



NAVnet

TZ
touch

Software Revision History

TZtouch Software History

TZtouch V6.03 Software (Dec 2020)

New: Compatibility with DRS6ANXT, DRS12ANXT, and DRS25ANXT

Fixed: When "GOTO" function is activated for the first time after start-up, the system will provide NavData to pilot on first attempt.

Improved: FLIR IP video speed improved for cameras like the M232.

Improved: If VDO sentence from FA170 is converted with Actisense Gateway and received; own ship AIS icon does not appear.

Improved: If AIS reception is timed out, the static information of the AIS target can be kept until the unit is powered off.

Fixed: Local time offset values in PGN129033 are corrected.

Improved: World Magnetic Model is updated. (WMM2010 -> WMM2020)

Improved: After [Lock Touch Screen] is disabled, the system can be operated using the RotoKey (TZT9/14 only)

Fixed: TZT will not reboot if connected to older BBWX1 or BBWX2 weather receiver.

TZtouch V6.02 Software (July 2019)

Improved: US Marine Zones updated and improved for faster display (requires Marine Zone be updated separately)

Improved: Tide file upgraded to Tides-12 (requires tides to be updated separately)

Improved: Fish Finder source is backed up.

Improved: XTE output value is improved (PGN).

Improved: MCU-004 detection on TZTBB is improved.

Improved: Removed track synchronization between display units to improve performance

Improved: NMEA 2000 communication improved

Improved: Processing of tracks is improved for system stability

New: Compatibility with new BBWX4 Sirius Weather Receiver

New: Canadian Maine Zone compatibility for BBWX3 and BBWX4 (requires Marine Zone be updated separately)

New: Compatibility with Fusion APOLLO series (MS-RA770, MS-SRX400) and 755 series (MS-AV755, MS-UD755)

New: FLIR M232 compatibility (IP camera type)

New: FLIR M400 compatibility (analog video connection only)

New: DRS4D-NXT 48 NM range scale compatibility (requires radar software also be updated)

New: Target Analyzer accessible while COG and SOG are lost

New: SC-33 setup for WAAS, heading offset, pitch/roll offset

New: FAR-15x3/x8 connectivity via LAN

Changed: "ARPA DETAILED" menu removed

Changed: Navigation mode selection for end-of-route added - Stop NAV(NAVpilot)/Stop NAV(Zeus)/Continue Nav

Fixed: Sirius weather lock up problem

Fixed: AIS looping issue is fixed.

Fixed: MCU-004 cursor issue is fixed. (the cursor was not shown for access from one TZTBB to the other TZTBB)

Fixed: IF-NMEA2k2 contention between displays resolved (causes processing delays)

TZtouch V5.01 Software (April 2017)

New: Compatibility with new Radar sensor models DRS12AX and DRS25AX

New: Compatibility with DFF3D Multi-Beam Sonar

New: Full compatibility with MCU004

New: When the NAVpilot-711C is in SABIKI mode, the TZT9/14/BB will show the mode as [SABIKI].

New: AIS data received via NMEA2000 PGNs is output to Ethernet.

New: Point density menu setting.

Changed: Time indication can be selected between 24-hour and 12-hour. Previously, time indication was based on the language setting.

Changed: The maximum Radar range scale is now 96 NM.

Changed: Sirius disconnect alarm.

Changed: Hidden route feature originally offered in v4.11 removed due to customer feedback.

Fixed: Oil pressure indication issue is fixed.

Fixed: Issues related to active route synchronization and route database are fixed.

Fixed: Magnetic variation adjustment is fixed.

TZtouch V4.21 Software (June 2016)

New: Compatibility with Radar models DRS4DNXT and DRS6AX

New: Sirius Wave/Wind animation with BBWX3 is added

Changed: The internal temperature to activate the external fan is lowered

Fixed: Active route synchronization with Maxsea/Nobeltec TimeZero

Fixed: Sirius disconnection alarm is when the BBWX1/2 or BBWX3 is connected

Fixed: Fish Finder indication in Demo mode is fixed

TZtouch V4.11 Software (January 2016)

New: Hidden route feature

New: Screen lock control

New: Compatibility with Radar model DRS4DL

Improved: Hiding CPA line

Improved: Trip Reset in Data Box changed

Improved: Autopilot control window and Highway mode layout

Changed: Intercept on/off feature is now in the service man menu

Changed: AIS target colors are now back to their original colors, Blue and Green, Magenta is no longer used.

