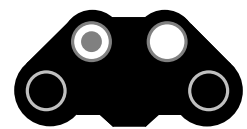


summit II^{Plus}

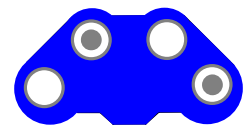
Construction Guide



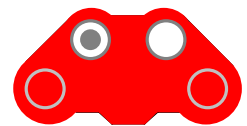
Units



Remote Unit

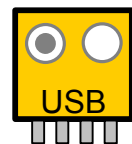


Repeater Unit

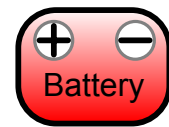


Trigger Unit

Accessories



USB Line Interface



Commercial Battery



Laptop

Cable: Central Power Supply



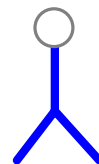
Power-Line Cable

variable length



Terminator Cable

2 m



Power-Terminator Cable
with commercial battery adapter

1 m

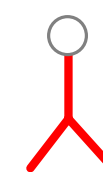
(all cables: 4 wires, round)

Cable: Decentral Power Supply



Line Cable
(2 wires, flat)

330 m



Power Cable
(4 wires, round)

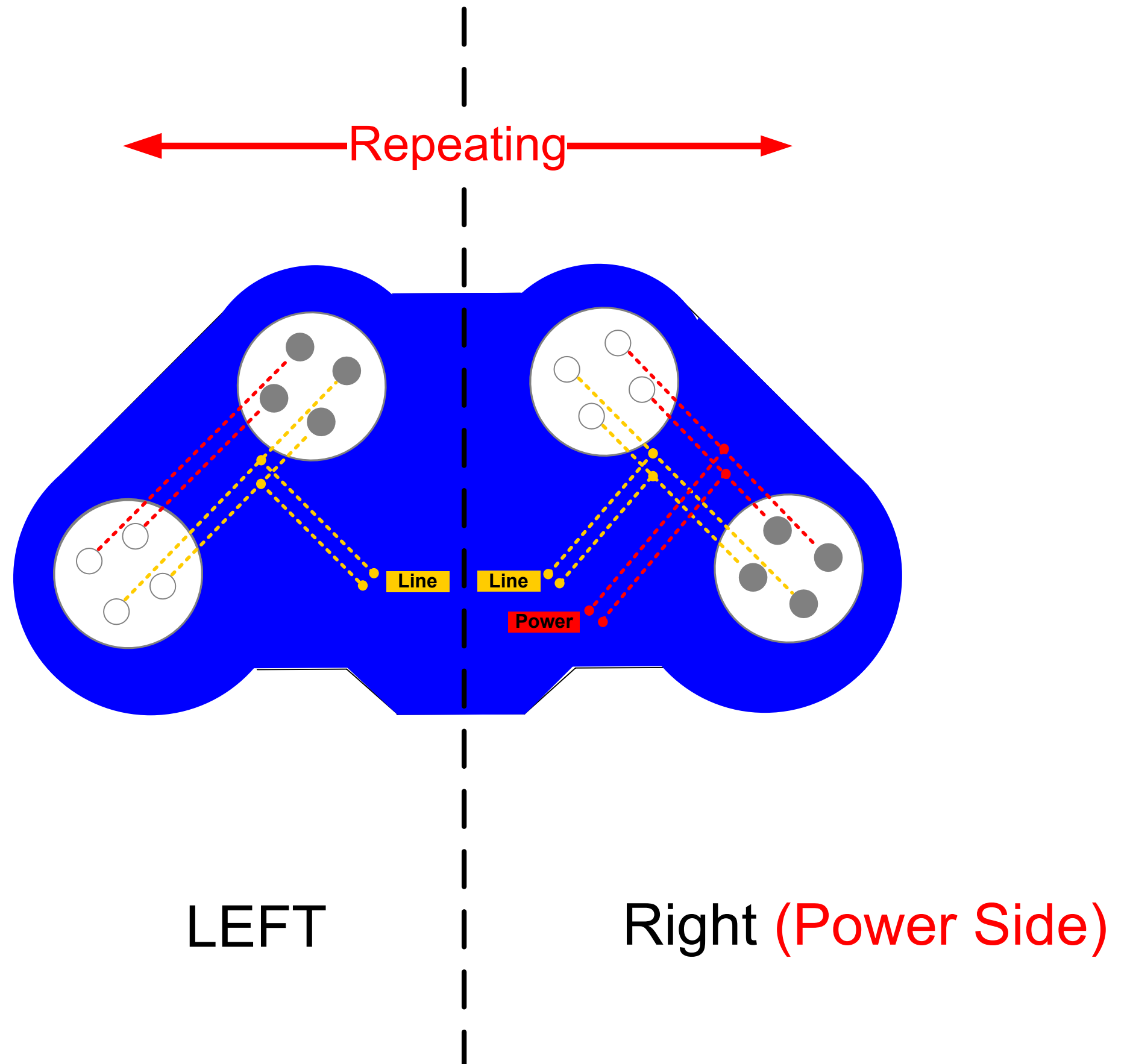
0.5 m

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

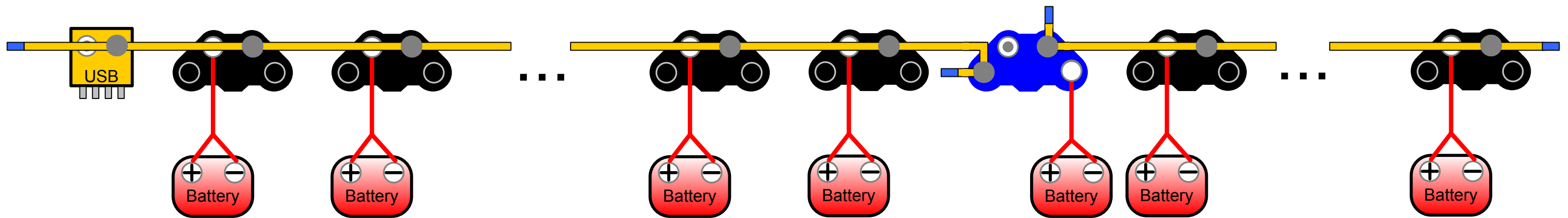
The Repeater boosts data signals between the left and the right side.

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



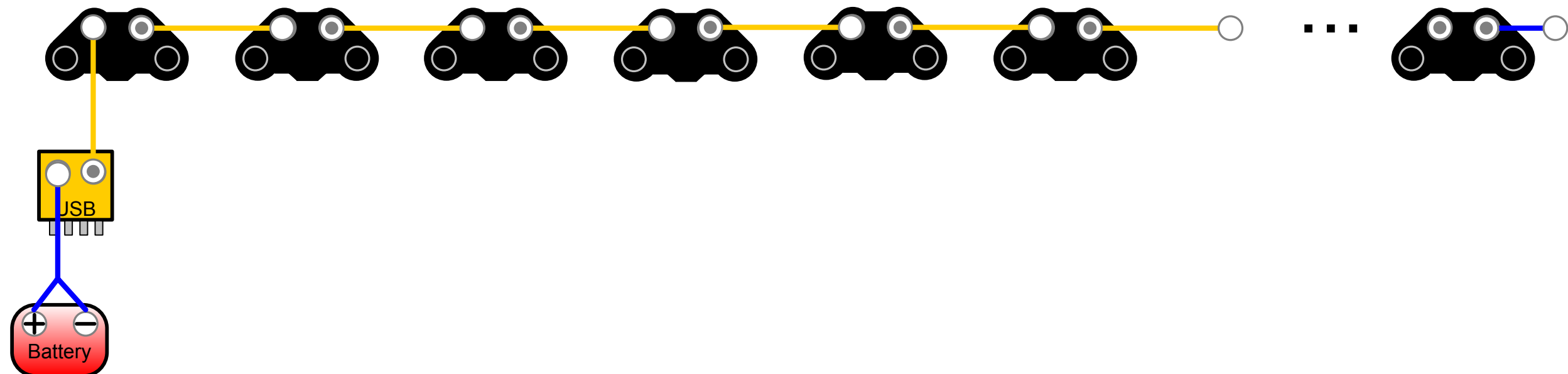
To configure central power supply follow these guidelines:

