

WinFrog Device Group:	Output	
Device Name/Model:	SIMRAD TENSION	
Device Manufacturer:	KONGSBERG SIMRAD AS DYRMYRGATA 35, P.O. BOX 483 3601 KONGSBERG NORWAY Phone: 47 32 28 50 00; Fax: 47 32 73 59 87 E-mail: WebOffice@kongsberg.simrad.com http://www.kongsberg-simrad.com/ KONGSBERG SIMRAD INC. 7250 LANGTRY STREET HOUSTON TX 77040-6625, U.S.A. Phone: 1 713 934 8885; Fax: 1 713 934 8886	
WinFrog Data String(s) Output to Device:	Comma delimited ASCII String	
	FIELD	FORMAT
	1	\$PRPITEN,
	2	d
	3	f.d
	4	c
5	dd	
WinFrog .raw Data Record Type(s):	DATA OUTPUT: Type 450	

DEVICE DESCRIPTION:

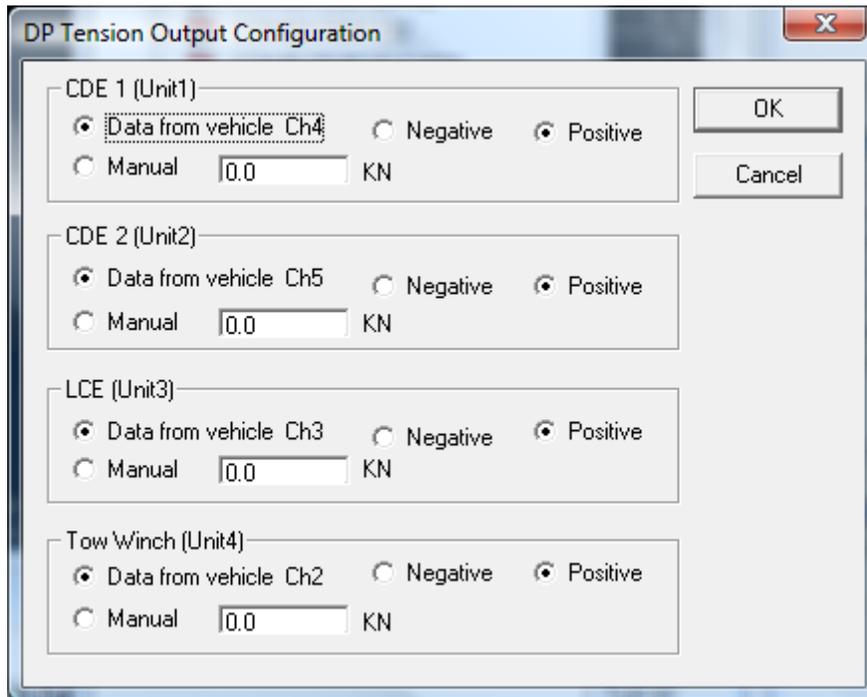
This output device provides tension data to a Simrad DP system. One tension value is sent per telegram, and the data output cycles through the four tension units at about 4 Hz, i.e. a set of four messages providing data for all four channels is sent every second. The tension values sent are those values assigned to the vehicle that this devices' data item is assigned to.

DEVICE CONFIGURATION INSTRUCTIONS:

Baud Rate: 9600
Bits Per Character: 8
Stop Bits: 1
Parity: None

WINFROG I/O DEVICES > CONFIG OPTIONS:

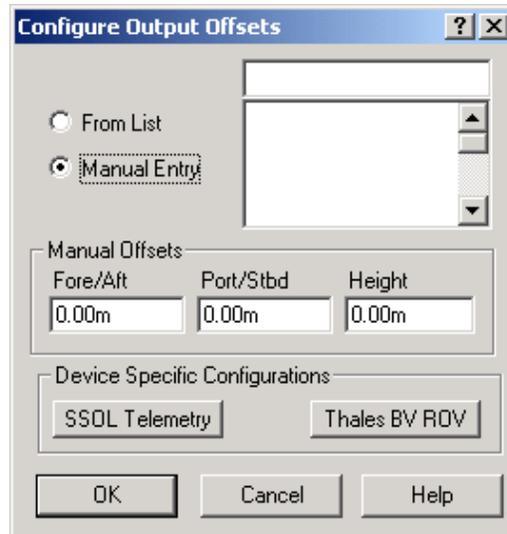
The SIMRAD Tension output device is added to WinFrog from the OUTPUT device types. The device supports the DATA OUTPUT data item. The following dialog box appears for configuring output data via the *Configure > I/O Devices > Configuration* command. This dialog box can also be accessed if you highlight the SIMRAD TENSION device, right-click in the I/O Devices Window, and choose *Configure Device*.



WinFrog outputs a telegram for each of the four indicated units, cycling through each, one after another sending a set of four telegrams once per second. Each unit obtains the tension from the channel indicated in the above dialog, if the channel doesn't have a valid tension the status is set to 'V' in the telegram otherwise it's set to 'A'. The operator can override this channel and enter a manual value. You can change the sign of the value using the Negative/Positive radio buttons.

WINFROG VEHICLE TEXT WINDOW > CONFIGURE VEHICLE DEVICES > DEVICE > EDIT OPTIONS:

This device supports the OUTPUT, SIMRAD TENSION, DATA OUTPUT data item. This data item must be added to the appropriate vehicle in order for the tension data to be output to the DP. The standard Configure Output Offsets dialog box appears as seen below.



As this device outputs only the tension data to the DP, the offsets for the position of the data are not applicable. The SSOL Telemetry and Thales BV ROV are also not applicable

The counter device that is outputting the relevant tensions must also be added to WinFrog and the appropriate data items from this device must be attached to the same vehicle as the Simrad Tension device in order for updated tension readings to be output to the DP.