



Professional USB Microphone with Neodymium Magnet

OWNER'S MANUAL

Thank you for purchasing the Audio2000'S® APM150USB professional USB microphone with neodymium magnet! For the best results and the utmost satisfaction from your new unit, please read this manual thoroughly, and retain it for future reference.

The APM150USB is the combination of an APM150 microphone and a USB cable(ADC203R). The USB cable (ADC203R) comprises an XLR connector, a USB jack and a 20ft 6mm balanced audio cable connecting the XLR connector and the USB jack. The USB jack is configured to support USB1.1 and USB2.0 and is capable of capturing audio at 16-bit resolution with up to 22.05 KHz sampling rate.

The APM150 is a versatile professional dynamic microphone of exceptionally high quality. A superefficient magnetic circuit design utilizing neodymium magnet element provides maximum output level for improved signal-to-noise ratio for all vocal and sound reinforcement applications. Incorporated with an extremely light weight diaphragm and an ultra-light aluminum humbucking voice coil, the transformerless low impedance capsule of the APM150 inheres excellent transient response and a wide frequency range with the results of a transparent presentation of sound amplification.

The APM150's frequency response is optimized for vocal application by controlling proximity effect through its low-frequency rolloff. The APM150's extended high-frequency response provides a clarity normally found only in condenser microphones.

Throughout the APM150's full frequency range, the supercardioid pattern of the APM150 stays uniform and symmetrical to significantly cut off any feedback and off-axis coloration. Advanced design in the shock-mounted microphone element and delicately finished surface keep handling noise extremely low.

The extraordinary features of sound clarity and transparency, high output, extremely low handling noise, uniform supercardioid pickup pattern, and delicately designed and finished surface present the APM150 microphone with **outstanding values** in any critical vocal application.

FEATURES:

1. APM150 comprises a low impedance element with extremely light weight diaphragm for excellent transient response and a wide frequency range with exceptional detail and clarity.
2. APM150 contains a neodymium magnet element precisely constructed in a housing having wide dynamic range for smoothly reproducing a clear and uncolored sound.
3. With low-frequency rolloff and extended high-frequency response, the APM150 captures the original vocal sound with extraordinary clarity.
4. Tight supercardioid pattern stays uniform and symmetrical throughout the APM150's entire frequency range to minimize feedback.
5. Advanced shockmount and microphone element design effectively minimizes handling and stand noise.
6. Rugged and durable zinc casing.
7. A rugged dent-resistant steel mesh grille provides extended life and durability.

Specifications

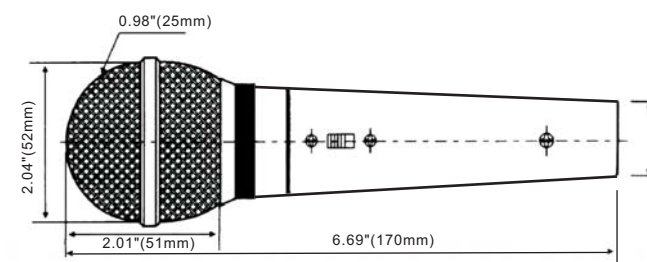
APM150

Type	Dynamic
Polar Pattern	Super-Cardioid
Sensitivity	-74 ±3 dB (0 dB = 1 V/0.1 Pa @ 1,000 Hz) 2 mV/Pa (@ 1,000 Hz)
Output Impedance	600 Ω 30% (@ 1,000Hz)
Frequency Response	50-16,000 Hz
Max. Input Level	> 130 dB(SPL)
Dimensions	Head Diameter: 2.04" / 52mm Total Length: 6.69" / 170mm
Weight	9.8 oz. / 279 g

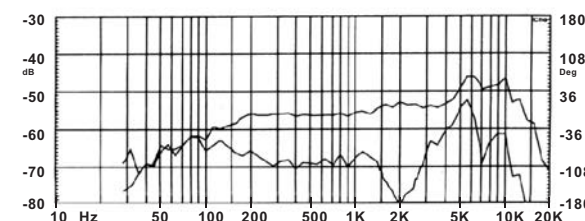
USB Cable

USB	1.1 and 2.0
Resolution	16 Bit
Sampling Rate	8-44.1 KHz

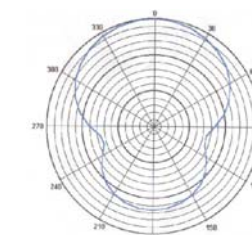
Dimensions



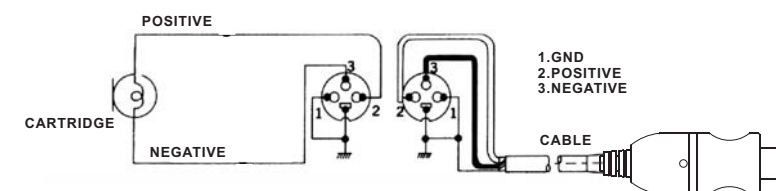
Typical Frequency Response



Super-Cardioid



Wiring Diagram-recommended cable wiring



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