→ Maximum length of one Line Segment: 330 meter

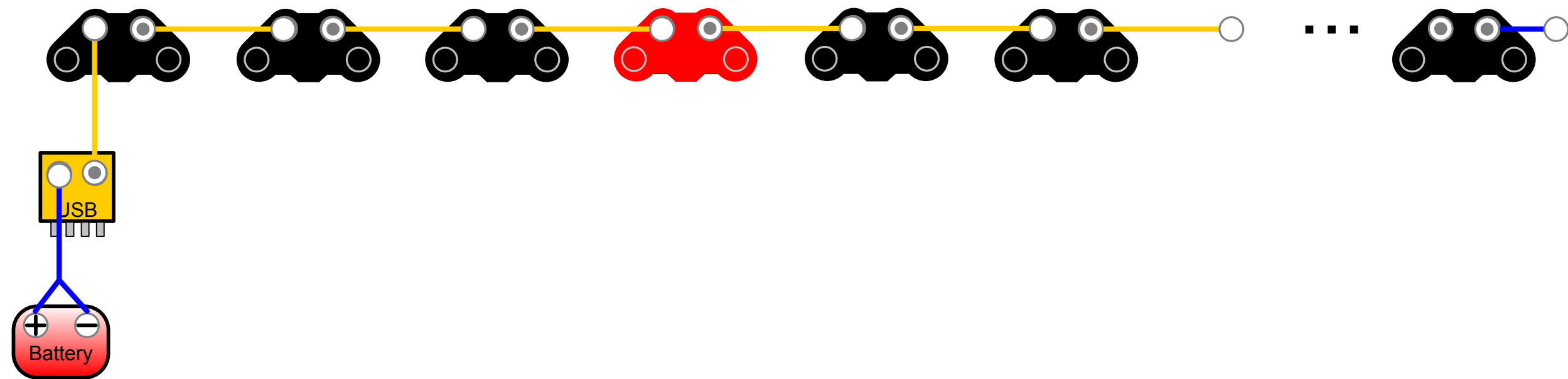
→ Each Line Segment must be terminated on both ends.

→ 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



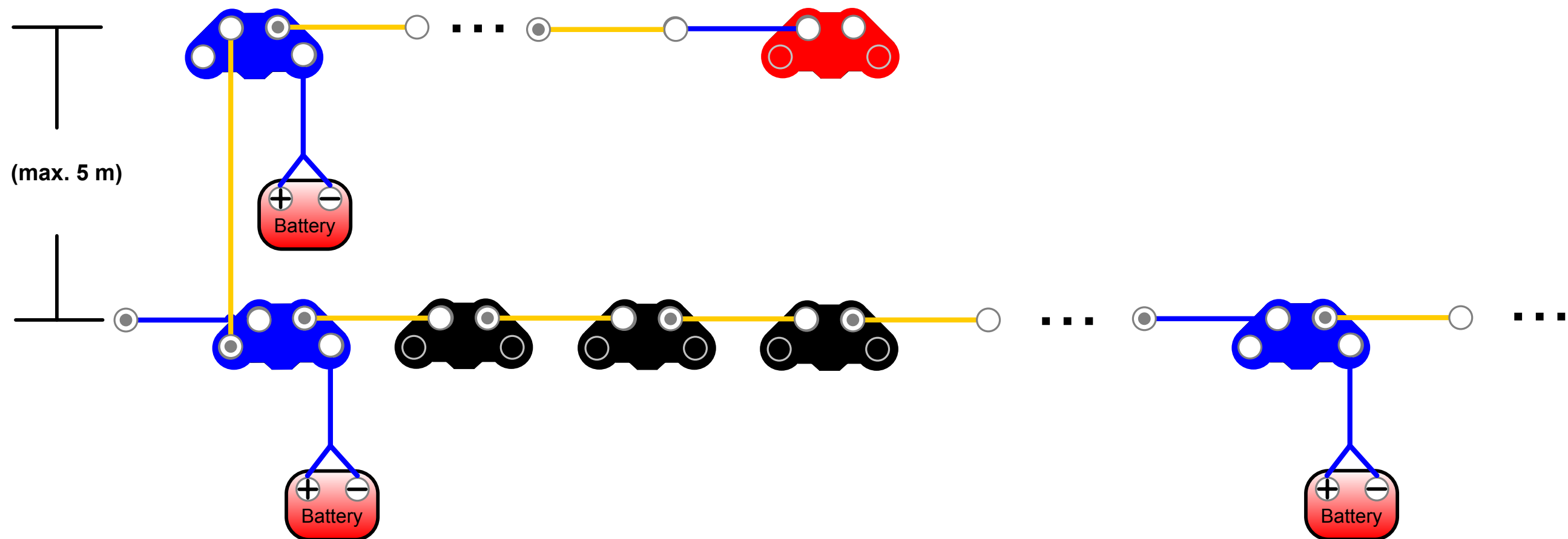
Use a Summit Trigger Unit at any desired position



