

Compactspeaker - CRITERION TAL 90



The TAL 90 is a classic compact two-way monitor with revolutionary internal features, setting new standards in its class. Quite simply, this small speaker provides an unbelievably good bass response. Its depth and precision are unique for a cabinet of this size, but so also is its absolute bass output. This low-frequency performance has been achieved with the help of a cabinet design with phase compensation duct and absorber, and a simply outstanding bass driver. In order to allow extreme cone travel, this driver's cradle is very deep and features narrow struts, made possible by its construction in high-strength pressure cast aluminium.

The resonance-coated aluminium membrane is very stiff and torsionally rigid, making it ideal for reproducing the entire mid-frequency range. The massively powerful magnet drives a long-throw 35 mm coil. The driver features a phase plug carefully calculated and optimised for this particular cone design, with the result that the frequency response is as straight as a ruler far beyond the cross-over frequency. The tweeter is a newly developed annular design which boasts revolutionary qualities: its effective range extends right up to 50000 Hz and beyond, although its resonant frequency is below 500 Hz. This provides undreamt-of advantages when two-way speakers are being designed. The cross-over frequency can be selected for the most favourable range of the bass/mid-range driver, without any tendency for the sound to become constricted. We set the annular tweeter to work at 2000 Hz and above, and the result is a spaciousness, dynamic capability and transparency of reproduction which has never before been achieved in speakers of this size. As on the larger Criterion models, the TAL 90's bass and tweeter output can be adjusted.

Specifications

<i>Principle</i>	2 – way – absorber line compact speaker
<i>Nominal power rating</i>	90 Watts
<i>Music power rating</i>	120 Watts
<i>Impedance</i>	4 Ohms
<i>Frequency response</i>	35 – 50000 Hz
<i>Sensitivity 90 dB/1 m</i>	2,5 Watst
<i>Bass drive unit</i>	1 x 170 mm
<i>High-frequency drive unit</i>	1 x 35 mm
<i>Crossover unit, type</i>	FSR
<i>Crossover frequencies</i>	2000 Hz
<i>Bi-amping</i>	yes
<i>Dimensions H x W x D</i>	37 x 21 x 31 cm
<i>Weight</i>	9 kg

Colours Natural beech, natural alder, natural mable,
white lacquer rubbed, black lacquer rubbed,
silver lacquer rubbed

Variable HF, B

We reserve the right to alter technical specifications