



# THE AMETHYST

The Amethyst series of studio microphones utilize capsules with 6-micron gold sputtered Mylar diaphragms tensioned and adjusted on precisely made brass backplates. They possess very fast impulse transient response without sound coloration or low frequency reduction, as well as the ability to handle louder sound pressure levels.

**The Amethyst Standard** has a dark amethyst red body and uses a single large-diaphragm center-terminated capsule to provide a modern, detailed sound with airy highs, medium vocal presence and accentuated low-end response. The internal phantom powered preamplifier is a fully discrete Class 'A' transformerless circuit which provides high output, flat audio response and ultra-low distortion and noise. **The Amethyst Vintage** has a grey/blue body and uses a dual large-diaphragm, center terminated dual back plate capsule which provides a classical, wide-spectrum, vintage microphone sound. Both models have a unidirectional cardioid polar pattern with minimal proximity effect and are linear over the wide frontal incidence angle. An acoustically transparent head construction reduces internal resonances and reflections. The internal capsule shockmount along with the massive body construction, reduces stand rumble, outside infrasonic interference and mechanical shocks.

Both microphones can be mounted directly on a standard microphone stand or in the optional ASM elastic shockmount. Gold plated contacts on the output XLR connector provide a noise-free connection.



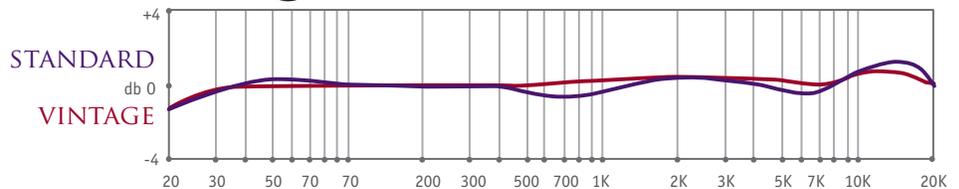
## APPLICATIONS

The handy compact size and versatile mounting, combined with high SPL capability make these microphones ideal for close instrumental situations. The Amethyst Standard is particularly recommended for percussion and stringed instruments. For vocal applications The Amethyst Standard is more oriented for a male voice and The Amethyst Vintage for a female voice. Use them up close, within 2" to 4" to get best results. The internal amplifier and capsule are hard to overload and are well suited for close miking of vocals.

## 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: 21 mV/Pa
- S/N Ratio (CCIR 468-3 weighted): 76 dB
- S/N Ratio (DIN/IEC 651 A-weighted): 87 dB-A
- Equivalent noise level DIN/IEC A-weighted: 7 dB-A
- Maximum SPL for 0.5% THD at 1000 ohm load: 134 dB
- Dynamic range of the microphone preamplifier: 127 dB
- Phantom power voltage (on XLR pins 2 & 3): 48V (±4V)
- Current consumption: < 2 mA
- Output connector: 3-pin XLR male
- Signal polarity: pin 2 in phase
- Dimensions & Weight: 6.6" (h) x 2.5" (w) / 12.3 oz. ( 168 x 63mm / 350g)
- Included accessories: solid hardwood box
- Options: ASM shockmount

## FREQUENCY CHART: THE AMETHYST



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