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

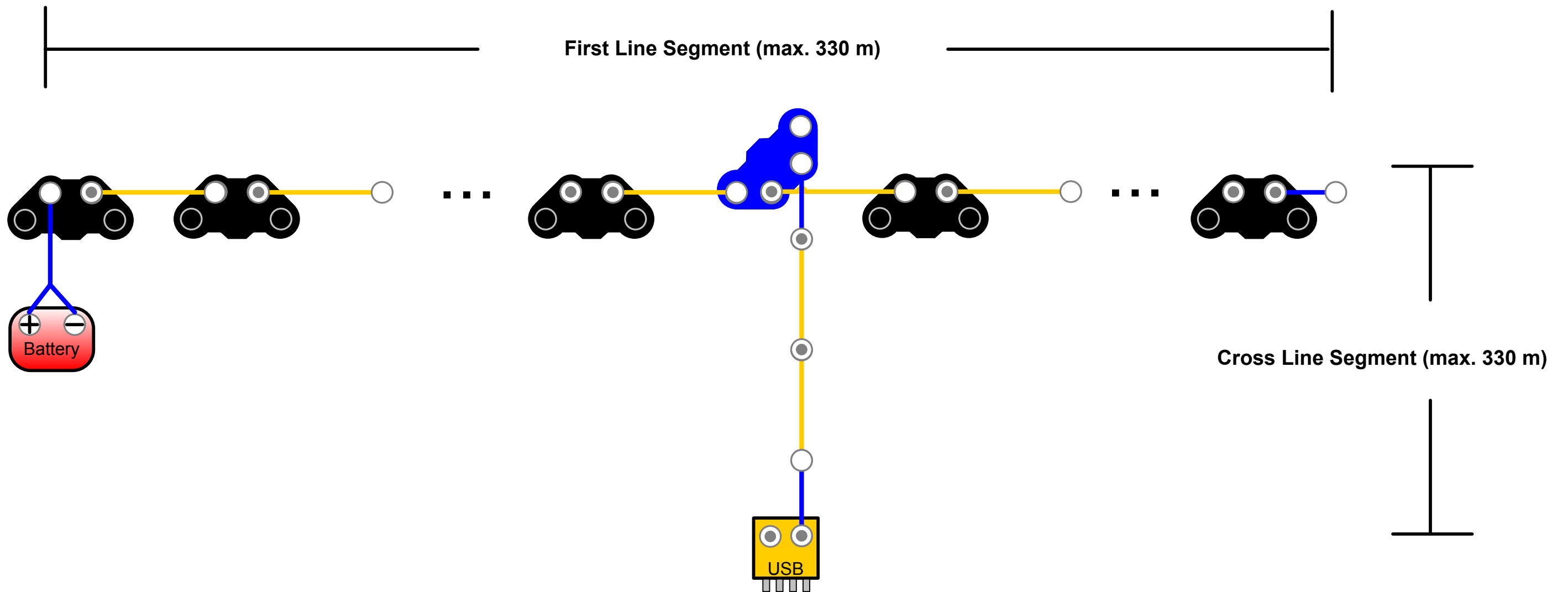
Thus you do not need to connect your Trigger Unit at each shooting point with the line.

