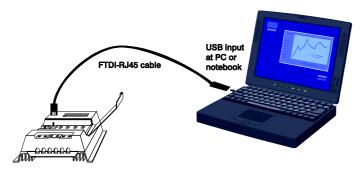
PA CAB1 - USB cable for the Tarom235/245/440

Some system parameters of the Tarom charge regulators can be sent via USB to a Computer with this cable. This FTDI cable emulates a serial port on the PC. These data can be visualized by a terminal program like HyperTerminal for Microsoft Windows, with the TarCom.exe program or by any other program connected to a COM port.

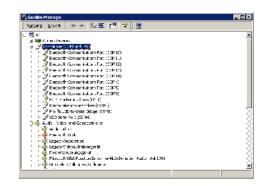
Prior to use the FTDI cable you have to install the USB driver. Go to

"<u>http://www.ftdichip.com/Drivers/VCP.htm</u>" and download FTDI VCP driver version 2.060.2 or higher.(file CDM20602.zip).

On the Tarom regulator you have to activate the option "transmit PC". Press menu, then ^ and menu together. Select for "option transmit" "PC" and press OK.



Insert FTDI cable into RJ45 plug at the Tarom regulator and into a free USB port at the notebook



open computer/properties/hardware/device manager/COM ports and note the FTDI COM port number under "USB Serial port COM.." (here COM4)

	Eigenschaften von COM4	TEN1438 Nyurfarmat 프로그 Ref Datate Artat Anne Catagong : 티와 편, 이 이 가지
		16:16:00000 12545;830;130 19:21:17:17:00043: 0050:00044;80016: 4
	Bjts pro Sekunde: 300	16:16(16)(000000-12045:000:140-(19)(19)(17)(16:000040)(000044:00017)
HyperTerminal		16:16(16(+000000_10640):800:100_+19(+19(+17(+17)00040)-0040(00044):80018)
by Hilgraeve Monroe, Michigan USA For more power and convenience, upgrade to hot new	Datenbits: 8	16;16:16:+00000_10645;800;130_+19:+21:+17:+16;00040:-0040:00044;80019:
HyperACCESS, TODAYI		16,16.16.+00000 10640,000,100 +19.+21.+17.+17,00040.+0040.00044,00020.
Developed for Microsoft by Higroeve Inc. Informationen Copylight 1999 Higraeve Inc.	Parität: Keine	17:17;17;00000 12745:000:10;019;01;01;017;016:00043;0000;00044:00021;
	Stoppbits:	17:17:17:00080-12765:830:130-19:(21:)17:(7:00043:00044:80022)
	Stoppores 1	17:17:17:17:00000-12745:800:130-+19:+21:+17:+16:00043:+0000(00064:80020)
	Flusssteuerung: Kein	1/(1/:1/:+00000_10745;830;130_+19:+21:+17:407043:+0040:00044;80624;
		17;17:17:00000 10745;000;10:019:019:017:016;00040:00044;00025:
		17:17;17;+00000_15745:830:130-+19;+10;+17;+17:00043;-00(0;00044:80026;
	Standard wiederherstellen	
		V - Akonte Centre - Date X K I RF GROOD S- Durandoren Deuten anto
	OK Abbrechen Übernehmen	

Start **HyperTerminal**.exe and configure it with the FTDI COM port number. Set baud rate to 300;8;N;1. Once per minute you will receive one status line, each value separated by a ";". There are some internal status values but these positions are mostly used:

1. SOC , 4. battery current I acc in 0,01A , 5. battery voltage in 0,001V The last parameter is a sequential counter

Or you can use the program **TarCom**.exe in a special 300 Baud mode: menu 'options/settings/extra/Tarom RJ45'. Before you have to choose the right COM port under menu 'file/interface/user defined'. Most logger functions are not valid, only the data table will be filled automatically and you can use the graph function.

```
17;17;17;+00000;11727;030;100;+19;+21;+17;+17;00043;-0040;00044;00028;

| | | | | |

SOC | U battery mV |

| | |

I accu 10mA board temperatures 4x
```