

# Osprey FC10-X

Bi-amped 3-way fixed curvature array system



Osprey is a vertical array system designed for ultimate fidelity at high output levels. Between three cabinet types, a wide variety of array types can be built, covering virtually every near and mid-field listening area. With the simple and flexible rigging system, the array can be both flown and groundstacked using the same header bar, all connected using captive quick release pins.

Osprey FC10-X has 10 degrees of vertical coverage, which matches the cabinet design for seamless arraying. The FC10-X is fitted with 4x Air Motion Transducers in 80 degree (horizontal) waveguides, 4x high sensitivity dedicated midrange drivers and 2x bass reflex loaded 12" drivers, giving wide band frequency coverage which is essential for situations where the array may be several meters from your system's subwoofers.

Air Motion Transformers use extremely lightweight diaphragms to produce clear and undistorted high frequencies

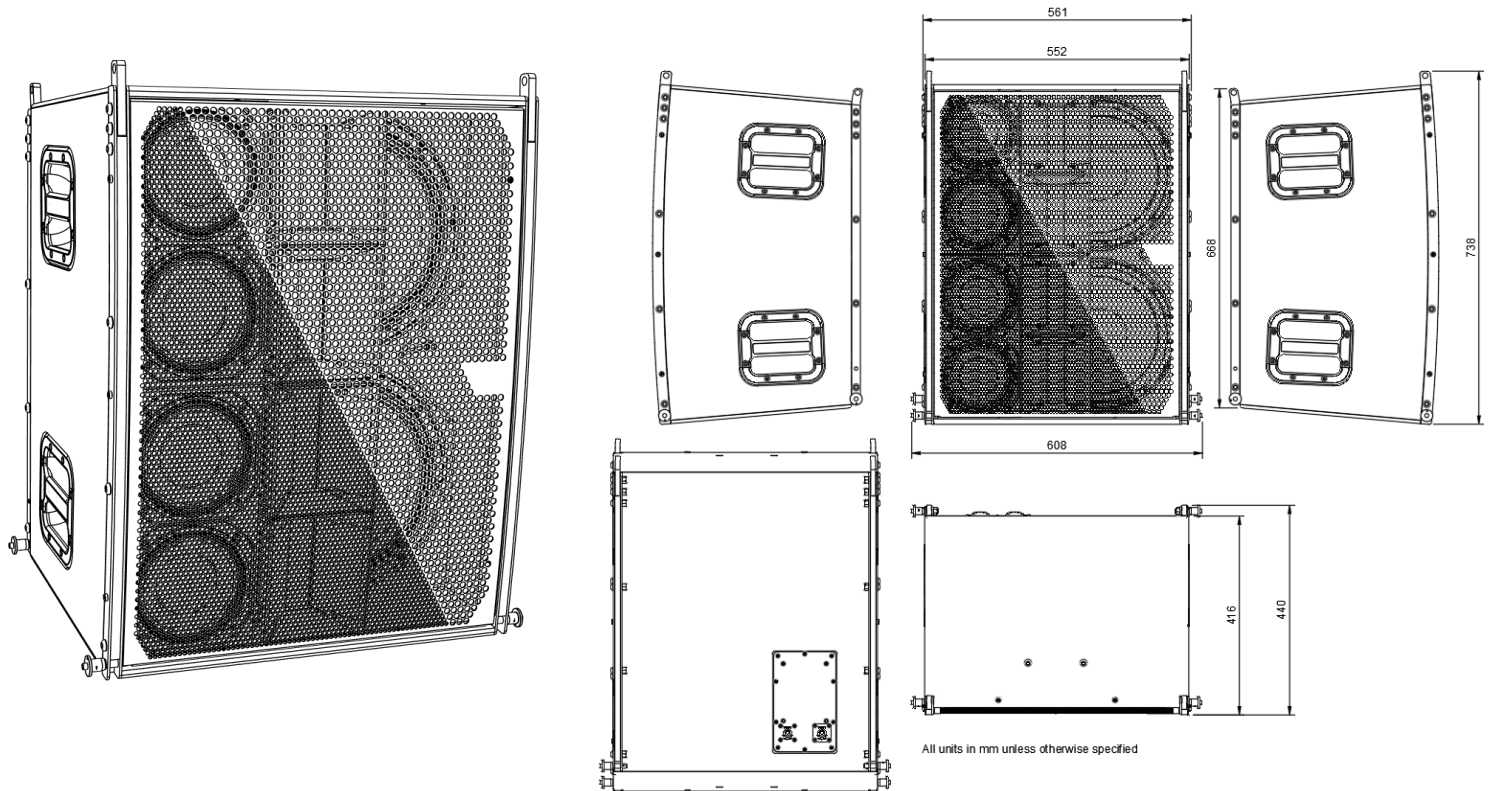
for studio level resolution. In this configuration the tall, slim diaphragms of the AMTs mean that the total radiating surface area of the HF section stretches from the very bottom of the cabinet to the very top, which reduces lobing in the high frequencies and ensures seamless front to back coverage of the crowd.

A carefully designed passive crossover between the mid and high frequency sections mean the FC10-X is a bi-amped loudspeaker, reducing amplifier channel count and setup complexity.

Each FC10-X is fitted with a 2mm steel grill, and finished with a black PU coating for protection against knocks and scratches. The cabinet is built from sustainably sourced high grade Birch plywood, and the internal damping material is made from recycled single use plastic. Two handles are provided on each side for easy handling and system assembly.

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Type	3-way fixed curvature array system
Frequency Response (1)	65Hz-18kHz
MHF Section	4x 6" midrange drivers and 4x waveguide loaded AMTs
LF Section	2x high output 12" drivers with 3.5" voice coils
Power Handling MHF (2)	1000W Program
Power Handling LF (2)	1000W Program
Recommended Amplifier	Traction Engine 4 2700-DSP
Sensitivity (2)	101dB SPL LF   108 dB SPL MHF
Maximum SPL (4)	141dB Peak (depending on array configuration)
Nominal Impedance	40ohm LF   80ohm MHF
Crossover	Internal passive network between MF and HF sections
Connectors	2x Neutrik® NL4 SpeakOn™ with pins linked
Nominal Dispersion (-6dB)	10 degrees V   80 degrees H
Primary Construction Material	Baltic Birch Plywood
Available Finish	Textured PU coating
Dimensions	561mm x 376mm x 438mm
Fittings	Osprey Rigging System
Weight	Approx. 49kg
Available Accessories	Osprey HBI   FC10 Soft Cover   FC10 Wheel-board

Notes  
 (1) Measured on axis in half (2pi) space at two meters and referred to 1 meter. With DSP preset applied.  
 (2) Tested to AES 2-1984 Rev. 2003  
 (3) Measured in half (2pi) space at 2 meters with 2.83V input, using band limited pink noise, then referred to 1 meter.  
 (4) Calculated at 1 meter.