

electronic voice

STUDIO TECHNIQUES

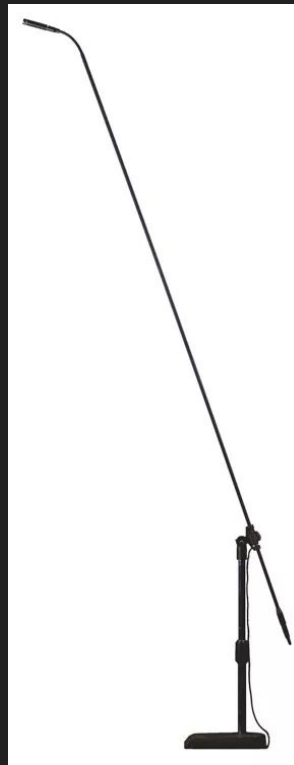




~\$90



~\$150








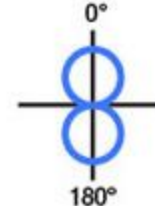
~\$600



~\$1300



~\$9000

Characteristic	Omni-Directional	Sub-Cardioid	Cardioid	Super-Cardioid	Hyper-Cardioid	Bidirectional
						
Polar Response Pattern						
Coverage Angle	360°	150°	131°	115°	105°	90°
Angle of Maximum Rejection (null angle)	—	180°	180°	126°	110°	90°

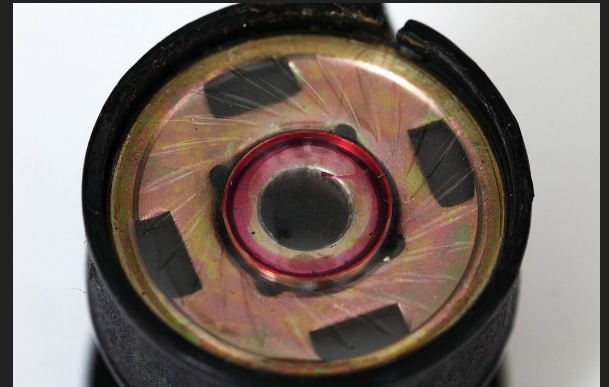
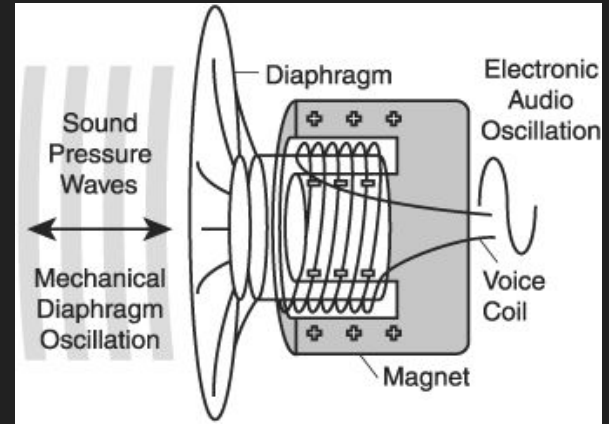
MORE REJECTION →

dynamic mics

magnetic transducer - essentially the design of a speaker, in reverse

generally heaviest & most robust, making them ideal live mics

polar pattern is frequently cardioid



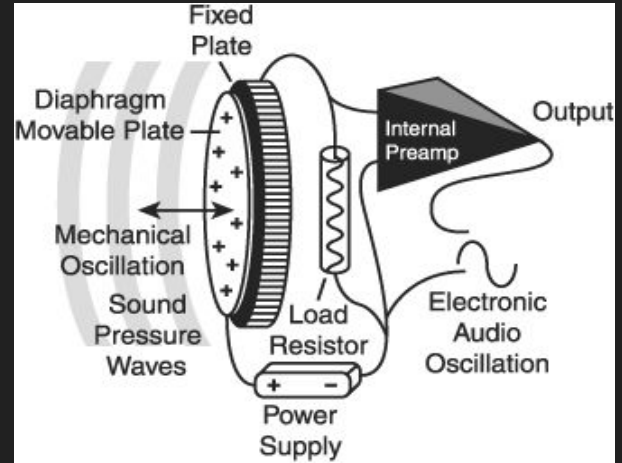
condenser mics

electric transducer - thin membrane over a solid metal backplate (capacitor)

