

Ergänzende Informationen zum NT 100

Installation Windows (Version 7)

Der Datenlogger wird über einen virtuellen COM-Port angesprochen. Dazu wird bei der Installation ein USB Treiber installiert, der einen seriellen Anschluß simuliert. Die benutzte COM-Port Nummer muß dabei 1...4 sein. Wird eine größere Nummer benutzt, kann von der Software "Data Logger" keine Verbindung aufgebaut werden.

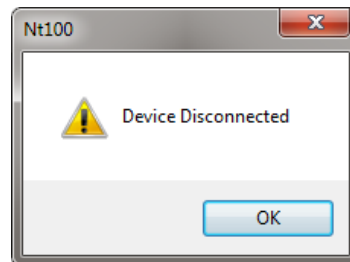


Abbildung 1: Keine Verbindung möglich

Die benutzten COM-Port Einstellungen können im Geräte-Manager der Systemsteuerung eingesehen und geändert werden: Start→Systemsteuerung→Geräte-Manager.

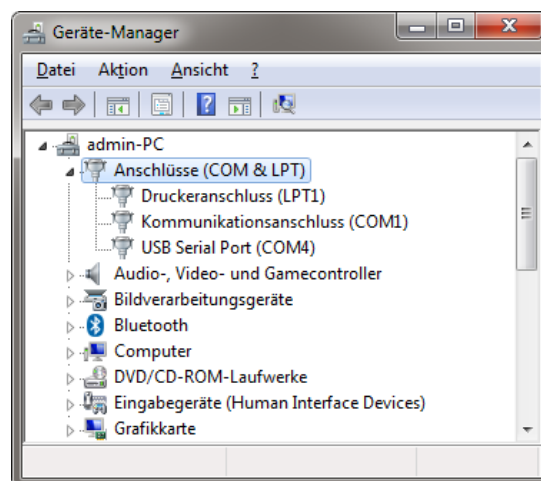


Abbildung 2: Geräte-Manager

Den Abschnitt *Anschlüsse* aufklappen. Dort wird der *USB Serial Port* angezeigt, wenn der NT100 angesteckt wurde. Wird er vom USB Port getrennt, verschwindet der entsprechende Eintrag. Wurde nach der Softwareinstallation eine zu hohe Portnummer vergeben, kann diese geändert werden. Dazu doppelt auf den Eintrag *USB Serial Port* klicken, so daß das Fenster *Eigenschaften* sich öffnet.

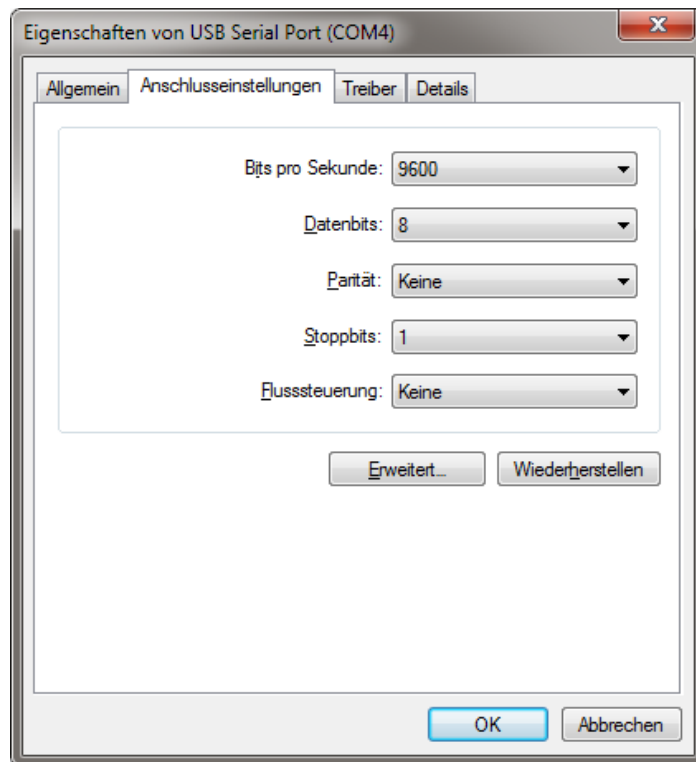


Abbildung 3: Eigenschaften

Auf der Registerkarte *Anschlusseinstellungen* auf *Erweitert* klicken. Im nächsten Fenster, bei COM-Anschlussnummer einen niedrigen Port auswählen. Steht dort "bereits belegt", dann wird er von einem anderen gerät benutzt. Eventuell kann man aber diesen Port trotzdem benutzen, wenn das andere Gerät derzeit nicht mit dem PC verbunden ist. Dann die folgenden Warnungen ignorieren.

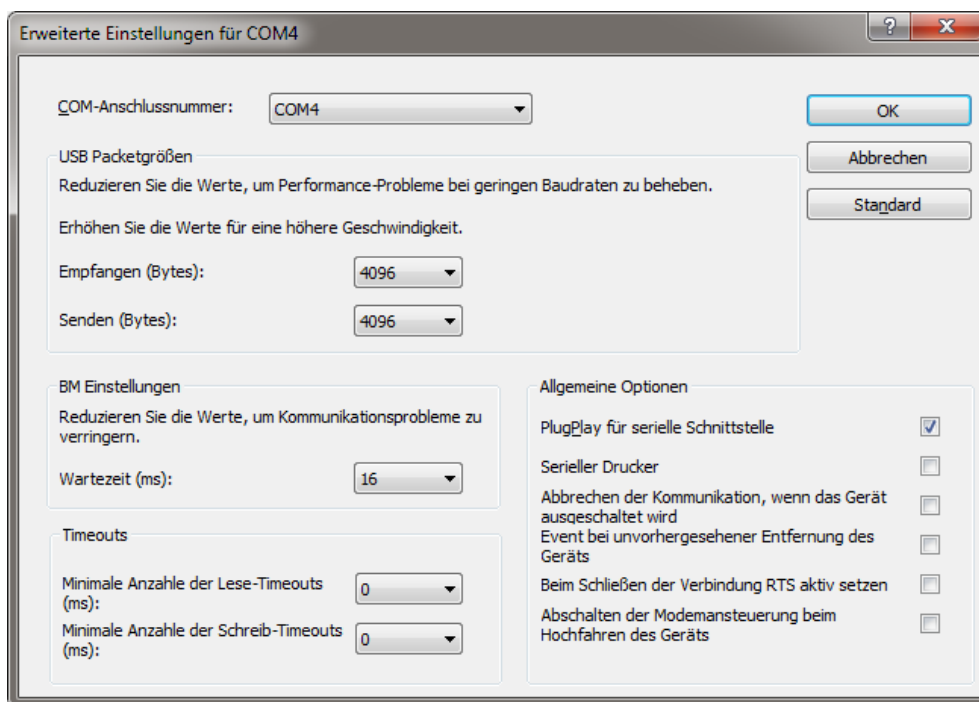
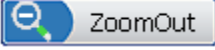
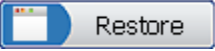
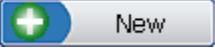
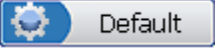


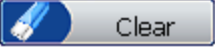


Abbildung 4: Port ändern

Alle Fenster mit *OK* schließen. Anschließend ist ein Neustart von Windows zwingend erforderlich. Anschließend muß die Software "Data Logger" deinstalliert und neu installiert werden.



13.  Zoom Out - Zooms out plots.
14.  Restore - Restores zoomed plots to fit to window size..
15.  New - Adds new driver/vehicle ID(s) and fuel entry.
16.  Default - Sets acceleration, braking and speed settings to factory defaults.
17.  Download - Downloads trip data to computer.
18.  Update - Updates the device to newer version.
19.  Clear - Clears device memory.

4.4 Installation



Use instructions below to connect the device to a vehicle and install software.

Install the Data Logger in a Vehicle

To install the device in a vehicle:

- ▶ 1. Locate the Data Link Connector (DLC) on vehicle.
2. Plug in the data logger to the DLC.
3. Make sure the data logger is correctly attached to the DLC by checking if its LED indicator is blinking.

NOTE If the indicator light is enabled, it continuously blinks when connected to vehicle; if it is disabled, it stops blinking once it has established communication with vehicle computer(s); if it fails to communicate with vehicle, it illuminates constantly.



√ The data logger detects the communication protocol when it is connected to the vehicle and uses the protocol until it is connected to another vehicle.

