

LEDsGO®

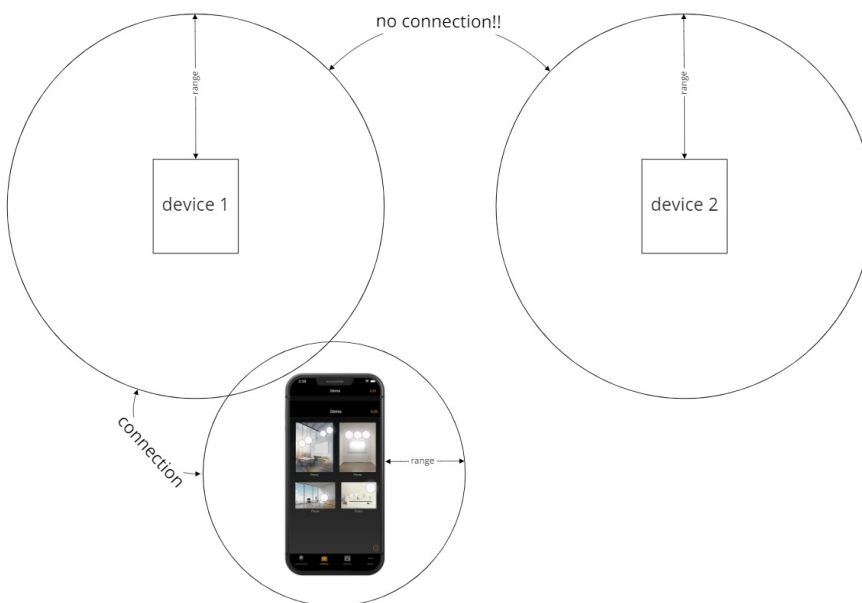
What is a Repeater

A repeater is an electronic device that receives and retransmits a signal. Repeaters are used to extend the transmission so that the signal can travel greater distances or be received on the other side of an obstacle.

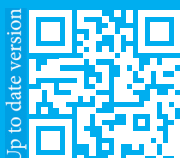


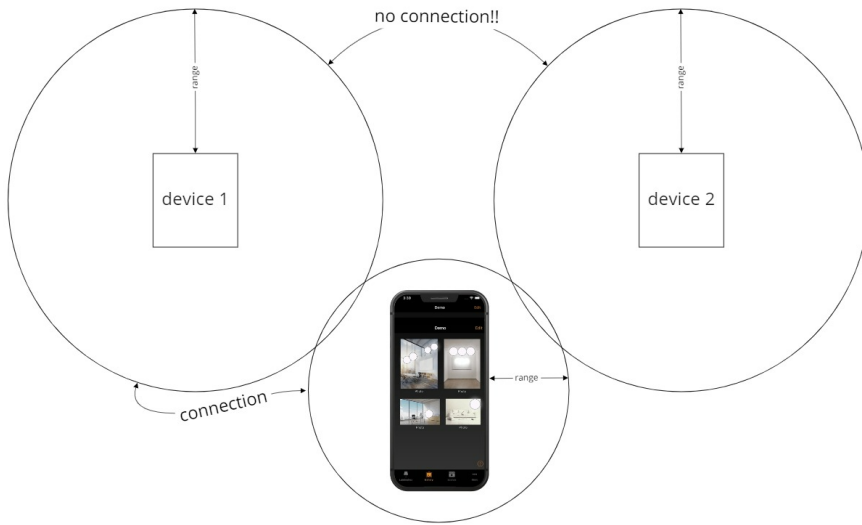
How does it work

Devices 1 has connection but 2 is too far away to have connection. The mobile device connects to device 1. Now you can control device 1 since he has connection. device 2 cannot be controlled since it has no connection to device 1.

