



*Esoteric*

*Audio*

*Devices*



## EAD E100HD+

### PRELIMINARY BROCHURE!

We are now happy to introduce two new upgrades of the E100; The E100 HD (see separate brochure) and E100 HD+.

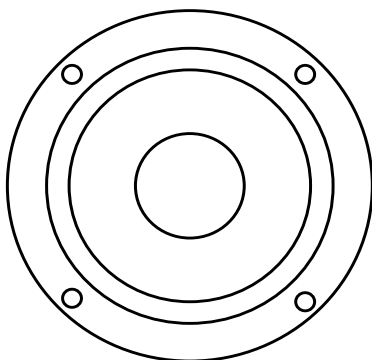
The E100 HD+ looks exactly the same as the 100, from the outside, which is deliberate to make it an easy upgrade in previous designs. The main difference from E100 HD is the higher sensitivity (88.3dB) and lower  $Q_t$  (0.383). The main difference from the std. E100 is in the high frequency, starting from 3Khz and up. As shown in the impedance curve comparison below, the High Frequency impedance has been vastly improved, giving the 100HD+ a very open, 3 dimensional, dynamic and detailed HF response.

The 100HD+ is an outstanding performer in a single driver system and due to the simplicity, not having to

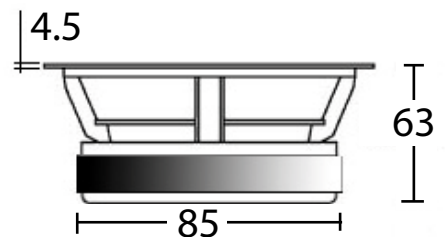
use complex filters, it's easy to build your own High End speaker system in many different applications.

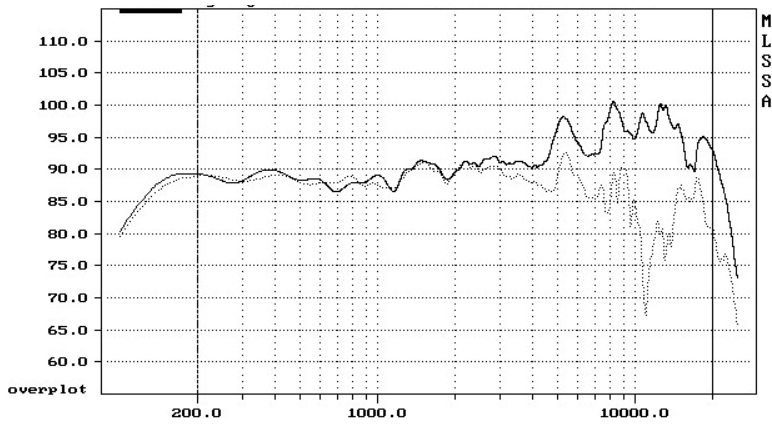
NEW: All new E100 drivers will now come with individual factory parameters! Available JUNE-AUG 2011.

140 m.m.

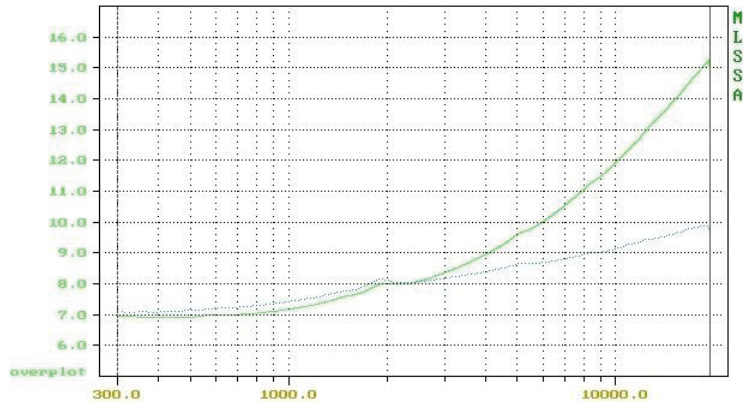


Fixing holes 4x5 m.m. on 132 PCD.  
Baffle cutout 113 m.m.





Frequency and 30 degrees off axis



Impedance, Std vs. HD+ (Dotted)

### Parameters

#### Thiele/Small Parameters, (8 ohm)

Method: Fixed-Mmd (6.300 grams)  
 DCR mode: Fixed (5.50 ohms)  
 Area (Sd): 78.58 sq cm  
 Series resistance: 75.00 ohms  
 Stimulus level: 3.83 volts  
 SPLref reference impedance: 8 ohms  
 Large units (volume = liters, mass = grams)  
 0.702 "RMSE-free Ohms"  
 49.786 "Fs Hz"  
 5.500 "Re Ohms"  
 14.475 "Res Ohms"  
 1.391 "Qms "  
 0.528 "Qes "  
 0.383 "Qts "  
 0.027 "L1 mH"  
 1.041 "L2 mH"  
 1.913 "R2 Ohms"  
 0.000 "RMSE-load Ohms"  
 13.239 "Vas(Sd) liters"  
 6.694 "Mms(Sd) grams"  
 1526.601 "Cms(Sd) æM/Newton"  
 4.669 "Bl(Sd) Tesla-M"  
 88.358 "SPLref(Sd) dB[8 ohms]"  
 0.026 "Rub-index "  
 X-max +/- 4.5mm (9 m.m. p-p)  
 Power 60W cont. 100W Max. In music

### Test conditions:

Break in : 15min at 10V at resonance.

Equipment : MLSSA 10 WI Rev 8 with RCAI Box

Stimulus level for Parameter measurement : 3.83 V and 2.83 V for SPL.

Frequency plot (2 pi measurement) in flat baffle. Anechoic chamber 4 mtr width x 3 mtr depth. Walls lined up with 1 1/2' high density glass wool wedges.

Microphone : G.R.A.S. 1/2" Free Field Microphone 40AC with Preamp 26AK and Power module: 12AK

Temperature : 24 deg C, Humidity 80%

Fs Method : Fixed Mass

*All parameters are preliminary and subject to change.*