

iKommunicate Diagnostic LED Sequences

V1.00

19th Feb 2016

No Power to iKommunicate

- > No LEDs

Normal Boot

- > No LEDs for 1 sec
- > After 1 sec the Yellow and Green RJ45 LEDs flash ON
- > After 2 secs All External LEDs flash ON
- > Then just the external Status LED ON
- > After 5 secs the Error LED will flash quickly while it tries to get an NMEA2000 Bus address
- > At the same time the Status LED will flash slowly as it tries to get an Ethernet IP Address
- > Within 10 secs, if everything is OK, the Status LED will illuminate permanently

No Ethernet Network

- > After 2 secs all external LEDs will flash once
- > The RJ45 LEDs will be permanently OFF
- > After 30 secs the Error LED will flash rapidly a few times while the Status LED flashes slowly
- > The Status LED will illuminate permanently

No DHCP *i.e. connected directly to PC*

- > No LEDs for 2 sec
- > After 2 secs All External LEDs flash ON
- > Then just the external Status LED ON
- > After 5 secs the Error LED will flash quickly while it tries to get an IP address
- > At the same time the Status LED will flash slowly
- > Within 20 secs, the Status LED will illuminate permanently

NOTE - Once iKommunicate has self assigned itself an IP address, it is possible to "find it" on the PC it is connected to (assuming this also has a self assigned IP address) using Bonjour/mDNS or Windows SDDP.

No SD Card

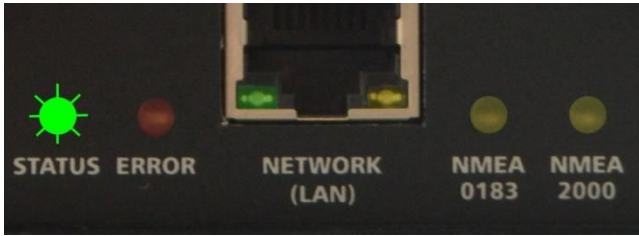
- > Currently no external or internal indication for this condition

No N2K Network Power

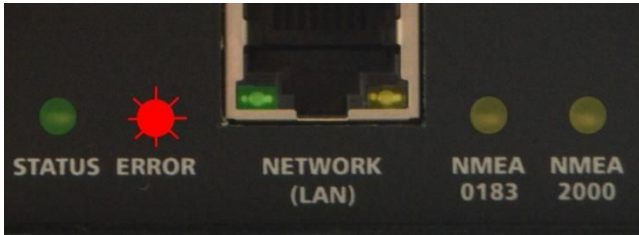
- > No external indication
- > After 30 secs, the Internal LED 7 (Red) will illuminate

No N2K Data but Power and Devices Present

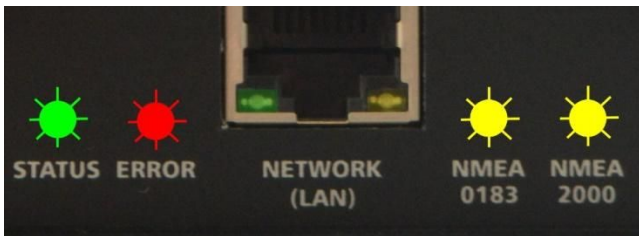
- > No NMEA2000 LED activity at all and internal LED 7 (Red) not illuminated



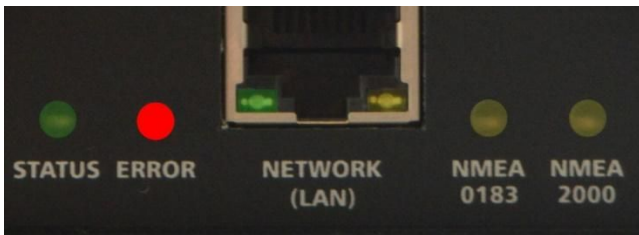
Flashing Status = Acquiring Network IP Address



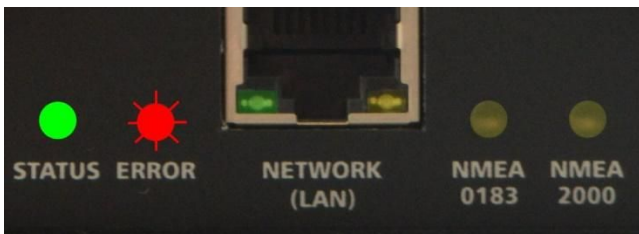
Flashing Error = Acquiring NMEA2000 Address or NMEA2000 network problem



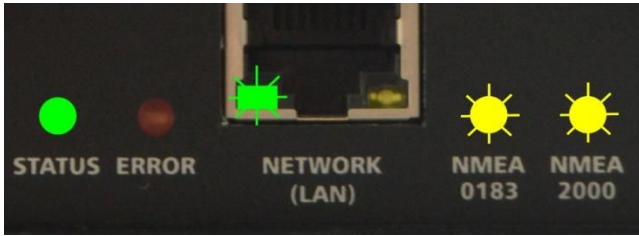
All Flashing = Application has crashed



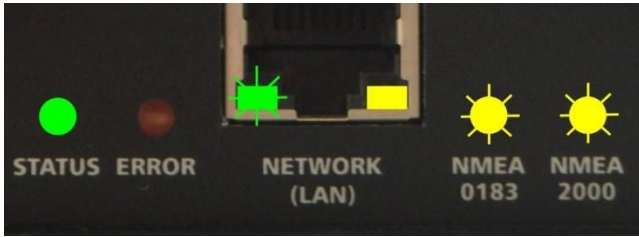
Error ON = a network condition is making it impossible to access iKommunicate



Status ON + Error Flashing = NMEA2000 network no longer available



Normal Operation 10Base-T



Normal Operation 100Base-TX