



# THE GRAND PEARL

The Pearl Series of professional electrostatic microphones are designed for both handheld stage performances and studio vocal recording where sound quality and musical character is of the utmost importance. The Grand Pearl uses a large dual-diaphragm transducer which provides the warm, classical vocal sound usually associated with vintage vocal studio microphones. A soft center band around the circumference of the head minimizes shock and handling noise. Rugged microphone construction and internal shockmounts effectively reduce stand rumble, outside infrasonic interference and mechanical shocks.

The internal phantom powered preamplifier's Class 'A' fully discrete transformerless circuit provides high output, flat audio response and ultra low distortion and noise. The output connectors are gold plated for best possible signal transfer. The Pearl is ready for noise-free handheld or stand use. A flexible stand holder is supplied with microphone. FRR is an optional unique reflection ring accessory which is used as a tool to slightly alter directional characteristics and frequency response by positioning at different points along the microphone body.

## APPLICATIONS

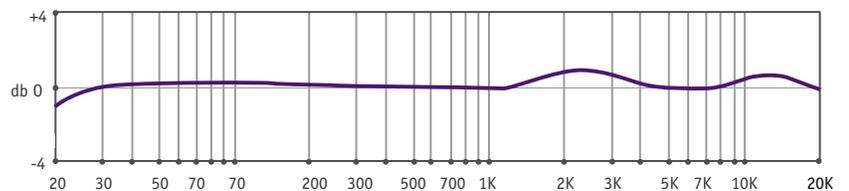
The Pearl Series microphones are designed primarily for vocalists, but are also capable of capturing piano, guitars, drums, percussion, strings, wind and many other instruments. The larger diaphragm of The Grand Pearl is specially tuned to provide a deep warm vocal tone ideal for jazz or pop music. These are unidirectional cardioid microphones and should be held or mounted so that the rear openings behind the capsule are not obstructed. In vocal applications, best results are obtained when the microphone is 1" to 6" away. Microphone overload is not a problem, however, we recommend the use an additional pop filter in the studio or a foam windscreen in live applications for further protection from plosive sounds and breath, pop or wind noise.



## SPECIFICATIONS

- Transducer type: electrostatic
- Operating principle: pressure gradient
- Diaphragm's active diameter: 1" (26mm)
- Frequency range: 20 Hz to 20 kHz
- Polar pattern: cardioid
- Output impedance: 50 ohms
- Rated load impedance: 1000 ohms
- Suggested load impedance: > 500 ohms
- Sensitivity at 1000 Hz into 1000 ohms load: 20 mV/Pa
- S/N Ratio (CCIR 468-3 weighted): 75 dB
- S/N Ratio (DIN/IEC 651 A-weighted): 86 dB-A
- Equivalent noise level DIN/IEC A-weighted: 8 dB-A
- Maximum SPL for 0.5% THD at 1000 ohm load: 136 dB
- Dynamic range of the microphone preamplifier: 128 dB
- Phantom power voltage on pins 2 & 3 of XLR: 48V (±4V)
- Phantom current consumption: < 2 mA
- Output connector: 3-pin XLR male
- Signal polarity: pin 2 in phase
- Dimensions & Weight: 8.1" (h) x 1.67" (w) / 7.7 oz. ( 207 x 42.5mm / 350g)
- Included accessories: stand holder, solid hardwood box
- Options: PSM shockmount, GSM compact shockmount, FRR reflection ring

## FREQUENCY CHART: THE GRAND PEARL



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