

FDS-318



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The FDS-318 is a multimode, sweepable crossover switchable for stereo 3-way/4-way operation with selectable hi-pass and low-pass overlap modes plus a range of four-channel bi-amp modes. Features include switchable MONO LOW and CD EQ constant-directivity horn correction, signal present and PEAK (+10dB) LEDs, plus output Gain, Mute and Polarity controls. Range switching is automatic under PROM-based multimode selection. Filters are 24dB/octave Linkwitz-Riley and electronic balanced inputs and outputs are standard.

TECHNICAL SPECIFICATION

Input Section

IMPEDANCE

12k Ω electronically balanced

HEADROOM

+20dBu maximum input level

INPUT CMRR

> -50dB, 50Hz to 15kHz

CONNECTOR

XLR 3-31 or equivalent

Output Section

OUTPUT

Electronically balanced and floating

LEVEL

Capable of driving +26dBu into 600 Ω (+26dBm) or greater.

When unbalanced, maximum output level is +20dBu into 600 Ω or greater

CONNECTOR

XLR 3-32 or equivalent

System Performance

FREQUENCY RESPONSE

Subsonic high pass filter -3dB at 15Hz, 6dB/oct

Ultrasonic low pass filter -3dB at 30kHz, 12dB/oct

THD + NOISE

Better than 0.05% 20Hz-20kHz any level up to +18dBu

OUTPUT NOISE

Better than -85dBu 22Hz to 20kHz

OUTPUT LEVEL CONTROL

+6dB gain to OFF. Calibrated 0dB gain marker

SIGNAL METERING

Signal present LED -20dBu at output connectors

Signal overload LED +10dBu at output connectors

MODES

Stereo four way, stereo three way, four channels two way. Stereo four way includes options for extra overlapping high pass and extra overlapping high pass and extra overlapping low pass outputs

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

Tel: +44(0)1707 660667 Fax: +44(0)1707 660755

<http://www.bss.co.uk>

USA Distribution: Harman Pro North America, 1449 Donelson Pike, Nashville TN 37217, USA.

Tel: (615) 399 2199 Fax: (615) 367 9046

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Crossover Filter

FILTER TYPE

Fourth order, 24dB/oct Linkwitz-Riley adjustable over 10:1 sweep range. Mode switching includes x10 and ÷10 scaling

SWEEP RANGE

4-way: Lo-Lo Mid: 200Hz-2kHz
4-way: Lo Mid-Hi Mid: 200Hz-2kHz
4-way: Hi Mid-Hi: 1k25Hz-12k5Hz
3-way: Lo-Mid: 200Hz-2kHz
3-way: Mid-Hi: 2kHz-20kHz
2-way: Hi: Lo-Hi: 2kHz-20kHz
2-way: Mid: Lo-Hi: 200Hz-2kHz
2-way: Lo:Lo-Hi: 20Hz-200Hz

CD HORN EQ

First order, rising 6dB/oct. +3dB at 3kHz.

+ 15dB at 20kHz switchable on outputs 5 and 6 in stereo modes, and outputs 2,4,6 and 8 in quad bi-amp mode

MONO LO

Switchable summing of output 1 and 2 (stereo modes only)

General

SIZE

44.5 x 482 x 288mm (1.75" x 19" x 11.3")

WEIGHT

4.2kg net. 5.2kg packing in shipping carton

MAINS SUPPLY

AC 40VA 50-60Hz, 96v-132v or 192-264v selectable externally. Anchored 2 metre power cord.

The FDS-318 has been tested and conforms to the safety requirements of Cenelec HD 195.S6 and BS415:1990.

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.

A Harman International Company.

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