

Mic vs. Line

Mic level - Weaker signal, typically between 1 mV to, at most, a few dozen mV.

Line level - Stronger signal, around 1 volt.

This means line level can be 1000 times more voltage than mic level.

Check the back of the mic kits to make sure they are sending out **mic** level. There's very little reason to ever have a mic kit output line level.

IMPORTANT - *Never* plug a line level output into a mic level input. The input is expecting a few millivolts, and is now receiving 1000 times the voltage. This can damage circuits, create feedback issues, create distortion, and more.

Gain staging

Gain adjusts the amount of voltage in the audio signal. Theoretically, increasing or decreasing gain makes the signal voltage stronger or weaker without changing the waveform.

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