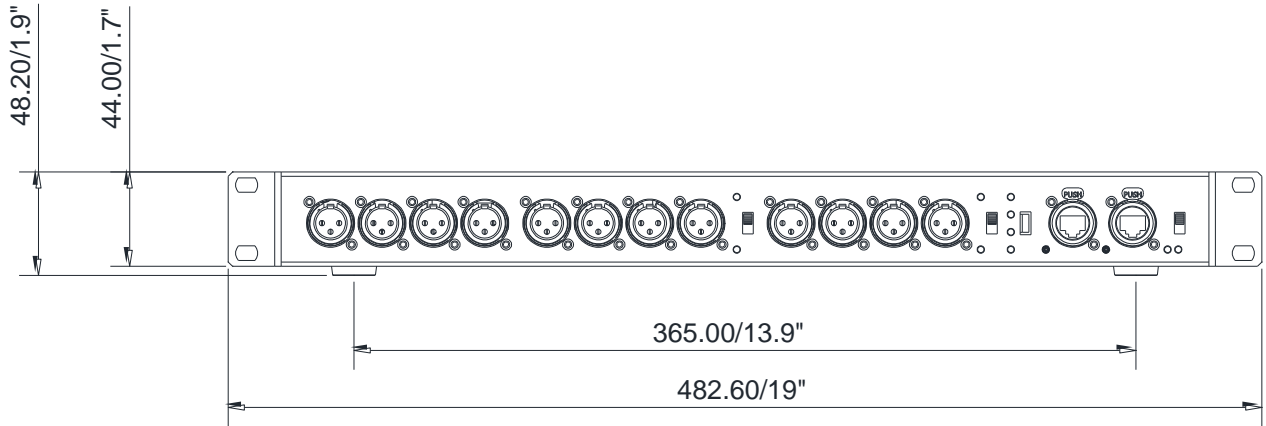
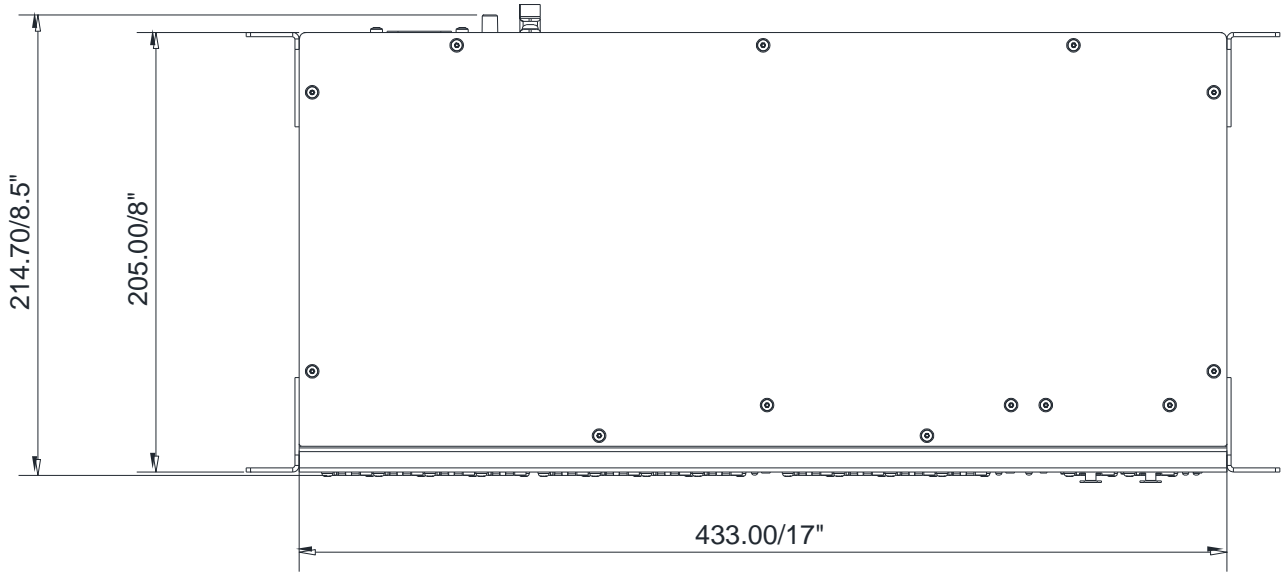
The remote audio rack shall have a built-in power supply accepting AC mains voltages of 100~240V, 50/60 Hz, 35W max via an earthed 3-pin IEC male connector on the rear panel.

The rack ears shall be detachable and reversible so that the unit can be mounted with either side facing the front of the rack.

Recommended operating temperature for the remote audio rack shall be 0 to 40 degrees Celsius.

The unit shall be the Allen & Heath DX012.

Dimensions



System Specification

Digital Outputs	AES3 2 Ch XLR, 2.5V balanced, terminated 110 Ω
Sample Rate	44.1kHz, 48kHz, 88.2kHz, 96kHz
Analogue XLR Outputs	Balanced, Relay protected
Output Impedance	< 60 Ω
Nominal Output	+4dBu = 0dB meter reading
Maximum Output Level	+22dBu
Residual Output Noise	-95dBu (22Hz-22kHz)
THD+N	-98dB (0dBu, 1kHz)
Operating Temperature Range	0°C to 40°C (32°F to 104°F)
Power	
Mains Voltage Operating Range	100-240V AC, 50/60Hz
Mains Power Consumption	35W max
Dimensions and Weight	<i>Width x Depth x Height x Weight</i>
DX012	482.6 x 48.2 x 214.7 mm x 2.95kg (19" x 1.9" x 8.5" x 6.5lbs)
DX012 (boxed)	600 x 335 x 150 mm x 4.1kg (23.6" x 13.2" x 5.9" x 9lbs)