

SonTek-SL3G™ Firmware/Software Version 4.0 Release Notes

SonTek-SL3G firmware and software version 4.0 has been released. A summary of the changes can be found in Section 2. To take advantage of the features of the new release, download and install the SonTek-SL3G firmware and software according to Section 3.

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1. System Information

SonTek-SL3G firmware version 4.0 applies to all SL15003G systems. It is highly recommended that users upgrade their systems with SW and FW 4.0, as these provide significant improvement to the performance and reliability of the instruments.

Users must upgrade their software to version 4.0 before attempting to install firmware version 4.0 on a system. Systems running firmware 4.0 will only be able to communicate with software version 4.0. *Note: Upgrading the firmware will take longer than usual, as the software will perform a format of the internal memory card prior to installing the firmware.*

2. Changes in Version 4.0

Changes in Firmware Version 4.0

- Enhancements and bug fixes to address communication issues
- File system changes to address recorder errors
 - Maximum recorder space is now 1 GB
- Power cycles/resets no longer create a new file
- Integrated velocity cell end and Multi-Cell end are now fixed when unit is in manual mode
- SDI-12 output now includes Integrated Velocity Cell end and System Status as output parameters
- Bug Fixes

Changes in Software Version 4.0

- Now compatible with .yfw and .ygz files
- Units in MATLAB export are now fixed instead of changing to user selected units; unit types match those in software version 3.0
- “Cell End IVC” added to “View Data” displays and export files
- Added cubic meters per hour flow unit

- “Start Data Collection” button disabled when SDI-12 output type selected
- Removed “Enable Extended Diagnostics Recording” function
- Bug fixes

3. Installing Firmware and Software Updates

To install *SonTek-SL* software version 4.0:

- Download software version 4.0 from the SonTek software and firmware page here: <https://www.xylen.com/en-us/brands/sontek/support/software/>
- Unzip SL.zip
- Run the setup.exe or .msi installation file.

To install *SonTek-SL* firmware version 4.0:

- Go to the SonTek website and download the zip file for version 4.0 from the SonTek software and firmware page here: <https://www.xylen.com/en-us/brands/sontek/support/software/>
- Extract the firmware .zip file
- Run *SonTek-SL* software version 4.0 and click the **Connect** button to establish communications with the SL
 - **Users must upgrade their software to version 4.0 before attempting to install firmware version 4.0 on a system. Systems running firmware 4.0 will only be able to communicate with software version 4.0.**
- Click the **Utilities** icon to access the **Firmware Upgrade** button
- Use the **Browse** window to select the firmware file (SL_4000.yfz)
- Select OK to proceed with the firmware upgrade
- Follow the software prompts to complete the firmware upgrade
- *Note: Upgrading the firmware will take longer than usual, as the software will perform a format of the internal memory card prior to installing the firmware.*
- Wait for the new firmware to install successfully before disconnecting

4. Contact Information

For additional information, please contact SonTek Support.

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