GREISINGER electronic GmbH

Interface converter

Installation and operating manual **USB 3100 N**

CE

Made in Germany

WEEE-Reg.-Nr. DE 93889386

GREISINGER electronic GmbH

Content

1. Intended use

The electrically isolated interface converter USB 3100 enables the connection of a GMH 3xxx to the USB-interface of your PC.

2. General advice

Read through this document attentively and make yourself familiar to the operation of the device before you use it. Keep this document in a ready-to-hand way in order to be able to look up in the case of doubt.

3. Safety instructions

This device was designed and tested considering the safety regulations for electronic measuring devices. Faultless operation and reliability in operation of the measuring device can only be assured if the General Safety Measures and the devices specific safety regulation mentioned in this user's manual are considered.

1. Faultless operation and reliability in operation of the measuring device can only be assured if the device is used within the climatic conditions specified in the chapter "Specifications".

2. By faulty handling of the interface converter a damage of the device cannot be excluded. Likewise a damage of your attached device is possible.
   In such case we cannot assume any warranty.
   The manufacturer will not assume any warranty for damages to other devices resulting by use of the interface converter.

3. Standard regulations for operation and safety for electrical, light and heavy current equipment have to be observed, with particular attention paid to the national safety regulations.

4. When connecting the device to other devices (e.g. the PC) the interconnection has to be designed most thoroughly, as internal connections in third-party devices (e.g. connection of ground with protective earth) may lead to undesired voltage potentials.

5. The device must be switched off and must be marked against using again, in case of obvious malfunctions of the device which are e.g.:
   - visible damage
   - no pre-scripted working of the device
   - storing the device under inappropriate conditions for longer time

   When not sure, the device should be sent to the manufacturer for repairing or servicing.

6. **Attention:** Do not use this product as safety or emergency stopping device or in any other application where failure of the product could result in personal injury or material damage. Failure to comply with these instructions could result in serious injury and material damage.

4. Disposal notes

The device must not be disposed in the regular domestic waste.
Send the device directly to us (sufficiently stamped), if it should be disposed.
We will dispose the device appropriate and environmentally sound.

5. Installation

For installation of the device drivers a user account with an administrator-authorisation is required.
If you haven't an appropriate authorisation please consult your system administrator.
If you already have a device installed with the same USB-Chipset the USB 3100 N will be installed automatically.

- Insert driver disk into the drive of your PC.
- Plug in the USB-plug connector of the USB 3100 N into the USB-connection of your PC.
- The **"Add New Hardware Wizard"** for installation of **"FT232R USB UART"** appears.
- Click button **"Next"**.
- In the following selection window choose **"Specify a location"**. In window **"Browse directory"** select the path of your driver:
- Chose your CD-Rom drive (e.g. "E:\") and select the path "Treiber". Now choose the directory to your corresponding Operating system (e.g. select "Windows Vista x64" if you have Windows Vista Business 64Bit installed). Select the following path like V X.X.X (V X.X.X stands for the driver version e.g. "V 2.06.02"). After that push button **"OK".**
- If necessary accept the suggested driver by pushing button **"Next"**.
- Now the installation will be partly finished. You must acknowledge with button **"Finish".**
- Now then the first part of the installation is completed, the hardware-assistant for installation again.
- Click on button **"Next".**
- Choose the directory for your disk driver again, then click button **"Next".**
- If necessary accept the suggested driver by pushing button **"Next".**
- Now the installation will be finished. You must acknowledge with button **"Finish"** again.
- Please restart your PC

Now the USB 3100 N is installed on your system and available for all users.
For application with our software a new additional COM-Port is available (quod vide chapter 7).

6. Specification

Connection:

PC:	Standard USB-plug connector (type A)
GMH 3xxx:	3.5mm stereo jack for direct connection of a GMH3xxx

Power Supply:	via USB-interface
Operating temperature:	0 ... +50 °C
Storage temperature:	-20 ... +70 °C

Housing:

Cable length:	approx. 2m
Weight:	approx. 35 g

EMV:
The device corresponds to the essential protection ratings established in the Regulations of the Council for the Approximation of Legislation for the member countries regarding electromagnetic compatibility (2004/108/EG).
In accordance with EN 61326-1.

System requirements:
Intel Pentium III Processor or higher
Operating system: Windows 98SE / Windows ME / Windows 2000 / Windows XP / Windows 2003 / Windows Vista / Windows 7 (x68 and x64 supported).
Free USB Port.

7. Frequently asked questions (FAQ)

7.1 How to check whether the adaptor has been installed correctly and via which COM-port can I approach the installed adaptor?

Start the Device-Manager: start \ settings \ control panel \ performance and maintenance \ system \ hardware and open the submenu **"Ports (COM & LPT)"**
If the installation was successful, there will be the entry **"USB Serial Port (COMx)"**, in which the x after the Com indicates the available COM-port (i.e. COM 4).

Note: The adaptor will not be shown in the device manager, if it is not connected to the PC.

If the entry is occupied by an exclamation mark or the entry is not there, then the driver has not been installed correctly.

7.2 How to change the COM-port of the adaptor?

Make sure that the adaptor is connected, start the Device-Manager start \ settings \ control panel \ performance and maintenance \ system \ hardware) and open the submenu **"Ports (COM & LPT)"**
If the installation was successful, there will be the entry "**USB Serial Port (COMx)**", in which the x after the Com indicates the available COM-port (i.e. COM 4).

Open the features of this connection by a double-click, go to **"Port Settings"** and then click there the button **"Advanced..."**.
There you can choose the preferred COM-Port at the point **"COM Port Number"**. If this port is already reserved for another (even not connected) device, a error message will appear:
"In principle it is possible that 2 devices are set on the same COM-port, but then you have to take care, that not both devices are connected at the same time, because this would lead to a conflict!"

7.3 Is there an automatic update function that updates the installed driver to the latest version?

The driver is not updated automatically.

If there is already a suitable (for the operating system) driver during the installation, this driver will be used automatically.

If the usages of the adapter cause problems please make sure that the latest version of the driver for the adapter is used and installs the latest version manually if necessary.

7.4 How to find out the used version of the driver?

Make sure that the adaptor is connected and start the Device-Manager start \ settings \ control panel \ performance and maintenance \ system \ hardware).

For the COM-driver open the submenu **"Ports (COM & LPT)"**, open the features for this connection "**USB Serial Port (COM x)**" by double-click and change then to **"Driver"**.

There you can see the currently used driver version.