KA–X30/X25/X35 LED Light status

Summary:

Below are the most commonly seen LED lights and their meanings.

X25/X35

1. **Light sensor -** **Sense day and night mode**

2. **LED status light**

The LED is an RGB and is fully Software controlled. The LED is not limited to the examples below and can change depending on software level. The common LED colours are listed below.

When the main battery power (KL30) is applied, the board PMIC will drive the LED *only* in the following conditions:

- Flashing RED led @1Hz is low voltage, below 9V;
- Flashing RED led @2Hz is low temperature, below -40C;
- Flashing RED led @0.5Hz is high temperature, above +85C;

Note. If none of the above conditions is met, then the LED will be off during the main battery power up event.

X30

1. **LED lightbar**

2. **Light sensor**

3. **Battery status LED**

4. **Supply status LED**

Status LEDs

These will flash for a few minutes as the system powers up. If they do not become green and stable, refer to the table on the next page for more information. Note that if the internal battery is flat this may takesome time to recharge.

The **following** is a general guide to the meaning of battery status LED colours.

🟢 Battery fully charged

🟡 Battery partly charged

🔴 Battery flat

🔵 Charging (flashing)

The following is a general guide to the meaning of power supply status LED colours.

🟢 Good Supply

🟡 Low supply

🔴 Very low supply or off

Note: O/O = LEDs flashing between these colours

Battery	Supply	Comments
🟢 ≥ 7.5 V	🟢 ≥ 12.0 V	Normal status
🟢/🔵 ≥ 7.5 V	🟢 ≥ 12.0 V	Battery OK and charging (at power up, the battery LED flashesuntil the battery charge status is determined)
🟡/🔵 7.2 ≤ - < 7.5 V	🟢 ≥ 12.0 V	Battery low and charging
🔴/🔵 < 7.2 V	🟢 ≥ 12.0 V	Battery flat and charging
🟢 ≥ 7.5 V	🟡 9.0 ≤ - < 12.0 V	Battery OK, supply low

🟢/🔵 ≥ 7.5 V	🟡 9.0 ≤ - < 12.0 V	Battery OK and charging, supplylow
🟡/🔵 7.2 ≤ - < 7.5 V	🟡 9.0 ≤ - < 12.0 V	Battery low and charging, supplylow
🔴/🔵 < 7.2 V	🟡 9.0 ≤ - < 12.0 V	Battery flat and charging, supplylow
🟢 ≥ 7.5 V	🔴 < 9.0 V	Battery OK and not charging,supply very low or off
🟢/🔵 ≥ 7.5 V	🔴 < 9.0 V	Battery OK and charging, supplyvery low
🟡/🔵 7.2 ≤ - < 7.5 V	🔴 < 9.0 V	Battery low and charging, supplyvery low
🔴/🔵 < 7.2 V	🔴 < 9.0 V	Battery flat and charging, supplyvery low
🟡 7.2 ≤ - < 7.5 V	🔴 < 9.0 V	Battery low and not charging,supply very low or off
🔴 < 7.2 V	🔴 < 9.0 V	Battery flat and not charging,supply very low or off
🔴/ Off	Off	Power management firmware notinstalled. Reinstall power manager.

LED lightbar

An LED lightbar is displayed at the top of the console. These lightscan be used to monitor the accuracy of auto steering to the set waylines (guidelines). Refer to Setting up the lightbar, page 31.

As the console powers up, the lightbar will show red, green and thenblue.

If the lightbar is set up, the LED lights will display to show the direction and amount of inaccuracy when travelling along a wayline.The distance from a wayline that each LED represents and other factors are established during setup.

- Blue – the vehicle is exactly on the wayline.
- Green – the vehicle is moving from the wayline.
- Orange and Red – the vehicle has moved substantially from the wayline.