

WinFrog v3.9 New Features

The following Change History details all modifications, refinements and corrections for WinFrog v3.9.

Change History for v3.9

v3.9.3 June 14, 2010

- Operating System
 - Updated to support Windows 7 32-bit.
- Installation
 - Updated Adobe Reader install to 9.3, Windows 7 compatible.
- Security
 - Upgraded DESKey to v2.4.0.6
 - ◆ Windows 7 compatible.
 - ◆ Corrected problem of USB dongle not being detected if it is removed and replaced while WinFrog is running.
- Devices
 - Cable Machinery - Plantscape
 - ◆ Implemented support for the cable count and cable speed for the LCE, CDE1, and CDE2.
 - ◆ Implemented support for retrieving double values from the Honeywell OPC server instead of float values.
 - GPS – POSMV (Binary-TCP)
 - ◆ Corrected appearance of an extra line in the Data window right mouse pop-up menu.
 - GPS – POSMV (Binary-UDP)
 - ◆ Implemented support for synchronizing WinFrog to the group 3 message.
 - ◆ Corrected appearance of an extra line in the Data window right mouse pop-up menu.
 - LBL – NS011
 - ◆ Corrected crashing problem associated with the device telemetry tab.
 - LBL – Sonardyne FUSION
 - ◆ Corrected indexing problem that resulted in POSITION data not being passed to the vehicle due to incorrect checking of the offset name in use.
 - Multibeam Sounder – Reson 71xx
 - ◆ Implemented decoding of the 7028 Snippet packet for display in the Multibeam QC window.
 - ◆ Implemented display of a running count of 7008, 7026, 7027 and 7028 packets in the I/O Device window Data window.
 - Sound Velocity - Applied Micro System Dual SVP Logger
 - ◆ Implemented support for zeroing both sensors independently and streaming data to the terminal window even when not logging.

- USBL – ATS
 - ◆ Corrected error that resulted in only the first beacon being decoded when messages for multiple beacons are being received and the Terminal Tab is enabled for any device window.
 - General
 - ◆ Corrected text in I/O configuration dialog for TCP and UDP devices associated with the IP entry controls, i.e. changed *Host Address* to *Local Address* and *IP Address* to *Host Address*.
 - ◆ Corrected string overwrite error that could occur with device types with long names.
 - Data Items
 - COUNT
 - ◆ Implemented the associated configuration of the use of tension for channels 3, 4 & 5 to the use of the count and speed for the same channels.
 - ◆ Corrected updating of the time of data for channels 1 and 2 to only occur if the respective channels have been selected to be the source of that data.
 - Windows
 - Vehicle Text
 - ◆ Made backwards compatible to WinFrog v3.7.0
 - ◆ Implemented option to display cable channels 3, 4 & 5 count and speed.
 - Anchor Window
 - ◆ Corrected the position logged to the manual event logs for Pick and Drop actions for the fairlead vehicle (e.g. barge) to be that of the respective fairlead, not the reference point of the vehicle.
 - Smart Remote Control
 - ◆ Corrected problem of window not loading properly if no computers were associated with the window when the initialization or configuration file was created.
 - Events
 - Auto Cable Events
 - ◆ Changed the default print setting to unselected.
 - Time Synchronization
 - Changed the default raw data logging setting to log only when time is adjusted to reduce unexpected large number of unnecessary time synchronization raw records.

v3.9.2 April 23, 2010

- Devices
 - Symmetricon XL-GPS/XLi (new)
 - ◆ Added new Symmetricon XL-GPS/XLi device under the TIME BASE device group to support the new XL-GPS and XLi Time and Frequency Systems from Symmetricon.
 - ◆ Supports serial communications.
 - ◆ Includes option to poll for GPS position.
 - Applied Micro System Dual SVP Logger (new)
 - ◆ Added new Applied Micro System Dual SVP Logger device under the SOUND VELOCITY device group.

