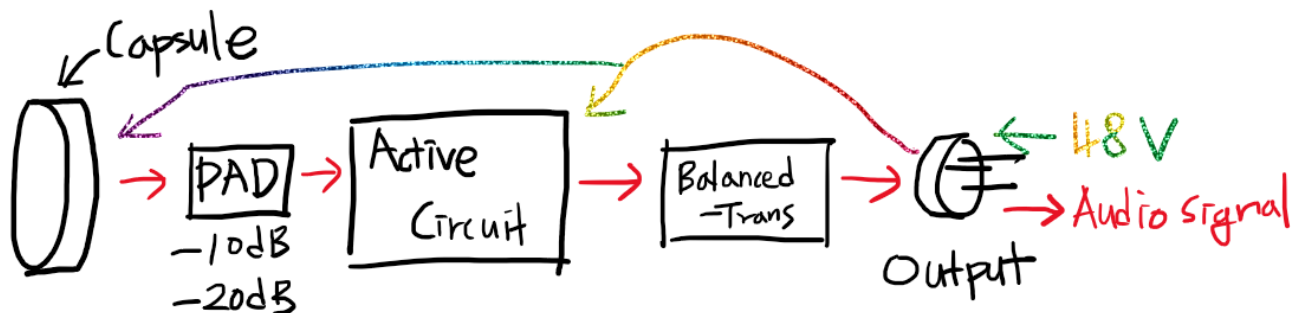




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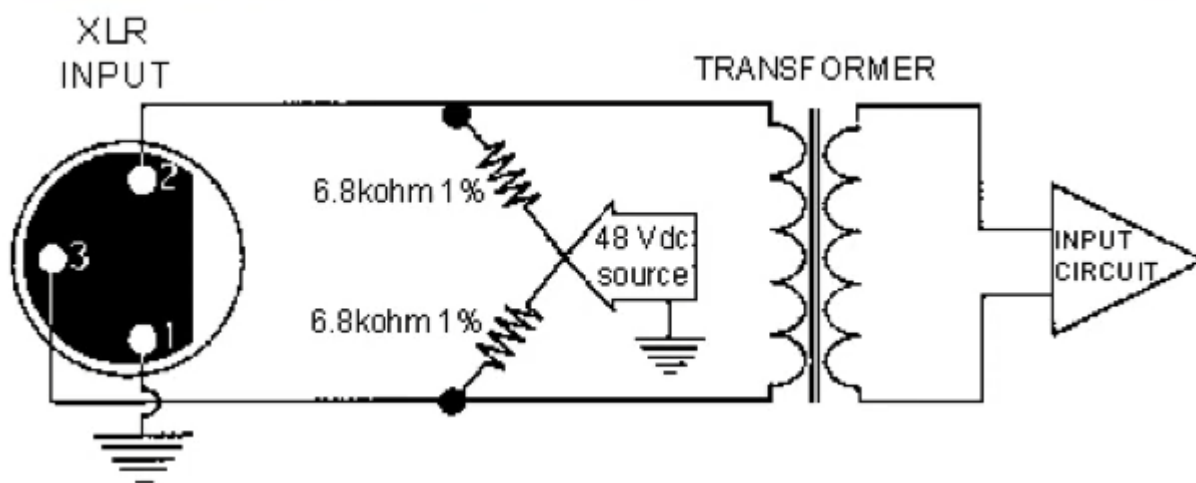
.....	1
.....	1
.....	1
.....	1
.....	5
Phantom power	5
.....	6
.....	6
.....	6
.....	6



48V
 , $48V \times 0.002A = 0.096W$, 0.1W 가

2mA

1)

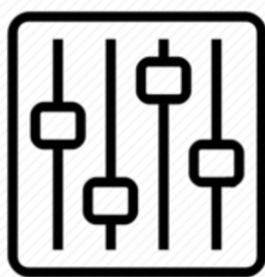


Phantom power

Phantom power is delivered to the microphone through the microphone cable in reverse. This method utilizes the principles of a balanced cable, where the signal wire is also used as the power line. Since the power cable is not visibly separate, it led to the term “phantom.”

Phantom power used for condenser microphones typically employs a high voltage of 48V but has a very low current, around 2mA. This results in an extremely small power output, roughly 0.1W, calculated as $48V \times 0.002A$.

1)



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