

SonTek-IQ™ Firmware/Software Version 4.0 Release Notes

SonTek-IQ 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-IQ firmware and software according to Section 3.

- **Section 1 – System Information**
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1. System Information

SonTek-IQ firmware version 4.0 applies to all SonTek-IQ, SonTek-IQ Plus and SonTek-IQ Pipe 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.

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 fix communication issues
- Improved reliability and performance of SDI-12 communications
- File system changes to address recorder errors
- Power cycles/resets no longer create a new file
- Bug Fixes

Changes in Software Version 4.0

- Now compatible with .yfw and .yfs files
- Units in MATLAB export fixed to behave the same as units and time in software version 3.0
- Fixed bug that would not compute area or flow if irregular pipe channel survey points were not entered in a specific order
- “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-IQ* software version 4.0:

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

To install *SonTek-IQ* 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.xytem.com/en-us/brands/sontek/support/software/>
- Extract the firmware .zip file
- Run *SonTek-IQ* software version 4.0 and click the **Connect** button to establish communications with the IQ
- Click the **Utilities** icon to access the **Firmware Upgrade** button
- Use the **Browse** window to select the firmware file (IQ_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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