- ◆ Supports serial communications.
- ◆ Supports 1 or 2 Applied Micro Systems SVP units.
- ◆ Monitors two simultaneous SVP casts to ensure consistent results, reporting any detected discrepancies.
- ◆ Display values from both castes side by side in the terminal tab.

v3.9.1 April 12, 2010

- Devices
 - OCTANS FOG (new)
 - ◆ Added new OCTANS FOG device under the GYRO device group.
 - ◆ Supports serial and TCP/IP communications.
 - ◆ Supports the OCTANS STD 1 message group or operator selected messages from this message set.
 - ◆ Supports HEADING, ATTITUDE and INERTIAL (new) data items.

v3.9.0 March 26, 2010

- Smart Remotes
 - Added the option to synchronize the Smart Remote WinFrog time to the Master WinFrog time, configurable at the Smart Remote.
 - Added the option to synchronize the Smart Remote PC time to the Master WinFrog time, configurable at the Smart Remote.
- Vehicle
 - Waypoints
 - ◆ Implemented the option to select a vehicle as the waypoint's icon, i.e. the selected vehicle's shape is drawn for the waypoint. The configuration includes the ability to offset the vehicle shape such that a point other than the vehicle's CRP lies at the waypoint, and to orient the shape to a specific heading. When a vehicle is configured to track a waypoint that uses a vehicle shape for an icon, the required change in heading for the vehicle to align with the shape icon can be displayed in the Vehicle Text window.
- Operator Window features
 - Graphics Window
 - ◆ Implemented the option to double-click on a waypoint in the window to access and edit the waypoint.
 - ◆ Added click and drag with the left mouse button to zoom in and out.
 - ◆ Corrected the drawing of waypoints that fall just outside of the bounds of the window to draw that portion of the respective icon and rings that lie within the window.
 - ◆ Added the Zoom Rectangle option to the window's right mouse pop-up menu.
 - ◆ Refined the grouping and exclusivity of the graphic toolbar buttons to improve intuitiveness.
 - Vehicle Text Window
 - ◆ Added the option to display the current vehicle fore/aft, port/starboard tracking offsets.
 - GPS QA/QC Window
 - ◆ Added window type to the window title.

- Data Logging
 - Automatic Event Files (*.DAT)
 - ◆ Corrected the re-loading of event files to load the data for all vehicles present, not just the first 10.
 - ◆ Corrected the re-loading of vehicle and offset names longer than 19 characters to load the complete name.
 - ◆ Eliminated requirement to select the Event vehicle in a Vehicle Text window before being able to setup eventing from the main menu.
 - ◆ Corrected the error of writing of the previous setup to the audit trail file when setting up the eventing.
 - Manual Event Files (*.LOG)
 - ◆ Added the saving and loading of the cable count, tension and speed for all five (5) channels to the LOG file.
 - ◆ Corrected the re-loading of vehicle and offset names longer than 19 characters to load the complete name.
- Devices
 - GENERIC Input
 - ◆ Added support for latitude and longitude hemisphere fields, e.g. “N, 3200.00,W,11700.00”
 - ◆ Implemented the capability to ignore leading characters in the data field, for Delimited or Fixed Length format messages, e.g. “,H123.5,”.
 - ◆ Corrected the detection and checking of the header term when using Fixed Length format. As a result of this error, previously a Fixed Length message could not use the header feature.
 - NMEA Output
 - ◆ Implemented the option to use either UTC time for output messages or local WinFrog time. Note that this is dependent upon WinFrog being synchronized to UTC.
 - USBL – Sonardyne
 - ◆ Add the option to apply a correction to the heading obtained from the USBL device before it is passed to the vehicle for use in the application of the USBL data.
 - USBL – Simrad 400
 - ◆ Add the option to apply a correction to the heading obtained from the USBL device before it is passed to the vehicle for use in the application of the USBL data.
- Utilities
 - Position Averaging
 - ◆ Added the option to configure the data collection based on the total number of fixes to collect and the respective fix interval.
 - ◆ Implemented automatic recalculation of mean position when data is removed from or added to the solution.
 - ◆ Added the option to save the average position to the Working Waypoint file.
 - KP/Coordinate Conversion
 - ◆ Added the option to enter and display the along line information using station format, e.g. 12+25.9 ft.
- General
 - Corrected an initialization issue for working files including lines, waypoints, events and manual events that could result in WinFrog to crash.