

Component

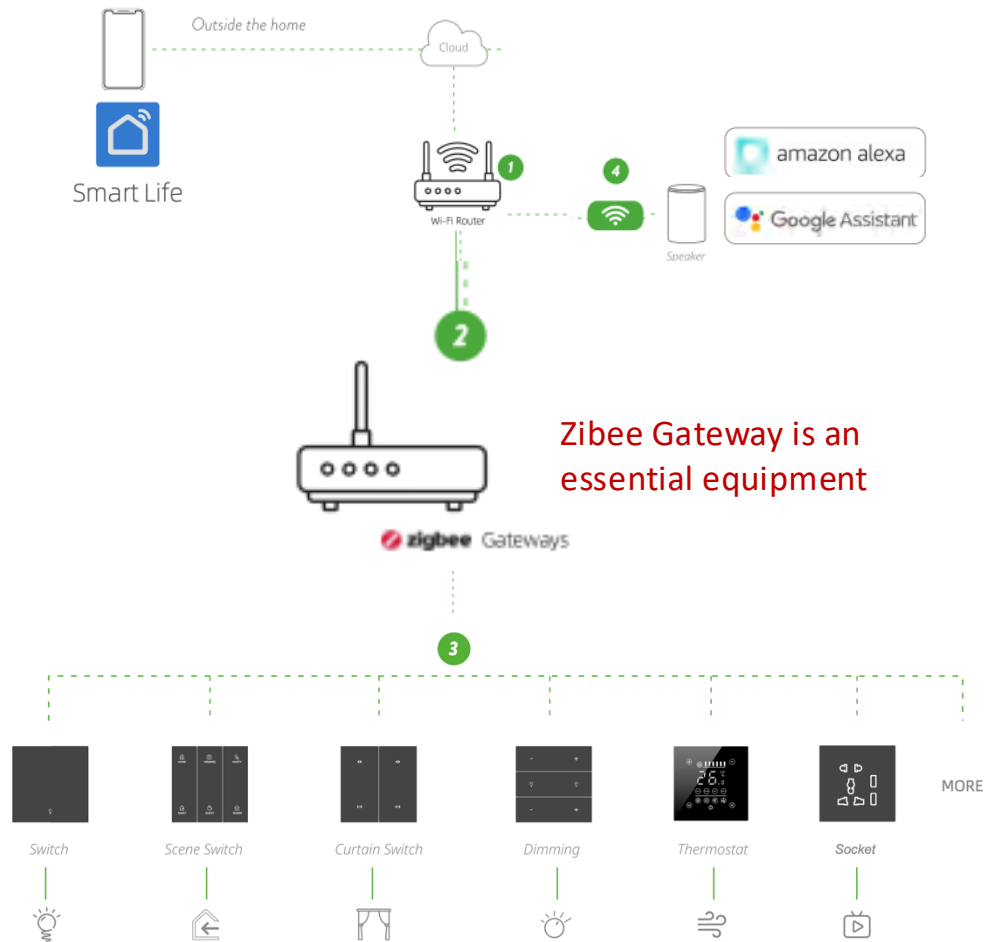


LAN port to Home WIFI Router USB power port



Network Cable USB-Type C cable

How is the Network Setup ?



Zigbee Gateway is an essential equipment

- 1** Your home Wifi router connect to Internet and other non-Zigbee device e.g. mobile phone / Alexa Devices
- 2** Gateway, is the Zigbee coordinator that keeps all the home smart device configuration and stay connected. It is essential piece of equipment.
- 3** Zigbee devices : smart switch, smart socket, dimmer are all connected to Gateway.
- 4** Voice control works via. Wifi then Zigbee to control smart home device



What is Zigbee and Why ?

- **is a wireless communication technology** used in smart homes and buildings (similar to Bluetooth)
- Low power consumption, 2.4GHZ
- Mesh networking (fig.1) means **no single point of failure**
- Works well even in **large homes or multi-storey buildings**
- Enable to connect more than 200 devices with single gateway
- Commands execute **almost instantly**
- Uses a **separate network**, not competing with home Wi-Fi
- Many products are compatible to Zigbee

Zigbee	vs	Wi-Fi
Designed for smart devices		Designed for internet data
Low power consumption		High power consumption
Mesh network		Point-to-point
Very stable		Can be congested with load of devices
Requires a Zigbee hub		Direct to router

Zigbee Mesh networking explained (fig.1)

