

Bluetooth Wireless Light Control

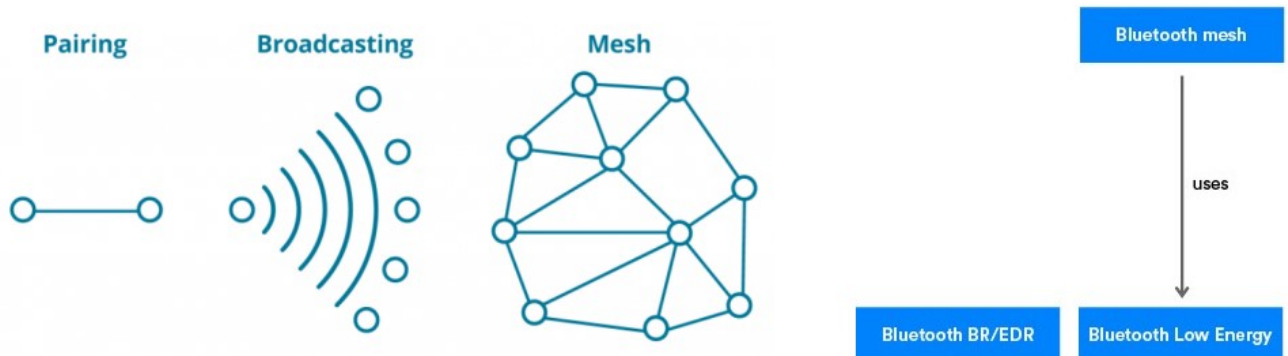
TIOSL control system is based on **Bluetooth wireless communication technology**.

For Bluetooth we have contacted a lot in our daily life.

When we use Bluetooth, the first step is to be paired.

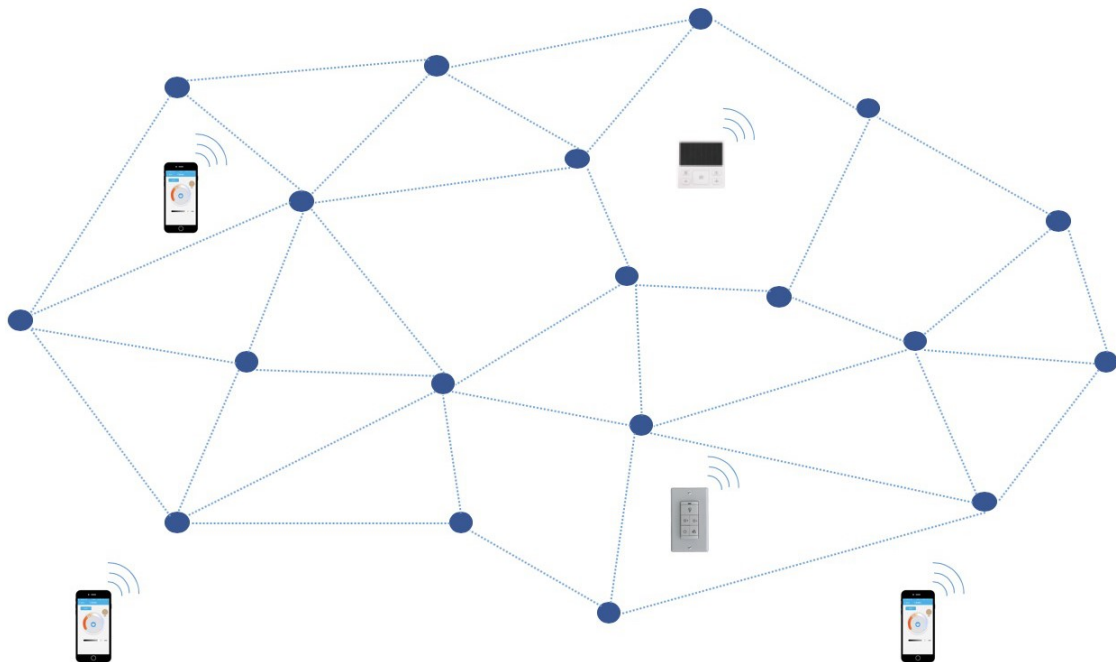
For traditional one, it is single to single to be paired.

But for **Bluetooth Low Energy (BLE)**, it is single to many to form a mesh by broadcasting.



What is BLE?

Called Bluetooth Low Energy Technology, which is a **wireless** technology of **low cost, short distant transmission** and **great interoperability**, using many intelligent ways to lower the energy consumption to the great extend.



BLE working way:

- **Bluetooth works in the form of a mesh network.**
- **The point in the picture is equivalent to a light.**
- **They can be operated by the mobile phone, physical switches and other controllers.**
- **You can control the lights in the whole network.**
- **The lights are connected to each other, the damage of one light won't affect the others.**

The advantages of using Bluetooth control system:

- **Using wireless BLE mesh network, high technology, no gateway, it is quick to apply**
- **Directly connecting mobile App, installing and playing, it is easy to operate;**
- **Only power line needed, installation overhead saves it;**
- **Supporting area&group&scene control, convenience comes it;**
- **DLC&NLC certified, it is more energy saving and environment friendly;**
- **Occupancy sensor and photon sensor, interacting to maintain comfortable lighting;**
- **Supporting circadian, human orientation, more healthy and comfortable;**
- **No registration, no password, users' autonomous control authority, high privacy protection;**
- **Innovative wireless adaptation technology, it is easy to search and set**
- **High reliability and high conformity for wireless control**
- **Accurate dimming calculation, super low power consumption switch**