Fixed: Browser for FAX30, FA30, FA50

Fixed: Nickname in Sensor List page

Fixed: Will display AIS targets from ICOM model IC-M506

TZtouch V4.03 Software (December 2015)

Fixed: Added Radar heading line back that was removed in 4.01 software

TZtouch V4.02 Software (August 2015)

Fixed: Error message on TZT when connected to a Sirius BBWX3 receiver

Fixed: Active waypoint Goto synchronization between TZT and NN3D, and Maxsea/ Nobeltec TZ software

New: Course up display using COG when no heading sensor is available

TZtouch V4.01 Software (April 2015)

New: Compatibility with Sirius Weather Receiver Model BBWX3 (US and Canada Only)

New: Easier Day/Dusk/Night Mode Adjustment on Power/Brill Window

New: Real time CPA Line

New: AIS Message 6/8/12/14

New: Intercept Feature

New: Blue Force Tracking (BFT)

New: TLL Input via Model IF-NMEA2K2

New: Date and Time Information added to Points

New: Tracking by Depth and SST Variations

New: Adjusting Satellite Photo Overlay

New: Color Tone Adjustment added to FLIR M-Series

New: Automatic Volume Adjustment by Speed for Fusion

New: Added B275LHW/CM275LHW transducer selection for Model DFF1-UHD

New: Added Cursor Information in a Data Box. Can move finger around screen and get real-time cursor info

New: Odometer and Trip information from a GPS can now be displayed in a data box

New: Trip information can now be reset from the data box

New: Odometer information can be reset in the Service Man menu

New: Radar On/TX time can now be reset in the Service Man menu

Improved: Navpilot 700 control window. A new ¼ screen size is now available along with updated graphics

Improved: Highway mode window. A new ¼ screen size is now available along with updated graphics

TZtouch V3.12 Software (June 2014)

New: Operation with new MCU002 remote controller for TZT9/14/BB

New: Highlighted selection option in orange on Pop-up window

New: Auto power setting for DFF1-UHD

Improved: User interface and visual impression

Improved: Enhanced position resolution for DSC position

Improved: Optimized active route synchronization with NN3D and Maxsea TZ

Improved: "No chart master" notification

Improved: Class A-AIS target lost error, Targets less than 3kt were lost in 50 seconds. This has been changed to 10 minutes

Improved: When a Navpilot 700 is connected to a TZT MFD, PGN 129283 and 129284 are sent for 30 seconds after arrival to the final WPT

Fixed: Track record setting stays on after power is cycled

Fixed: Heading error caused by PGN 127237 (Heading/Track control). Boat switching between true and magnetic

Fixed: Depth offset output values corrected

TZtouch V3.02 Software

Fixed: When the language is changed to one other than English, Chinese, or Japanese the following conditions can happen. -The set course of the TZT and the NAVpilot 700 may not match right after the mode is set to Auto on the TZT's Autopilot display. -The set course may be restored even though it is changed in the TZT.

TZtouch V3.01 Software

- New:** Compatibility with CHIRP Sounder DFF1-UHD
- New:** Control for Fusion MS700 series via Ethernet
- New:** Autopilot control with NAVpilot-700 series
- New:** Compatibility with Axis H.264 format, cameras and video servers
- New:** Compatibility with the FAR-2xx7 radar
- New:** Compatibility with the FCV-1150 sounder
- New:** External Touch screen mode for TZT14 only
- New:** Second Guard Zone and Blank Sector in the radar display added
- New:** Weather data shared between displays via Ethernet
- New:** Newly available data in Go to box, TTA and DTA
- Improved:** Indication for wireless LAN status
- Improved:** SST color bar slider scale added to right side of screen
- Improved:** Route and point transfer to NN3D
- Improved:** Optimized active route synchronization with NN3D and Maxsea TZ

