```
Heating         55 AA 00 06 00 08 02 02 00 04 00 00 00 46 5B
Eco on          55 AA 00 06 00 05 05 01 00 01 01 12
Eco off         55 AA 00 06 00 05 05 01 00 01 00 11
Lock            55 AA 00 06 00 05 06 01 00 01 01 13
Unlock          55 AA 00 06 00 05 06 01 00 01 00 12
Auto mode       55 AA 00 06 00 05 04 04 00 01 00 13
Manual mode     55 AA 00 06 00 05 04 04 00 01 01 14
TempRequ05C     55 AA 00 06 00 08 02 02 00 04 00 00 00 0A 1F
TempRequ21C     55 AA 00 06 00 08 02 02 00 04 00 00 00 2A 3F
TempRequ35C     55 AA 00 06 00 08 02 02 00 04 00 00 00 46 5B

Default:
Workday
Setting 1 (inHouse)  >  6:00 / 20C
Setting 2 (outHouse) >  8:00 / 15C
Setting 3 (inLunch)  > 11:30 / 15C
Setting 4 (outLunch) > 13:30 / 15C
Setting 5 (inHouse)  > 17:00 / 22C
Setting 6 (night)    > 22:00 / 15C

Saturday
Setting 1 (inHouse)  >  6:00 / 20C
Setting 2 (outHouse) >  8:00 / 20C
Setting 3 (inLunch)  > 11:30 / 20C
Setting 4 (outLunch) > 13:30 / 20C
Setting 5 (inHouse)  > 17:00 / 20C
Setting 6 (night)    > 22:00 / 15C

Sunday
Setting 1 (inHouse)  >  6:00 / 20C
Setting 2 (outHouse) >  8:00 / 20C
Setting 3 (inLunch)  > 11:30 / 20C
Setting 4 (outLunch) > 13:30 / 20C
Setting 5 (inHouse)  > 17:00 / 20C
Setting 6 (night)    > 22:00 / 15C
```

```
55 AA 00 06 00 3A 65 00 00 36 00 06 28 00 08 1E 1E 0B 1E 1E 0D 1E 00 11 2C 00 16 1E 00 06 28
00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E 00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00
16 1E 0D
```

Modes – Fan Model
```
55 AA 00 06 00 05 66 04 00 01 00 75 cooling
55 AA 00 06 00 05 66 04 00 01 01 76 heating
55 AA 00 06 00 05 66 04 00 01 02 77 ventilation
```

Schedules - Fan model
```
55 AA 00 06 00 3A 68 00 00 36
00 06 32 00 08 32 1E 0B 32 1E 0D 32 00 11 32 00 16 32
00 06 32 00 08 32 1E 0B 32 1E 0D 32 00 11 32 00 16 32
00 06 32 00 08 32 1E 0B 32 1E 0D 32 00 11 32 00 16 32
FC
```

Per unit |MM HH TT|

```
55 AA 00 06 00 3A 65 00 00 36|
00 06 28|00 08 1E|1E 0B 1E|1E 0D 1E|00 11 2C|00 16 1E|
00 06 28|00 08 28|1E 0B 28|1E 0D 28|00 11 28|00 16 1E|
00 06 28|00 08 28|1E 0B 28|1E 0D 28|00 11 28|00 16 1E|
0D
```

Workday / Setting 1 > 7:00 / 20C
```
55 AA 00 06 00 3A 65 00 00 36
00 07 28 00 08 1E 1E 0B 1E 1E 0D 1E 00 11 2C 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E 0E
```

