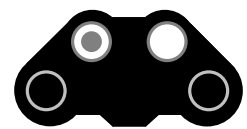


# ***summit II<sup>Plus</sup>***

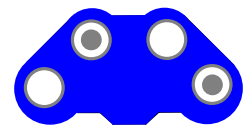
## Construction Guide



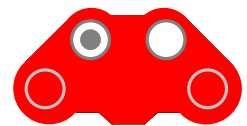
## Units



Remote Unit

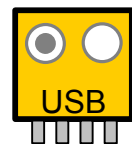


Repeater Unit

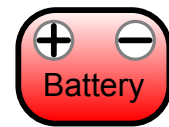


Trigger Unit

## Accessories



USB Line Interface



Commercial Battery



Laptop

## Cable: Central Power Supply



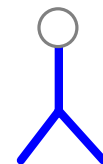
Power-Line Cable

variable length



Terminator Cable

2 m



Power-Terminator Cable  
with commercial battery adapter

1 m

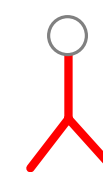
(all cables: 4 wires, round)

## Cable: Decentral Power Supply



Line Cable  
(2 wires, flat)

330 m



Power Cable  
(4 wires, round)

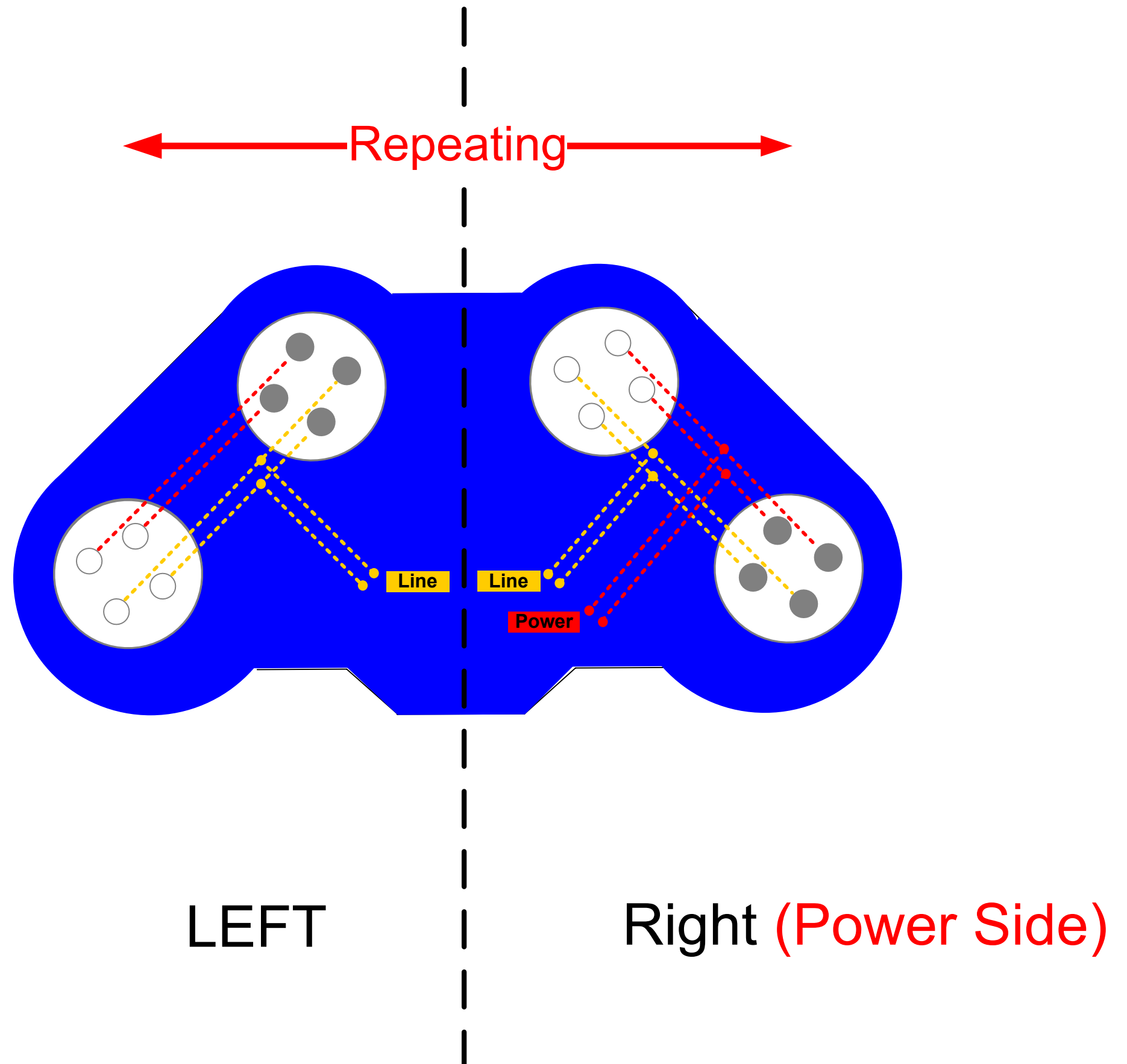
0.5 m

The Repeater Unit is divided internally into two subunits: Left and Right

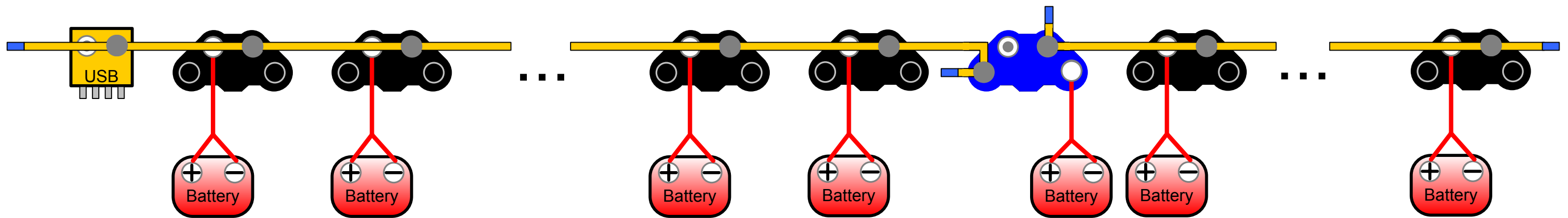
The Repeater boosts data signals between the left and the right side.

The Repeater's right side corresponds to a Remote Unit

The Repeater has to be powered from the right side.



In decentral power supply configuration all units are connected via Snap-on Technology to Summit Line Cable



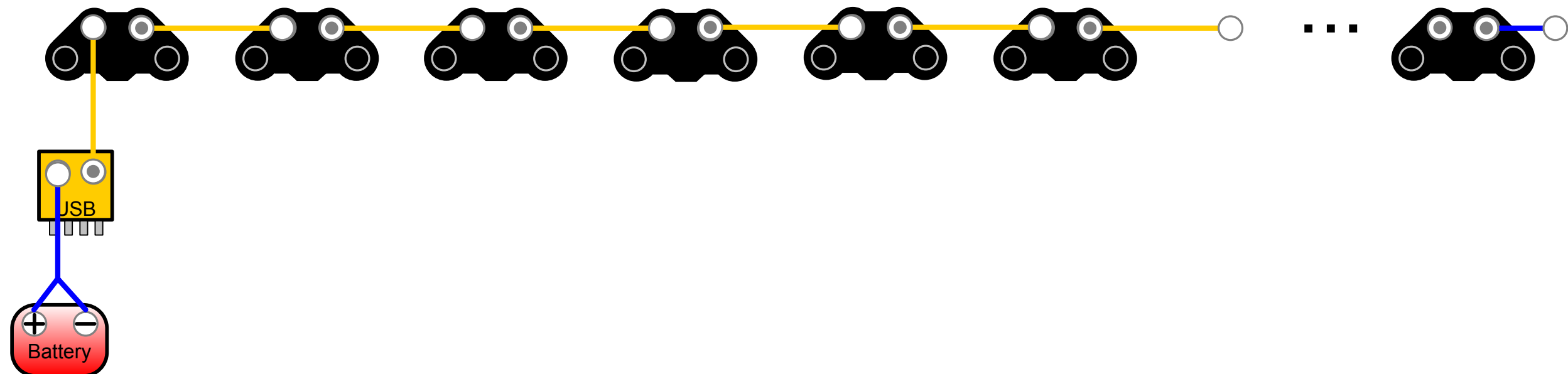
To configure central power supply follow these guidelines:

→ Maximum length of one Line Segment: 330 meter

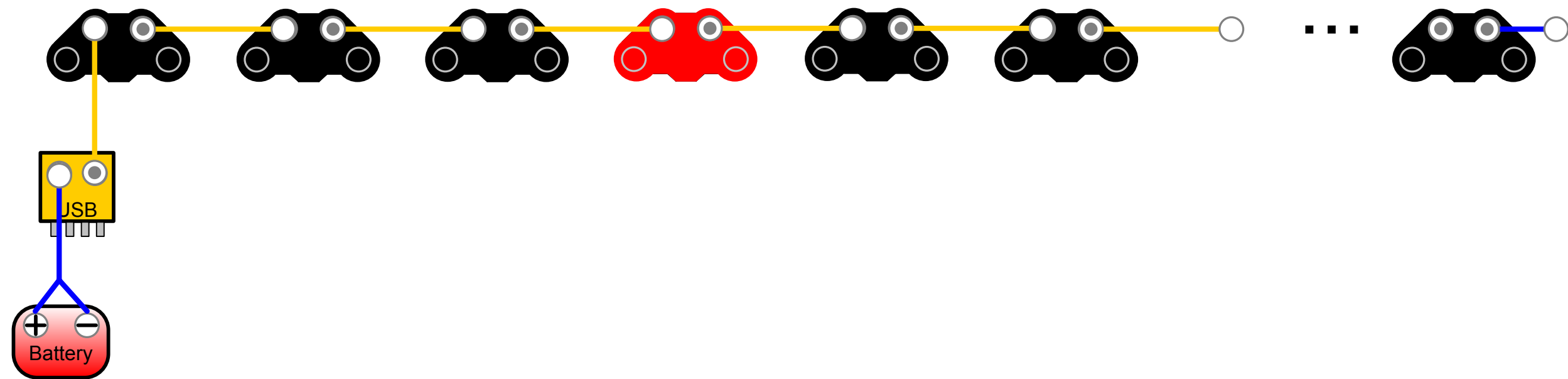
→ Each Line Segment must be terminated on both ends.

→ On one end the Line Segment is terminated and powered via the Summit Power Terminator Cable

→ On the other end the Line Segment is terminated by the Summit Terminator Cable



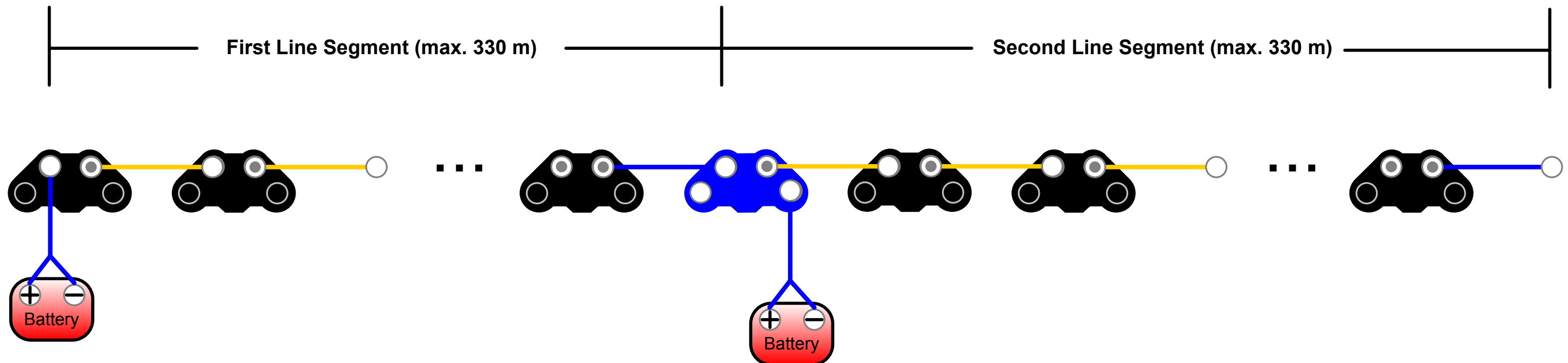
Use a Summit Trigger Unit at any desired position



Summit Lines can be easily extended by using Summit Repeater Units.

Thus a whole Summit Line could consist of an unlimited number of Summit Line Segments

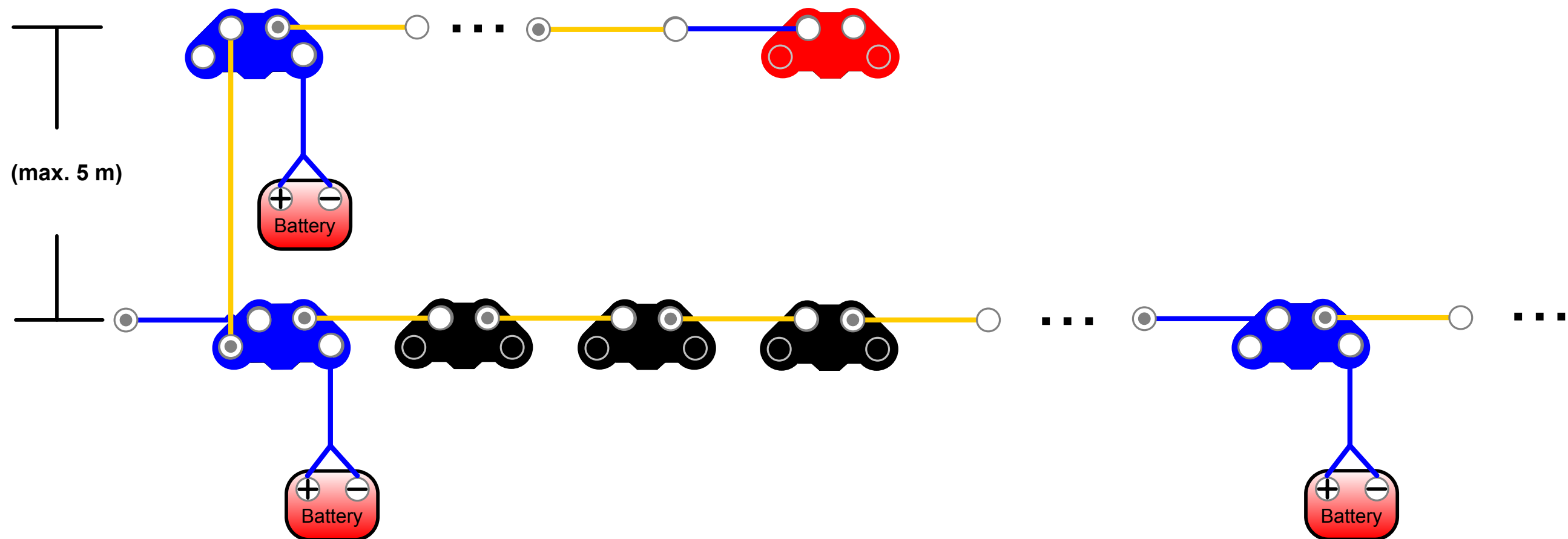
**Note:** A Repeater Unit can only be powered from the right hand side. There is no power connection from the right side to the left side.



If you connect the Trigger Unit to a Repeater Unit you can move easily along the line:

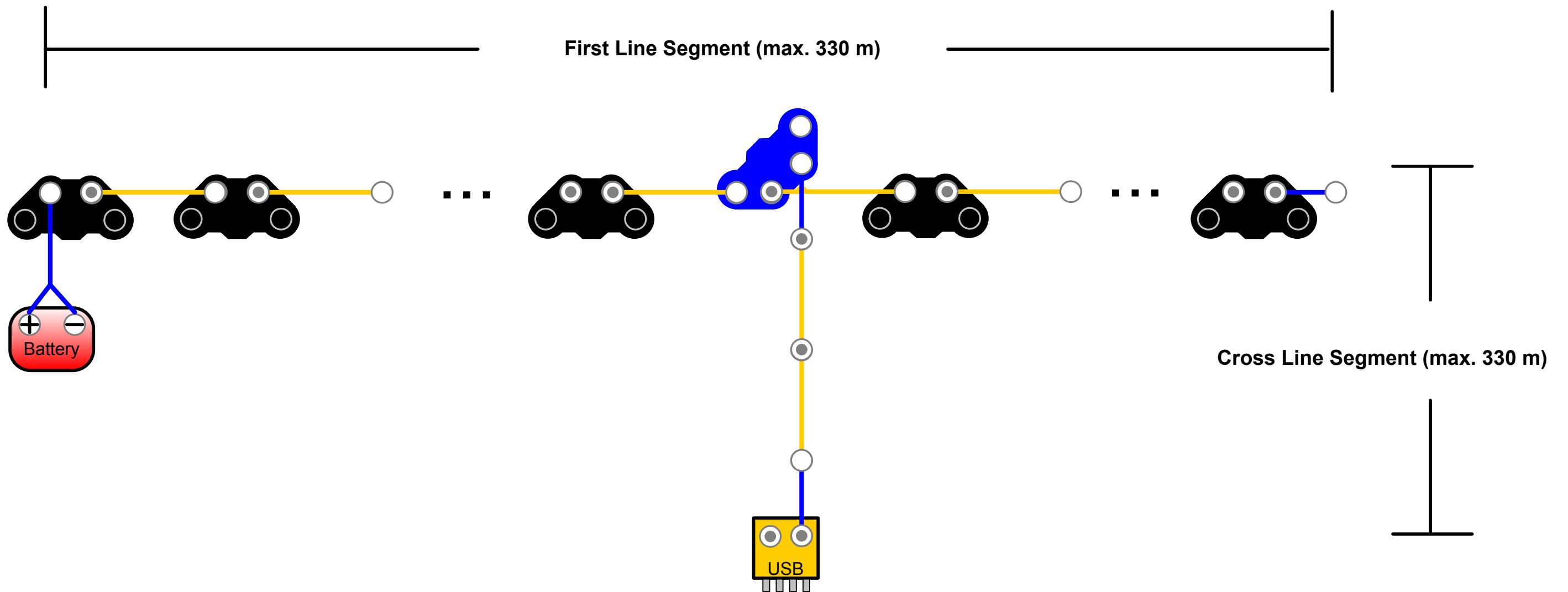
Thus you do not need to connect your Trigger Unit at each shooting point with the line.

