

# Software Release Notes

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## ProViewer 4.3.0

Aug. 6, 2015

### Introduction

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#### Overview

This release updates Teledyne BlueView's ProViewer 4 sonar interface software application, correcting software defects and adding a number of new features to the previous public release, ProViewer 4.2.1.

#### Technical Support

Although we have attempted to make this document as complete as possible, we realize that there are always additional unanswered questions, as well as unique situations not covered by this document. BlueView is committed to providing industry leading customer service and technical support for all of our products. For technical assistance please email your questions to [support@blueview.com](mailto:support@blueview.com), or contact our customer service department at 425-492-7376 between the hours of 8am and 5pm Pacific Time.

For the latest contact information, data sheets and other support material please visit our web site at:

<http://www.blueview.com>

### Updating Software

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ProViewer 4.3.0 can be installed alongside previous installations, so there is no need to uninstall software prior to the update. Some users may choose to uninstall previous versions to avoid confusion, in which case it is recommended that you run the native Windows software uninstall utility (e.g., Control Panel-->Programs-->Uninstall a Program) and delete any application shortcuts on the desktop.

ProViewer 4.3.0 is distributed via a Windows installer, *ProViewer4.msi*. To install, simply double-click the installer and follow the interactive prompts. Note that ProViewer 4 requires .NET 4.0 or later, and firewall provisions for network communications with a remote sonar and/or remote AppEx client.

# List of Updates and Changes

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The following list of updates is not exhaustive.

- Improved speed. Faster update rates in (non-realtime) file playback and live sonar operations
- Improved image accuracy, especially during file playback with manual sound speed changes
  - Users may notice stop-range scalloping in the individual image sectors when decreasing the sound speed during file playback. This is accurate and expected.
- Display sonar temperature (when available, sonar model dependent) in main window
- Allow hardware trigger output configuration (when sonar firmware supports it)
- Improved sector transitions, especially for M-series dual frequency and V-series sonars
- Default ping rate is restricted to 20Hz
  - Improves product life by reducing temperature during bench testing
  - Improves imagery by allowing sonar power supplies to fully charge between pings
  - User may still disable ping rate throttling through the Advanced Sonar settings menu
- Improved “Auto Intensity” color mode avoids image washout
- Faster sonar discovery
- Now possible to make measurements while live sonar display is paused
- Optionally display elapsed sonar connection time on main window display
- Image profiles are now displayed as points overlayed on the image rather than contiguous lines
- Improved pan/tilt communication robustness
- Better playback bar click and drag behavior. Clicking/dragging playback thumb now induces playback pause.
- Fixed issue with incorrect display of “Realtime Playback” selection
- Remove all image filtering/smoothing when option “Smoothing Filter” is disabled
- Manual Sensitivity/Intensity color settings are stored and restored between sessions
- Now able to switch heads on multi-head sonar while maintaining pan/tilt connection
- Default pan/tilt speed increased to 10 deg/s.
- Fixed invalid display of source level on initial connection to a sonar
- Can now display imagery for sonars with non-standard fields of view (e.g., 360-degree sonars, sonars with spatially separated transducers, etc.)
  - To support planned BlueView production sonars with non-standard geometries
- Image origin position now part of the AppEx XY image streaming
- Exported videos and screenshots now include Teledyne BlueView logo

## Known Issues

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- ProViewer crashes when attempting to connect/disconnect to a NMEA device on a port that is already in use
  - Work around: Verify that the COM port is not already in use before attempting to connect to it via the NMEA settings tab
- ProViewer cannot save to a file that is open in another application (fails silently)
  - Work around: Verify that any filename used in a save operation is not associated with a file open in another application
- Slider bars associated with live sonar settings can snap to different final positions than selected by user

- Work around: Drag range, source level, gain, and tvq slider bars slowly and verify their final position
- Some of the export video compression formats/codecs do not work and cause crashes
  - Work around: Use export formats *Full Frames* or *Microsoft Video 1* exclusively

## Planned Development

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- GPS/NMEA import improvements (easier configuration, autodetect NMEA devices, etc.)
- Redesign video export to support a full suite of compression options without crashing the application
- Hotkey pan/tilt control
- Drag-to-view ping slider bar
- File playback for “stored range/profile” files

### Teledyne BlueView Customer Support

[www.blueview.com](http://www.blueview.com)

425-492-7376

8am to 5pm PST Mon through Fri