TimeZero Professional V3.1
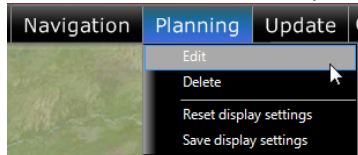
Main New Features

New WorkSpace management:

Customers are now able to create their own "custom WorkSpace" and split the screen 3 or 4 ways. To create a new custom WorkSpace, simply click on the "+" icon located at the right end side of the WorkSpace bar to open the configuration window:

To edit or delete a WorkSpace, simply right click on it and choose the corresponding option:
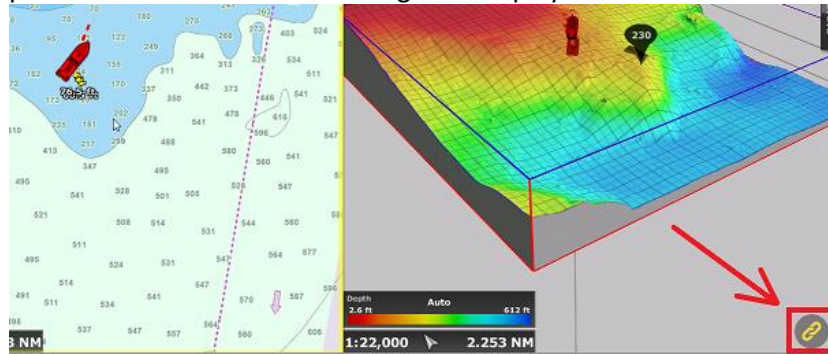

WorkSpace configuration can also be saved. This means that the customer (or dealer) can adjust the WorkSpace the way he wants (Toolbar, Ribbon, Chart Selection, Layer, Zoom Level…) and save the "Display Settings" (right click on current WorkSpace). If the WorkSpace configuration is changed, the default settings can be recalled easily by right clicking and selecting "Reset display settings". A shortcut parameters can even be added to reset automatically all WorkSpaces that have a display setting saved at startup!

Note: You can only "Edit", "Reset/Save Display Setting" the current WorkSpace (the WorkSpace currently selected).

3D Cube "Slave" mode

The 3D Cube now offers a "Slave Mode" (under the "Mode" button in the Ribbon). This mode is only available when a WorkSpace contains a 3D Cube display and a Navigation display (ex: when the screen is divided in between Navigation and 3D Cube) or when using multiple screens. When the Slave Mode is available, an icon will appear on the lower right corner of the 3D Cube display allowing to link the 3D Cube center

point and zoom level to the Navigation display:

The user is able zoom and pan on the Navigation chart and the 3D Cube will automatically match the zoom and location. Note that if you manually pan the 3D Cube, then the Slave mode will be disabled automatically.

New Furuno Radar Compatibility

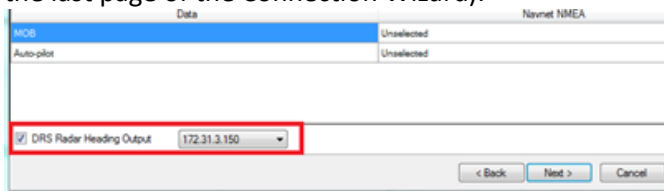TimeZero v3.1 is compatible with the new Furuno Radars below:

- DRS4DL (low cost DRS radar)
- DRS4D-NXT (Solid State Doppler radar with Target Analyzer)
- DRS6-XCLASS (newer generation of DRS radar)
- FAR3xx0 (high end commercial radar available in Solid State)
- FAR15xx (lower cost commercial grade radar)

Note that the IP address of the radar does not needs to be modified anymore like with previous version of TimeZero! Radar (sounder & MFD) are now dynamically detected by TimeZero (TZ does not rely anymore on a specific IP address). Detected Furuno sensor and MFD are now listed under the "NavNet" options.

IMPORTANT INFORMATION REGARDING "PC-Radar": Per FND policy, some radar may be connected directly to TimeZero Professional V3.1 without MFD (this solution is usually referred as "PC-Radar"). Without any MFD on the network, TimeZero must output some information to the DRS radar (not applicable to FAR series radar) and must be connected to a heading sensor.