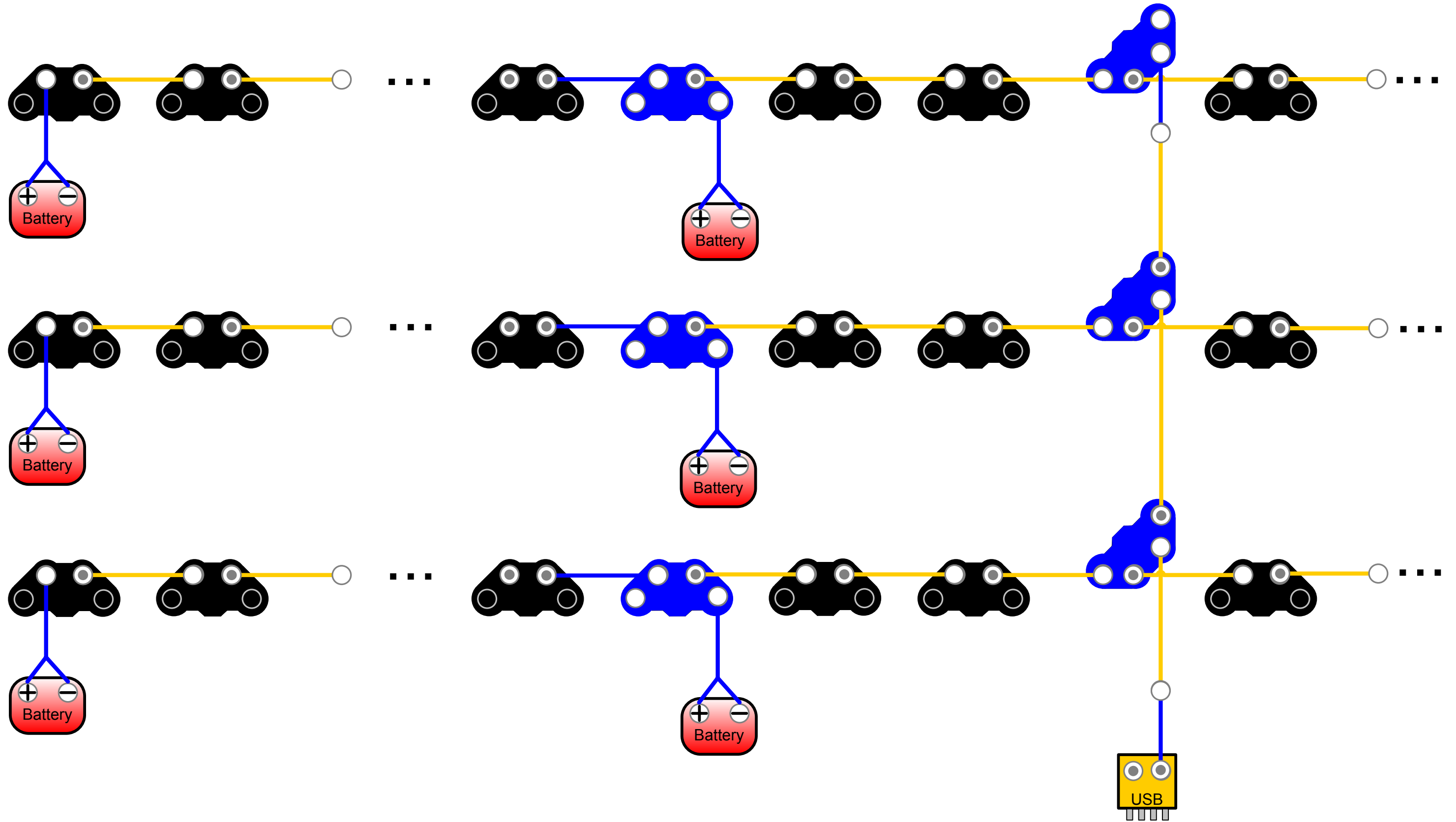
Note: Use a short Power-Line Cable for the parallel connection (max. 5m)

