

# Distribution Amplifiers DA116R DA216R

## Description

The DA116R and DA216R are respectively a sixteen output mono and an eight output stereo distribution amplifier housed in a 1U 19", rackmounted case with integral mains power supply. Audio connectors are via a Varicon connector to conveniently terminate all audio with one multicore cable.

## Features:

**Inputs: DA116R:** One electronically balanced, high impedance input, via XLR and 56 way female Varicon connector.

**DA216R:** Two electronically balanced, high impedance inputs, which can be operated in stereo or dual mono mode. Inputs are via XLR and 56 way female Varicon connectors. For both amplifiers input transformers are available as an optional extra. All inputs have an internal gain adjustment of 6dB.

**Outputs: DA116R:** Sixteen, electronically balanced, resistively split outputs, for driving balanced circuits.

**DA216R:** Eight electronically balanced, resistively split outputs per input, for driving balanced circuits.

**Connectors:** All audio inputs and outputs via a 56 way Varicon connector. The inputs are also via 3 pin rear panel XLR.

**Options:** Transformer balanced inputs

## Applications

The DA116R and DA216R are basic mono and stereo distribution amplifiers for use on balanced audio circuits. As all audio is available on a single multiway connector it provides a quick and convenient method of installing a distribution system in equipment bays.

## Related Products

Audionics manufactures a wide range of audio distribution amplifiers which include the more sophisticated DA210E, a 1U rackmounted 4 stereo output electronically balanced DA with XLR connectors and a range of Eurocard amplifiers for standard 3U card frames.

