



# Apex530

## Cardioid Side Address Studio Condenser Microphone

### Overview

The Apex530 is the premier high performance side-address medium diaphragm condenser microphone in the Apex line. Using design elements patterned after studio microphones costing far more, the Apex530 delivers performance and tone rivaling any cardioid side address condenser mic in their class. The cardioid polar pattern and internal -10dB (@ 100Hz) low frequency roll-off switch make it the ideal condenser microphone for solo vocal or instrument recordings where subtlety and clarity is paramount.

In live sound applications, the Apex530's cardioid pattern minimizes feedback and increases isolation, ensuring it can easily be used as an overhead mic for drum kits, on guitar or bass cabinets or anywhere superior sound quality and high sound pressure handling is required.

### Low Frequency Roll-Off Switch (Internal)

To enable the low frequency roll-off switch, open the microphone by loosening the retaining ring at the base of the microphone chassis. When ring is removed, the microphone body will slide free. The low frequency roll-off switch is on the center of the circuit board. Push switch to enable. To replace microphone body, slide into place and replace the retaining ring on microphone base.

In virtually all recording and live sound applications, the low frequency roll-off should be engaged to reduce handling noise and low frequency 'rumble' at source. It is a generally accepted practice use the low frequency roll off on vocal applications and when recording solo instruments, however there are no firm rules. Experimentation is the key.

### General Information

All wide diaphragm condenser microphones are fragile. They do not like to be exposed to any sharp impact that may stretch or knock the element out of alignment including being dropped, tapped, or being blown into.

It is always advisable to use a pop filter when recording vocals not only to avoid overly accentuated 'S', P and B sounds, but also to keep excessive

moisture off the element. It is always a good idea that the microphone is kept in its case when not in use.

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

Once the Apex530 is plugged in and powered up, you should gradually bring the mixer's channel fader up and properly set the input gain on the microphone's channel and stop just before the signal peaks. It is never a good idea to unplug a phantom powered condenser microphone like the Apex530 from its power source with the gain and volume controls open.

The outer shell of your mic can be cleaned with a soft damp cloth. Do not use harsh detergents, solvents, or abrasive materials. Never immerse any microphone in water.

### Features:

- Large Diaphragm Cardioid Condenser
- Highly Predictable Proximity Effect Characteristics
- Extremely Low Self Noise
- Internal User Selectable Low Frequency Roll-Off Switch
- Shockmount & Leatherette Microphone Pouch Included

### Specifications:

<b>Polar Pattern:</b>	Cardioid
<b>Frequency Response:</b>	30 – 20,000Hz
<b>Sensitivity:</b>	-38.5dB +/- 2dB (0 dB=1v/pa@1kHz)
<b>Impedance:</b>	<200 ohms
<b>Inherent Noise:</b>	<20dB (A)
<b>Maximum SPL:</b>	135dB (1 kHz < 1% THD)
<b>Filter Switch (Inside):</b>	Flat / Low Cut
<b>Operating Voltage:</b>	48V +/- 4VDC (External Phantom Power Required)
<b>Connector:</b>	3-pin XLR
<b>Dimensions:</b>	50.5 x 190mm
<b>Weight:</b>	76g

