

Firmware upgrade of GaugerGSM

Notices

- Perform firmware upgrade only when authorized to do so by the manufacturer or re-seller.
- While upgrading **GaugerGSM**, record your steps and any messages that appear on-screen. This will aid in troubleshooting a defective upgrade process.
- Stored data will usually not be lost when upgrading the firmware – verify with the manufacturer.
- Use only the updated firmware provided by the manufacturer or re-seller.

1. You will need:

- 1.1 PC with minimum requirements: Windows XP, Service Pack 2, CD drive and USB port.
- 1.2 **GaugerGSM** Installation CD.
- 1.3 **GaugerGSM** firmware authorized for upgrading your **GaugerGSM**.

2. Installation of Gauger Firmware Upgrade Tool

- 2.1 Insert the installation CD, select and run Setup.exe in the main directory of the CD.
- 2.2 Follow the on-screen instructions. When prompted for an installation directory, keep the default installation directory: c:\program files\solidat\GaugerFirmwareUpgradeTool or choose another directory.
- 2.3 When completed, check for a new icon on your desktop and a new program entry in the programs list.

3. Installation of GaugerGSM USB driver

- 3.1 Connect the PC to **GaugerGSM** using a USB cable. Keep cable length to less than two meters.
- 3.2 turn **GaugerGSM** on and follow the driver installation instructions on the PC. When prompted for driver location, choose and browse to the directory selected at the previous step.

4. Firmware upgrade

- 4.1 Copy the new **GaugerGSM** firmware (e.g. xyz.bin) to a directory of your choice.
- 4.2 Run Gauger Firmware Upgrade Tool by clicking on the proper desktop icon.
- 4.3 Wait until the proper COM port is identified (the port connected with **GaugerGSM**) then press OK on the pop-up window. Verify that current firmware version is displayed.
- 4.4 Browse and select the new firmware (e.g. xyz.bin), then press the upgrade button and follow the progress and instructions on-screen. **GaugerGSM** display will be turned off – this is normal.
- 4.5 Wait for the upgrade process to complete and click OK. Restart **GaugerGSM**.

5. Troubleshooting

Symptom	Recommendation
Installing Upgrade Tool	
Installation of the upgrade tool halts due to .NET Framework missing.	Install .NET Framework on your PC (2.0 or above). See http://www.microsoft.com/downloads/details.aspx?familyid=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en
Installation of the upgrade tool halts due to user permissions	Verify that you are a local administrator on the PC.
Installing USB driver	
USB driver installation is not complete	Open the device manager on your PC. Look for the USB to Serial Port driver in your Ports item. If a "?" appears besides this port, delete the port and re-install again.
Upgrading the firmware	
COM port is not found Or current firmware version is not displayed	<p>(1) Make sure GaugerGSM is turned on. Disconnect and then connect again the USB cable.</p> <p>(2) Select the Communication tab. Try automatic port selection then try manual port selection.</p> <p>(3) Shut off the Upgrade Tool then verify with the Windows Task Manager that a Gauger process is not running. Run the Upgrade Tool again.</p>
Upgrade process has halted	Restart GaugerGSM , restart your PC and try again.
GaugerGSM display stays blank after installation and restart	Restart your PC and try again.