



NTAC-22 NMEA to Anschutz Coursebus Converter

Installation and User Manual

OVERVIEW

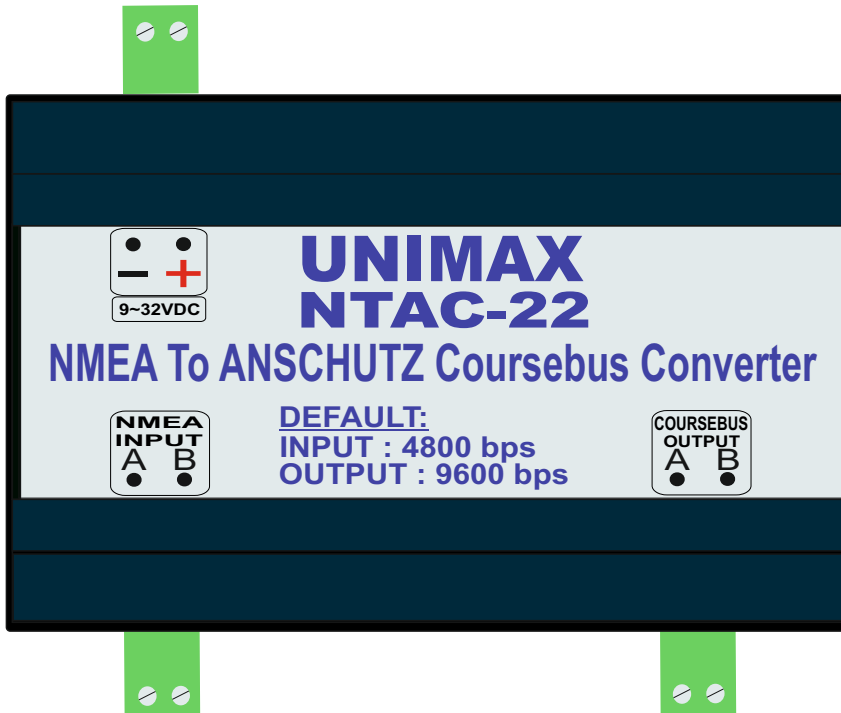
UNIMAX NTAC-22 converts NMEA heading information to Anschutz Standard coursebus data format. In this way, the installed devices are not affected by the replacement. The converter accepts HDT, ROT, THS telegrams to convert signal to Coursebus. If a different NMEA data arrives, the course bus data flow slows down. Therefore, only connect the specified NMEA data to the input port.

Default input speed is 4800bps, output speed is 9600bps. Different speed options can be adjusted with DIP switches on the board.

The white LED indicates whether NMEA data is received. The green LED indicates that the coursebus data has been calculated and sent to the output.

Features:

- 9-32VDC Power supply
- Reversed polarity protection
- NMEA0183, IEC61162 Protocol
- \$xxHDT, \$xxROT, \$xxTHS NMEA Input Data
- Raytheon Anschutz Coursebus Output Data
- 1 X Galvanic isolated Input
- 2 X RS422 Output
- 4800, 9600, 38400, 115200 Input baudrates
- 4800, 9600, 38400, 115200 Output baudrates



NMEA INPUT - COURSEBUS OUTPUT BAUDRATE DIP SW 1 Switch Settings:

NMEA INPUT BAUDRATE	SW1	SW2	COURSEBUS OUTPUT BAUDRATE	SW3	SW4
4800 bps	OFF	OFF	4800 bps	OFF	OFF
9600 bps	ON	OFF	9600 bps	ON	OFF
38400 bps	OFF	ON	38400 bps	OFF	ON
115200 bps	ON	ON	115200 bps	ON	ON

Warning!

The converter accepts only HDT, ROT, THS telegrams to convert the signal into Coursebus data. The presence of other NMEA sentences in the data at the NMEA input may disrupt the transfer of Coursebus data to the output.

LED's mean:

The red LED lights when the board is energized.

The white LED indicates that data is coming from the NMEA input.

The blue LED indicates that the board software is working properly.

When the board is first energized, it flashes 5 times quickly, then flashes at 1 second intervals.

The green LED indicates that the NMEA heading data has been properly received, the data has been converted to coursebus format and sent to the output.

Outline Drawing:

