

Hirschmann[®]

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TrionicSuite Logging



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TRIONICSUITE

You can obtain the corresponding TrionicSuite from the following links:

<https://txsuite.org/download/>

<https://hirschmann-koxha.de/en/informations/downloads/>

In the respective "extras" there are a large number of firmware files, which, however, are of no interest to us.

Download, install and start the appropriate TrionicSuite for your vehicle.

INTERFACE CONFIGURATION

In order to be able to operate Live Logging on your vehicle, you not only have to set up and configure your interface properly at the driver level, but also set it up in the TrionicSuite.

T7Suite

„File -> Settings -> Realtime settings“

The screenshot shows the 'Settings' dialog box in T7Suite, divided into three main sections:

- User interface settings:**
 - Auto size new mapwindows
 - Auto size columns in mapviewer
 - Use red and white maps
 - Don't display colors in mapviewer
 - Show table upside down
 - Show graphs in mapviewer
 - Default view size for maps: High resolution screen (1600 * 1200)
 - Default view type for maps: Easy view
 - Auto load last file on startup
 - Fancy docking
 - Hide symbol window
 - Auto dock maps from same file
 - Auto dock maps with same name
 - New panels are floating
 - Show mapviewers in separate windows
 - Use new mapviewer
 - Synchronize mapviewers
 - Write timestamp marker in binary
 - Always re-create repository items
 - Use T7Suite AFR maps
 - No closed loop indicator
- General settings:**
 - Auto update checksum
 - Auto fix footer
 - Show addresses and lengths in Hex
 - Enable CAN logging
 - Request project notes
 - Project folder: C:\Users\Rey\Documen ...
- Realtime settings:**
 - Auto generate LogWorks file after session
 - Only P-bus connection
 - Use additional CANbus frames
 - Reset realtime symbol on tabpage switch
 - Interpolate timescale for LogWorks
 - Use wideband O2 (pin 16) with symbol
 - Auto update SRAM viewers every
 - Measure AFR in lambda
 - DisplProt.AD_Scanner (Configuration)
 - 20 seconds
 - Use wideband O2 on com port
 - CANBus adapter type: OBDLink SX, Adapter: COM5
 - Wideband device: LC1, Wideband com port: COM5
 - Configuration, Notifications buttons

Buttons at the bottom: Autotune settings, Autologging settings, Cancel, Ok.

T8SuitePro

„File -> Settings -> Realtime settings“

The screenshot shows the 'Settings' dialog box for T8SuitePro, with the 'Realtime settings' tab selected. The dialog is organized into three main sections: 'User interface settings', 'General settings', and 'Realtime settings'. The 'Realtime settings' section is the primary focus, containing various checkboxes and dropdown menus for configuring the real-time data acquisition and display. At the bottom of the dialog, there are buttons for 'Autotune settings', 'Autologging settings', 'Cancel', and 'Ok'.

User interface settings

- Auto size new mapwindows
- Auto size columns in mapviewer
- Use red and white maps
- Don't display colors in mapviewer
- Show table upside down
- Show graphs in mapviewer
- Default view size for maps: High resolution screen (1600 * 1200)
- Default view type for maps: Easy view
- Auto load last file on startup
- Fancy docking
- Hide symbol window
- Auto dock maps from same file
- Auto dock maps with same name
- New panels are floating
- Show mapviewers in separate windows
- Use new mapviewer
- Synchronize mapviewers
- Write timestamp marker in binary
- Always re-create repository items
- Use T7Suite AFR maps
- No closed loop indicator

General settings

- Auto update checksum
- Auto fix footer
- Show addresses and lengths in Hex
- Enable CAN logging
- Request project notes
- Project folder: C:\Users\Rey\Documen ...

Realtime settings

- Auto generate LogWorks file after session
- Only P-bus connection
- Use additional CANbus frames
- Reset realtime symbol on tabpage switch
- Interpolate timescale for LogWorks
- Use wideband O2 (pin 16) with symbol
- Auto update SRAM viewers every
- Measure AFR in lambda
- DisplProt.AD_Scanner (Configuration)
- 20 seconds
- Use wideband O2 on com port
- CANBus adapter type: OBDLink SX, Adapter: COM5
- Wideband device: LC1, Wideband com port: COM5
- (Configuration) (Notifications)

Buttons: Autotune settings, Autologging settings, Cancel, Ok

Confirm the settings with "Ok".

REALTIME

Before you can now connect to your ECU, you must first open the file in TrionicSuite that is actually on the ECU.

This is done via:

"File -> Open file"

Now start the engine of your vehicle and plug the interface into the OBD socket.

Switch to the **"Realtime"** tab and select **"Connect ECU"**.

The interface should now connect to the control unit of your vehicle.

Click on **"Toggle realtime panel [SHIFT + F1]"**. The values should now change steadily. If this is the case, you do not have to do anything else and you can start your test drive. All data is recorded here.

STATIC LOGGING

The above method is particularly useful when actual problems arise that have no obvious cause.

More often, however, it will be the case that we will rather ask you about the so-called "knock" and "misfire counter".

Basically, the process is identical to the above.
However, it is sufficient to switch on the ignition to carry out the readout.

T7Suite

- View knock count map
- View false knock count map
- View real knock count map
- View misfire map

T8SuitePro

- View knock count map
- View misfire tab

Please take pictures of the maps, e.g. using the "Snipping Tool", which is installed by default on your computer, and send them to us.

KNOCK CAUSES

If a large number of knocks occur after a short journey, please install the original software on your vehicle again immediately!

Otherwise, you run the risk of particularly severe damage.

Reasons for knocking can be:

- Mixture too lean (fuel pump delivery rate too low, injectors clogged / contaminated; air leakage)
- Temperatures that are too high (larger intercoolers can help)
- Poor fuel quality (octane number and the associated knock resistance)
- Defects in the ignition system (e.g. too old spark plugs)
- Changed timing (e.g. due to stretched chain)
- Defective crankshaft position sensor