

Mini-VUMP Noise Fix Bulletin

3/29/2022, JoyeMusic

SCOPE: This fix applies to Mini-VUMP Serial Numbers 001-080.

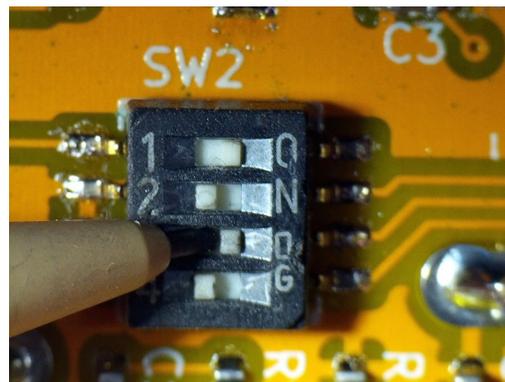
ISSUE: A few customers, 2 out of 50 (as of March 2022), have reported hearing noise on their signal due to the Mini-VUMP. This is *very setup dependent*. It happened in one case using a piezo pickup with an upright bass, and another case running passive a guitar clean through the VUMP pedal to an amp.

SOLUTIONS: I have a few solutions if this happens to you -- You'd probably only need ONE of them:



<1> If you use a high-impedance source, such as a passive electric guitar going straight into the Mini-VUMP and then into an amp, *this is the most likely case to get noise*. **Put a pedal before the Mini-VUMP, like a reverb pedal** (which you always have on) and the noise should be markedly lower.

<2> Set the Mini-VUMP to turn on only when the pedal is muted. To do this, open the back panel and **turn off DIP Switch #1** using a toothpick, pencil tip or a tack (the switches are small). You won't be able to monitor the signal while you're playing, but many people find that distracting anyway. This is a *100% guaranteed* way to eliminate noise, because the circuit only turns on when the guitar signal is muted.



<3> Engage the 100k shunt resistor. Open the back and **turn on DIP Switch #3** (*photo at right*), which engages a 100k pulldown resistor (note the white wording on the PCB is wrong for Switch #3). You may notice a small loss of signal with Switch #3 on, but this was reported to eliminate the noise for the customer who was using high-impedance piezo pickups on an upright bass straight into an amp. This alone totally fixed the problem in that case.

<4> Finally, you should have the Mini-VUMP on an **isolated power supply**. In one case, the customer was using a power splitting cable instead of isolated supply. Power splitting cables are dangerous because not all pedals are grounded the same way, and this is a common way to blow out a pedal (or the power supply) -- believe me, I've repaired MANY pedals with blown power circuits. The Mini-VUMP is grounded the same way as most pedals, but *there are a lot of exceptions* to the way pedals are grounded, so sharing power with a splitting cable may cause trouble.

