

RDA-02

Versatile Audio Distribution Amplifier



The RDA-02 is a Versatile High Performance Audio Distribution Amplifier, featuring Four Identical Monophonic Distribution Amplifiers, each provided with Five Balanced Low Impedance Outputs

It is Self Contained, AC Mains Powered, Rack Mounting and occupies 1 Unit of Rack Space

The RDA-02 is provided with High Impedance Differential Balanced Line Level inputs, on a DB 9 Female Connector, and Unbalanced Hi-Fi Level 300 mV inputs on RCA Connectors

Each individual input is selectable by Internal Links to be Balanced or Unbalanced making the RDA-02 usable as a Balancing Amplifier

An Internal Input to Output Link Matrix together with Mono Summing Amplifiers makes the RDA-02 a highly versatile unit, allowing several modes of operation, (See Block Diagram for combinations)

Possible operation is, 4 x independent Mono Audio DA's, 2 x Stereo DA's, 1x Stereo DA with 1 x Mono DA fed from summed Stereo Input, plus 1 x Spare Mono DA

As supplied from Elan Audio, the RDA-02 is linked as 4 x independent Mono or 2 x Stereo DA's with gain set to unity

Gain of each Amplifier Stage is Screwdriver Adjustable from the Front Panel, + and – 10 dB from unity

The Gain Control Potentiometers have 18 tooth splined shafts and may be moved forward on the PCB to accept standard Splined Control Knobs

A Yellow and Red Indicator LED is provided for each Output Amplifier

Yellow LED indicates Audio Present at about – 24 dBu or above, Red LED is set to flash at + 14 dBu warning of potential overload of external systems connected to the RDA-02

The RDA-02 itself is capable of handling Audio Levels up to + 26 dBu

Outputs are provided on two DB 25 Male Connectors

FEATURES

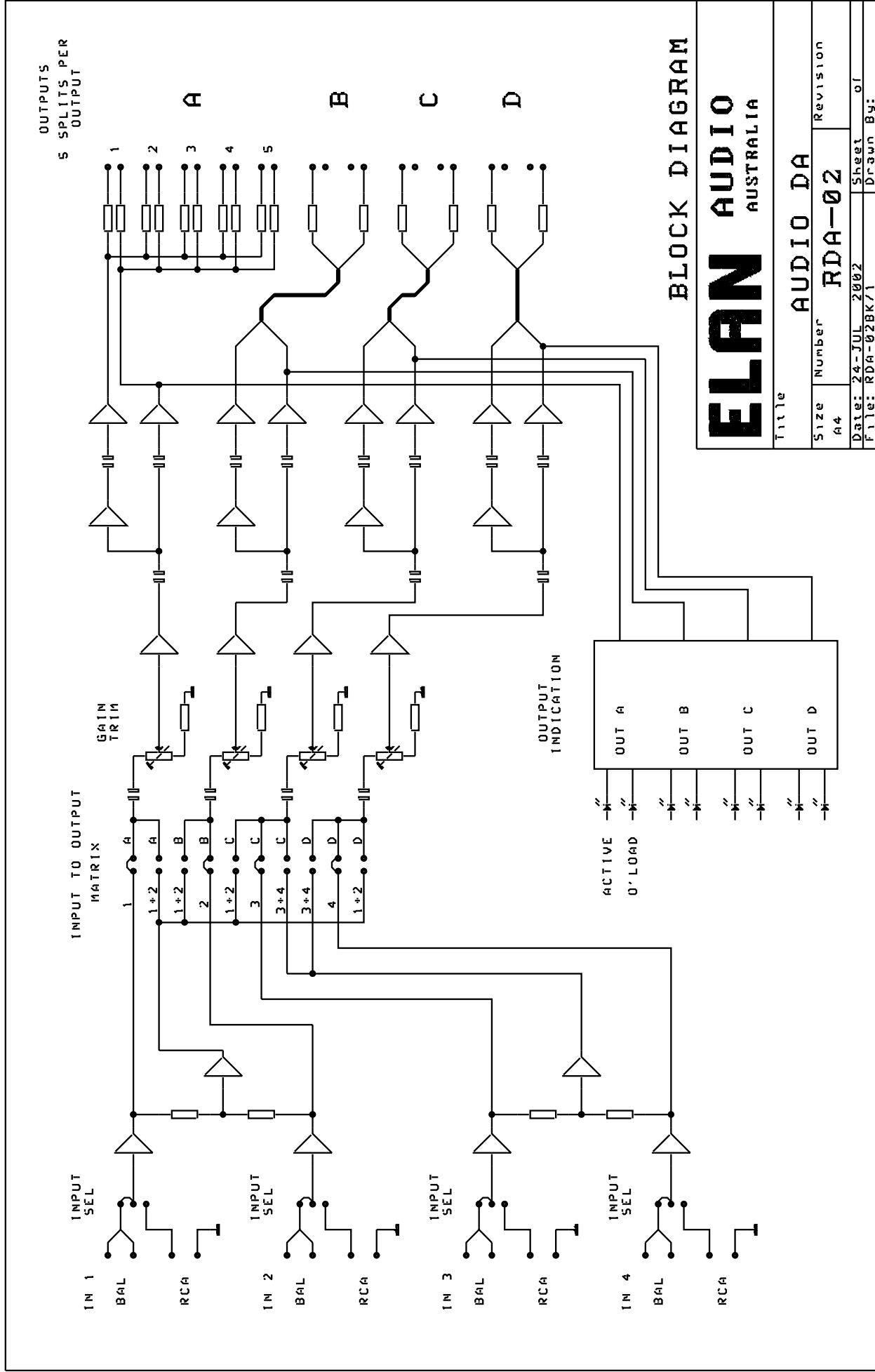
- 4 x Mono or 2 x Stereo Audio DA's each with 5 Balanced Outputs
- Link Selectable Balanced and Unbalanced Inputs
- Versatile Link Selectable Input to Output Matrix
- Front Panel Adjustable Gain Controls + and – 10 dB Range
- Audio Presence and Overload Indicators
- + 26 dBu Audio Level Capability

APPLICATIONS

- Audio Distribution
- Stereo to Mono Conversion
- Balancing Amplifier

TECHNICAL SPECIFICATIONS

Inputs	DB 9 Female, Balanced, Line Level, High Impedance RCA, Unbalanced, 300 mV, High Impedance
Sensitivity	Adjustable Balanced + and – 10 dB from Unity
Outputs	DB 25 Male, Balanced, Low Impedance 50 Ohms
Max Output Level	+ 26 dBm into 600 Ohms
Frequency Response	+ 0 – 1 dB 10 Hz to 45 KHz
Distortion	+ 20 dBm Out, less than 0.01%
S/N Ratio	94 dB WRT +14 dBu. 20 Hz to 20 KHz
Channel Separation	85 dB or Better
Power Supply	210 V to 260 V AC 50 to 60 Hz
Power Consumption	Approximately 20 VA
Construction	1 RU Rack Mounting, all Aluminium, Painted Front Panel
Dimensions	W 482.6 mm x H 44.45 mm x 290 mm
Weight	2.2 KG Unpacked
Weight	2.6 Kg Packed for Shipping



ELAN AUDIO AUSTRALIA

Title		AUDIO DA	
Size	Number	Revision	Revision
A4	02	02	
Date:	24-JUL-2002	Sheet	of
File:	ADA-02BK/1	Drawn	By: