

This is an example on how to electrically connect the BX17 generator to Kanalog interface board.

**It is important to note that any Kflop C code examples provided might use a different order for the inputs and outputs (software setup).**

- Use shielded cables and connector hoods
- Connect the cable shield only on one side of the cable to prevent ground loops
- Use twisted pair cable for the S+ and S- signals, from generator to differential converter.
- Use only motor drivers with optically isolated inputs
- Use a shielded mains power input with integrated EMI filter

In this setup, the control board ground is connected to ground through a single ground path. There are no ground loops. The ground path is:

Mains ground → Monitor power cable → Monitor → HDMI cable → Mini PC → USB cable → Kflop

