

Line Balancing Unit

AR-204

The **AR-204** is a high quality, passive, transformer coupled balancing unit that has been designed to provide balanced and floating 600 ohm signal outputs from an unbalanced line level input signal, or to terminate a balanced 600 ohm line for unbalanced use. In addition the unit can be used as a floating balanced isolator when protection is required between two audio circuits.

Each unit contains four electrically independent channels with XLR style input and output connectors. The **AR-204** is designed for the professional audio industry where high specification line balancing is required and considerable attention has been given to the low frequency performance as well as the practical requirement of driving long lengths of signal cable.

Each 4-channel unit is free standing but by utilising an optional rack panel, one or two units can be mounted in 1U of rack space.

The **AR-204** is ideal for balancing the outputs of BSS equipment such as the **DPR-402** and **FDS-360** series.

FEATURES

- 4 independent channels on XLR style connectors.
- Suitable for balancing any unbalanced line level signal source or to provide an isolated floating signal source within a balanced system.
- Superior signal level handling even at very low frequencies.
- Custom designed toroidal transformer to give excellent performance into long lengths of signal cable.
- Rugged design for free standing use, individual mounting within a rack system, or on the optional rack-mounting panel.



TECHNICAL SPECIFICATIONS

Custom designed audio toroidal transformer for 600Ohm line level output balancing.

INPUTS Maximum input level +26dBm, 45Hz to 20kHz.
Will handle +22dBm at 30Hz and +15dBm at 15Hz

OUTPUTS Maximum output load 600Ohms. Less than 0.5dB drop in level for load changes from 10k to 600Ohms

FREQUENCY RESPONSE
15Hz-25kHz, +0/-1dB into 600Ohms

CMRR >60dB for input signals when utilising AR-204 as a balanced isolator

HIGH VOLTAGE COMMON MODE ISOLATION
1500v rms AC

CONNECTIONS
XLR style 3 pin audio connectors

SIZE 217mm x 87mm x 38mm (8.5" x 3.5" x 1.5")

WEIGHT 1.24Kg unpacked (2.8lbs)

OPTIONS Rack panel AR-211 available to mount 1 or 2 units in 1U of rack space

In keeping with our policy of continued improvement, BSS Audio, reserves the right to alter specifications without further notice. This product was designed developed and produced by BSS Audio, Hertfordshire, England.

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