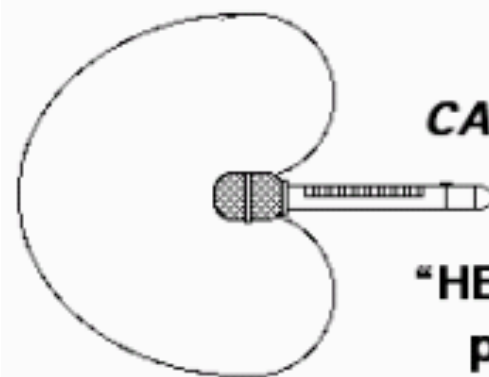
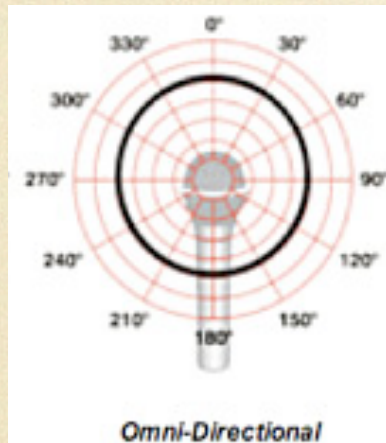


Audio For Film

"Films are 50 percent visual and 50 percent sound.
Sometimes sound even overplays the visual."

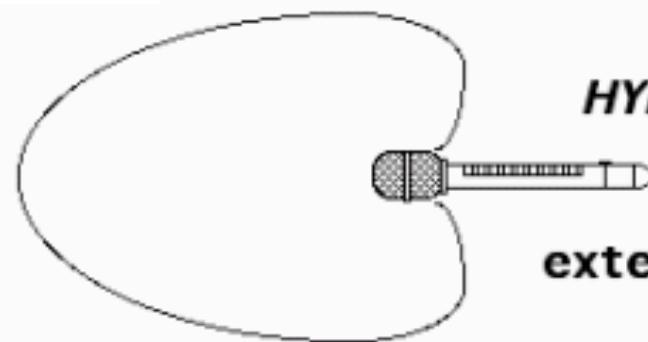
David Lynch, www.britishfilm.org.uk/lynch/intro.html

