

Earlybird 4 - Specification

Included are the figures for noise, distortion and EQ. They are all measured with the Earlybird set up for 44dB mic gain / 0 dB line gain and a 10k Ω load.

Input impedance	300 Ω or 1200 Ω , switchable, balanced 2k Ω
With Pad in:	
Output impedance (a) Output level control at max (b) Output level control at min	55 Ω balanced 500 Ω balanced
Maximum gain	62-64dB
Maximum output level (MOL)	+34dBm
Distortion (THD) @ 1kHz/100Hz, unweighted, at 40dB gain	0.0035% / 0.008%
Frequency response \pm 0.5dB at 40dB gain setting	>10Hz to <35kHz
Gain settings (dB) Mic	40, 45, 50, 55 & 60dB
High pass filter (Hz)	50 & 100Hz
Output trim	-17dB to +2dB reverse linear attenuator
Input and output connectors	4 x 3 pin XLRs, wired balanced
Valve complement	4x12AX7LPS/ECC803/7025 4x6189/ECC82
Pilot light bulb	12V/3W
Fuses	115V: T1 A 230V: T500mA

Typical frequency response

	40dB	45dB	50dB	55dB	60dB
LF (Hz)	3	3	4	5	9
HF (kHz)	58	50	36	23	15

Less than 1dB variation between the 'LF' and 'HF' frequencies shown above.

Typical values for Distortion, Noise and Phase shift

	40dB	50dB	60dB
THD (%) @ 100Hz * to 10kHz	0.003	0.015	0.03
Noise (dB ref. MOL)	-117	-113	-104
Phase shift (°) @			
100Hz	0 (0%)	0 (0%)	3 (0.8%)
1kHz	1 (0.3%)	1.4	2 (0.6%)
10kHz	14 (3.9%)	(0.4%)	31 (8.6%)
20kHz	28 (7.8%)	17 (4.7)	62 (17%)
		35 (10%)	