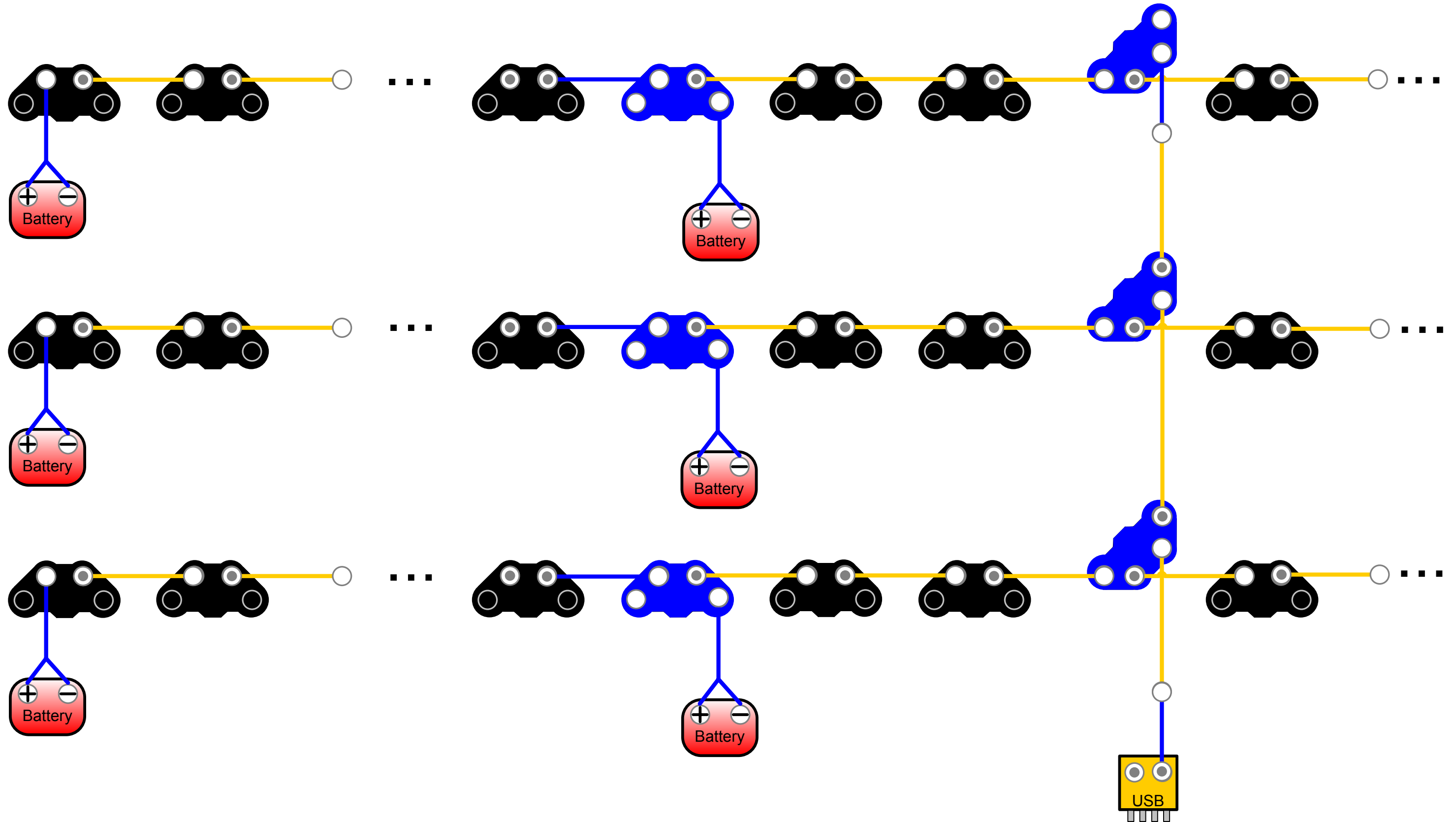
Note: Use a short Power-Line Cable for the parallel connection (max. 5m)

