

<b>WinFrog Device Group:</b>	<b>ROV</b>
<b>Device Name/Model:</b>	<b>CABLE TRACKER</b>
<b>Device Manufacturer:</b>	<p>Innovatum International Ltd.  Units 11/12, Woodside Business Park  Thetford Road, Ingham  BURY ST EDMUNDS  Suffolk IP31 1NR, UNITED KINGDOM  Phone: +44 (0)1284 729123  Fax: +44 (0)1284 729133  email: <a href="mailto:info@innovatum.co.uk">info@innovatum.co.uk</a>  <a href="http://www.innovatum.co.uk">www.innovatum.co.uk</a></p> <p>Innovatum Inc.  2020 Southwest Freeway, Suite 203  Houston, Texas 77098 4807  Tel: +1 (713) 526-6333; Fax: +1(713) 526-2555  email: <a href="mailto:innovatum@argolink.net">innovatum@argolink.net</a>  internet: <a href="http://www.innovatum.net">http://www.innovatum.net</a></p>
<b>Device Data String(s) Output to WinFrog:</b>	See Telegram Specification section below.
<b>WinFrog Data String(s) Output to Device:</b>	NONE
<b>WinFrog Data Item(s) and their RAW record:</b>	INNODATA            491

**DEVICE DESCRIPTION:**

This device is designed to read cable burial depth data from the CABLETRACKER unit. In addition to reading a straight burial depth, this device has the option to apply the ROV attitude corrections to the burial depth data.

***DEVICE CONFIGURATION INSTRUCTIONS***

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

Serial  
Configurable Parameters

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

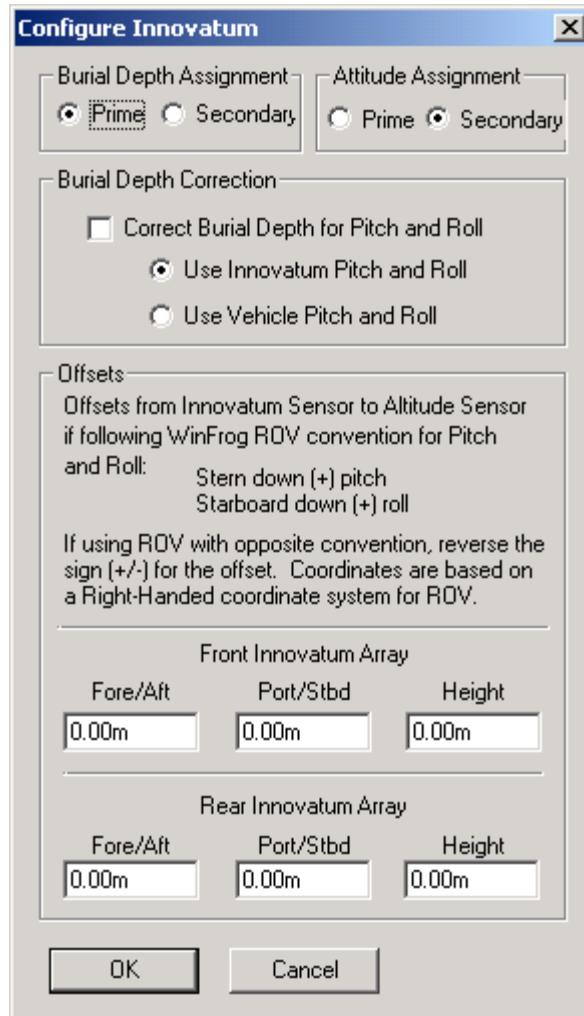
No configuration is required at the I/O Device window level.

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

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

**Data item: ROV, CABLETRACKER, INNODATA**

Highlight the INNODATA data item in the vehicle's device list and click the Edit button to open the Configure Innovatum dialog box as seen below.



**Burial Depth and Attitude Assignments:**

Selecting the Prime radio buttons will permit the Burial Depth, heading, pitch and roll data to be displayed in the Vehicle window, and the data will be available in the 491 raw data record. If Secondary is selected for either the Burial Depth and/or Attitude, data will only be available in the 491 raw data record.

**Burial Depth Correction:**

The Burial Depth can be corrected for pitch and roll using the Innovatum attitude data (if the 80-character record is used); or, via another ATTITUDE system added to the vehicle. Raw data will also be present in the associated records for post processing.

**Offsets:**

The X,Y,Z offsets applied from the CABLE TRACKER Sensor to the Attitude Sensor are input for both the Front and Rear Innovatum Arrays. These offsets are applied as listed in the Configure Innovatum dialog seen above.

Note: It is advised to use the waterline as the vertical CRP reference for the Primary Vehicle when sub-sea positioning devices are employed.

**TELGRAM SPECIFICATION:**

Field	Data
1	trackerTime
2	paramOpt
3	horDisplacement
4	burialDepth
5	horQuality
6	bdQuality
7	?
8	?
9	?
10	?
11	pressure transducer
12	pitch
13	roll
14	event