# **Project SOne Serial Decoding Documentation**

Hotte Shen | October 15, 2021



Note: for each button touch, the same bytearray is repeated 3 times with 200ms interval, thus, it takes 400ms and a little more for one transmission.

M
Heater on +1
LightAC on +2
Light2 on +4
N
Power on 1
Power off 9

Actions

09

1

(5) celcius value (6) fahrenheit value **Set Temperature**  0x00 for 0%, 0x1E for 30%, 0x32 for 50% 0x46 for 70%, 0x64 for 100%

- (10) Heater 1 level in %
- (11) Heater 2 levle in % (12) Heater 3 level in %
- Heater Levels

11

10

00

els System Status

13

# 0 cc

# Start Byte

(0) always 0xCC

#### Set Time

00

2

- (2) set time in minutes
- (3) automode set time in hours
- (4) automode set time in minutes

# Other Actions

00

setting temperature

(7) 0x01

setting time

- 7) 0x02
- (9) 0x01

setting time in automode

- (7) 0x03
- (9) 0x00 for entering automode, 0x02 for hours chage, 0x04 for minutes change

### Light 1

(13) lighting mode between 0x00 - 0x08

#### Checksum

(15) custom checksum

**15** 67

WARNING!

Unclear yet
Maybe related to
the status coming
from the box

0x42 for off

status

14

0xC2 for heating

0x82/0x02 unclear

(14) heater and system

[Sum[(1)..(14)] - 138] mod 256