

FLX12

2 Way Full Range Loudspeaker



The FLX12 is a remarkable ultra-compact loudspeaker that delivers unparalleled performance, especially considering its size. It utilizes Tom Danley's patented Synergy Horn™ technology, which allows it to produce high-quality audio at levels beyond 120dB, all from a speaker weighing only 40 lbs. The FLX12 features a 12"/1" coaxial driver that is mated to an 90-degree conical horn, providing excellent pattern control even at low frequencies, despite its compact size.

The enclosure is constructed using 13-ply Baltic Birch, which is encased in PolyUrea to provide protection from impact and atmospheric conditions. For added convenience, the touring versions of the FLX12 come equipped with M10 rig points.

In addition to its robust construction, the FLX12 comes with our Sentinel™ high and low frequency driver protection circuitry. This multistage limiter is designed to protect the high-frequency driver in the event of overloads (peaks or long term), without compromising the dynamic range during normal operation.

Performance Specifications

Operating Mode

Single channel amplified two-way loudspeaker

Operating Range

93Hz - 21Hz +/-3dB

70Hz - >24KHz - 10dB

Coverage Pattern

80 Conical

Transducers

1x 12" Coaxial driver

Power Handling

300 W Cont. | 1200 W Peak

Sensitivity measured at 1M @ 2.83V input

94 dB

Maximum SPL (continuous | peak)

118 dB | 124 dB

Impedance

8 Ohm

Recommended Power Amplifier

300 - 600 Watts

Physical Specifications

Connections

(2) Neutrik NL4 Speakon wired in Parallel

Pin 1+/- | Full Range

Pin 2+/- | Pass Through

Mounting / Suspension Points

M10 points

Dimensions / Weight

19.52 W x 12.38 D x 20.5 H in. | 459.81 x 314.45 x 520.7 mm.

40 lbs | 18.Kg

Finish

Black polyurea coated enclosure w/ matte black grille, or

Enclosure Material

18mm Baltic Birch, polyurea coated

Options

FLX12 Install, touring and stage monitor

Rev. 20240112

FLX12

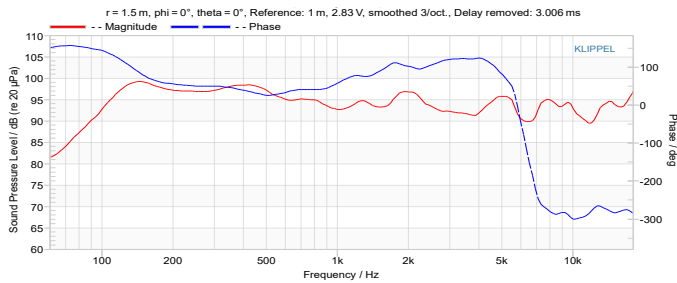
2 Way Full Range Loudspeaker



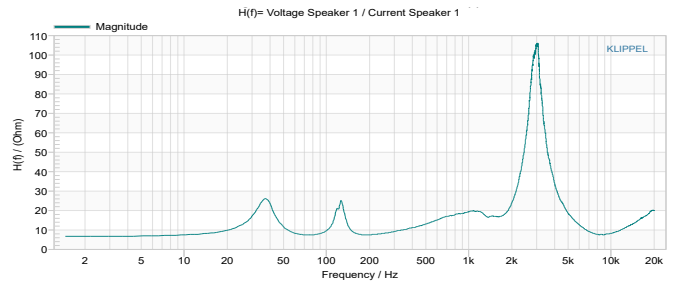
ARCHITECT/ENGINEERS SPECS

The loudspeaker shall utilize the synergy horn enclosure. The loudspeaker shall have an operating range of 70Hz -21KHz -10dB. Sensitivity of 94 dB SPL (measured at 2.83V @1m distance). Output of 121 dB SPL Program/124 dB-SPL Peak. Power handling shall be 300 Watts cont. or 1200 Watts peak. The loudspeaker shall be constructed of 13 ply, 18mm Baltic Birch, polyurea coated. The loudspeaker shall be the Danley Sound Labs FLX12.

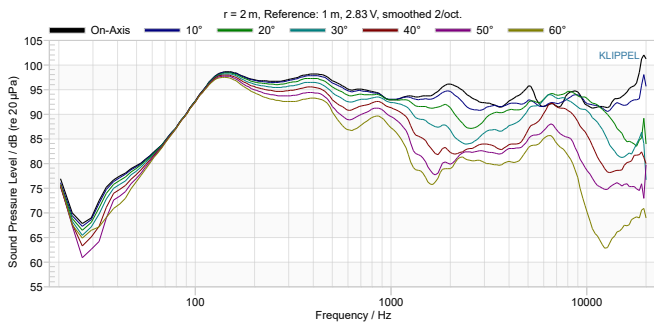
Sensitivity



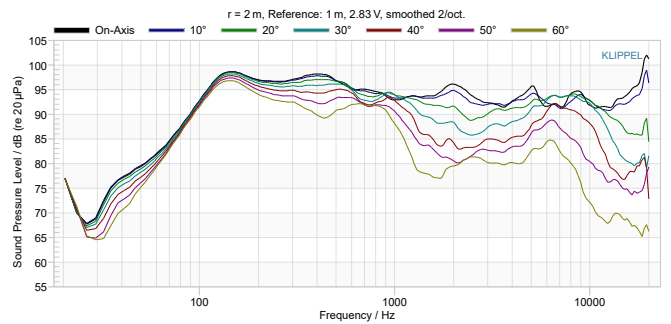
Impedance



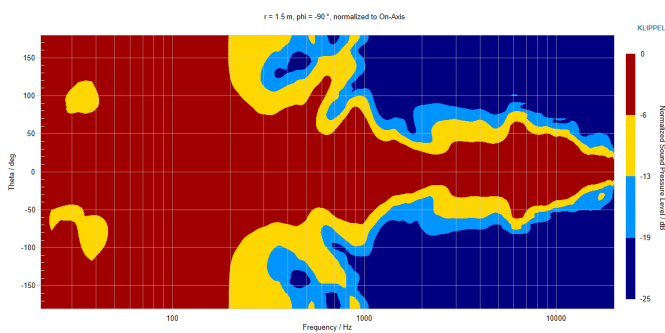
Horizontal Polar Response



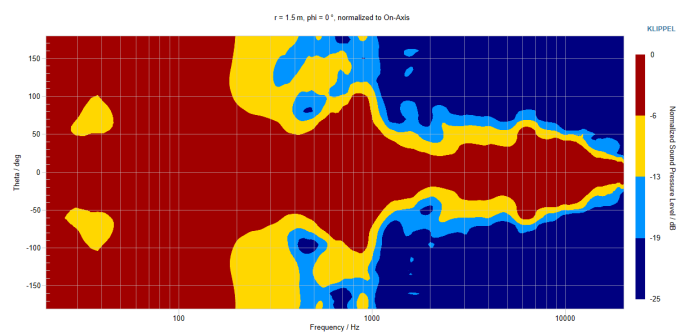
Vertical Polar Response



Horizontal Directivity Contour



Vertical Directivity Contour



Rev. 20240112