Install Software and Connect the Date Logger to Computer

√ To be able to use the software, PC or laptop must meet the following minimum requirements:

- Operation System: Win98/NT, Win ME, Win2000, Win XP and VISTA
- CPU: Intel PIII or better
- RAM: 64MB or better
- Hard Disk Space: 30MB or better
- Display: 800*600 pixel, 16 byte true color display or better
- Internet Explorer 4.0 or newer

To install the software and connect the device to computer:

- ▶ 1. Download the software from our site www.foxwelltech.com by selecting Home>Updates, save the software in computer disk, and unzip the file.
2. Double click the  icon and follow instructions on computer screen to install the software.
3. Double click the desktop icon  to launch the software.
4. Plug the smaller connector into the date logger's USB port.




6. Download Data




Download is used to download recorded data from data logger to your computer.


To download data:



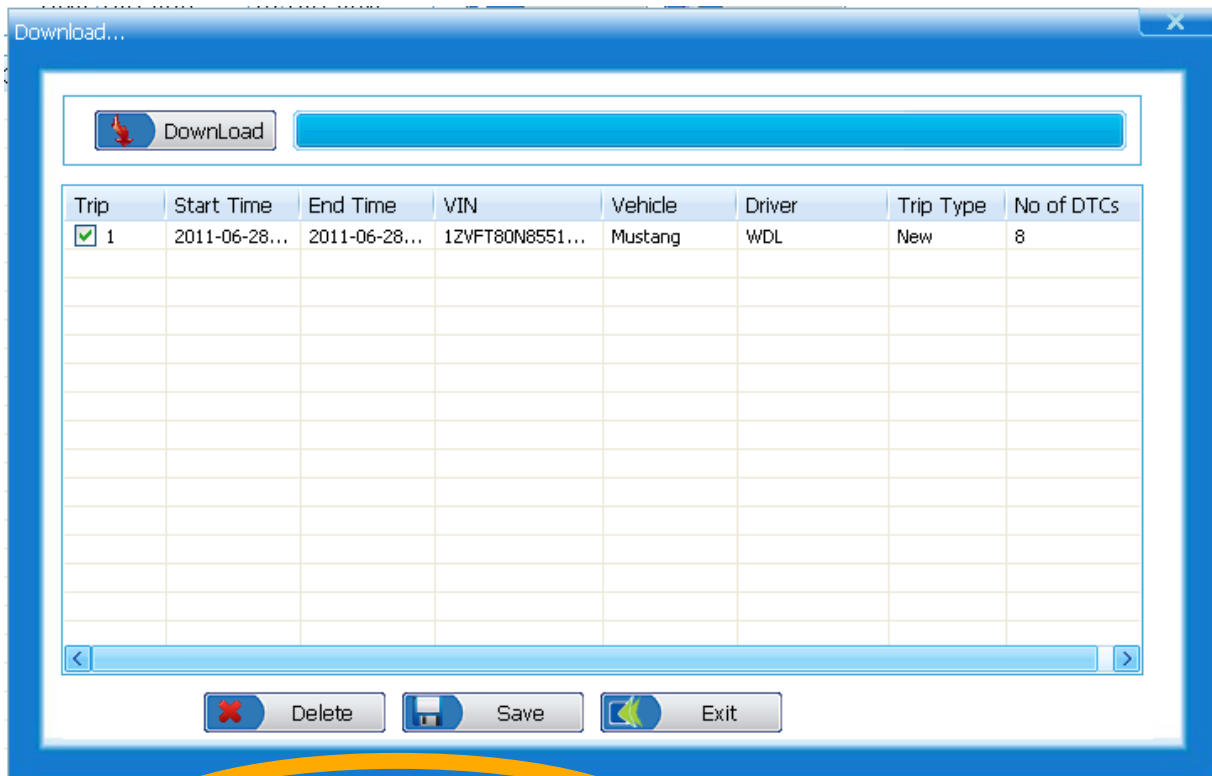
1. Click the  icon to download trip details to computer.



2. Select a vehicle and driver from the drop-down lists and use  **Apply** associate each trip with vehicle and driver.

✓ If all trips are collected from the same vehicle and driver, use .

✓ If vehicle or driver is not listed, use the  **New** button to add a new vehicle or driver.



5. If downloaded trip(s) to be saved to database, click ; if trip(s) not to be saved, click  to exit without saving.

7. Home Page View



Home displays summary information of vehicles, and drivers associated with the data management software. You are allowed to access detailed summaries for every vehicle and driver in a specific period of time.

