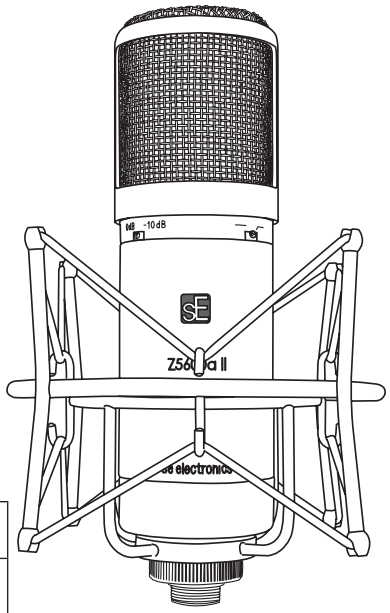
Z5600a II – Technical Information



The Z5600a II is one of the most versatile mics on today's market. With 9 graded steps through omni, cardioid and figure of eight patterns, 10dB pad and bass cut, the Z5600a II finds uses in a huge number of applications, from mic-ing a live drum kit, to overhead on a choir. Above all though, this excellent mic has won its praise on delivering superb vocal recordings, with natural warmth and incredible detail.

This beautiful mic, comes in a wooden presentation case, cradled in a full aluminium flight case with a large shock-mount and a brand new brushed Aluminium PSU with pattern switching and cables.

Technical Specifications

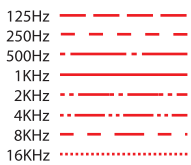
Acoustical operating principle	Pressure gradient transducer	**Signal-to-noise ratio, A-weighted2) (rel. 94 dB SPL) :**	76/77/76 dB1)
Directional pattern:	Omnidirectional, Wide Angle Cardioid, Cardioid, Hypercardioid, Figure of 8 plus one intermediate position each.	**Typical SPL (tube characteristic)3) : K < 0,5 %: 120dB, K < 5 %:**	135 dB
Frequency range:	20 Hz ... 20 kHz	**Maximum output voltage :**	9dBu
Sensitivity at 1 kHz:	17/18/17mV/Pa1)	**Dynamic range of the microphone amplifier (A-weighted) for < 0,5% THD (for < 5% THD) :**	103(118)dB
Rated Impedance:	50 ohms	**Powering :**	Power supply unit(PSU)
Rated Load Impedance:	1 kohms	**Matching connectors:**	Microphone 8PIN, Power supply XLR3F
Equivalent noise level, CCIR1) :	26 /28/27 dB1)	**Weight:**	750g
Equivalent noise level, A-weighted1):	16/17/16 dB-A1)	**Diameter :**	62mm
Signal-to-noise ratio, CCIR1) (rel. 94 dB SPL) :	66/66/ 65dB1)	**Length:**	224mm

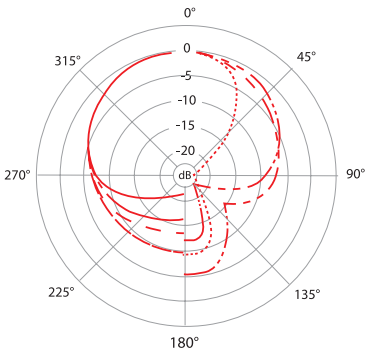
1) According to IEC 60268-1; CCIR-weighting acccording to CCIR 468-3, quasi peak; A-weighting according to IEC 61672-1, RMS

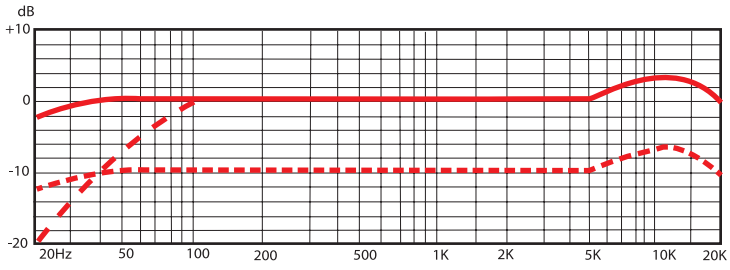
2) Measured as equivalent el. input signal

Polar pattern and Frequency Chart

Cardioid



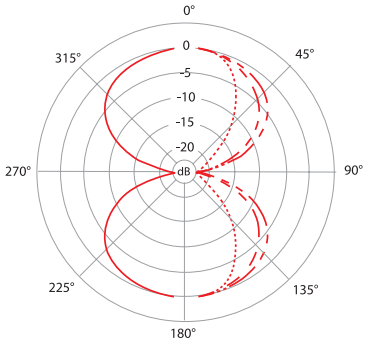


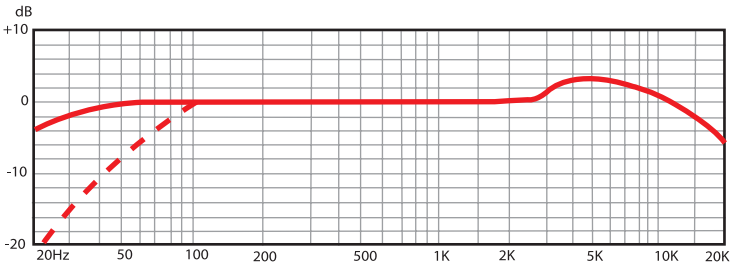


Polar pattern and Frequency Chart

Figure of 8

125Hz
250Hz
500Hz
1KHz
2KHz
4KHz
8KHz
16KHz

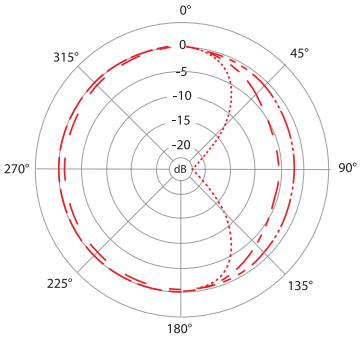


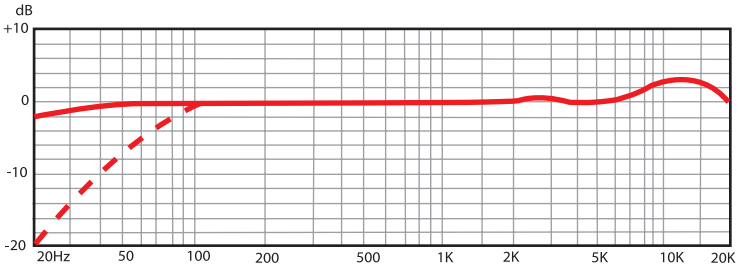


Polar pattern and Frequency Chart

Omni

125Hz
250Hz
500Hz
1KHz
2KHz
4KHz
8KHz
16KHz





Polar pattern and Frequency Chart

Hypercardioid

125Hz
250Hz
500Hz
1KHz
2KHz
4KHz
8KHz
16KHz