

<b>WinFrog Device Group:</b>	<b>RHO/THETA</b>
<b>Device Name/Model:</b>	<b>Artemis</b>
<b>Device Manufacturer:</b>	CHL NETHERLANDS B.V. Lageweg 16 2222 AG Katwijk P.O. Box 3072 2220 CB Katwijk The Netherlands Phone: +31-71-402 55 14 Fax : +31-71-402 50 78 Email: <a href="mailto:marketing@chl.nl">marketing@chl.nl</a>
<b>Device Data String(s) Output to WinFrog:</b>	
<b>WinFrog Data String(s) Output to Device:</b>	
<b>WinFrog Data Item(s) and their RAW record:</b>	TARGET            530

## ***DEVICE CONFIGURATION INSTRUCTIONS***

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### **WINFROG I/O DEVICES > EDIT I/O:**

Serial  
Configurable Parameters

### **WINFROG I/O DEVICES > CONFIGURE DEVICE:**

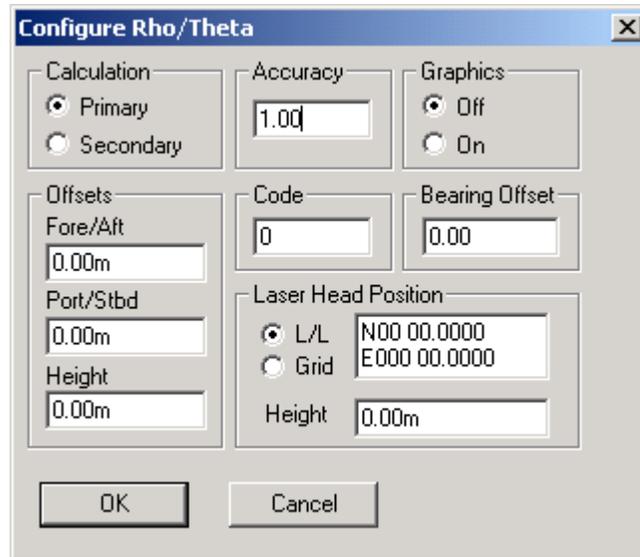
No configuration is required at the I/O Device window level.

### **WINFROG VEHICLE > CONFIGURE VEHICLE DEVICES > DEVICE DATA ITEM > EDIT:**

Adding the Artemis device creates the TARGET data item. Once the data item has been added to the vehicle, it must be edited to suit the application.

### **Data item: RHO/THETA, Artemis, TARGET**

Highlight the TARGET data item in the vehicle's device list and click the Edit button to open the Configure Rho/Theta dialog box as seen below.



In the Calculation section, the default setting is Secondary. Select the Primary option if this device is to be used as the main positioning source.

Enter a realistic accuracy for this device, keeping in mind that the accuracy value entered affects the final filtered position calculated by WinFrog. The smaller the number entered, the more accurate it is deemed to be and the more weight it will be given if combined with other position sources in a weighted mean solution.

Select the Graphics On option to display a square with the device name, at the device's location, in both the Graphics and Bird's Eye windows.

The offsets are entered similar to other devices in WinFrog, i.e. measured from the CRP to the device location.

The Code field is not used by this device, so this can be left at the default value of zero.

In the Bearing Offset field you can enter an angular offset to orient the Artemis device to the local datum.

In the Laser Head Position section, you can enter the coordinates of the Artemis device in either latitude/longitude or Grid format. The height, in the working datum, is entered in the Height dialog box.

### TELEGRAM SPECIFICATION:

Field	Data
1	range
2	horAngle
3	quality