



MAXSEA

App User Guide

User Guide v02

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To adjust the chart view you can use the following on-screen actions:

- Pan around the chart by placing one finger on the screen and dragging in the desired direction.
- The MaxSea TimeZero App uses the standard “pinch” functionality to zoom in/out and to pan across the chart. To do so, place two fingers on the screen and pull them apart or towards each other in the area of interest.
- The “two-finger rotate” on screen allows you to move and change the chart orientation view.
- The “two-finger tilt” on screen moves from left to right or from top to bottom and allows you to adjust the 3D view’s level of tilt in order to change the chart perspective.
- Tap anywhere on the chart to display the context menus.
- When you perform a long tap on a chart object, you enable the Move function.
- When you perform a dual finger long tap on the chart, you enable the Configurable functions such as Camera function, Screen capture or adding events.

What's New in Version 1.2

Improvements

- [Tidal Data Graph](#)
- [Camera Integration](#)
- [Data Exchange: Import/export Marks and Routes](#)
- Event Configuration
- Gesture Shortcut: The dual finger long tap

General User Interface



Fig.1: The different parts of the interface

The Chart Slide Bar

1. This feature, as well as the + and – buttons, allows you to change the scale of the chart. You can also "pinch" the tablet screen to zoom in and out.

The Toolbar

2. The **NavBar** displays a list of tools such as Track on/off, Activate/Deactivate the route, the Ruler to calculate distances and the Plus Menu to access additional functionalities.
3. The **Undo-Redo buttons** allow the user to cancel an action.
4. The **Center Vessel button** instantly centers the chart display on the boat. Once a tool is activated (e.g. ruler, route tool etc...) the button displays as "Terminate..." Tapping this button will end the current action.
5. The **Parameters button (MaxSea)** shows the various options for configuring the App.
6. The **Layer Selection tab** allows the selection of additional items to be overlaid on the chart: e.g. satellite photos, tides, routes and the marks that you have saved, etc.
7. The **Chart Scale** indicates the scale of the chart display in distance. This display also contains buttons that allow you to switch between 2D and 3D display and between NorthUp and HeadUp. You can show or hide the **Chart Slide Bar** by tapping the chart scale value.

8. **NavData:** all navigation data is displayed here, either as text or as a graphic. You can show or hide NavData and configure the data so that it is displayed according to your preferences.
9. **ToolTip:** by tapping an object or the chart, the user displays the most important information related to this object. A menu also appears with a list of actions that can be carried out on the selected object.

Managing charts in the iPad

How to buy Charts



When you are connected to the Internet, tap on the  button. Then choose "**Order New Chart**" to view the list of charts that are available for purchase online.



To purchase a chart, tap on the button displaying the price. Apple will then ask you to validate your order.

Charts that you have purchased will then be freely available on demand in your App.

Notes:

1. *If you have to re-install your iPad App, tap on "**Restore purchase**" to restore all the charts you have previously bought.*
2. *If you have not yet purchased any charts, the App will start in demo mode; when you purchase a chart, the App will automatically switch to the navigation mode by using your built-in GPS device. Meanwhile you can activate or deactivate the demo mode at any time by selecting the corresponding option in General Parameters.*

How to download charts on your iPad

To improve the display speed and have all your charts stored in your iPad cache memory at any time (even if an Internet connection is not available):



Tap on the  button and select "**Manage Chart**".



Note:

1. The cells that are **grayed-out in a dark gray color** show you that charts do not currently exist or have not been purchased.
2. Charts that have been purchased are also displayed in grayed-out cells, but this time in a **light gray color** to signify that they are not stored in the cache memory.
3. Cells that are **not grayed-out** are charts that have already been copied to the iPad local cache memory.

How to download one or more cells at a time

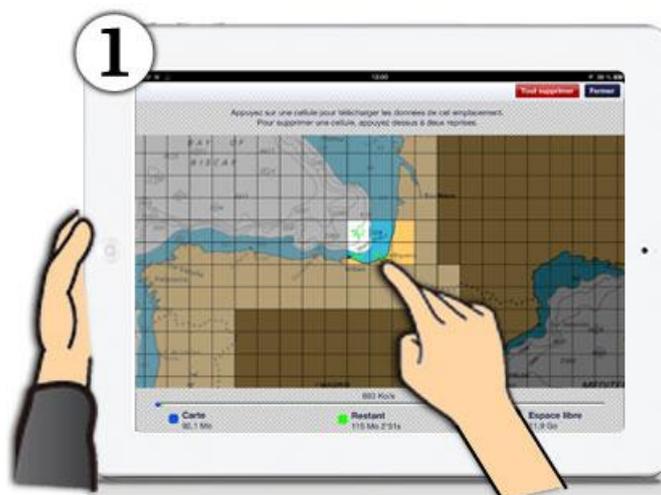


fig.1 - Tap the cell of each individual chart area that you want to store in the iPad local cache memory.

