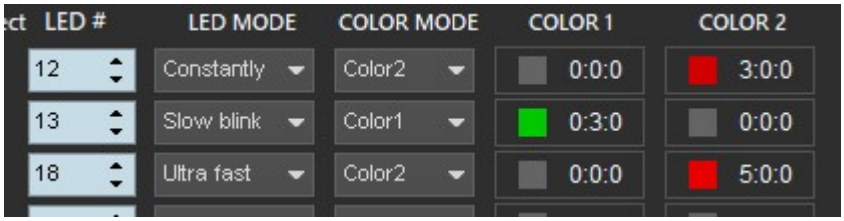
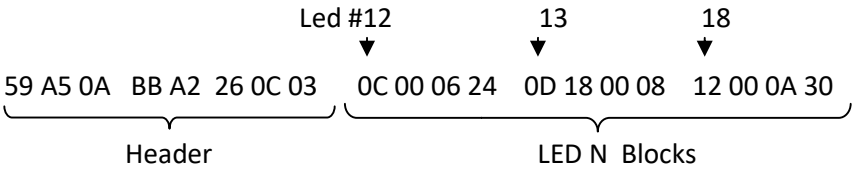
Protocol for LEDs control

Test Sample for 3 LEDs:



Control Feature Report (data in hex):

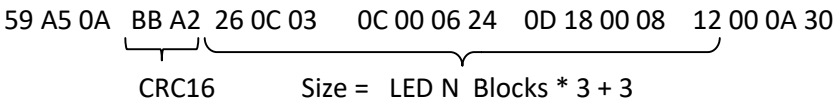


Max Feature Report Length – 128 bytes

Max. of LED Blocks : (128-8) /4 = 30

Header (before fw 2.08.5):

CRC-16/MODBUS 0xFFFF init



Header (fw 2.08.5+):

LED Block (4 bytes)

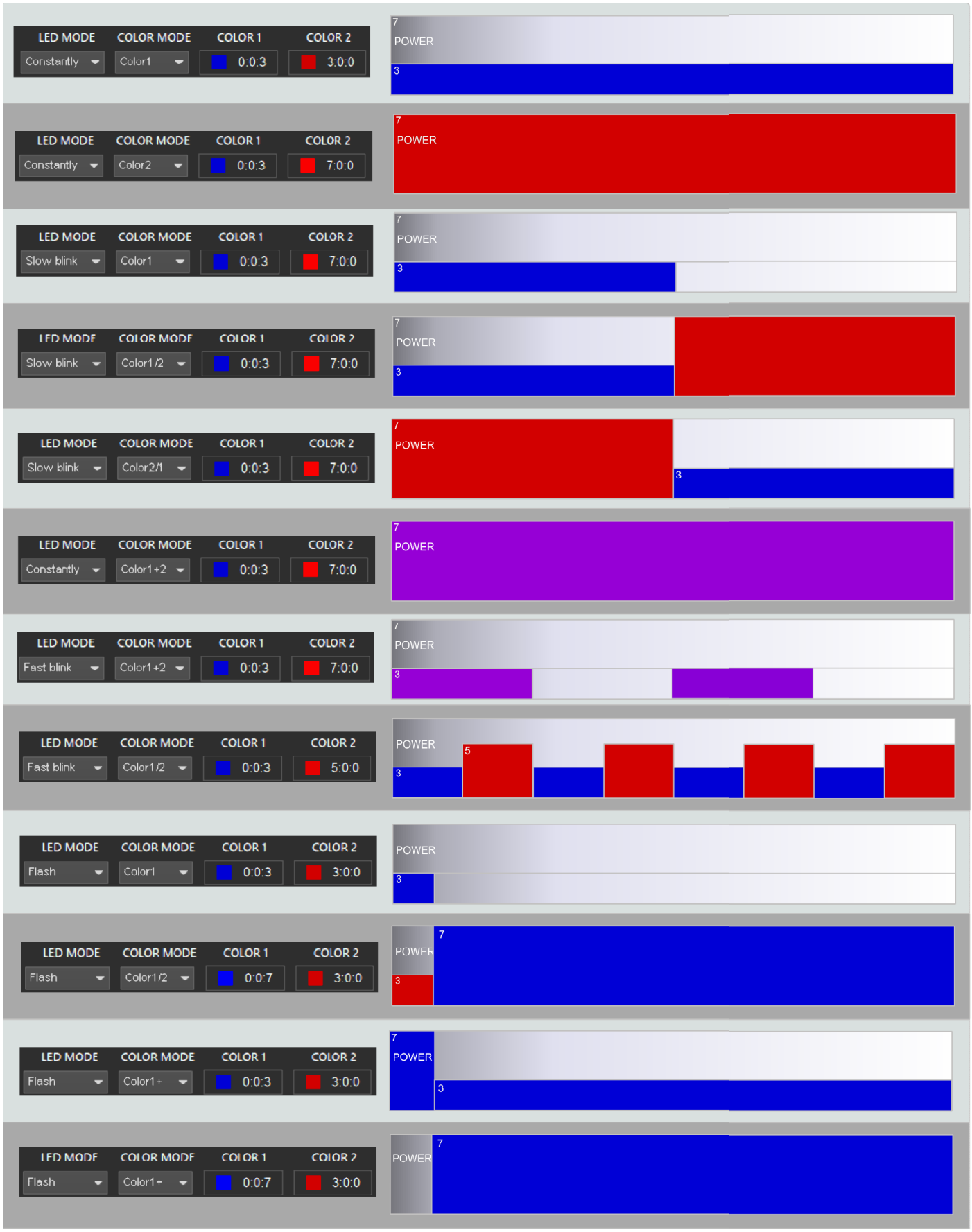
LED Data structure:

```
Color1 R    :3 bit
Color1 G    :3 bit
Color1 B    :3 bit
Color2 R    :3 bit
Color2 G    :3 bit
Color2 B    :3 bit
MODE        :3 bit      0 – OFF,  1 – Constantly,  2 - Blink slow, 3 - Blink FAST,  4-  Blink ULTRA-FAST
ColorMode :3 bit        0 -C1, 1-C2,  2-C1/c2,  3-C2/C1,  4-C1+C2
```

If physical LED is bicolor - uses Color1 for one color and Color2 for another

If LED is RGB - Color1 / Color2 can use a mixed palette.

LED Mode diagrams:



* External devices(modules) may not support all modes !