

- 109dB SPL 1W/1m average sensitivity
- 1 inch HF driver exit
- 1 inch voice coil diameter
- 40W Program Power
- Rugged phenolic diaphragm
- 60° x 50° Constant Directivity Coverage
- Usable in two way or multi-way system
- Unique Eighteen Sound elliptical horn shape

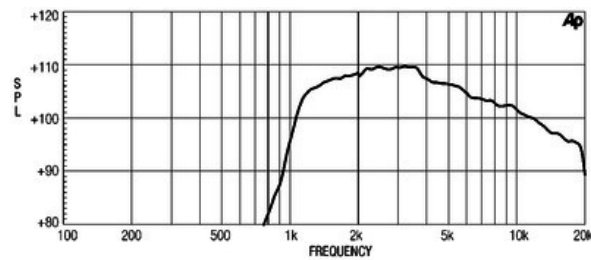
The XD110 is a HF unit suitable for compact size two and three way lightweight systems. XD110 with its Elliptical Constant Directivity Horn is designed for linear and extended response over a wide frequency range (1.5kHz to 18kHz).

The phenolic diaphragm assembly with its 1 inch voice coil is capable to handle up to 250°C. Computer Aided Finite Element Analysis and extensive testing were used to obtain phase plug shape made in high pressure injectionmolded polypropylene foam, designed to assuring maximum strength. Final result is a smooth coherent wavefront in the horn entrance, high thermal stability and manufacturing consistency.

The horn is made by high-pressure die-cast polyurethane foam, and is designed to minimize resonances.

The XD110 horn maintains nominal 60° Horizontal x 50° Vertical pattern control, providing consistent on axis and off axis frequency response from 2kHz up to 16kHz in the horizontal plane and from 2,5kHz to 16kHz in the vertical plane. Horn directivity is constant from 2,5kHz.

The XD110 compact size and lightweight ceramic magnet assembly is designed to obtain 16KGauss in the gap.



SPECIFICATIONS¹

Throat Diameter	25 mm (1.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.0 Ω
Nominal Power Handling ²	20 W
Continuous Power Handling ³	40 W
Sensitivity ⁴	109.0 dB
Frequency Range	2.0 - 20.0 kHz
Recommended Crossover ⁵	2.5 kHz
Voice Coil Diameter	25 mm (1.0 in)
Winding Material	Copper
Diaphragm Material	Cloth
Magnet Material	Ferrite

MOUNTING AND SHIPPING INFO

Net Weight	0.9 kg (1.98 lb)
Shipping Weight	1.0 kg (2.2 lb)
Shipping Box	160x120x147 mm (6.30x4.72x5.79 in)

1. Driver mounted on Eighteen Sound XR1464C horn
2. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated nominal impedance.
3. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
4. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.