Pick-up Patterns



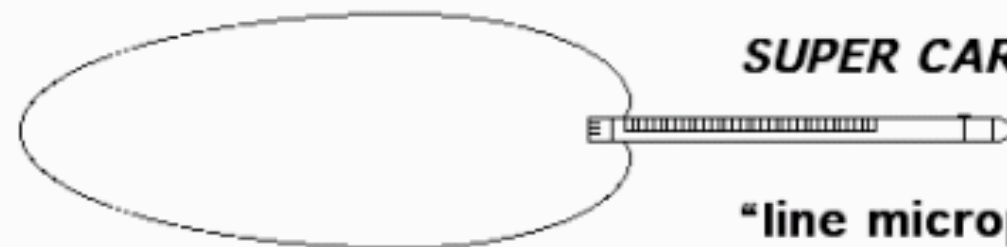
CARDIOID

**"HEART" shaped
pick-up pattern**



HYPER-CARDIOID

extended pattern



SUPER CARDIOID

**"line microphone"
aka the "shotgun"
highly directional pattern**

Softie Kit



Windshield Kit



Radio Mic



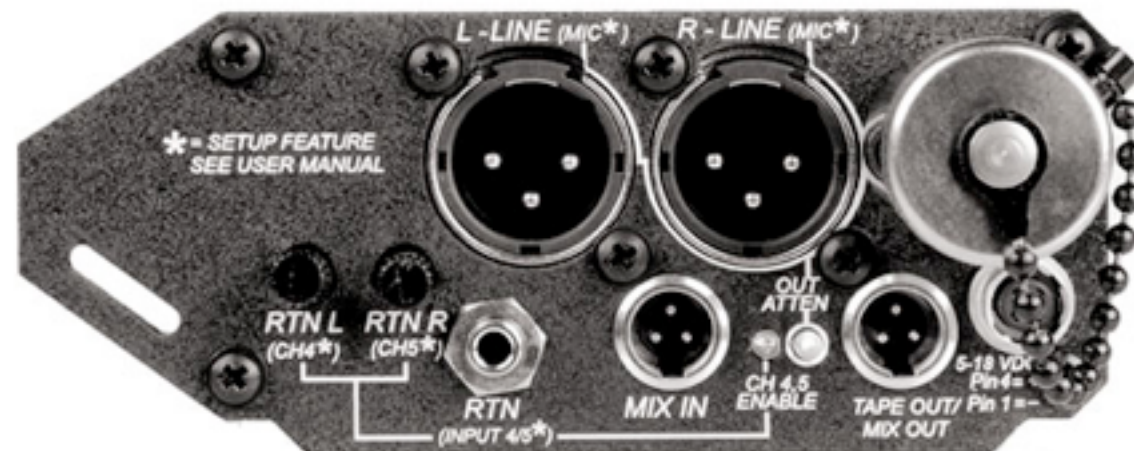
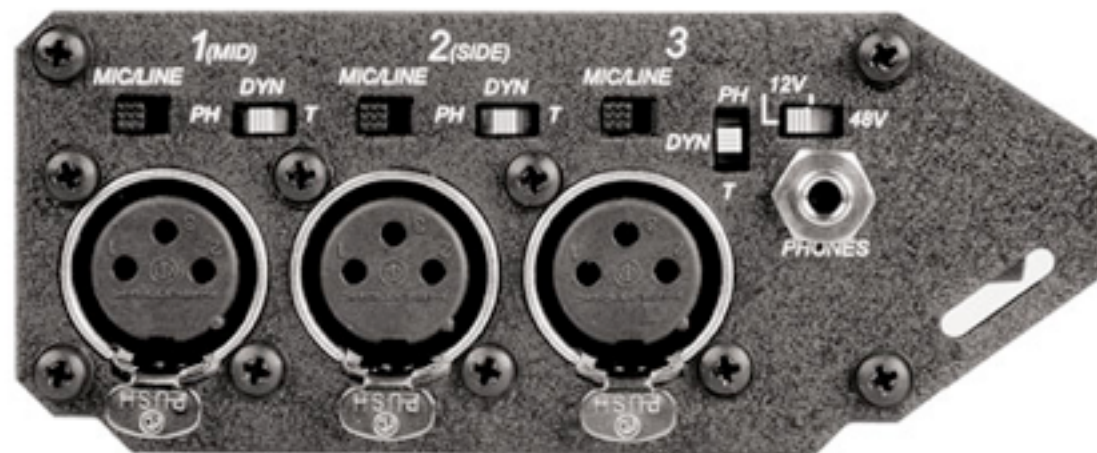
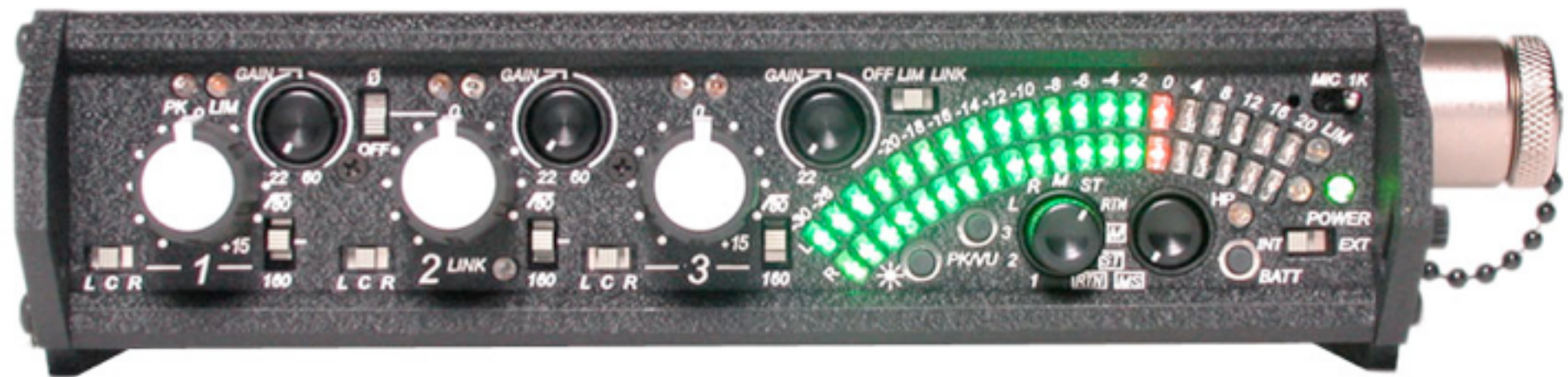
Shotgun Mic