To view summaries for every vehicle and driver in a specific period of time:

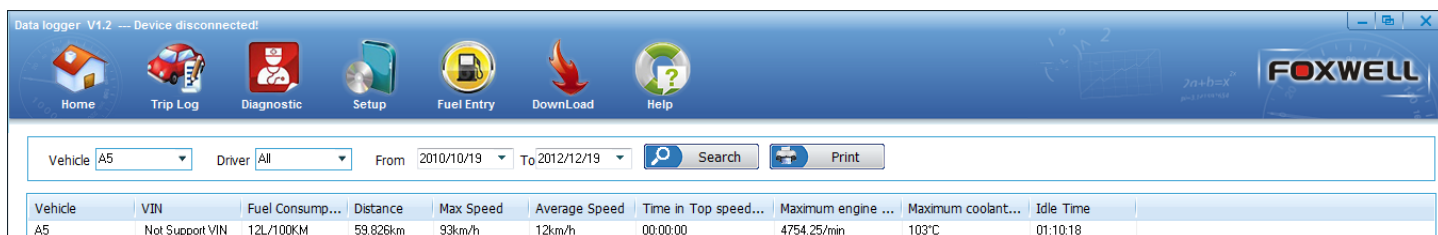
1. Click the  icon.



2. Select data by vehicle

3. Click .

4. View vehicle and driver summary recorded by the data logger in a specific period of time.



8. Trip Log View



The **Trip Log** displays trip data recorded by the Data Logger. It provides summary view, report view and plot view of trip details.

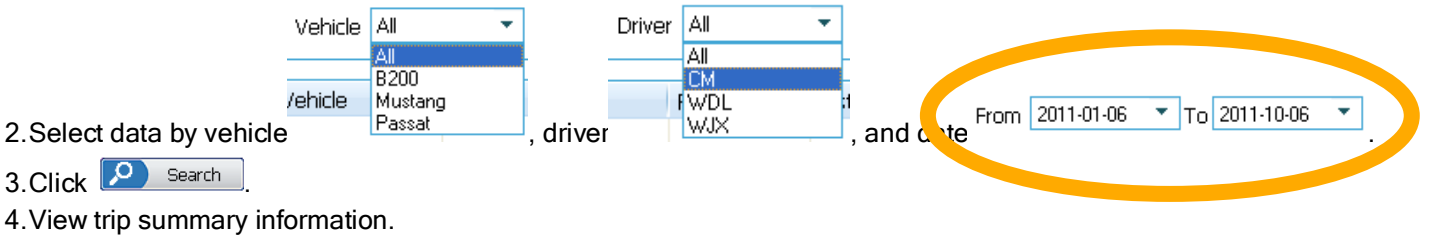
8.1 Trip Log Summary

The trip log summary view displays basic information for each trip recorded by the Data Logger, such as distance, start/end time, speeding and hard stats and stops. Also it provides fuel consumption and fuel efficiency of each trip.

To view trip summary:



1. Click the **Trip Log** icon.



Data logger V1.2 --- Device disconnected!

Home Trip Log Diagnostic Setup Fuel Entry DownLoad Help

Vehicle: A5 Driver: All From: 2010/12/19 To: 2012/12/19 Search Print

Trip	Start Time	End Time	Fuel Consump...	Distance	Max Sp...	Avg Sp...	Time in Top ...	Maximum eng...	Maximum cool...	Idle Time	VIN	Vehicle
1	2011-07-01 09:58:03	2011-07-01 09:59:02	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:00:59	Not Support VIN	A5
2	2011-07-01 11:29:03	2011-07-01 11:30:40	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:01:37	Not Support VIN	A5
3	2011-07-01 14:12:03	2011-07-01 14:14:10	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:02:07	Not Support VIN	A5
4	2011-07-01 15:05:03	2011-07-01 15:06:21	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:01:18	Not Support VIN	A5
5	2011-07-01 15:24:46	2011-07-01 15:25:35	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:00:49	Not Support VIN	A5
6	2011-07-01 18:12:03	2011-07-01 18:14:37	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:02:34	Not Support VIN	A5
7	2011-07-01 19:51:03	2011-07-01 19:54:18	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:03:15	Not Support VIN	A5
8	2011-07-01 22:03:03	2011-07-01 22:04:45	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:01:42	Not Support VIN	A5
9	2011-07-01 22:34:07	2011-07-01 22:36:09	NA	0km	0km/h	0km/h	00:00:00	0/min	0°C	00:02:02	Not Support VIN	A5

8.2 Trip Report View

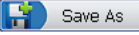
The trip report displays detailed trip information for each trip, including all supported engine parameters, recorded by the device. You are also allowed to get access to trouble information when there is DTC(s) detected.