Workday / Setting 1 > 6:05 / 20C
```
55 AA 00 06 00 3A 65 00 00 36
05 06 28 00 08 1E 1E 0B 1E 1E 0D 1E 00 11 2C 00 16 1E
```

```
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E 12

Workday / Setting 1 > 6:00 / 21C
55 AA 00 06 00 3A 65 00 00 36
00 06 2A 00 08 1E 1E 0B 1E 1E 0D 1E 00 11 2C 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E 0F

Workday / Setting 2 > 7:00 / 15C
55 AA 00 06 00 3A 65 00 00 36
00 06 28 00 07 1E 1E 0B 1E 1E 0D 1E 00 11 2C 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E 0C

Workday / Setting 3 > 11:29
55 AA 00 06 00 3A 65 00 00 36
00 06 28 00 08 1E 1D 0B 1E 1E 0D 1E 00 11 2C 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E 0C

Saturday / Setting 1 > 7:01
55 AA 00 06 00 3A 65 00 00 36
00 06 28 00 08 1E 1E 0B 1E 1E 0D 1E 00 11 2C 00 16 1E
01 07 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E 0F

Sunday / Setting 3 > 12:00
55 AA 00 06 00 3A 65 00 00 36
00 06 28 00 08 1E 1E 0B 1E 1E 0D 1E 00 11 2C 00 16 1E
00 06 28 00 08 28 1E 0B 28 1E 0D 28 00 11 28 00 16 1E
00 06 28 00 08 28 00 0C 28 1E 0D 28 00 11 28 00 16 1E F0

unknown command after power up
55 AA 00 03 00 01 00 03
```

product id?
           55 AA 00 04 00 00 03 48 E1 76 FC 08 9D 0E 8C 8D 91 CE 8C 8D D6 CE EC DD BB 0A
A0 88 F9 E8 20 08 CE 57 44 B2 4D 3A 4B 6B B4 9C F4

           55 AA 00 04 00 00 03 48 E5 62 FC 28 29 A7 F4 5C 31 F4 F4 CA 31 94 0A E6 85 0C
9E A1 BE 8C 33 B4 C6 DD 68 F8 C1 E8 C7 68 49 A4 F8 FC

Nach dem koppeln x-mal wiederholt
           55 AA 00 1C 00 08 01 13 02 0F 08 3A 0A 05 99

Device messages after power up

Power on
55 AA 01 07 00 05 01 01 00 01 01

Power off
55 AA 01 07 00 05 01 01 00 01 00

Actual Temperature 22C (2C)
55 AA 01 07 00 08 03 02 00 04 00 00 00 2C
<mark>? Heating off??</mark>
55 AA 01 07 00 08 66 02 00 04 00 00 00 00
55 AA 01 07 00 08
66 02 00 04 00 00
00 00

?Einrichten
55 AA 00 03 00 01
01 04

15.2.2019, 14:08:31   node: 216e69aa.a808f6

lotte/livingroom/thermostat : msg.payload : Object

▼ object
   message: "55 aa 01 07 00 08 02 02 00 04 00 00 00 37"

15.2.2019, 14:09:17   node: 216e69aa.a808f6

lotte/livingroom/thermostat : msg.payload : Object

▼ object
   message: "55 aa 01 07 00 08 03 02 00 04 00 00 00 31"

