

## SatComm LEDs in operating mode

After the power-up sequence, when the controller received time from the SatComm modem, it enters the operating mode. In this mode data packets can be sent and received. Usually in that mode the **Controller Status LED-2 blinks yellow or green.**

### LED-2 Controller Status

The LED-2 should always blink every second. If it does not blink try to recycle power or reset the controller.

Blinks <b>GREEN</b>	All messages had been sent. The controller is idle, receives data from monitors and waits for next report.
Blinks <b>YELLOW</b>	SatComm is process of sending messages.
Blinks <b>RED</b>	Report overflow. The SatComm unit is scheduled to send next report while previous one has not been sent. This usually created by communication problems (antenna, supply). But the overflow can also be created by setpoints report or magnet strike.

### LED-1 Communication Status

The controller communicates with modem, **once a minute when LED-1 blinks orange,** to check the communication status. The communication status is displayed after the short orange blink.

Short blink <b>GREEN then LED Off</b>	It is the modem idle state. All messages had been sent. The LED-2 should blink green.
Stay <b>GREEN</b>	The modem is trying to send a message and is tracking a satellite. The satellite is in the view.
Stay <b>YELLOW</b>	The modem is trying to send a message but is not connected to satellite. There are not good satellites in the view. It can also be in a process of switching from one satellite to another.
Stay <b>RED</b>	The communication between the controller and modem doesn't work correctly. Check the 5-pins connectors. Recycle the power or reset the controller.

### LED-3 RF Status

That LED blinks only when receives data from monitors. Usually it happens very seldom. Sending data can be triggered, for testing, by magnet strike.

Blinks <b>GREEN</b>	Controller receives correct packets from a monitor.
Blinks <b>RED</b>	Controller receives corrupted, unusable packets or the monitors have invalid property code.
Blinks <b>YELLOW</b>	Controller receives packets with wrong checksum but it was able to restore correct data.