



The Microphone

The set of Apex185 small diaphragm pencil condenser microphones in this package come with interchangeable omni directional capsules and cardioid capsules that are matched for perfect stereo imaging. The Apex185 microphone bodies have on-board -10dB pad and low frequency roll-off switches.

Ideal for use tight on drum kits and cymbals (when using the cardioid capsules), overhead on drum kits (when using the omnidirectional capsules) on acoustic guitars, stringed instruments, acoustic pianos, ambient vocals and brass or woodwind sections.

The cardioid capsules are generally used for live sound reinforcement applications and recording applications where wide dynamic range and good off-axis rejection is required. The omnidirectional capsules can be used where in the studio or for live recording where off-axis rejection isn't an issue, and the engineer wants to limit proximity effect or needs a wider non-directional pickup pattern.

The Apex185 has two switches on the microphone body. The -10dB pad switch allows the engineer to reduce the microphone's output when close mic'ing high sound pressure sources like brass and woodwind instruments or when using the Apex185 on drums or percussion instruments. The low-frequency roll-off switch allows the user to reduce low frequency 'clutter' in the audio signal at the source, making for cleaner recorded tracks with increased presence and definition.

Changing the capsules is a very simple procedure. Simply unscrew the head of the microphone and replace with the alternate capsule to change from omnidirectional to the cardioid pattern or vice versa. Do not over tighten the capsule, and pay particular attention to the threading of the capsule to ensure you DO NOT cross thread the capsule.

It is a good idea to store the replacement capsules in the box provided as they are fragile and always store the microphone body in their case when not in use.

Specifications:

Type	Small Diaphragm Pencil Condenser
Polar Pattern(s)	Omnidirectional & Cardioid
Frequency Response	30 - 16000 Hz
Sensitivity	-55dB +/- 3dB
Impedance	60 ohms +/- 30%
S/N Ratio	76dB
Max SPL	(For 1% THD @ 1000Hz) 125dB
Equivalent Noise	(IEC 268 - 4 - A weighted) 24dB
Included Accessories	Cardioid + Omnidirectional capsules, Windsocks, Shockmounts, Case
Switches	Low Frequency Roll Off, -10dB Pad
Dimensions	6 inches x 1 inch (151 mm x 25.4mm)
Weight	5.0 oz / 144g

Connect the microphone to your mixer or preamp with a high quality XLR cable before turning on the phantom power source. Always make sure all volume and gain controls on your mixer or mic preamp are set to their minimum levels when powering up the microphone.

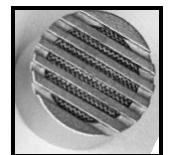
The Apex185s come with IMC-9 shockmount cradles to better isolate the capsules when using the microphones for most delicate recording or live sound reinforcement applications

Understanding Multiple Polar Patterns

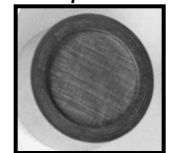
An omni-directional pattern will give your mic the ability to pickup sound from all directions. This is ideal for recording sounds that emanate from multiple directions, or picking up the source material as well as the natural ambiance and reverberation of a room. Omnidirectional patterns also have no proximity effect, or 'bottom end enhancement' as the source gets closer to the microphone. This makes an omnidirectional pattern ideal for use recording choirs, string sections, background vocals or acoustic instruments where a natural 'open' tone quality is preferred.

The cardioid pattern is ideal for single instrument or solo vocal use. This pattern picks up only sound directly in front of the microphone, and sounds from back and sides of the microphone are rejected. The cardioid pattern also has the most pronounced proximity effect, and best off-axis rejection.

Cardioid Capsule



Omnidirectional Capsule



Suggested Accessories

- Apex MWS-56DLX 6-inch studio pop filter
- Apex APP22 Dual Phantom Power Supply

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