

## Application Note

### Does the 41910-U11 USB Extender Require an Additional Power Supply?

Typically, the 41910-U11 does not require an additional power supply. It uses the 5VDC provided by the USB port of the host computer. However, depending on the type of twisted pair cabling used between the transmitter and receiver it may be necessary to provide an additional power supply for the system. The reason is that with smaller guage wire, the resistance is such that on long cable runs, there is insufficient voltage at the receiver end to run the electronics built into the receiver. Luckily, it is easy to tell if you need an external power supply. The receiver has a blue LED built in and when it is lit up, you are good to go! There is nothing further required and your USB extender is working as it should. However, if this blue LED is not lit up, you will need to purchase an external power supply. These are easy to find at your local electronics stores.

The unit required is a **5V, 2A power supply** with a 1.3mm diameter, positive (+) center pin, and a 3.5mm diameter, negative (-) outer barrel. This gets plugged into the power port on the side of the receiver. Once you have this plugged in you are ready to start sending USB signals through your new system.

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41910-U11

