



MicroStrain[®]

Quick Start Guide

3DM-GX1[™]

Firmware Version 3.1.01

Software Version 2.0.4 for RS-232 operation only

Welcome

Thank you for purchasing MicroStrain's 3DM-GX1[™].

Software Installation

Place the CD in your drive and follow the on-screen instructions to install MicroStrain's Data Acquisition and Display software Version 2.0.4.

Target Devices

MicroStrain's Data Acquisition and Display software Version 2.0.4 is designed to operate any 3DM-GX1[™] with firmware version 3.X.X. **IMPORTANT NOTE:** If you already have 3DM-GX1[™]'s and are using MicroStrain's Data Acquisition and Display software Version 2.0.11 or lower, you should now use Version 2.0.4 for all your 3DM-GX1[™]'s. Version 2.0.11 or lower is incompatible with this new 3DM-GX1[™].

MicroStrain's Data Acquisition and Display software Version 2.0.4

This software is only designed to operate 3DM-GX1[™]'s which are configured in RS-232 communication mode.

Hardware Installation

- Insert the LEMO connector of the 3DM-GX1[™] communication cable into the 3DM-GX1[™] observing the keyed slots.
- Connect the female RS-232 connector of the 3DM-GX1[™] communication cable into a free serial port on your computer.
- Connect the external power supply adapter into the power pigtail on the 3DM-GX1[™] communication cable.
- Plug the external power supply into a proper power receptacle.
- The 3DM-GX1[™] is now powered and ready to communicate with the 3DM-GX1[™] Data Acquisition and Display software.

Software Operations

- Double-click the 3DM-GX1[™] Data Acquisition and Display desktop icon to launch the program.
- The **Main** screen will appear. **See Figure 1.**
- Click **File**.
- Click **Connect**. The **Connect** screen will appear. **See Figure 2.**
- Click the **Auto** tab. Click the **Connect** button.

- A message box will appear indicating that the 3DM-GX1™ connection was successful. Click **OK** and the **Connect** screen will disappear.
- Click **Display**.
- Click **Euler Angles**. The **Euler Angles** screen will appear. [See Figure 3.](#)
- Click **Data**.
- Click **Sample Gyro-Stabilized**. A check will occur to the left of the menu item indicating sampling is in progress.
- The application will begin sampling the 3DM-GX1™ and continuously display its current angles on the dials.
- Click **Data**.
- Click **Sample Gyro-Stabilized**. The check to the left of the menu item will disappear indicating sampling has stopped.

Congratulations!

You are off and running! [Please read the 3DM-GX1™ users manual to learn how to successfully put your 3DM-GX1™ to work.](#)

Figure 1

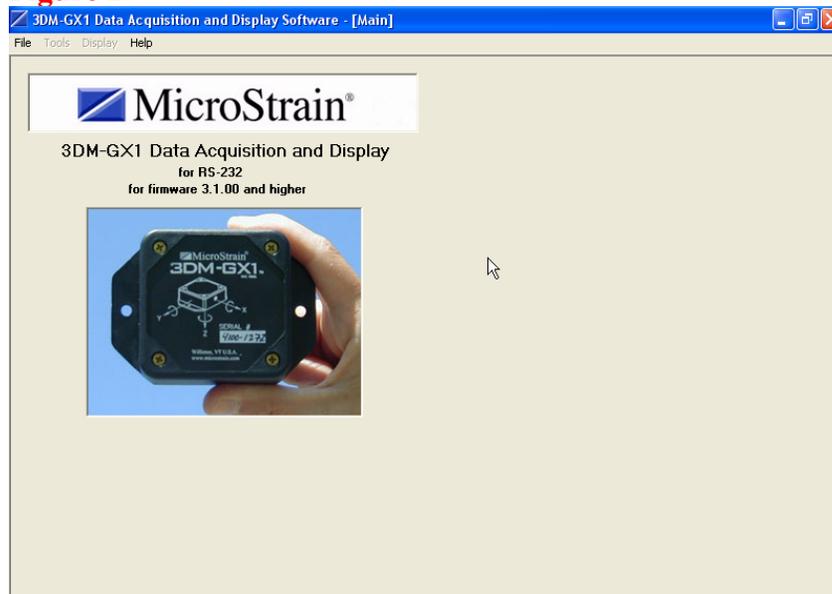


Figure 2

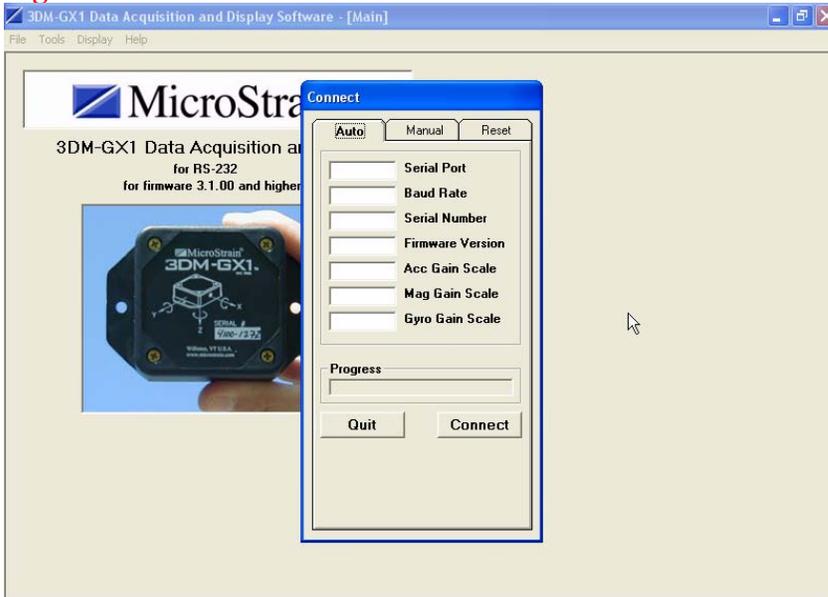


Figure 3

