

FURUNO GPS - OEM / Timing Division

VN-201T (GT-8031) Evaluation Kit

Quick Installation Sheet

Step 1

Connect antenna to VN-201T BNC connector
Mount antenna in a suitable outside location

AU12-5B
GPS antenna

attached
coax
cable

BNC

VN-201T

1
2 TD (Serial Output)
3 RD (Serial Input)
4
5
6 GND
7 TTL (5V) 1PPS
8 GND (power)
9 +12VDC
DSUB-9 (RS232)

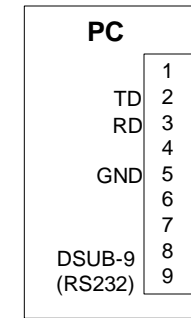
Application Notes:

12 volt power supply required (regulated @1A or higher)
Memory Back-up: >8 years (evaluation kit only)
Communication Method: Full Duplex, Asynchronous
Data Speed: 9600 bps
Data Length: 8 bit
Parity: None
Stop Bit: 1 bit
Code: ASCII Code (NMEA and Furuno proprietary)
Signal Line: TD/RD
Signal Level: RS232
Data: Refer to GT-8031 receiver protocol specifications
See "Specifications Guide" for more information

GT-8031 Parameters

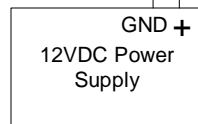
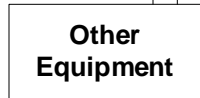
Please refer to the GT-8031 protocol specifications for specific data sentence structure, etc.

Software: "VN201T Monitor Software.exe" program
Setup: Software is preconfigured (GN-77 and 9600 baud)



Step 2

Connect supplied cable to VN-201T and PC serial port
(Note: Use a USB to Serial adapter if required for newer laptops)
Install monitoring software on PC
Confirm software port selection matches PC serial port



Step 3

Connect VN-201T (+) red wire to power supply (+) terminal
Connect VN-201T (-) black wire to power supply (-) terminal
Power on unit and start evaluating

Furuno GPS Division		
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