# frequently asked questions



## Network System Error Codes

**The B&G Network System incorporates a number of Error Codes to help identify and resolve problems. These error codes are as follows:**

### Error 10: NMEA Out Buffer Overflow
The RAM buffer in which the NMEA Output sentences are being created is not large enough.

### Error 11: Stack Overflow
A task has exhausted its allocated space.

### Error 12: Not enough RAM
The program has tried to allocate more RAM than is available. For example, this can occur during run-time RAM allocation when allocating task stack areas and queues.

### Error 13: Task not known
An operating system call has been made with a non-existent task name.

### Error 14: Queue Overflow
A task's input queue has over-flowed.

### Error 15: No Network Message Buffers Available
All buffers are being used. This can happen if the Network communications line is shorted to ground.

### Error 16: Message Buffer Allocation Error
Internal to the system of message buffer allocation.

### Error 17: Network Transmission Failure
There has been an error in the message echo on six consecutive attempts.

### Error 18: Message not Acknowledged
An acknowledgeable message has not been acknowledged after three successive transmissions.

### Error 19: Microprocessor Exception
Caused by an invalid op-code.

### Error 20: Battery Protected RAM Failure
This also can also indicate that a new PROM has been fitted.

Of the above error codes, the most common are 15, 17 and 20. Errors 15 and 17 can normally be attributed to excessive moisture shorting out the cables and connectors on the rear of the displays. Error 20 will appear whenever a software upgrade or battery failure occurs.