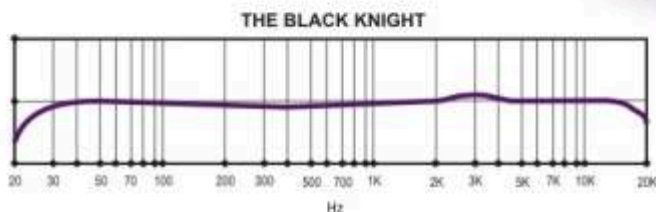


"THE BLACK KNIGHT" series microphones



DESCRIPTION

VIOLET DESIGN presents "The Black Knight" series of studio microphones. Designed for the latest home studio industry needs, this microphone fully covers professional audio recording demands and introduces a new physical design in the industry. "The Black Knight" microphone uses large, less center tap dual diaphragm true electrostatic transducer, providing natural musical sound with transparent highs, smooth midrange, flat low frequency response and unidirectional cardioid polar pattern. Acoustically very open transducer's head construction minimizes internal resonances and reflections and keeps transparency of the smallest sound details unaffected. Integrated swivel mount lets fast an handy positioning of the transducer's head. The internal Phantom powered preamplifier's class-A fully discrete transformerless circuit provides very high output, flat audio response and ultra low all kind of distortion and noise. Gold plated contact output connector provides stable connection.



SPECIFICATIONS

Transducer's type	electrostatic
Operating principle	pressure gradient
Diaphragm's active diameter	27 mm, less center tap
Frequency range	20 Hz to 20 kHz
Polar pattern	unidirectional - cardioid
Output impedance	50 ohms
Rated load impedance	1000 ohms
Suggested load impedance	>250 ohms
Sensitivity at 1000 Hz into 1000 ohms load	33 mV/Pa
S/N Ratio CCIR 468-3 weighted	76.5 dB
S/N Ratio DIN/IEC 651 A-weighted	87.5 db-A
Equivalent noise level DIN/IEC A-weighted	6.5 dB-A
Maximum SPL (<0.5% THD at 1000 ohm load)	134.5 dB
Dynamic range of the microphone preamplifier	128 dB
Phantom voltage on pins 2&3 of XLR	+48 V (+/-4 V)
Phantom current's consumption	<2 mA
Output connector	XLR-3M, gold plated contacts
Signal polarity	positive toward pressure on a diaphragm produces positive polarity voltage on XLR pin #2 relatively to pin #3
Dimensions and weight	208 mm height, 44 mm, 450 g

The microphone comes in a solid wooden box, with a stand holder and a manual.

APPLICATIONS

"The Black Knight" microphone is designed for the all around audio recording needs. It is capable of capturing vocal, choir, piano, guitars, drums, percussion, strings, wind, orchestral and most other sound sources. The microphone can be successfully used in professional sound reinforcement systems and installed sound, in broadcast and TV studios, in movie and video industry, project studios, home recording and many other applications. Under special order "The Black Knight" microphones are available in matched stereo or surround sets to provide balanced recordings. Three types of studio shockmounts and the superior quality quad microphone cable are available as an option.

THE BLACK KNIGHT



OPTIONAL ACCESSORIES



**VSMD vintage style
spider type studio
shockmount**



**PSM elastic any
position studio
shockmount**



**GSM compact vertical
position studio
shockmount**



**VMC-06 quad
microphone cable (6 m)**

In the interests of product development, the specifications, construction and appearance of all above products are subject to change without prior notice and without obligation to install these improvements in any product previously manufactured.

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