

WinFrog Device Group:	OUTPUT
Device Name/Model:	GENERIC OUTPUT
Device Manufacturer:	
Device Data String(s) Output to WinFrog:	None
WinFrog Data String(s) Output to Device:	User Configurable
WinFrog Data Item(s) and their RAW record:	No data recorded to RAW files.

DEVICE DESCRIPTION:

This device is a driver designed to allow you flexibility in configuring the data content and format of an output string to be sent out over a serial port. This device is especially useful in situations where no specific driver has been written allowing communications between WinFrog and some other external device or computer. It also allows you to save and load generic output device configuration files which can be useful for repeated setups with similar devices, or several installations with the same devices being used.

DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:

Serial

Configurable Parameters

A device name can be designated in this dialog.

WINFROG I/O DEVICES > CONFIGURE DEVICE:

This device must be configured at the I/O Device window level. In the I/O Devices window, click the device name to select it, then right-click and select Configure Device. The Config Output String dialog box appears, as seen below.

Config Output String

List of Items to Output (max 15)

- NAV - Vehicle Name
- NAV - Time of Day
- NAV - Date

Available Items

- ATTD - Pitch
- ATTD - Roll
- EVENT - Number
- POS - Latitude (DD)
- POS - Latitude (DDD)
- POS - Longitude
- POS - Easting
- POS - Northing
- POS - Height
- POS - Age of Position
- POS - Position Quality
- POS - Standard Error/HDOP
- NAV - Heading
- NAV - Course Over Ground
- NAV - Speed
- NAV - Speed Through Water
- NAV - Water Depth
- NAV - Wind True Dir

Header Data

☐ Use Header (max 8 chars)

Hemisphere Indicator

- ☒ None
- ☐ Before/with delimiter
- ☐ Before/no delimiter
- ☐ After/with delimiter
- ☐ After/no delimiter

Output Field Identifier

- ☐ Add
- ☒ None

Geographic Coordinate

- ☐ DD.DDDDDD
- ☐ DDMM.MMMM
- ☒ DDMMSS.SSS

Grid/Distance

- ☒ Meters
- ☐ Feet
- ☐ US Feet
- ☐ Imperial Feet

Vehicle Speed

- ☒ kts
- ☐ m/s
- ☐ km/h

Wind Speed

- ☒ kts
- ☐ m/s
- ☐ ft/s

Time Format

- ☒ HH:MM:SS.S
- ☐ HH:MM:SS
- ☐ HHMMSS.SS

Date Format

- ☒ MM/DD/YYYY
- ☐ DD/MM/YYYY
- ☐ MM/DD/YY
- ☐ DD/MM/YY
- ☐ DD-month-YYYY

Output on Event/Time

- ☐ On Event (Event Vehicle ONLY)
- ☒ On Time interval seconds

Control Characters

- ☒ No start/stop control characters
- ☐ Use start/stop control characters

Delimiter

- ☒ Comma
- ☐ Space

Checksum

- ☒ No CheckSum
- ☐ Add CheckSum

Load/Save to File

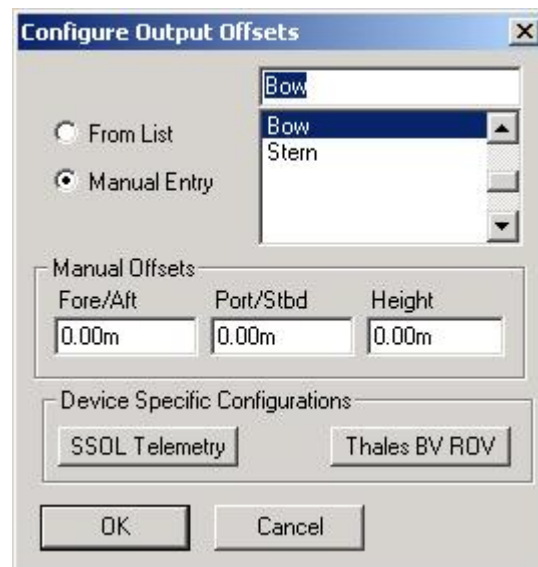
From this dialog box you can select the desired data to include in the output string from the Available Items list. As can be seen in the above dialog box, you have a great deal of flexibility in configuring the format of the data string. Using the Load Settings and Save Settings buttons, you may also save and load the configuration and comm. Port settings to a *.gcf file which can be used to repeat the configuration on other installations.

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

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

Data item: OUTPUT, CONFIGURABLE OUTPUT, DATA OUTPUT

Editing the DATA OUTPUT data item opens the Configure Output Offsets dialog box as seen below.



Select the desired reference point for the coordinates that are to be placed in the telegram. If an offset point is not selected and the offsets are set to 0, the coordinate output will be the central reference point (CRP). The SSOL Telemetry and Thales BV ROV buttons are not used for this device.

TELGRAM SPECIFICATION:

User Configurable