

## Application No. 90: Serial connection of batteries

Author: Federico Filoni, Manno, Switzerland

### Thanks to the conductivity of super magnets!

Hello team supermagnete!

I like to play around with electronics and can make use of your magnets for a very practical purpose. Often I require a specific voltage but I don't have professional tools or the classic serial connection box. Then I thought of your magnets, because I can easily use them to build my own serial connector using individual batteries.

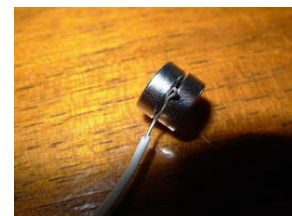


To connect standard AA-batteries I used small disc magnets S-08-03-N ([www.supermagnete.de/eng/S-08-03-N](http://www.supermagnete.de/eng/S-08-03-N)) which you gave me as a free sample with one of my orders.

You need only one magnet between each of the batteries...



... and at the end of the row of batteries you trap a bit of wire between two magnets.



Given the strong attractive force between the super magnets, it is advisable to place the magnets with alternating poles (N/S/N/S) because even with a battery between them, they can reject each other.



Look at that: it works wonderfully :-)



**Articles used**

S-08-03-N: Disc magnet Ø 8 mm, height 3 mm ([www.supermagnete.de/eng/S-08-03-N](http://www.supermagnete.de/eng/S-08-03-N))

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