When running the Connection Wizard, TimeZero will look **at that time** if a DRS without MFD has been detected on the network ("PC-Radar" mode). In that case, TimeZero will enable output to the DRS (on the last page of the Connection Wizard):
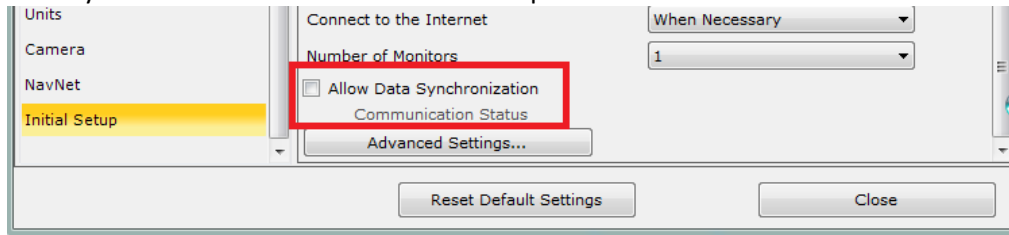

If an MFD has been detected, this option will NOT appear (because the MFD will be in charge of sending information to the Radar).

TZtouch 2 Compatibility

TimeZero v3.1 can synchronize Route & Waypoint with TZT2 and fully support its internal Sounder (including Bottom Discrimination and "RezBoost").

TimeZero Route & Waypoint Synchronization

Multiple TimeZero Professional V3.1 on the same (local) network, will be able to synchronize automatically their routes, waypoints, boundaries and annotations (without any MFD). This feature can be interesting on larger vessel (yacht) and for specific project (Coast Guard) that requires multiple TimeZero WorkStations on the same vessel. The Synchronization can be enabled by selecting "Allow Data Synchronization" from the "Initial Setup" menu:

Note: The synchronization would not work for database with large amount of data (ex: Fishermen). The Synchronization will not work when connected to NavNet MFD (in this case the Synchronization is made by the MFD).

FLIR M400 compatibility

TimeZero v3.1 is compatible with the new FLIR M400 Camera. This is a high end FLIR that comes with a better Infra-Red sensor (Sharper Image) and a much better Daylight Camera (comparable to a good AXIS). It also integrates a powerful beam light that can be used to illuminate a specific area or signal other vessel (TimeZero can control the light too!). If a customer wants a better camera than the traditional M-Series, the M400 is the perfect solution (big Yacht, Coast Guard…)

Note that an AXIS video converter is still required to bring the video into TimeZero Professional. TimeZero cannot accessed directly the H264 encoder of the Camera.
Note: TimeZero is now using the "CGI Nexus API" improving overall reliability and adding some new functions such as "Parking" the camera directly from TimeZero (also available with M-Series).

Turbowin (Sodena) Import

TimeZero v3.1 can import data (marks, Areas, Routes & Tracks) as well as PBG data from Turbowin.

SQL Server

No more SQL server! It has been replaced by SQlite that does NOT need any prerequisite! This means faster installation and less problem!
IMPORTANT NOTE: The first time TZ Professional V3.1 is opened, the database will be converted automatically to the new format. TimeZero will also convert automatically old Backup Collection
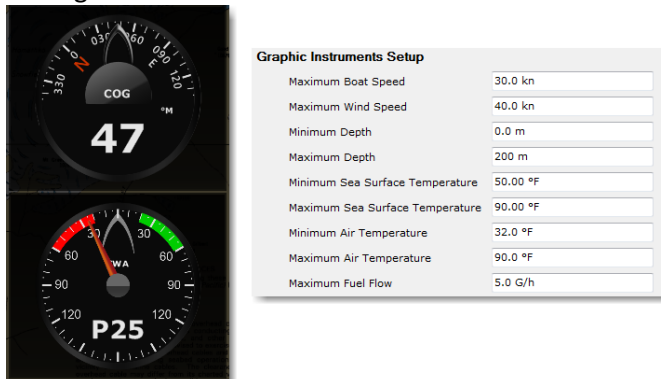
(.TZBACKUP file) that are imported if SQL Server has been installed on the computer.
Because we do not install SQL Server anymore with TZ V3.1, if you attempt to import an old Backup Collection file (that uses SQL Server) on a new computer, you will get a warning. You will have the option to either install SQL Server on the computer (for the new version to be able to read SQL Server file) or send us your database so that we can convert it (basically re-exporting the Backup Collection file from v3.1 after importing it).
Note that this does not apply to TZD files that are NOT using any SQL component to exchange data. This means that you can import any TZD files (even generated from old version) without having to install SQL Server.
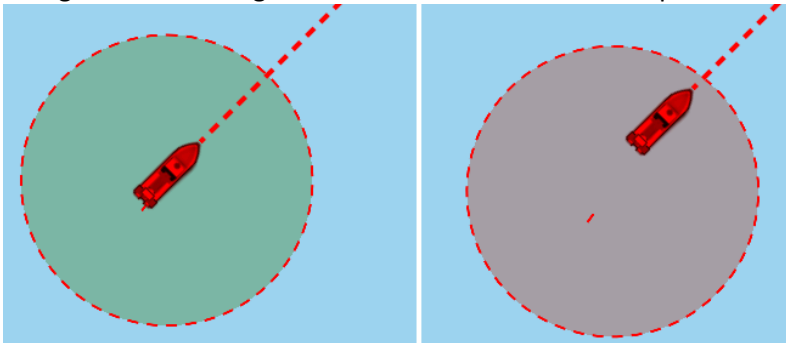
New Graphic NavData design

