

All-in-one

All major functions required by an application engineer are integrated into a single intuitive framework:

- Numeric and graphic calibration of ECU maps and parameters
- display, recording and evaluation of simultaneously acquired ECU internal and process data
- transfer, comparison and documentation of calibration data (changes)
- flashing of ECU program and data memory
 monitoring of ECU communication

DriveRecorder:

The DriveRecorder is like a flight recorder for your development or durability vehicle.

Setup is extremely simple: Just select the ECÚ data elements you wish to record by double-clicking in online mode, and recording starts instantly. MCS400 saves the ECU data elements to local flash memory on a rolling data log - the PC can be disconnected and reconnected at any time. You can then upload the data and, evaluate and archive within Gredi V4 just as you would do with conventionally recorded data

Lower Total Cost of Ownership:

One of the most attractive features of Gredi V4 is that when you purchase MCS400 you receive Gredi V4 as part of the package. There is no expensive maintenance contract, you get free software updates, free support via email or phone and there are no software license fees for the standard Gredi V4 software. Gredi V4 is evolving all of the time, with new features being added and existing features being enhanced.

Slim and easy to use:

Customer specific extensions are possible, please contact us in order to receive a quote.

Responsive:

Gredi V4 runs under Windows 98, NT, 2000 and XP and is designed to be as easy to use as possible. Overwhelming featurism is replaced by a slim and smart function set. Most configuration is done automatically, repetitive tasks are simplified by retaining the previous system state. Built-in expert knowledge shields the application engineer from tedious tasks.

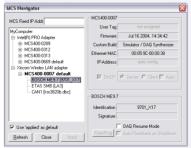
Sophisticated error handling:

Launching Gredi V4, initialising the MCS400 and closing Gredi V4 all take just seconds. Gredi V4 is designed with large multi-ECU projects in mind, supported by the MCS400 as a stand-alone computer with it's own Real Time Operating System.

Network funcionality:

With Gredi V4's sophisticated error handling, if your ECU resets during the session, Gredi V4 will restore the calibration data to the ECU.When Gredi V4 compiles your ECU description files, if values are out of range or incorrect, Gredi V4 will warn you and show you the line where the error occurs. Error checking is performed strictly and self-healing is done wherever possible, but unrecoverable errors are reported directly to prevent fuzzy system behaviour.

MCS Navigator allows easy Point & Click MCS Selection:



True network compatibility with plug and play IP Configuration.

As the MCS400 can act as a DHCP server or client and with our Plug and Play IP configuration, integration into your company network should be simple. Or you can plug it straight into your PC network port and because of the MCS400 feature of auto selecting MDI / MDIX crossover, you don't even have to change your network cable. You can even assign a specific IP address to the MCS400 allowing the user to not only operate the MCS400 over the company LAN but also over WAN connections, i.e. over the Internet.

To simplify networking Gredi V4 has a graphical navigation window that allows you to identify all MCS400's and ECU's connected to the network for point and click selection.



Advance Product Information

Gredi V4

Industry Standards supported:

Gredi V4 natively supports open industry standard ASAP2 (ASAM-MC2) ECU description (.a2l) files, as well as Intel Hex (.hex) and Motorola S-Record (.s19) calibration data files.

Calibration data listings can be exported as DAMOS Format (.dcm) files.

CAN database (.dbc) files are natively supported for ECU communication monitoring.

Gredi V4 and DriveRecorder recordings can natively be stored as Measure Data Format (.mdf) files, which provides a convenient way of archiving data and a well established means of data exchange in the automotive industry.

Gredi V4 provides high-level access to ECU data e.g. test bed systems can access data via the built-in ASAP3 Host Coupling Interface.

Legacy support:

Gredi V4 still natively supports the ECU description (.rob), raw calibration data (.bin) and recording (.rec) files that previous Gredi versions used. An upgrade path is provided by exporting rob descriptions to ASAP2 format and rec files to Measure Data Format.

Calibration Data Listing function:

Calibration data listing allows you to create readable listing files of all or selected elements for documentation and data exchange purposes, mainly exported to different text file formats. The list of selected elements can be saved to and read from a disk file.

Calibration Data Transfer function:

Calibration data transfer allows you to transfer all or selected elements to a destination calibration data file for upgrading and merging purposes. Different ECU description files for source and destination are allowed and the transfer is made via the physical (engineering) model, even map dimension changes with linear interpolation are supported. The list of selected elements can be saved to and read from a disk file.

Calibration Data Compare function:



Calibration data compare allows you to visualize the differences between up to four calibration data files. Different ECU description files are allowed and the comparison is made in the physical (engineering) model. The comparison result can be viewed on screen, printed or exported to different file formats. The list of selected elements can be saved to and read from a disk file.

Another kind of compare function can be initiated whenever calibration data changes are present and Gredi shutdown is requested.

You can review all changes made and accept or decline each change individually on a per-element basis.

Simultaneously talk to 20 target devices (modules):

With Gredi V4's ability to interface to 20 target devices on 2(4) CAN busses and 2 Multi Mode Serializer Ports simultaneously, you can control, calibrate and monitor not only ECU's, but pseudo ECU's i.e data acquisition sub-systems and Rapid Prototyping Modules (RPM).

ECU communication monitoring:

function:

ECU flash programming

ECU communication can be monitored either as trace dump or in sorted listview style. By means of CAN database (.dbc) files, raw communication packets can be decoded into easy readable form.

MCS Flash Programmer

BOSCH ME3.7 (3701_x477)

Bytes Renaming 1.795 K
Inne elspoid 100.25 min
Throughput 11.57 KB/s

Programming ...

System linage or Cal. Data
[C.V.dc-me3.7/68.00069.00000.519]

The flash programming window shows ECU data and Flash file data as well as the progress monitor.

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