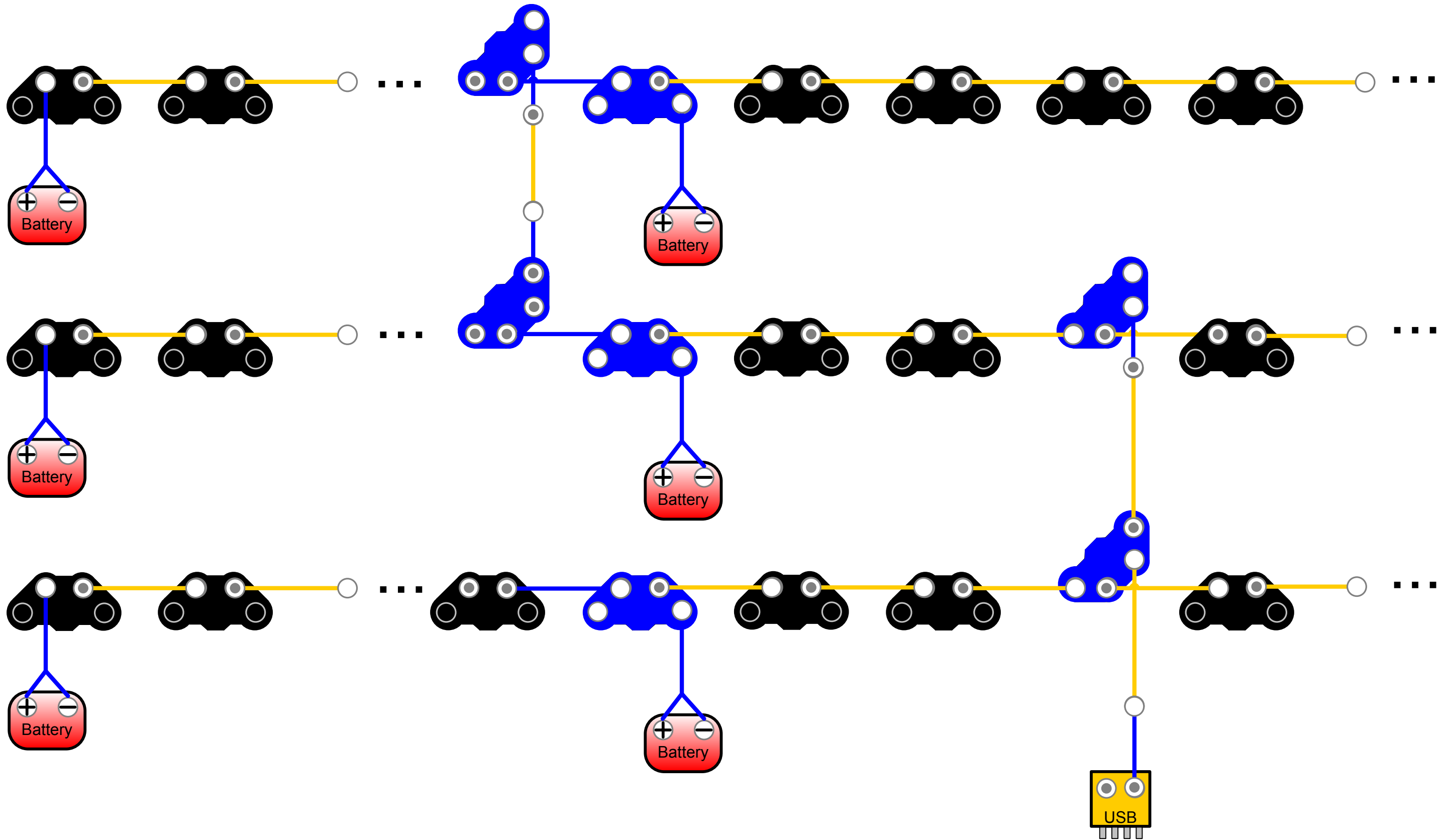


Repeater Units can be used as cross units as well. No special configuration is required.

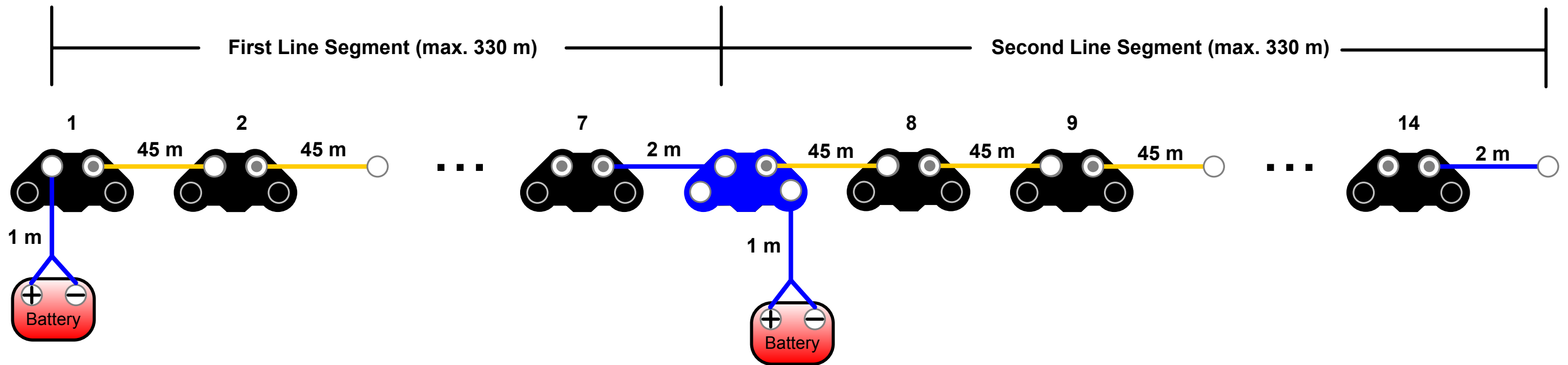
Note: Usually, cross line segments do not need an external power supply as only data is transferred.