15.2.2019, 14:09:17   node: 216e69aa.a808f6

lotte/livingroom/thermostat : msg.payload : Object

▼ object
   message: "55 aa 01 07 00 08 66 02 00 04 00 00 00 00"

```
55 AA 00 03 00 01 02 05 62 E1 56 FC 08 99 8E 8C 8D 91 CE 65 63 C6 CE CC DD D7 A5 46 88 F8 E8 20 08 CE 57 44 B2 C1 E9 E8 51 59 94 F0
55 AA 00 01 00 00 00
55 AA 00 02 00 00 01
55 AA 00 08 00 00 07
55 AA 00 03 00 01 02 05
55 AA 00 03 00 01 02 05
55 AA 00 03 00 01 03 06
55 AA 00 1C 00 08 00 00 00 00 00 00 00 00 23
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 32 05 BB
[...]
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 32 05 BB
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 33 05 BC
[...]
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 33 05 BC
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 34 05 BD
[...]
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 34 05 BD
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 35 05 BE
[...]
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 35 05 BE


16:03/04 day 5

55 AA 00 00 00 00 FF    55 AA 00 00 00 00 FF 55   .U......U......U
00000040 AA 00 01 00 00 00 55 AA    00 02 00 00 01 55 AA 00   ......U......U..
00000050 08 00 00 07 55 AA 00 03    00 01 02 05 55 AA 00 03   ....U.......U...
00000060 00 01 02 05 55 AA 00 03    00 01 03 06 55 AA 00 03   ....U.......U...
00000070 00 01 03 06 55 AA 00 00    00 00 FF 55 AA 00 00 00   ....U......U....
00000080 00 FF 55 AA 00 06 00 05    01 01 00 01 00 0D 55 AA   ..U...........U.
00000090 00 06 00 05 01 01 00 01    01 0E 55 AA 00 00 00 00   .........U.....
000000a0 FF 55 AA 00 00 00 00 FF    55 AA 00 00 00 00 FF 55   .U......U......U
000000b0 AA 00 00 00 00 FF 55 AA    00 06 00 05 01 01 00 01   ......U.........
000000c0 00 0D 55 AA 00 06 00 05    01 01 00 01 01 0E 55 AA   ..U...........U.
000000d0 00 00 00 00 FF 55 AA 00    06 00 05 06 01 00 01 01   ....U..........
000000e0 13 55 AA 00 00 00 00 FF    55 AA 00 06 00 05 06 01   .U......U.......
000000f0 00 01 00 12 55 AA 00 00    00 00 FF 55 AA 00 00 00   ....U......U....
00000100 00 FF 55 AA 00 00 00 00    FF 55 AA 00 00 00 00 FF   ..U......U......


Setting of date and time
                ?? YY MM DD HH MM SS Weekday
                01 19 02 15 16 04 18 05
55 AA 00 1C 00 08 01 13 02 0F 10 04 12 05 73

                   19 02 15 15 45 50 05
55 AA 00 1C 00 08 01 13 02 0F 0F 2D 32 05

                   19 02 15 08 58 10 05
55 AA 00 1C 00 08 01 13 02 0F 08 3A 0A 05 99

Antwort nach erfolreichem Setzen
55 aa 01 00 00 01 01
55 aa 01 00 00 01 01
```

Query Product Information
55 aa 00 01 00 00 00
MCU-Response (product key + mcu version (5 chars, e.g. 1.0.0))
55 aa 01 01 00 15 49 41 59 7a 32 57 4b 31 74 68 30 63 4d 4c 6d 4c 31 2e 30 2e 30

Pairing mode (5sec down Button) (Initial command comes from MCU after pressing button)
55 aa 01 04 00 00
After request of pairing mode,
send
55 aa 00 03 00 01 00 > MCU-response 55 aa 01 03 00 00
to get in pairing mode (blinking display and wifi symbol)
send
55 aa 00 03 00 01 02 > MCU-response 55 aa 01 03 00 00
to get back in normal working mode
(Note: to get in pairing mode, button must be pressed > 5 sec. After power up of unit, the commands fail without response)

State query
55 aa 00 08 00 00

MCU-response

Power state (Off)
55 aa 01 07 00 05 01 01 00 01

Required temperature (24.5C)
55 aa 01 07 00 08 02 02 00 04
Actual temperature (23.0C)
55 aa 01 07 00 08 03 02 00 04
Mode (Manual)
55 aa 01 07 00 05 04 04 00 01
Eco-Mode (off)
55 aa 01 07 00 05 05 01 00 01
Lock-State (unlocked)
55 aa 01 07 00 05 06 01 00 01
Time schedule
55 aa 01 07 00 3a 65 00 00 36
00 06 28 00 08 1e 1e 0b 1e 1e
00 06 28 00 08 28 1e 0b 28 1e
00 06 28 00 08 28 1e 0b 28 1e
??
55 aa 01 07 00 08 66 02 00 04
??
55 aa 01 07 00 05 68 01 00 01
00
00 00 00 31
00 00 00 2e
01
00
00
0d 1e 00 11 2c 00 16 1e
0d 28 00 11 28 00 16 1e
0d 28 00 11 28 00 16 1e

```
00 00 00 00
01
55 aa 01 07 00 08 66 02 00 04 00 00 00 00
55 aa 01 07 00 05 68 01 00 01 01
```

Working mode:
Send
```
55 aa 00 02 00 00
```
MCU-Response
```
55 aa 01 02 00 00 > MCU processing with the module
```