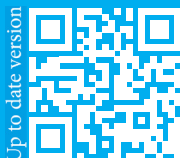
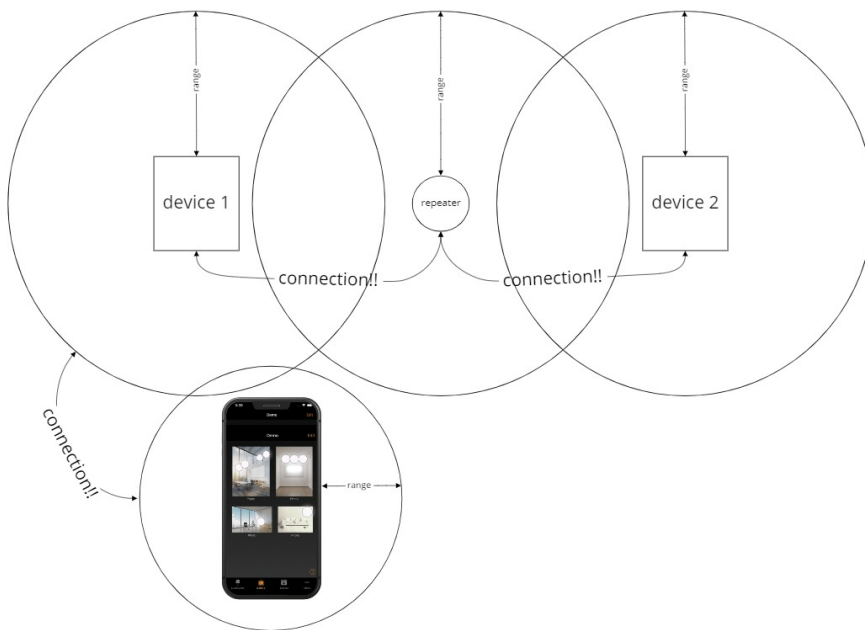


When you move the mobile device close to device 2, the mobile device still has connection to device 1 as long as it is within the range. Now you can control device 1 since they have connection. device 2 cannot be controlled since it has no connection to device 1. As long as the mobile device is connected to device 1 it will not try to connect to any other device.

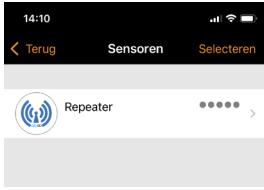




These devices form a working mesh network. Device 1 is connected to the repeater that connects to device 2. The mobile device then connects to one of the devices (in this case, device 1) and all devices can be controlled. If you move the mobile device, it will remain connected to device 1 as long as device 1 is within range. If the connection between the mobile device and device 1 is lost, the phone starts searching for a device that is within range.



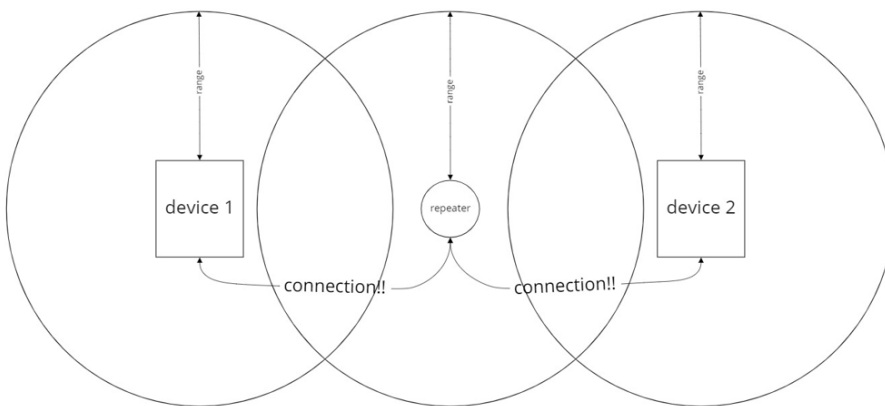
How to add the repeater to the app?



When you add the repeater to your network, you will see the repeater between the sensors. You just need to add the repeater to your network. The repeater will automatically connect to the devices that are in range, so you can connect to the device that was not able to connect due to the space between the devices.

Possible solutions offered by the repeater

A first solution that the repeater offers is the most common. Place the repeater between 2 luminaires that are to far appart from each other.



An other solution is to place the repeater near a passage with luminaires on either side of a difficult-to-permeable object (thick walls). Or 'device 1' on 'floor 1' and 'device 2' on 'floor 2'

