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

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

Action: User → on physical LB

o   Turn device on:
   ▪ LB writes : **D:deviceId:ON**
o   Turn device off:
   ▪ LB writes : **D:deviceId:OFF**
o   Changes device level with physical nob :
   ▪ LB writes : **D:deviceId:44**
o   Add new device:
   ▪ Format : NEW_DEVICE:DEVICE_TYPE:USER_ID
   ▪ LB writes : **ND:deviceType:userId**