To view trip log report with complete PIDs:

1. Double click a trip that you are interested in from trip summary screen.
2. View trip details of the selected trip

Vehicle	B200	Driver	CM
Driver	B200 Mustang	Start	CM WDL

IMPORTANT: Make sure trip information is associated with correct vehicle; otherwise DTCs may not be matched when there is manufacturer specific code detected.

9. If current trip data to be saved and exported to spreadsheet, use the  button.

10. If current trip data to be deleted, use the  button.

11. If data of current trip to be printed, use the  button.

12. When there is error detected in the engine control unit, all DTCs and detected time shows in the dialog box at the lower left part of the screen.

DTC:


No error
2011-07-10 01:02:08
error data
P0122 Throttle / Pedal
P0183 Fuel Temperatu
P0193 Fuel Rail Pressu
P0223 Throttle / Pedal
P1633 ECM Malfunction
P2104 Throttle Actuat
P2110 Throttle Actuat

√ If no error detected, a “No error” message displays.

DTC:

No error


To view trip log report with customized PIDs:


1. To view a customized list of PIDs, use the  button.
2. Click the checkbox to select/deselect PIDs.

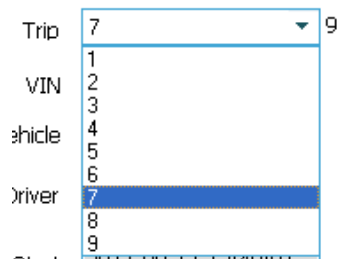
Customize PID

NO	Parameter	
<input type="checkbox"/>	1	MIL Status
<input type="checkbox"/>	2	Fuel system 1 status and 2 status
<input type="checkbox"/>	3	Calculated LOAD Value
<input type="checkbox"/>	4	Engine Coolant Temperature
<input type="checkbox"/>	5	Short Term Fuel Trim Bank 1 and Ban...
<input type="checkbox"/>	6	Long Term Fuel Trim Bank 1 and Bank 3
<input type="checkbox"/>	7	Intake Manifold Absolute Pressure
<input type="checkbox"/>	8	Engine RPM
<input type="checkbox"/>	9	Vehicle Speed
<input type="checkbox"/>	10	Ignition Timing Advance for #1 Cylin...
<input type="checkbox"/>	11	Intake Air Temperature
<input type="checkbox"/>	12	Absolute Throttle Position
<input type="checkbox"/>	13	Location of Oxygen Sensors
<input type="checkbox"/>	14	Bank 1 - Sensor 1 Bank 1 - Sensor 1
<input type="checkbox"/>	15	Bank 1 - Sensor 2 Bank 1 - Sensor 2
<input type="checkbox"/>	16	OBD requirements to which vehicle o...
<input type="checkbox"/>	17	Time Since Engine Start
<input type="checkbox"/>	18	Distance Traveled While MIL is Activ...


Select All Deselect All OK Cancel

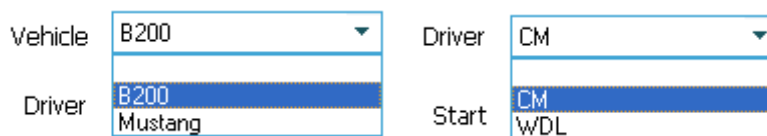
move the cursor  to a desired place to view.

- To stop playing of plots, use the  button.
- To view data of another trip, select from the Trip drop-down list as illustrated below.

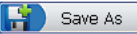




✓ You are allowed to use the up and down arrow keys of your computer keyboard to scroll through trip records.

- If incorrect vehicle and/or driver are associated with the trip, use the drop-down lists to change and then click  Save to save the changes.



IMPORTANT: Make sure trip information is associated with correct vehicle; otherwise DTCs may not be matched when there is manufacturer specific information.

- If plots to be saved and exported to spreadsheet, use the  Save As button.
- If plots to be deleted, use the  Delete button.
- If plots to be printed, use the  Print button.
- When there is error detected in the engine control unit, all DTCs and detected time shows in the dialog box at the lower left part of the screen.



✓ If no error detected, a “No error” message displays.

