AVOIDING GROUND LOOP WITH BEATSTEP PRO

1. Quick reminder

Ground Loop background noise might occurs when 2 or more devices share ground connection with BeatStep Pro.

Ground loop is a common issue when using several audio devices connected to two points that are supposed to be at the same potential.

2. Typical setup where you can face Ground Loop noise



3. How to avoid the ground loop noise



- PWR Connector : This side of the "Y" adaptor should be connected to a power source like a USB power supply with a minimum of 500mA.
- PC connector : This side of the adptor only sends and receives DATA and should be connected to your computer.
- Male micro usb plug should be connected into you BeatStep Pro socket.



PC connector MUST be connected on a back usb port and not on the front panel.

You must connect PWR and PC before connecting/power up your BeatStep Pro.

Example :



More info about Ground Loops :

- Ground Loop Noise in the NI USB-5132/5133 : <u>http://zone.ni.com/reference/en-XX/help/370592N-01/digitizers/513x_ground_loop_noise/</u>
- Solving Laptop Noise and Ground Loop Audio Interference <u>https://www.youtube.com/watch?v=jSA2F1AwboU</u>