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Ez-b Powered By Roomba

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Step 1

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Normally on a fully charged Roomba battery the voltage can be as much as 17 vdc. Since the EZ-B (3) can accept up to 17 vdc direct Roomba battery power can be used to run the Roomba and the EZ-B as well. Possible limitations come to play if power needed for goodies connected to the EZ-B exceed 1/2 amp. There is a resettable fuse on the Roomba PCB that will open if the 1/2 amp of current is exceeded. Here is a photo of a cable used to power the EZ-B and also communicate with the Roomba via D 0.

NOTE: Up to 22 vdc can be on the same power terminals if the Roomba is in a charging state. It is advisable to disconnect the EZ-B when charging the battery.
Here is a quick reference of the pin number assignments and corresponding plugs.