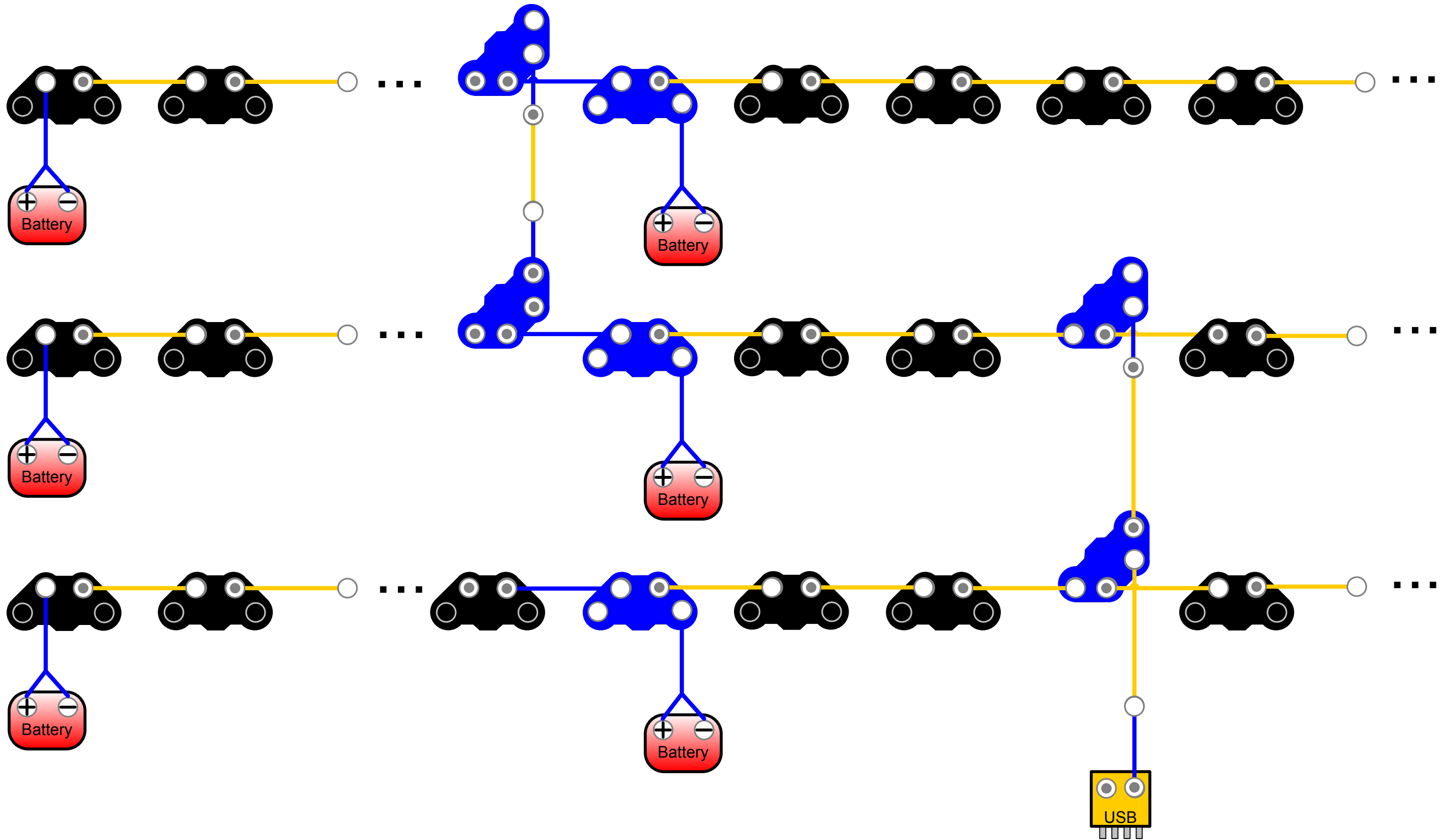


Repeater Units can be used as cross units as well. No special configuration is required.

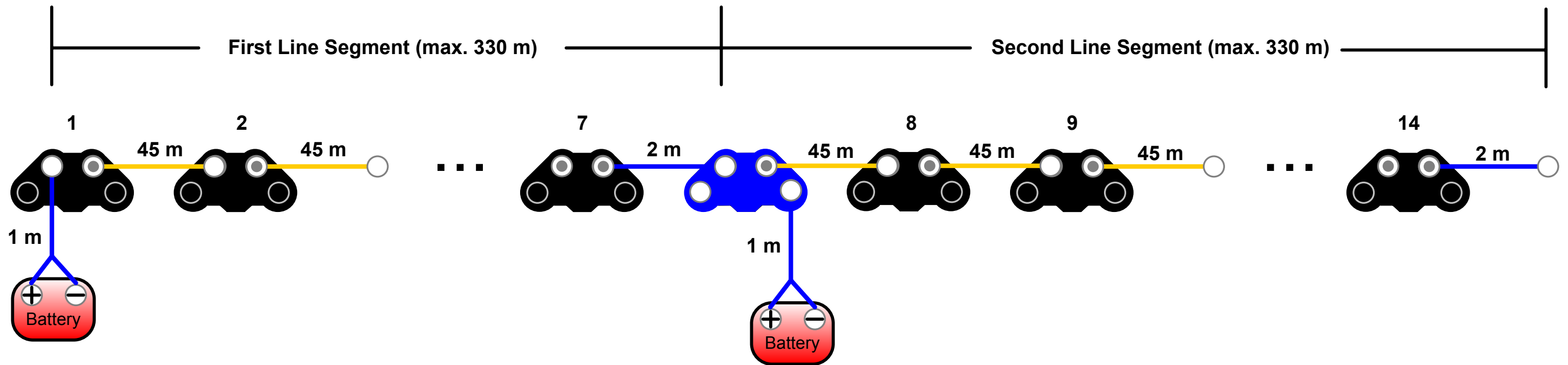
Note: Usually, cross line segments do not need an external power supply as only data is transferred.