Boom Use



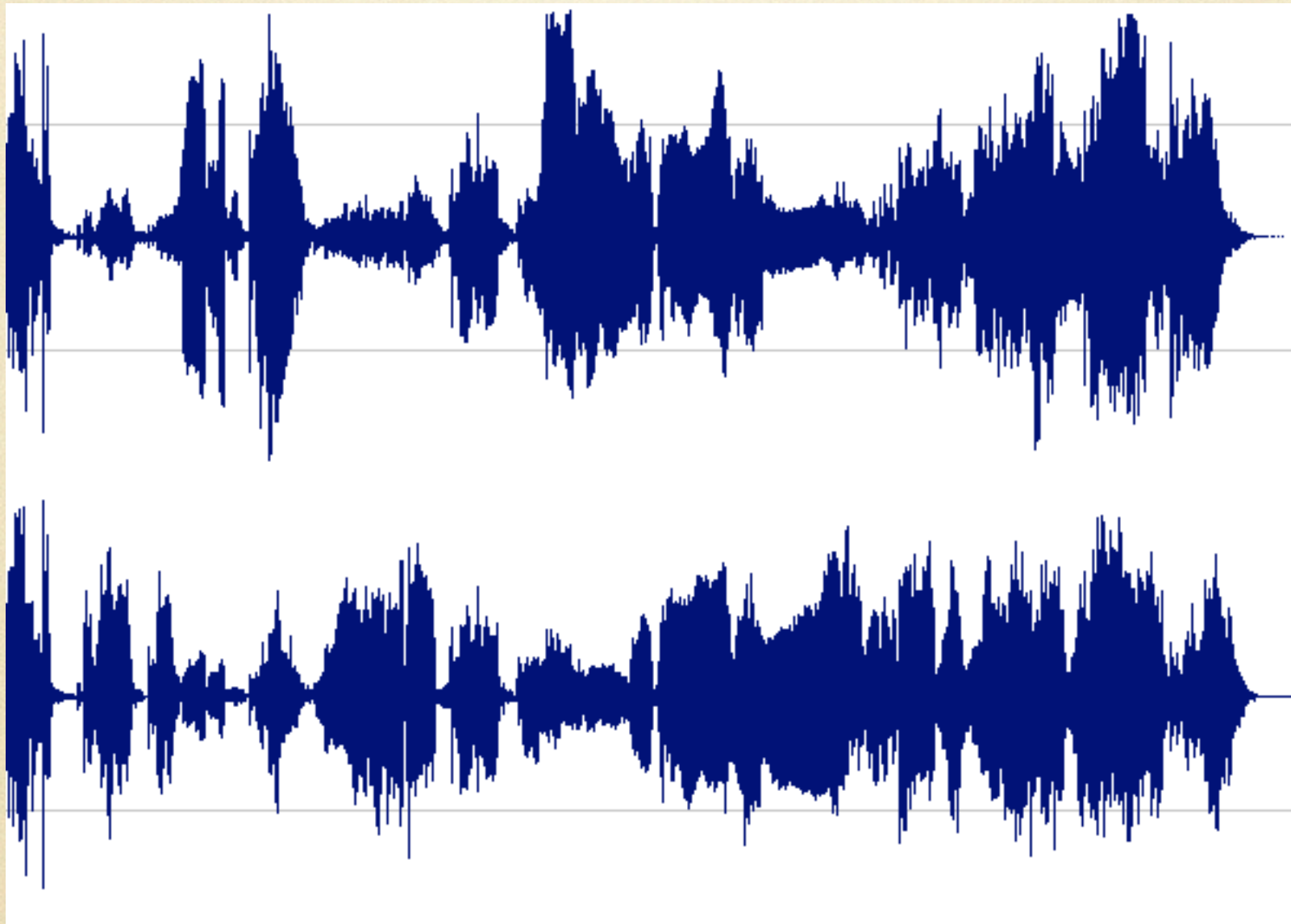
302 Field Mixer



Separate Audio Recording



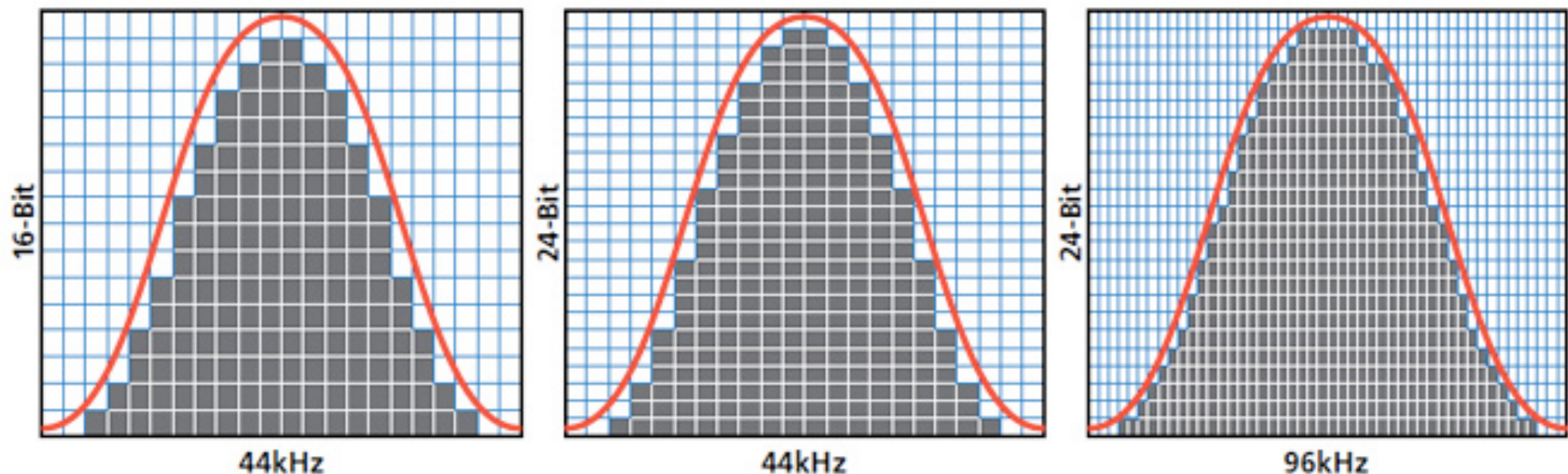
Audio Waveform



- Dynamic Range- The difference between