

## Forum:[Hack Forums](#)

Thread: [Microphone making strange noises \(When HARDWARE muted\)](#)

**Kyle17** - July 29, 2016, 10:44 am

Hey all,

So I have a Blue Yeti, and I'm looking to upgrade it in 3-4 months, for now, I'm stuck with it. I bought a powered USB hub to help fight the background hissing and noise, it worked, but I'm now getting a very strange sound where when I press the mute button ON the mic itself, there is something slightly visible. The "visualiser" in recording software picks it up as some sort of a pulse of some noise, just below -60db.

I recorded this with Audacity and boosted it by 50db to bring the peak to -8db:

[Video: <https://www.youtube.com/watch?v=hzBaRV7Hwho>]

Quick note, from 0:17 i clicked on the microphone bar at the top, to start visualising what it looks like. I was only recording system sounds at the time btw.

This is really strange, I think it may have to do with the powered USB hub not receiving clean electricity... Has anyone ever taken a plug and modified it to fit into the back of a UPS? I have a small one here for my screen and PC when the power goes out. I think running it there will provide cleaner power, stopping the noise. I really don't know what is causing this. All help is appreciated.

**'Ben** - July 29, 2016, 12:25 pm

Sounds like static which could be from the USB ports. Spend \$30 on a dedicated sound card, problem solved.

**Kyle17** - July 29, 2016, 1:13 pm

Problem is, the Blue Yeti is a USB only device. I don't think there is a way to get it to work through normal audio port as it gets its phantom power from the USB... Anyway, I think i'll just have to wait until I get the new mic that i'm saving up for ^.^

Unless anyone else has some suggestions for the meanwhile...

**archangel.dmitry** - July 29, 2016, 2:12 pm

It cannot be noise, due to many reasons. It is some kind of feedback or monitoring signal.

**'Ben** - July 29, 2016, 2:19 pm

(Jul 29, 2016 02:12 PM)archangel.dmitry Wrote: [\[CITE\]](#) It cannot be noise, due to many reasons. It is some kind of feedback or monitoring signal.

It will be the USB hub thingy he is using.

I know Blue Yeti is a very popular mic, I presume you have looked on YouTube OP?  
What sort of setups are those guys using?

Could just be that buying a better quality USB hub would sort it out

**werhuman** - July 30, 2016, 2:03 pm

As an Ex TV repair man (and repairer of MANY Hi Fi set ups). That sounds like background pick up or some kind of earth loop hum. It could be poor regulation of the supply to or from the Hub. (Many

cheap powered hubs , if they have any kind of regulation, usually only use a zenner diode to set the voltage and rely on prior"smoothing" in their, often cheaply made, PSU's). Depending upon whether or not the PSU provided DC or AC (some older hubs used linear AC supplies) input is of a standard value, and in the case of the former this next approach might solve the issue. A simple Switch mode Regulated PSU that can give out the right voltage will be better . But if the problem is a cheap hub... Then ditch it for a better model. I've had mic problems similar to this with some gaming headsets; and that was down to a poor earth return on the socket. (Oxidised contacts) Careful judicious use of a switch cleaner solved that issue. Just don't use too much as that leaking onto a motherboard can cause a whole series of very nasty problems.