

## ADVField Firmware Version 8.9

January 24, 2011

SonTek/YSI has released ADVField firmware version 8.9. This firmware corrects an issue in all previous firmware versions affecting autonomous deployments in 2011 and beyond. If you have any questions about these new features, please contact SonTek/YSI.

- Section 1 describes changes in version 8.9.
- Section 2 describes ADVField system requirements.
- Section 3 gives information for updating your system to firmware version 8.9.
  - Note: All production systems shipped on or after January 18, 2011 have version 8.9 already installed and do not require you to update the firmware.
- Section 4 gives contact information for SonTek/YSI.

### 1 Changes in firmware version 8.9

The only change is to correct the issue preventing autonomous deployments in 2011 and beyond.

### 2 ADVField System Requirements

The present firmware version must be verified prior to the upgrade. This can be done using *SonUtils*. If needed, download *SonUtils* version 4.20 (or later) from the SonTek/YSI website (<http://www.sontek.com/software.html> – All Software tab). Install *SonUtils* on your computer following the instructions provided.

Connect the ADV to a COM port on your computer. Run *SonUtils* and select the appropriate COM port in the upper left portion of the screen. Click the **Break** icon to establish communications with the system. After communication is established, send the command **VER**. This will display the present firmware version.

If it returns **ADV 8.5** or later, proceed with the instructions below. If the firmware is earlier than 8.5, please contact [support@sontek.com](mailto:support@sontek.com) with the system serial number. The system may need to return to the factory for a hardware upgrade.

### 3 Installing the Firmware Update

Note: All production systems shipped on or after January 18, 2011 have version 8.9 already installed and do not require you to update the firmware.

- Connect the ADV to an available **COM** port of your computer.
- Run *SonUtils*. Select the correct **COM** port in the upper left portion of the *SonUtils* window.
- Click the **Break** icon to establish communications with the system. You should see a wake

up message from the ADV in the *SonUtils* main window.

- Click **Instrument | Update Firmware**.

- The access code should load automatically.
- Use the **Binary** transfer mode, and be sure to select the **Verify new firmware** and **Use fast connection** boxes.
- Click **Start** when ready.

- The software will show an updating display as the new firmware is loaded. Random error messages may appear at the end of the upload process. This is normal. You can send another **VER** command to confirm the new firmware version.

## 4 Contact Information

We welcome any comments, questions, or suggestions you have regarding ADVField firmware version 8.9.

SonTek/YSI  
9940 Summers Ridge Rd  
San Diego CA 92121-3091  
Tel: +1 (858) 546-8327  
Fax: +1 (858) 546-8150  
E-mail: [support@sontek.com](mailto:support@sontek.com)  
Web: [www.sontek.com](http://www.sontek.com)