TimeZero Professional V3.1 includes new graphics for the NavData (that matches TZtouch2). New settings are also available to customize the scale of each Graphic NavData:

Misc. Features

- Possible to export track points in a CSV file. This allows a customer to open and see in Excel all track points parameters
- "Undo/Redo" are now available with shortcut and Quick Access NavData
- Compatibility with DNC chart - for specific military project (requires S63 module)
- Events (0 to 9 keys) are now available with shortcut and Quick Access NavData. This is useful to create multiple Quick Access NavData that can drop various type of events! For example, you can create a Quick Access NavData that enable the track and drop a specific event. You can then create another Quick Access NavData that stops the track and drop another event.
- Registration required in TZ Professional to download weather file (like TZ Navigator)
- The Anchor Alarm has been improved to be more visible and displays dynamically a green or red background according to the distance from the anchor point:
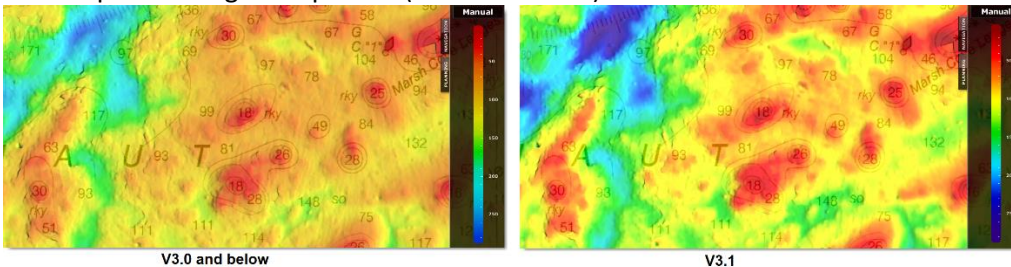

Also, the location of the Anchor point can be adjusted on the vessel (bow of the vessel by

default). This gives accurate result even if the boat "swings" around the anchor (when you have a heading sensor connected).

- AXIS Camera improvement: automatic reconnection in case of network interruption and discovery of IP address (new "Scan" button)
- Split Route improvement. Customer can now choose if they want to split on the leg or on a waypoint
- Battery voltage is now displayed with Ryokuseisha buoys
- POSREPORT improvements (with FTP tool) – useful for specific fleet tracking project
- New proprietary sentence to display an "external cursor" on the chart (green square). This can be useful in conjunction with a tool that we can provide that converts any standard GPS sentences to the proprietary "External Cursor" sentence. Applications includes ROV positioning, second GPS reference, tracking…

- TZ professional is now compatible with Dual Tap (2D/3D switch) and Dual Drag (3D Orientation) gesture when connected to a multi touchscreen monitor.
- Automatic Sounder History reset (if the customer drag back the sounder to display the history, it is automatically reset to real time after 5 minutes).
- New Depth Shading color palette (better contrast):

- New improved Worldwide Tide database.
- Panoramio POIs has been discontinued by Google and thus has been removed from TimeZero
- It is now possible to have more than 200 layers
- Humidity can be displayed in TimeZero (using the NMEA0183 "XDR" sentence with "H" parameter)
- The NMEA0183 "XDR" sentence can be used to receive Pressure (using "P" parameter) and Air Temperature (using "C" parameter).

*__IMPORTANT:__ The official compatibility with WASSP (G1/G2 and new G3) will be supported with TimeZero Professional **V3.2** that will be released shortly after V3.1.*
V3.2 will bring many exciting features for WASSP users (old G1/G2 generation and new S3/F3 generation).