

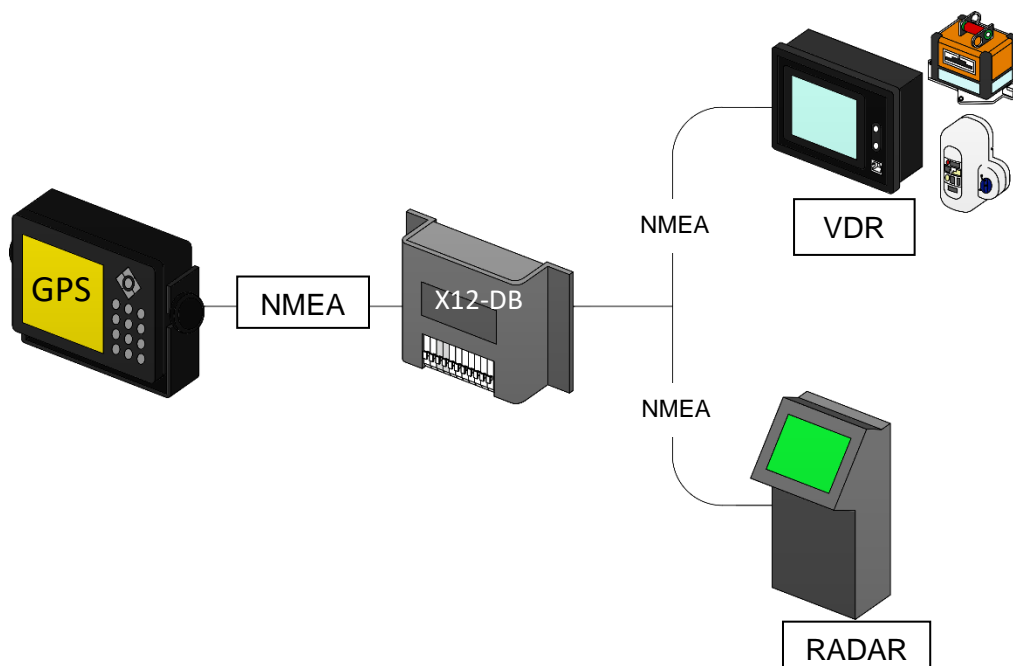
2 CHANNEL DATA BUFFER

The X12-DB Data Buffer is a highly reliable serial data buffer for NMEA 0183 data. The buffer has one input channel, passing data from the source equipment to the multiple destination equipment via two RS422/RS232 channels.

Various serial data types are accepted, including RS422, RS232 and 5V TTL signals, with full DC isolation between input and outputs, with each of the outputs being isolated from each other.

With a small footprint the X12-DB may be installed almost anywhere, and all connections have been designed for ease of use, with little effort required for full termination.

Applications include distribution of data such as GPS, Gyro, AIS, Speed log, to various equipment such as VDR, ECDIS, Radar and BNWAS system with no loss of signal strength.



SPECIFICATIONS

POWER INPUT	Nominal 24vDC
DATA INPUT	1 NMEA Input Port - RS422, RS232, Current loop and 5V TTL Signal High Speed Support, up to 115,200bps
DATA OUTPUTS	2 Output ports - RS422, RS232, 5V TTL High Speed Support, up to 115,200bps
PROTECTION CIRCUITS	<i>Input Port</i> - Over voltage & reverse voltage protection <i>Output Ports</i> - Over current protection and surge voltage protection <i>Input Power</i> - Reverse voltage input protection
INDICATORS (LED)	Input power (Red), Data Out (Orange)
OPERATING TEMPERATURE	15°C ~ +55°C
DIMENSIONS & WEIGHT	90 x 30 x 60mm 100g
STANDARD	NMEA 0183 (IEC61162-1) Standard Compliance RS-422 (ITU-X.27/V.11) Compliance