requires external power

typically the most sensitive, best frequency response, less noisy

frequently come with switchable polar patterns



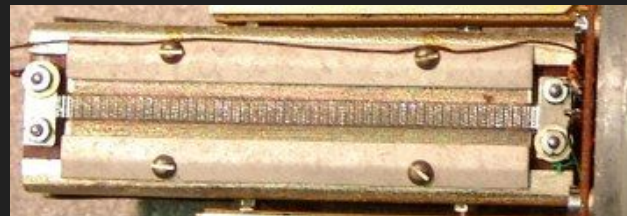
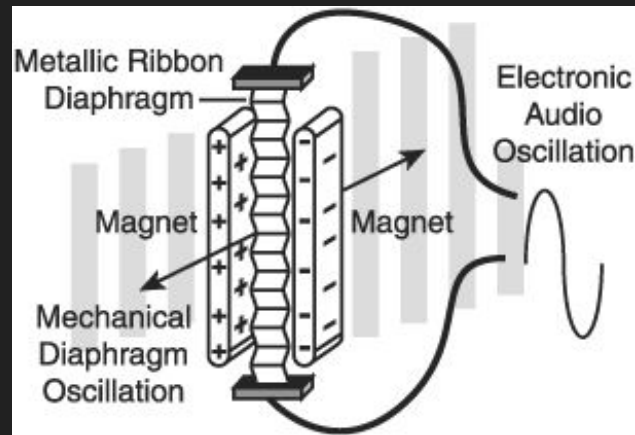
ribbon mics

electromagnetic transducer (a very thin, corrugated strip of metal)

polar pattern is always bidirectional

universally lower output compared to other mics

high velocity sound pressure waves can cause the ribbon to stretch, break, or snap





The Strokes - Is This It





\$400



\$3200



~\$50

Phil Collins - In the Air Tonight

single from *Face Value*, 1981

co-produced with Hugh Padgham in
the Townhouse Studios, West London

interview covering the production:
<https://www.mixonline.com/recording/classic-tracks-phil-collins-air-tonight-365521>



can you feel it?



Alabama Shakes - Gimme All Your Love

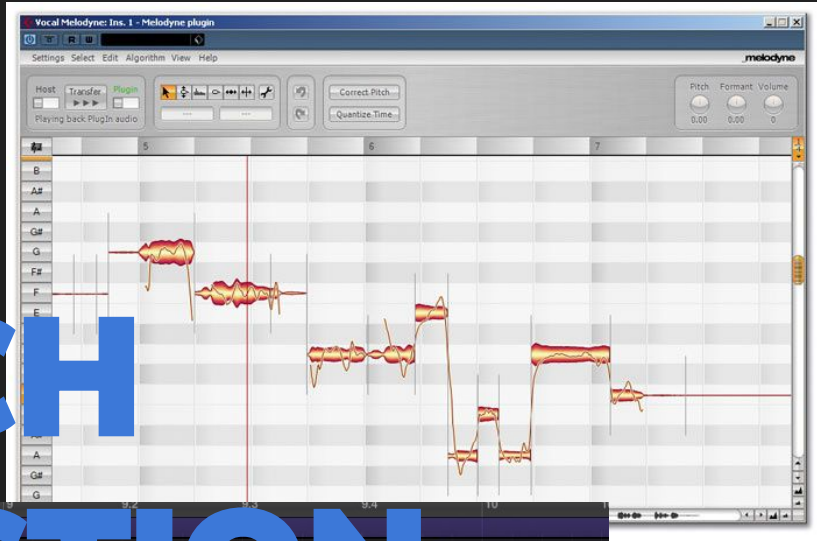
single from *Sound and Color*, 2015

produced by Blake Mills at Sound Emporium Studios in Nashville

interview covering the production:
<https://www.soundonsound.com/people/inside-track-alabama-shakes-sound-color>







PITCH
CORRECTION



Cher - Believe



Laurie Anderson - O Superman



Symphony of Science - A Glorious Dawn





SOUND VS MEANING

Paul Botelho - rising

inspired by and dedicated to the composer's mentor Steven Miller, who was struggling with ALS



rising

Paul J. Botelho

Music from SEAMUS, Vol. 25

István Márta - Doom. A sigh

based on two songs the composer recorded during a visit to Romania; one of a woman's long-dead parents, the other of the scene of a bloody battle



Scott Wyatt - ...and nature is alone

narrative written and recorded by a
woman who grew up in Chernobyl

originally for 8.1 surround

