

# AR-133



## **AR-133**

The new AR-133 Active DI Box / Line Balancer is set to follow on in the successful tradition of BSS's legendary AR-116 device.

With added functionality and enhanced audio performance, the AR-133 has been designed to be more affordable for musicians, studios and PA companies.

The unit includes phantom power and battery supplies as standard. Should the phantom power from the console fail or be accidentally switched off, the AR-133 automatically switches over to the internal 9V battery providing uninterrupted use.

The unit is housed in a rugged aluminium extrusion case, with robust polyurethane end-cheeks which give the AR-133 a very distinctive look.

Input connectors are both 1/4" jack sockets and an XLR socket, the latter meaning that the AR-133 can be used to convert unbalanced signals to a balanced output on XLRs throughout. The arched case allows cables to run back underneath the unit from the end for neat cable management.

Input attenuation is 0, -20 or -40dB, making the box suitable for instrument, line or amplifier levels on inputs.

On the output side, a ground-lift switch is provided for quick solutions to ground-loop problems.

The AR-133 uses an enhanced version of the same audio path as the AR-116, now regarded by many people as a reference standard. The sound quality is legendary, particularly on acoustic and bass guitars.

Numerous applications can be satisfied by the AR-133. For example, as well as the traditional guitar use, the AR-133 can be used with keyboards, DJ consoles, amplifier outputs, and other electronic sources. An additional bonus is the ability to use the AR-133 as an active balancing device.

## **TECHNICAL SPECIFICATION**

### **AR-133 ACTIVE DI BOX / LINE BALANCER**

#### **Input Section**

INPUT IMPEDENCE  
1M  $\Omega$  (pad at 0dB)  
47k  $\Omega$  (pad at -20dB)  
47k  $\Omega$  (pad at -40dB)

MAX INPUT LEVEL  
+9dBu (pad at 0dB)  
+29dBu (pad at -20dB)  
+49dBu (pad at -40dB)

*See your local dealer or contact BSS Audio, Linkside House, Summit Road, Potters Bar, Hertfordshire EN6 3JB. United Kingdom.*

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*USA Distribution: Pro North America, 1449 Donelson Pike, Nashville TN 37217, USA.  
Tel: (615) 399 2199 Fax: (615) 367 9046*

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## CONNECTORS

Two Parallel 1/4" jack connectors and a parallel XLR connector (unbalanced)

Jack: Tip Hot (+ve)  
Sleeve Ground

XLR: Pin 2 Hot (+ve)  
Pin 1 & 3 Ground

## OVERALL DIMENSIONS

59 mm x 124 mm x 143 mm (2.3" x 4.9" x 5.6")

\* Noise measured relative to maximum output level.

## Output Section

### Output

#### TRANSFORMER BALANCED

Max. Output Level +8dBu into 600  $\Omega$  or greater

#### CONNECTOR

XLR3-32 or equivalent

In keeping with our policy of continuous improvement, BSS Audio reserves the right to alter specifications without further notice.

## System Performance

#### DISTORTION

(THD) < 0.005% at 1kHz, 0dBu output

#### NOISE

<-105dB unweighted, 22Hz-22kHz, rms\*

#### FREQUENCY RESPONSE

30Hz to 20kHz, +0dB/-1dB

## General

#### MAIN/STANDBY BATTERY

9 volt PP3 type, preferably alkaline.

#### CURRENT DRAIN

: on phantom - less than 7.5mA

: on battery - less than 2mA.

#### PHANTOM POWER

+20 volts DC to +48 volts DC

#### WEIGHT

650 gms, excluding batteries.

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