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|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WinFrog Device Group:</b>                        | <b>GPS</b>                                                                                                                                                                                                                                                                                                                                                     |
| <b>Device Name/Model:</b>                           | <b>NAVSYMM</b>                                                                                                                                                                                                                                                                                                                                                 |
| <b>Device Manufacturer:</b>                         | <b>Symmetricom Navstar Systems Ltd.</b><br>Mansard Close, Westgate<br>Northampton, UK, NN5 5DL<br>Tel: +44 1604 585588<br>Fax: +44 1604 585599<br><b>E-mail: <a href="mailto:navstar@symmetricom.com">navstar@symmetricom.com</a></b><br><br>Available via:<br><b>TDC Interactive</b><br>Stroudley Road,<br>Basingstoke, Hampshire, RG24 8FN<br>United Kingdom |
| <b>Device Data String(s)<br/>Output to WinFrog:</b> | NMEA \$GPGGA Position                                                                                                                                                                                                                                                                                                                                          |
| <b>WinFrog Data String(s)<br/>Output to Device:</b> | Nil                                                                                                                                                                                                                                                                                                                                                            |
| <b>WinFrog .raw Data Record Type(s):</b>            | Type: 303                                                                                                                                                                                                                                                                                                                                                      |

#### **DEVICE DESCRIPTION:**

The NAVSYMM device outputs standard NMEA GGA position data as received from the NAVSTAR series of GPS receivers.

#### **DEVICE CONFIGURATION INSTRUCTIONS:**

Baud Rate: Configurable 300 – 19200 (9600 standard)

Data Bits: 8

Stop Bits: 1

Parity: Odd

The NMEA output is configurable via the CDU port of the receivers. The protocol for configuring via the CDU is 9600-8-odd-1.

#### **WINFROG I/O DEVICES > CONFIG OPTIONS:**

The NAVSYMM is added to WinFrog from the GPS device category. The NAVSYMM device provides only a Position data item. There is no configuration required or available within the I/O Device window.

**WINFROG VEHICLE - DEVICES > EDIT OPTIONS:**

Editing the GPS, NAVSYMM, POSITION data item brings up the same “generic” Configure Position dialog box brought up when editing a standard NMEA GPS device.

For details on this dialog box, see the documentation for the NMEA GPS device.

**CONFIGURATION DETAILS:**

Refer to documentation on the NAVSTAR XR5-M for configuration details.