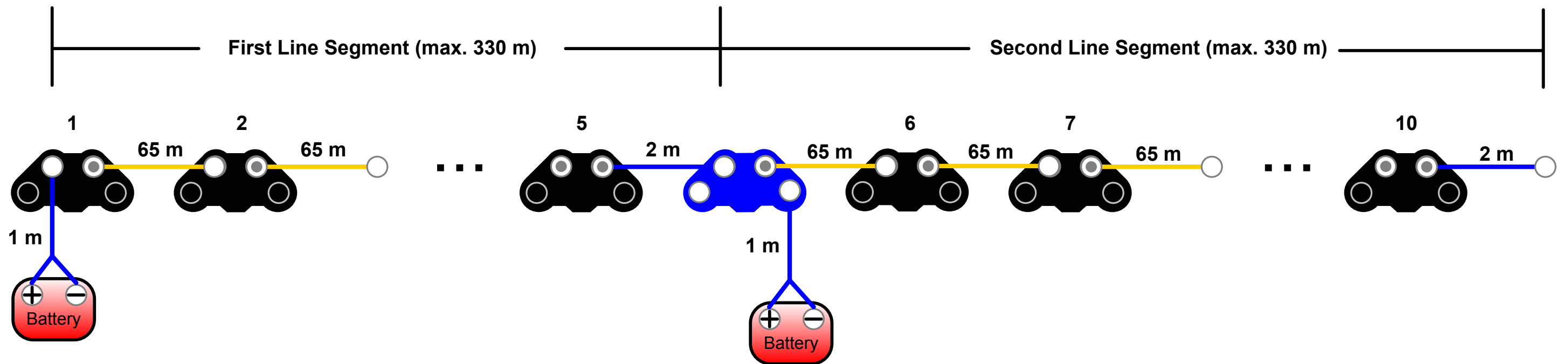




Summit 2-D Spread with 20m geophone space



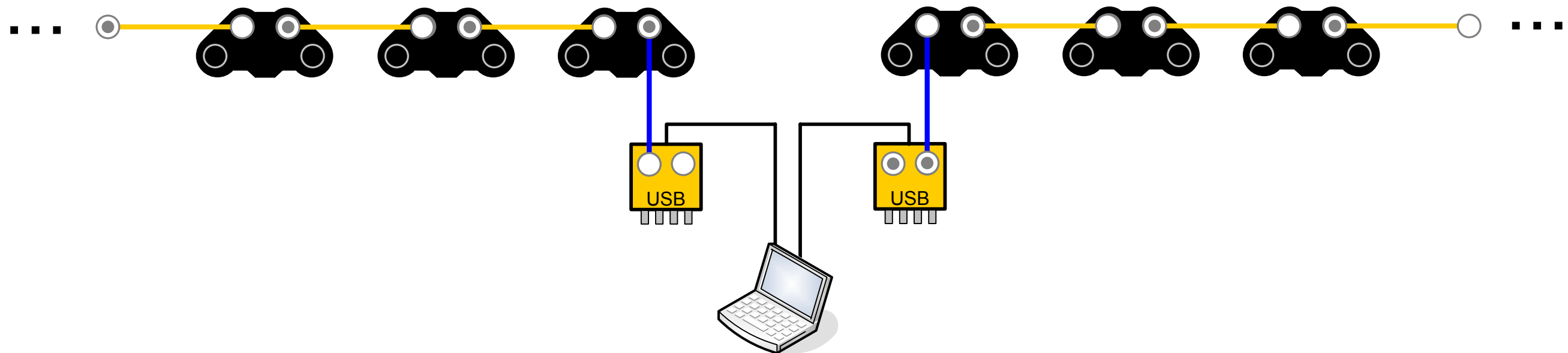
Summit 2-D Spread with 30m geophone space



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.

