

AMBER active data sheet 2004

HIGH LIGHTS

10" Fibreglas Woofer

- ♦ Dual Coil Long excursion driver
- ♦ +/- 16mm membrane excursion

2x160W amplifier

- ♦ Eliminates time related distortion
- ♦ controlled damping

3 channel IN/OUT (XLR)

- ♦ Balanced / unbalanced
- ♦ L/C/R IN/OUTs
- ♦ 3 channel filtered/by-passed

By-Pass function via remote

- ♦ Sub-Woofers by-pass
- ♦ Satellites filtered / or full range

Level and Phase control

- ♦ Sensitivity adjustable and Phase
- ♦ -40 to + 10dB
- ♦ from 0 to 360 degree (12 steps)

80/150 Hz X-Over crossing

- ♦ 80Hz for single Subwoofer
- ♦ 80/150Hz for modumo™ -application

SPECS

SYSTEM

System design	Dual coil long excursion bass reflex
Lower cut off frequency	32 Hz (-3dB)
Frequency response (free field)	32-2.000 Hz (±3dB)
Maximum output, sine wave	118 dB
Maximum output, long term, (RMS)	115 dB
THD at 95dB SPL <100Hz	1,60%
THD at 95dB SPL >100Hz	0,50%
Bass-driver	1 x 25cm , fiberglass
Shielded Version	no
Weight	23,5 Kg
Dimensions (width/height/depth)	290 x 420 x 450 mm

ELECTRONIC

Type of input connector	3 x XLR, female (L/C/R)
Type of output connector	3 x XLR, male(L/C/R)
Input impedance	10 kOhm
Input level adjustment	32 steps from 0,45 - 4,5V
Low pass filter	20 Hz / 18dB
X-over frequency	80 / 150 Hz
X-over bypass / woofer mute	yes
Phase polarity (degree)	0/180
Phase control (degree)	30/60/90/120/150
RMS output Bass-amp	2x160 W
Distortion at maximum acoustic output	0,40%
Signal to noise ratio, at full output	102 dB
Main voltage	115 / 230 V ±20%
Type of Power supply	analog
Power consumption (full output)	340 W, 25 W stand by

Main Purpose

Listening distances	100 - 450 cm
Near field	x
Mid field	x
Main monitoring	x