## Key Features

Electronically balanced inputs

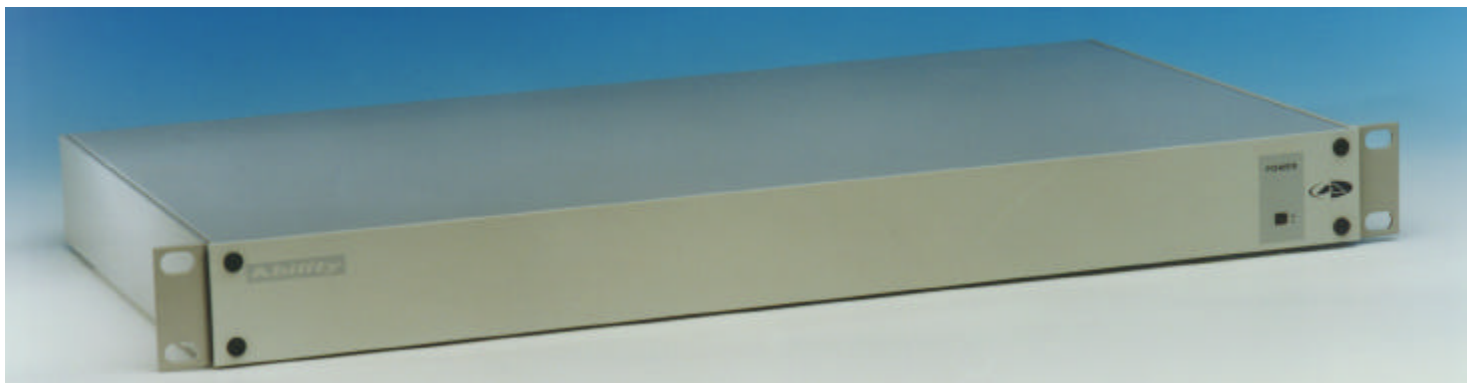
Resistively split outputs

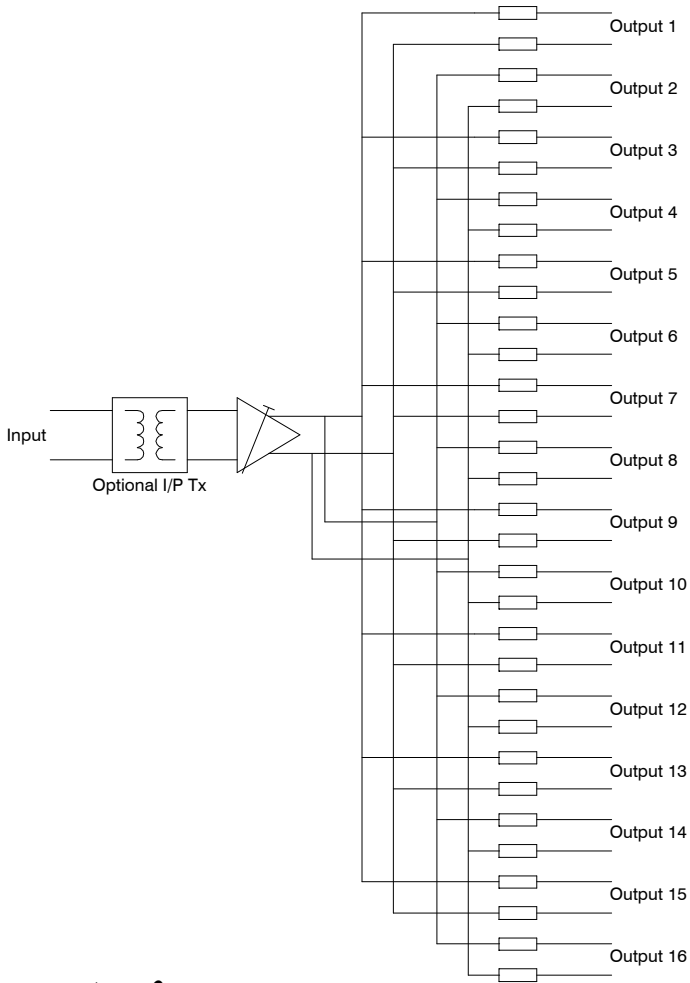
DA116R 1 in 16 mono out

DA216R 2 in 8 stereo out

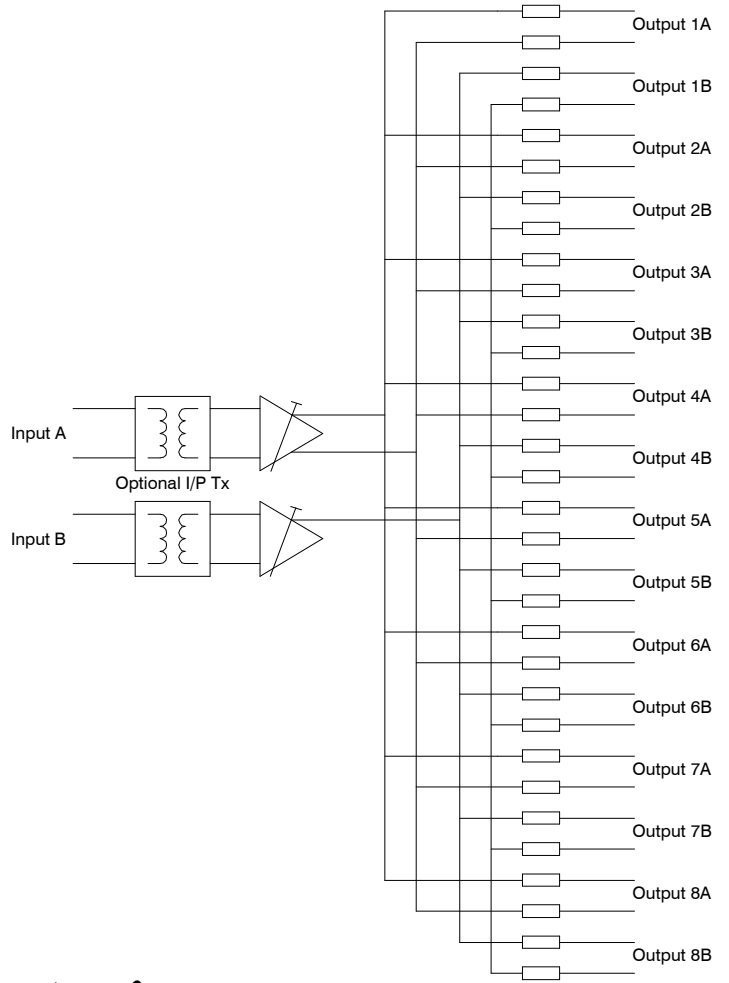


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DA116R System Diagram



DA216R System Diagram

Technical Specifications	DA116R	DA216R
Input Impedance	>60k ohms	>60k ohms
Maximum Input	+22dBu	+22dBu
Output Impedance	44 ohms	44 ohms
Maximum Output	+23dBu	+23dBu
Output Gain Adjust	±6dBu	±6dBu
Frequency Response	±1dB, 10Hz-24kHz	±1dB, 10Hz-24kHz
Distortion (THD + Noise)	<0.02%, 100Hz-10kHz @+20dB	<0.02%, 100Hz-10kHz @+20dB
Noise	-80dBu peak, 20Hz-20kHz	-80dBu peak, 20Hz-20kHz
Dimensions	1U(44mm) high, 245mm deep	1U(44mm) high, 245mm deep
Power	220-240V, 20W	220-240V, 20W
Weight	5kg	5kg
Crosstalk	-	<-80dBu @10kHz

Specification and designs are subject to change without prior notice for the purposes of improvement. E & OE