

## Homedork's Local hub and Server communication protocol document

### Abbreviations

- 1) Local Hub – **LB**
- 2) Database Server – **DBS**

### Communication method

TCP socket connection

### Communication format

OBJECT:OBJECT\_ID:ACTION\_VALUE

ACTION\_VALUE → **ON** or **OFF** in terms of **STATE**. Double value range(101) for **LEVEL**.

OBJECT -> LAMP, FAN, CURTAIN, THERMOMETER,...

### Action: Client → Web or mobile app

- User turn's **device** on:
  - Server writes : **D:deviceId:ON**
- User turn's **device** off:
  - Server writes : **D:deviceId:OFF**
- User changes **device** level:
  - Server writes : **D:deviceId:44**

### Action: User → on physical LB

- Turn device on:
  - LB writes : **D:deviceId:ON**
- Turn device off:
  - LB writes : **D:deviceId:OFF**
- Changes device level with physical nob :
  - LB writes : **D:deviceId:44**