

WinFrog Device Group:	Time Base
Device Name/Model:	ODP TIME
Device Manufacturer:	
Device Data String(s) Output to WinFrog:	
WinFrog Data String(s) Output to Device:	N/A
WinFrog Data Item(s) and their RAW record:	N/A

DEVICE DESCRIPTION:

A driver written to allow WinFrog to synchronize it's time with an external time source. The device does not have to be attached to a vehicle. Simply adding the ODP Time device to WinFrog and enabling the Synchronize to Device Specific Telegram option will synchronize WinFrog's virtual time with the external source's.

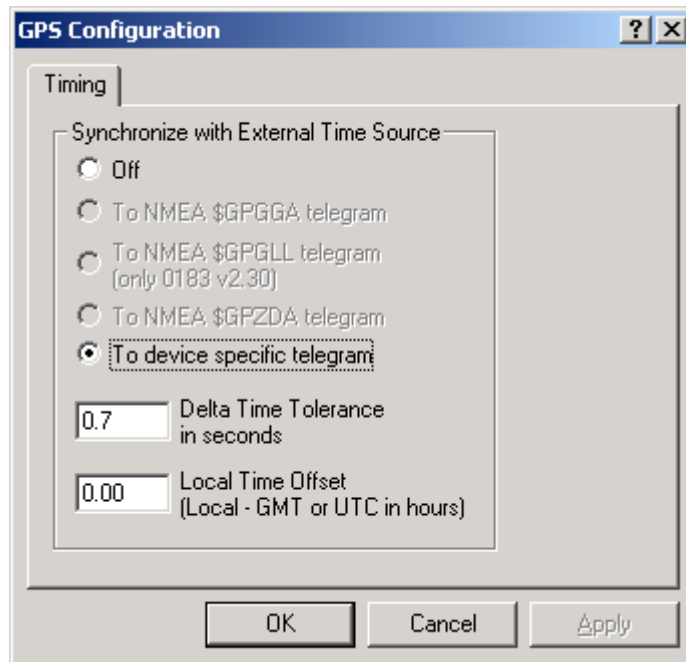
DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:

Serial
Configurable Parameters

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 GPS Configuration dialog box appears, as seen below.



The following configuration options are available within this dialog:

Synchronize with External Time Source:

Allows you to synchronize WinFrog's time with an external time source. Two options are available; **Off** and **To device specific telegram**.

The **Delta Time Tolerance** entry box allows you to define the tolerance that will be used to determine when WinFrog's time must be reset. If WinFrog's time (a virtual clock set by the computer) goes ahead or falls behind the incoming time, WinFrog's time is reset. The default tolerance value of 0.7 seconds is suitable for most applications.

The **Local Time Offset** (Local-GMT or UTC in hours) value is added to the incoming time to correct it to the local time.

NOTE: The computer's system clock is not reset to the incoming time – only WinFrog's time is affected by enabling the synchronizing option.

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

Adding the ODP TIME device creates the TIME data item.

Data item: TIME BASE, ODP TIME, TIME

There are no edit or configuration options for this data item. It is not necessary to add this data item to the vehicle's device list in order to synchronize WinFrog's time with the external source. Simply adding the device to WinFrog and enabling the Synchronize with an External Time Source option will allow WinFrog to synchronize it's virtual time.