

|                                                     |                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WinFrog Device Group:</b>                        | <b>GPS</b>                                                                                                                                                                                                                                                                                                                                                     |
| <b>Device Name/Model:</b>                           | <b>NAVSTAR PR (XR5PR)</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> | Pseudorange Data                                                                                                                                                                                                                                                                                                                                               |
| <b>WinFrog Data String(s)<br/>Output to Device:</b> | N/A                                                                                                                                                                                                                                                                                                                                                            |
| <b>WinFrog .raw Data Record Type(s):</b>            | Type: 303                                                                                                                                                                                                                                                                                                                                                      |

#### **DEVICE DESCRIPTION:**

The NAVSTAR XR5PR is similar to the NAVSTAR XR5 with the exception that this unit is used for remote vehicle tracking and outputs only the pseudorange data. The ephemeris data must be supplied via another GPS receiver interfaced to the Master Station/Vehicle.

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

Baud Rate: Configurable 300-19,200 software selectable.  
Data Bits: Configurable  
Stop Bits: Configurable  
Parity: Configurable

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

The Navstar PR (XR5PR) is added to WinFrog from the GPS device category. Only the Pseudorange data item is added along with the NAVSTAR PR device. There is no configuration required or available in the I/O Device window.

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

Only the Pseudorange data item can be added to the vehicle's device list. Required ephemeris data must be supplied from another interfaced GPS receiver.

Editing the GPS,XR5PR,PSEUDORANGE data item brings up the Pseudorange Configuration dialog box, as seen above. Refer to the NovAtel Console GPS device documentation, Configure Pseudorange Calculation section, for information on configuring the Pseudorange Calculation window.

#### **CONFIGURATION DETAILS:**

Refer to the NAVSTAR XR5M device documentation, and the instrument documentation for information on the configuration details for this receiver.