the highest and lowest point of the waveform.

Sample Rate and Bit Depth

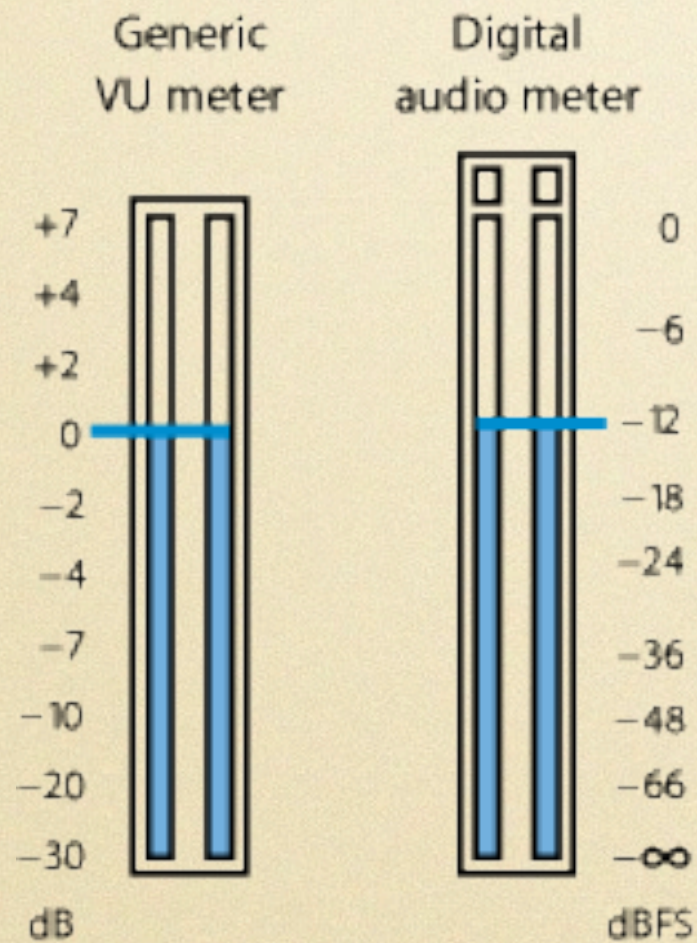
- 44.1kHz= CD quality
- 48kHz= Filming Quality
- 96kHz= HD Master Audio (Blu-ray)



