WinFrog Device Group:	OUTPUT
Device Name/Model:	ASCII DATA LOGGER
Device Manufacturer:	
Device Data String(s) Output to WinFrog:	N/A
WinFrog Data String(s) Output to Device:	See Telegram Specification section below
WinFrog Data Item(s) and their RAW record:	N/A

DEVICE DESCRIPTION:
The ASCII DATALOGGER device is a driver written to output ASCII telegrams, in various user selectable formats, to separate computers for logging purposes.

DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:
Serial
Configurable Parameters

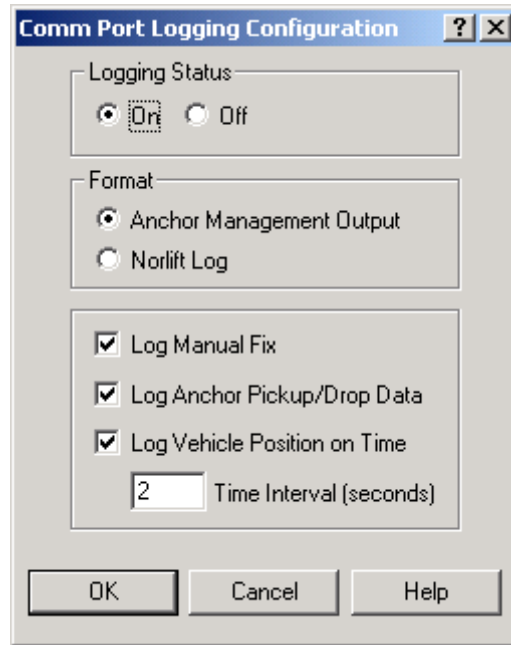**WINFROG I/O DEVICES > CONFIGURE DEVICE:**
No configuration is required at the I/O Device window level.

WINFROG VEHICLE > CONFIGURE VEHICLE DEVICES > DEVICE DATA ITEM > EDIT:
Adding the ASCII Data Logger device creates the ASCII DATALOGGER data item. Once the data item has been added to the vehicle, it must be edited to suit the application.

Data item: OUTPUT, ASCII Data Logger, ASCII DATALOGGER

Highlight the OUTPUT, ASCII Data Logger, ASCII DATALOGGER data item and click the Edit button. The **Comm Port Logging Configuration** dialog box opens as seen below.

Logging Status:
You can select to enable or disable the data output by selecting either On or Off.

Format:
You can select either the **Anchor Management Output** or **Norlift Log** output formats by selecting the appropriate radio button. Details on the difference between the output data strings for the two formats can be seen below in the Telegram Specification section.

The **Log Manual Fix** option enables/disables the output of any manual event (F10). The data can be viewed in the Decoded Data tab of the I/O window. Details on the difference between the output data strings for the two formats can be seen below in the Telegram Specification section.

The **Log Anchor Pickup/Drop Data** option enables/disables the output of Anchor handling data. This option outputs both the anchor pickup and anchor drop data. The data can be viewed in the Decoded Data tab of the I/O window. Data output using this option is controlled by using the Anchor Handling window. Fairleads and Anchors must be configured properly before this option will function. See chapter 6 of the WinFrog User's Guide for details on Configuring Fairleads and Anchors. Details on the difference between the output data strings for the two formats can be seen below in the Telegram Specification section.

The **Log Vehicle Position on Time** option enables/disables the output of the vehicle position and related data. You can specify the output interval by entering the desired number of seconds in the **Time Interval** dialog box. Details on the difference between the output data strings for the two formats can be seen below in the Telegram Specification section.

TELGRAM SPECIFICATION:

The Anchor Management Output Format data string includes:

For the 'Log Manual Fix' option:

> $30# - Name/Indentifier - 30+vehicle number (first vehicle # = 1, second vehicle # = 2, etc)
> Fix Name – the name of the manual fix as assigned by the operator
> Easting of the GPS antenna or other primary positioning sensor
> Northing of the GPS antenna or other primary positioning sensor
> Speed in knots
> Heading
> CMG
> SOL
> GPS status (0 = no position, 1 = SPS, 2 = DGPS etc)
> Day/Month/Year
> Time
> Comment (Manual Fix: Comment entered in Manual Event dialog box)
> The checksum

For the 'Pick/Drop Anchor' option:

> $40# - Name/Indentifier - 40+anchor number (first anchor # = 1, second anchor # 2, etc)
> Anchor Name
> Anchor Easting
> Anchor Northing
> blank
> blank
> blank
> D/M/Y
> Time
> Comment (Anchor name Picked/Dropped By: Ship/Barge name)
> The checksum

For the 'Log Vehicle Position on Time' option:

> $30# - Name/Indentifier - 30+vehicle number (first vehicle # = 1, second vehicle # = 2, etc)
> Vessel Name – the name of the vessel that the ASCII DATA LOGGER data item is attached to
> Easting of the GPS antenna or other primary positioning sensor

Northing of the GPS antenna or other primary positioning sensor
Speed in knots
Heading
CMG
SOL
GPS status (0 = no position, 1 = SPS, 2 = DGPS etc)
Day/Month/Year
Time
Comment (Position on time)
The checksum

The Norlift Log Format data string includes:

For the 'Log Manual Fix' option:

Easting – position sensor
Northing - position sensor
Start of Line (km)
Port/Starboard of line (m)
Heading

For the 'Pick/Drop Anchor' option:

Easting - anchor
Northing - anchor
blank
blank
blank

For the 'Log Vehicle Position on Time' option:

Easting – position sensor
Northing - position sensor
Start of Line (km)
Port/Starboard of line (m)
Heading