

## Bug report

While using the display driver a bug was noticed that can blank the display. The cause of the problem was that the EEPROM had not been setup correctly.

Location 0x3FB is used to set the brightness. The main routine reads this location and sets the initial brightness accordingly. If it does not recognise the value that it reads the display remains blank.

An extra line has therefore been added in the section of the main routine that starts the multiplexer. This section is reproduced below minus the comments and the additional line is highlighted in bold

```
/******Start multiplexer*****/
sei();
T0_interrupt_cnt = 0;
TIMSK0 |= (1 << TOIE0);
switch(eeprom_read_byte((uint8_t*)0x3FB)){
    case 0xFF: timer_T0_sub_with_interrupt(T0_delay_2ms); break;
    case 0xFE: timer_T0_sub_with_interrupt(T0_delay_500us); break;
    case 0xFD: timer_T0_sub_with_interrupt(T0_delay_125us); break;
    default:    eeprom_write_byte((uint8_t*)(0x3FB), 0xFE);
                timer_T0_sub_with_interrupt(T0_delay_2ms); break;}
}
```