TZ Professional v3
The biggest TIMEZERO release ever!
New PBG Module

✓ Resolution has been doubled (now 1.5m x 1.5m)
✓ Automatic and real time extrapolation (no delay when customizing brush size)
✓ New “PBG Soundings” allows for PBG data to be displayed using soundings on the chart on all scales
✓ New function allowing to detect and remove automatically bad PBG data
✓ It is also possible to edit the 3D imported database (not limited anymore to the user data)
New Fishing Workspace

- Workspace exclusively dedicated to professional fishermen (PBG module needed)
- Simplified adjustment of the display settings for bathymetry and depth lines
- Unlimited colour scale in the « Discrete » range for customizing the seafloor display
- Limitation of the depth line display to certain depths and possibility to manually set up the interval (minimum of 0.2m) to focus on targeted fishing zones
- If the Bathymetry is not shown, depth lines are now coloured
New Profile window on Divider and Tracks

- This new window allows the depth profile to be displayed in a 2D view. It is available for both tracks and the Divider tool.
- Simultaneous display of the cursor on the chart and in the Profile window.
- Possibility to add a mark on the chart by double-clicking in the Profile window (allowing to quickly spot a specific location).
New 3D Cube Workspace

✓ By default, centered on the boat with possibility to adjust according to the heading

✓ Zoom/Dezoom and moving of the view directly in the 3D Cube Workspace

✓ More accurate rotation of the 3D view, for a better seafloor analysis

✓ Improvement of the exaggeration factor (Auto and Manual) to adapt the view to all types of underwater reliefs
Improvement to layer management

- Faster sorting and selection of work layers
- New Advanced mode allowing an easier management which is very useful especially when over 20 layers are opened in TIMEZERO
- Creation of presets allowing to create groups of layers
- Access to the presets directly from the ribbon
Alarm zones

- Set of alarm zones for AIS and ARPA targets
- Triggers a sound when an AIS or ARPA target enters in the area
- Lines can be used to set alarms (crossing)
AIS class A configuration

- AIS MKD: allows to set up the status of an AIS class A directly from TZ Professional
- Dialog box for entering data related to the voyage AIS from TIMEZERO
- Modification of the AIS status
- AIS Text messages can be sent directly from TIMEZERO
ENC S57/S63 Compatibility

✓ Import and display of S57 native charts directly in TZ Professional

✓ S63 module is now available to read official ENC charts (from Primar, UKHO or Chartworld, for example)

✓ S57/S63 chart catalogue including advanced management of chart display
New Optional “Voyage Data Recorder” module

- Allows to record boat data (position, speed, depth, etc.)
- Also possible to record data about ARPA/AIS targets as well as the radar image and the alarms
- Records up to 1 month of data
- The time bar in the Planning Workspace allows to easily replay this data

The red boat is “real time” and the blue boat represents the “recorded” time.
New «Events» window in the NavData bar

✓ Allows to quickly drop «Events» with the mouse

✓ Customization interface for icons and colours associated to the properties of the keypad
New «Quick Access» function in the NavData bar

- Allows to customize action buttons

In this example, we have set 3 buttons so we can easily shift from DAYLIGHT mode to DUSK or NIGHT mode
Anti-Grounding Cone

- Triggers real-time alarms when an obstacle enters in the cone
- Works with vector chart information (buoys, rocks, etc.)
- Detection of the height of nearby bridges
- Detection of insufficient depths based on vector charts or 3D Carto database (configurable)
Security control on routes
✓ For each Waypoint added, TZ Professional checks the information of the vector chart to know if the depth is sufficient for the safe passing of your boat (GREEN= OK / RED= DANGER)
✓ Works with vector chart information (buoys, rocks, etc.) and/or 3D chart database

New Route Planning Wizard
✓ A route wizard is displayed when a route is created
✓ Offers a calculation for the optimal route based upon tides and currents (optimal departure time, arrival at high tide, etc.)
Display on 3 screens

- Up to 3 monitors can be used simultaneously (powerful graphics card needed)

- Independent Workspaces
You’ll find below the exhaustive list of all the new additional features:

- **Radar Preset** save radar settings for specific conditions (bad weather, calm sea, etc.) and recall them.
- **Camera Preset** save camera position, zoom and recall them.
- New Tools available (hidden by default) allowing one to **acquire ARPA targets and control a camera**. Useful with touch screen monitors where right click can be difficult.
- **New shortcut** enables a mode that allows for **radar adjustment of the Gain/Sea/Rain with the scroll wheel** (similar to NN3D rotary knob).
- **New ARPA Algorithm** available in TIMEZERO (choice of Furuno Radar or TIMEZERO ARPA) with Automatic ARPA acquisition (guard zone).
- Compatibility with fishing **Ryokusei** Buys proprietary NMEA sentence (display the Buoy on screen and right click on them to request a position update).
- **Possibility to “lock” TIMEZERO with a password** to protect some settings and preferences (Options, Connection Wizard, Toolbar/Ribbon/NavData configuration).
- **Possibility to “enable a “shell” to prevent the user to access the computer**.
- **Possibility to record a Workspace configuration** and recall it using a shortcut, using the right click on the workspace title or automatically at startup (using a parameter shortcut).
- **Manual and Automatic XTE per leg**.
- **New UTM Coordinate system** added to the coordinate unit selection.
- **Ability to select the coordinates unit directly from the Manual Input window** (without having to change the coordinates of the software).
- **Lost Sensor Alarm** (GPS, compass, sounder, etc.)
- **Print Route Feature** (print the Route Detail List).
- **New Shortcut and Tool to save a screenshot**.
- **Possibility to link two routes** (using right click).
- Customer can either use the real time speed or planned speed in the Active Route calculation (ETA, TTA...).
- **New Odometer NavData** (Duration, Distance, Max Speed, Average Speed).
- **New Location feature under POI**, allowing to save the chart location and recall them from the Ribbon or using a shortcut.
- **Surface computation** added to the boundary area and boundary circle property window.
- **Offset and Damping for SST, Wind and Speed**.
- **Sensor Offset & Damping**.
- **Possibility to adjust NMEA2000 Priority using sensor instance numbers**.
- **Coastal Explorer Import compatibility (USA competing software solution)**.
List of improvements:

- Improved compatibility with AXIS cameras (latest Quad Converter)
- AIS SART Improvements (support for SART Test and new pop-up window asking to center or create a go to an active AIS SART)
- Added Cross Screen Cursor position label to permanently show the cursor position on the map
- Transmit directly from Radar screen (click on “Standby” button in the middle of the screen)
- New ActiveCaptain API
- The chart Range/Scale (lower left of the screen) blinks when over-zooming. Possible to restrict overzoom on vector charts
- Improvement in the route assistant to calculate the speed
- Possible to remove currents from a route leg and disable currents computation on the Active Route
- Alarm List Improvements with the addition of a new column (Category) and option to filter the list
- Undocked NavData improvement that now belongs to a Workspace
- It is possible to right click while pressing the CTRL key down to copy a position in the clipboard (to paste in an email, notepad or in a field in TIMEZERO accepting Lat/Lon)
- GPS NavData Improvements with new “Poor GPS” Alarm
- Shortcut Improvements
- Track Selection Improvements
- Thickness and color setup for Heading Line
- New option allowing to disable the Inertial Scrolling
- New option allowing to disable AccuFish icon displayed on the chart
- Watchdog allowing to restart automatically TIMEZERO in case of a problem
- Automatic Reconnection on TCP lost
- New log mechanism for troubleshooting (log can be sent automatically from Start menu “Send Troubleshooting log”)