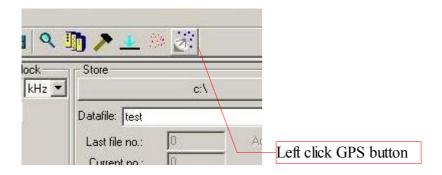
Using GPS Receiver with EdWin

EdWin for DATaRec4 modules or MH-USB Box supports GPS receivers with rs232 or USB connection to PC . To activate GPS measurement please press the GPS button in the toolbar.



The GPS Table of channels appears as last table. Here you can select what GPS information is stored in the data stream.

▶ EdWin - mcgps.edw	And the second states of the second states of the	×
File Edit View Hardware Options ?		
	🛛 🐺 🔛 🛤 🔍 🌆 🏷 🚣 🔅 🕺	
Start/Stop Level: Slope: Sec before/after Trg. Start trig: NONE 0 + 0 before Trg. Stop trig: -MEAS.TIME 0 - 0 after Trg. Meas.time: 120 Sec Keinen Kanal definiert incl. TrigTiming	Measurement clock Store Clk: kHz Divider: Datafile: test Last file no.: Current no.: O	Aut. restart:
SN 035457-092006 DIC6B		
Chan. On SLNo. Name Unit Pol.	Label Range	Input Coupl. Input Type Filter Clkrate
1 0 DIC_0_0 V	17dBV,7.07Vrms,10Vpeak	Analog AC Single No Filter 1:1
2 1 DIC_0_1 V	17dBV,7.07Vrms,10Vpeak	Analog AC Single No Filter 1:1
3 2 DIC_0_2 V 4 3 DIC 0 3 V	17dBV,7.07Vrms,10Vpeak 17dBV,7.07Vrms,10Vpeak	Analog AC Single No Filter 1:1 Analog AC Single No Filter 1:1
	17dBV,7.07Vms,10Vpeak	Analog AC Single No Filter 1:1
6	17dBV,7.07Vrms,10Vpeak	Analog AC Single No Filter 1:1
SN 036863-042007 DIC6B	in abt,i.or mino, respear	Analog No billigic Mornici I.I
Chan. On SLNo. Name Unit Pol.	Label Range	Input Coupl. Input Type Filter Clkrate
1 6 DIC_1_0 V	17dBV,7.07Vrms,10Vpeak	Analog AC Single No Filter 1:1
2 7 DIC_1_1 V	17dBV 7 07Vrms 10Vnegk	Analog AC Single No Filter 1:1
3	GP5 Interface 🔀 k	Analog AC Single No Filter 1:1
4	Interface k	Analog AC Single No Filter 1:1
5		Analog AC Single No Filter 1:1
6 11 DIC_1_5 V	Com: 🗳 📃	Analog AC Single No Filter 1:1
SN GPS Chan. On SLNo. Name Unit Clkrate 1 0.00 Latitude Min*10	Bitrate: 4800 💌 Databits: 8 💌	Interface properties
2 Longitude Min*10		
3 Altitude m 4 Speed m/s	Stopbits 1	
5 Direction *	Paritu: none 🔻	0-1*100000
6 Satelitts	Parity: none	Select ° or minutes*100000 as
7 Quality		scale for lattitude and longitude
8 HDOP	Scale of longitude/latitude	searci for launuae and longhuae
	Min*100000	
Right click on the GPS		
table header to edit the	OK Cancel	<u>_</u>
Ready Interface properties		NUM

Name and unit of GPS channels are fixed. You can only edit the Sensor loaction number.

Measured values are

Lattitude:	in Minutes*100000 or in ° with sign.
Longitude	in Minutes*100000 or in ° with sign.
Altitude	Altitude in m above geoid
Speed	Speed in m/sec
Direction	Direction in °
Satelitts	Number of Satelitts
Quality	0=invalid,1=GPS,2=DGPS
HDOP	(Horizontal dilution of precision) Values beetween 1.0 and 99.9
	high values are bad , low numbers n'better. A good value is 4.0