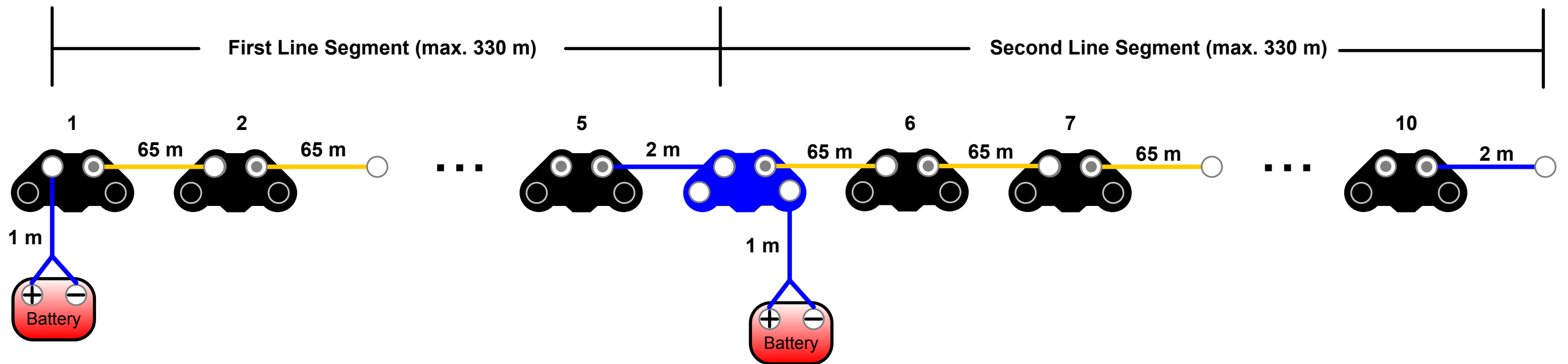




Summit 2-D Spread with 20m geophone space



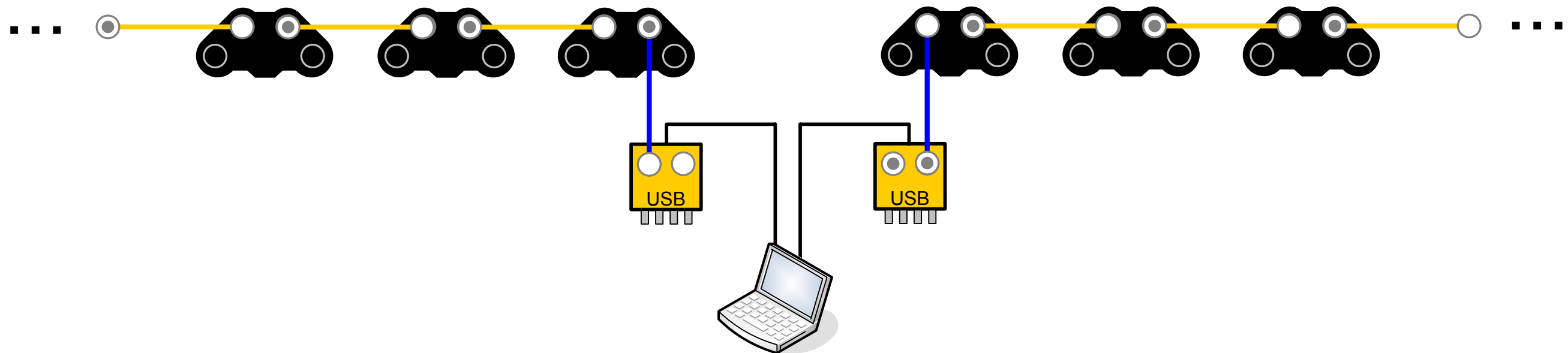
## Summit 2-D Spread with 30m geophone space



To speed up your acquisition time you have the possibility to connect several USB-Line-Interfaces to your laptop.

Assume you connect „n“ USB-Line-Interfaces, data transmission time can be cut down by a factor of „n“.

The sketch below shows an example for a 2-D line.



This sketch shows an example for a 3-D line.

You can connect as many USB-Line-Interfaces as the lines you have.