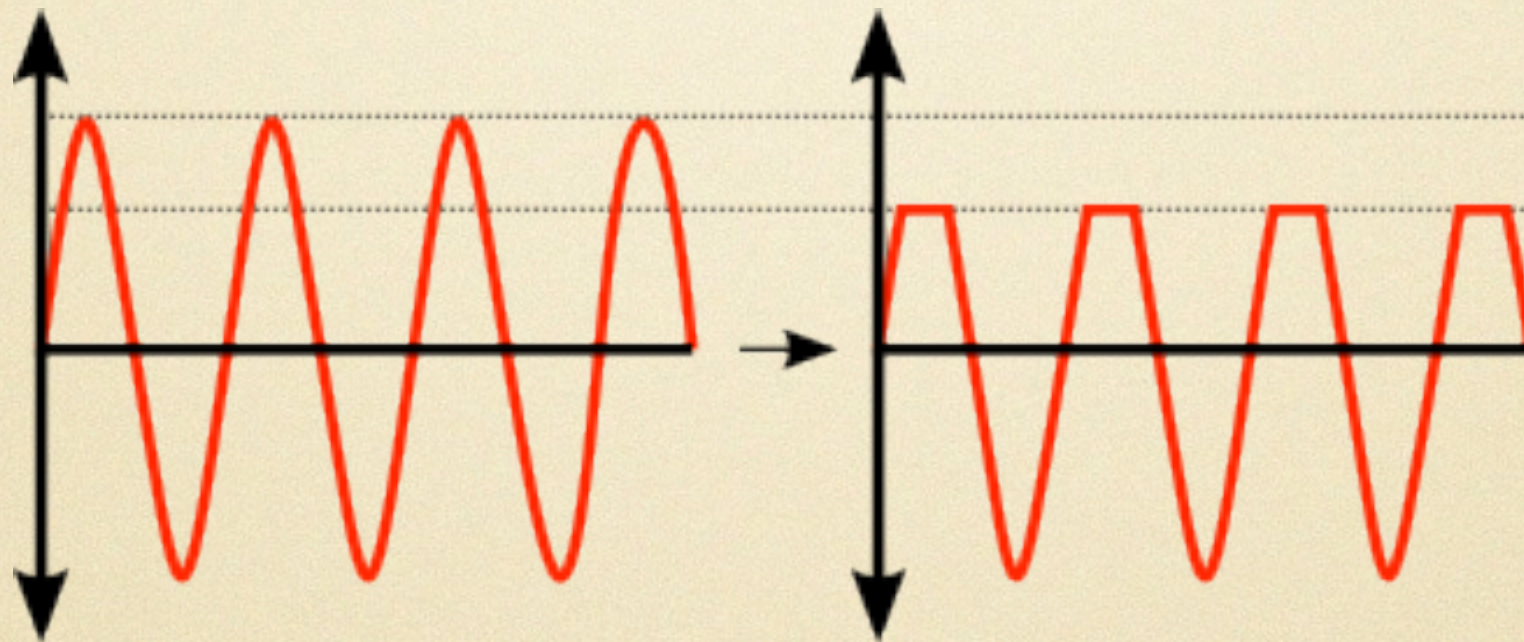
As bit depth and sample rate increase, more information is captured—resulting in higher-quality audio

Audio Meter

- -12dB Target Level



Audio Clipping



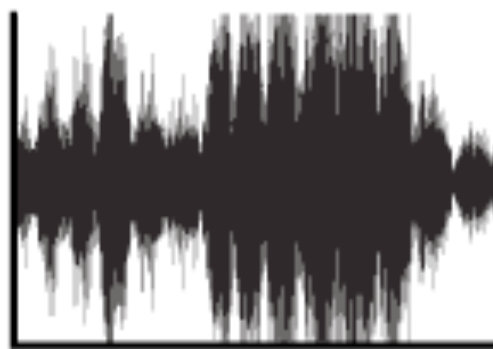
Gain Clipping

0 dBFS



Original

0 dBFS



Too much gain
causes clipping.

0 dBFS



Clipping remains
after gain is reduced.