TZtouch V2.01 Software

- *New:** Auto Chart Selection function allows the plotter to automatically select a chart source according to the area, zoom level, and availability of charts on an SD card
- *New:** The Auto 3D Exaggeration function allows the plotter display to automatically adjust the best 3D vertical scale for both altitude and bathymetry
- *New:** It is now possible to “Pinch to Zoom” in 3D
- *New:** Heading Sensor is no longer required.
Note: radar overlay, ARPA, radar orientation (North Up) and specific radar filters (such as Echo Averaging and True Echo Trail) still require a Heading Sensor.
- *New:** Vessel icon orientation can now be set according to COG or Heading (according to user preference)
- *New:** Conventional radar EBL and VRM functions are now available
- *New:** The radar Watchman feature has been implemented
- *New:** It is now possible to create points from the Weather & Tide page
- *New:** NavCenter GRIB files can now be loaded from an SD card
Note: the GRIB files have to be downloaded from MaxSea or Nobeltec TimeZero then copy onto an SD-Card.
- *New:** The Sirius Marine Zone can now be displayed in the Weather & Tide page
- *New:** The Sirius Diagnostic display is now available

***New:** PGN 127505 (Fluid Level) & PGN 127489 (Fluid Flow), can now be used for fuel management, providing useful information like the Tank Level (up to 4 tanks), Fuel Range Ring and Maximum Range on Active Route.

***New:** Touch-screen Pan, Tilt and Zoom control of AXIS IP Cameras. *Note:*
AXIS IP Camera with MPEG4 capability required

***New:** Compatibility with the AXIS Video Server (AXIS241Q) which will receive up to 4 analog video inputs and then convert them to the Ethernet (in the MPEG4 format).

***New:** Can now integrate with FLIR M-Series cameras; making it possible to set the camera to lock-on and track an AIS or other target.

Note: Only compatible with non-stabilized M-Series models

***New:** A second data box, in Full Screen and 2-Split Screen, is now available to make more data available to the user at a glance.

***New:** The Highway Mode and ROT (Rate of Turn) information are now available as options, to display in the Data Box.

***New:** Up to 1000 screen images may now be saved and associated with events as they are created.

***New:** Various data can be recorded automatically in the Event Comment (SST, Depth, Date...)

***New:** Tracks may now be imported and exported to an SD card.

***New:** Will now be able to download future software revisions via the Internet.

***New:** For those Internet access points that require a login ID and password, a Web Page will now be able to be opened to enter this information.

***New:** [None] is now available as a selection for the Function Gesture option. This makes it possible to disable the dual-tap function gesture.

***New:** Tapping on a fish Icon displays a pop-up window showing fish size, depth, bearing and range.

***New:** It is now possible to set a Manual Demo Heading and a Manual Demo Speed.

***New:** A new button is added to the Sensor List menu that allows the Data Sources to be reset.

***New:** iPad Remote Management (a notification is displayed on the TZT when an iPad is connected to remote control and can be blocked)

***New:** Full Screen Instrument Page

***Improved:** A larger font size in the MENU, Icons and lines provides increased visibility.

***Improved:** The Depth Shading user interface has been improved.

***Improved:** Various Virtual Keyboards improvements.

***Improved:** The virtual keyboard, used to enter passwords for SSIDs, has been redesigned.

***Improved:** The shaded edges of Rotokey items mean that there are more selections to continue.

***Improved:** Tapping a point will also, now show the bearing and range from the own-ship position in a pop-up window.

***Improved:** Camera settings are moved from [Menu] – [Initial Setup], to a dedicated [Camera] menu in the Main Menu.

***Improved:** AIS and DSC are now easier to sort, because they are now in separate lists.

***Improved:** Points list can now be sorted by Range.

***Improved:** The search feature provided in lists, has been improved.

***Improved:** In the Data Source Menu, sensors that are available in the network are automatically listed in each category according to the preset priority.

***Fixed:** With previous software versions, when connecting to the Internet by entering a password or an SSID, the progress bar would occasionally continue to scroll even after the connection was established. This is now corrected.

***Fixed:** With previous software versions, Magnetic Bearing (such as COG) could not be displayed with some hardware configuration

***Fixed:** For security reasons, previous software versions prevented the TZT9/14 from accepting incoming data from and access points with Class A or Class B IP addresses. This was commonly the case when using a smart phone as the access point via tethering. In these cases, even after the connection was established between the TZT9/14 and the access point, weather data would not be available to download. This is now corrected.

TZtouch V1.05 Software

***Improved:** Adjustment of local time offset

TZtouch V1.04 Software

Initial Release