

AUDIO INTERFACES

Redbox - Audio Distribution Amplifiers

RB-DDA6S 6 Way Stereo S/PDIF Digital Distribution Amplifier

The RB-DDA6S digital distribution amplifier is similar to the RB-DDA6A except that it is used for distributing digital audio data in S/PDIF format.

It has a single S/PDIF audio input which is distributed to 6 x S/PDIF audio outputs at the same level and condition as the input signal. It can accept input sample rates in

the range of 30kHz - 100kHz, and bit rates of 16, 20 and 24 bit.

Uses include audio distribution at 16 bit 44.1kHz from a consumer CD player to multiple digital recorders, distribution of high quality 24 bit 96kHz signals from digital mixing desks to recorders and connection of the output of, say, a DVD player to multiple studios.



24^{BIT}
96^{kHz}



Audio Specification For RB-DDA6S

Input Impedance: 75 \pm 5% unbalanced

Output Impedance: 75 \pm 5% unbalanced

Sample Freq. Range: 30-100kHz (i.e. including 32kHz, 44.1kHz, 48kHz, 64kHz, 88.2kHz & 96kHz)

Signal Level: Balanced min 0.5V \pm 20% peak to peak

Connections

Input: 1 x S/PDIF RCA phono (unbalanced)

Outputs: 6 x S/PDIF RCA phono (unbalanced)

Mains Input: Filtered IEC, switchable 110-120V, or 220-240V, fused, 6W max

Fuse Rating: Anti-surge fuse 100mA 20 x 5mm (230VAC)
Anti-surge fuse 250mA 20 x 5mm (115VAC)

Equipment Type

RB-DDA6S: 6 way stereo S/PDIF digital distribution amplifier

Physical Specification

Dimensions (Raw): 28cm (W) x 10.8cm (D) x 4.2cm (H) (1U)
11" (W) x 4.3" (D) x 1.7" (H) (1U)

Dimensions (Boxed): 36cm (W) x 20.5cm (D) x 6cm (H)
14.2" (W) x 8" (D) x 2.4" (H)

Weight: Nett: 0.9kg Gross: 1.35kg
Nett: 2lbs Gross: 3lbs

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