



RB-AES4X3 Quad 3 Way AES/EBU Splitter XLR Connectors

The RB-AES4X3 is a passive, quad “one-to-three” splitter housed in a 19” rack. Each bank is designed to split a single AES3 digital audio source to up to three destinations, using Neutrik XLR connectors.

The RB-AES4X3 provides solutions to a range of digital signal distribution problems, where correct termination is essential to

maintain signal integrity. The input signal is split through high quality transformers, and 110Ω termination can be applied, if desired, to unconnected outputs.

The RB-AES4X3 requires no power to operate, ensuring your audio remains connected from source to destination(s) without interruption from power failures.



Category: Audio Distribution Amplifiers.
Product Function: 4 sets of: 1 input, 3

output AES3 distribution amplifier.
Typical Applications: Distribution of AES3 source to 3 mixing consoles.
Features: No power needed, can apply 110Ω termination to unconnected outputs, transformer based solution provides reliability.

Specification For RB-AES4X3

Audio Specification Cable Drive Capability

The table below sets out the minimum signal amplitude required to drive 100m (cumulative) of 110Ω twisted pair cable, based on the sample rate of the digital audio:

Sample Rate	Minimum Signal Amplitude
32kHz	*2Vpk-pk
44.1kHz	*2Vpk-pk
48kHz	*2Vpk-pk
88.2kHz	5Vpk-pk
96kHz	5Vpk-pk

* Minimum of 2Vpk-pk is defined by the AES3 format specification.

The table below sets out the minimum signal amplitude required to drive 30m (cumulative) of 110Ω twisted pair cable, based on the sample rate of the digital audio:

Sample Rate	Minimum Signal Amplitude
176.4kHz	3Vpk-pk
192kHz	3Vpk-pk

Connections

Inputs: 4 x XLR 3 pin female
Outputs: 12 x XLR 3 pin male

Equipment Type

RB-AES4X3 Quad 3 way AES/EBU splitter with XLR connectors

Physical Specification

Dimensions (Raw):	48cm (W) x 10.8cm (D) x 4.2cm (H)(1U)
Dimensions (Boxed):	19" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	58.5cm (W) x 22.5cm (D) x 7cm (H)
Dimensions (Boxed):	23" (W) x 8.9" (D) x 2.8" (H)
Weight:	Nett: 1.0kg Gross: 1.4kg
	Nett: 2.25lbs Gross: 3.0lbs