Note: A progress bar at the bottom of your screen will display the remaining percentage until storage is complete, as well the free memory space currently available.

How to delete cells from the iPad memory

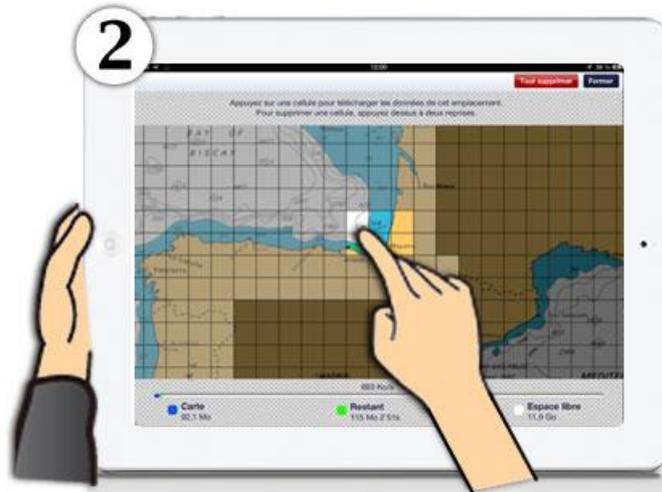


fig. 2 - Tap on a downloaded cell (not a grayed-out one) to activate the delete function. The cell will then be filled with a red color and a blinking trash icon will appear.

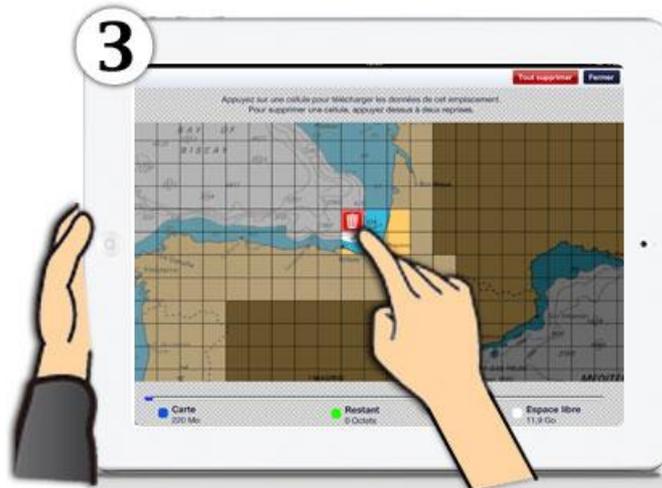


fig. 3 - Tap the cell (that has been filled in red) a second time to delete it from the iPad memory.

How to remove all cells from the iPad memory

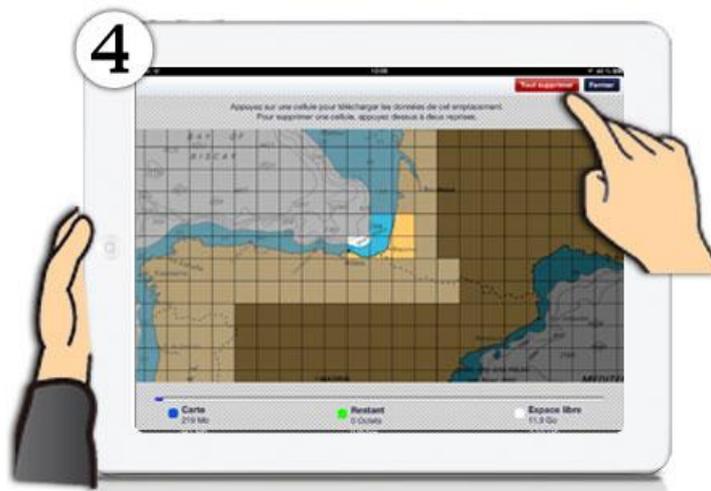
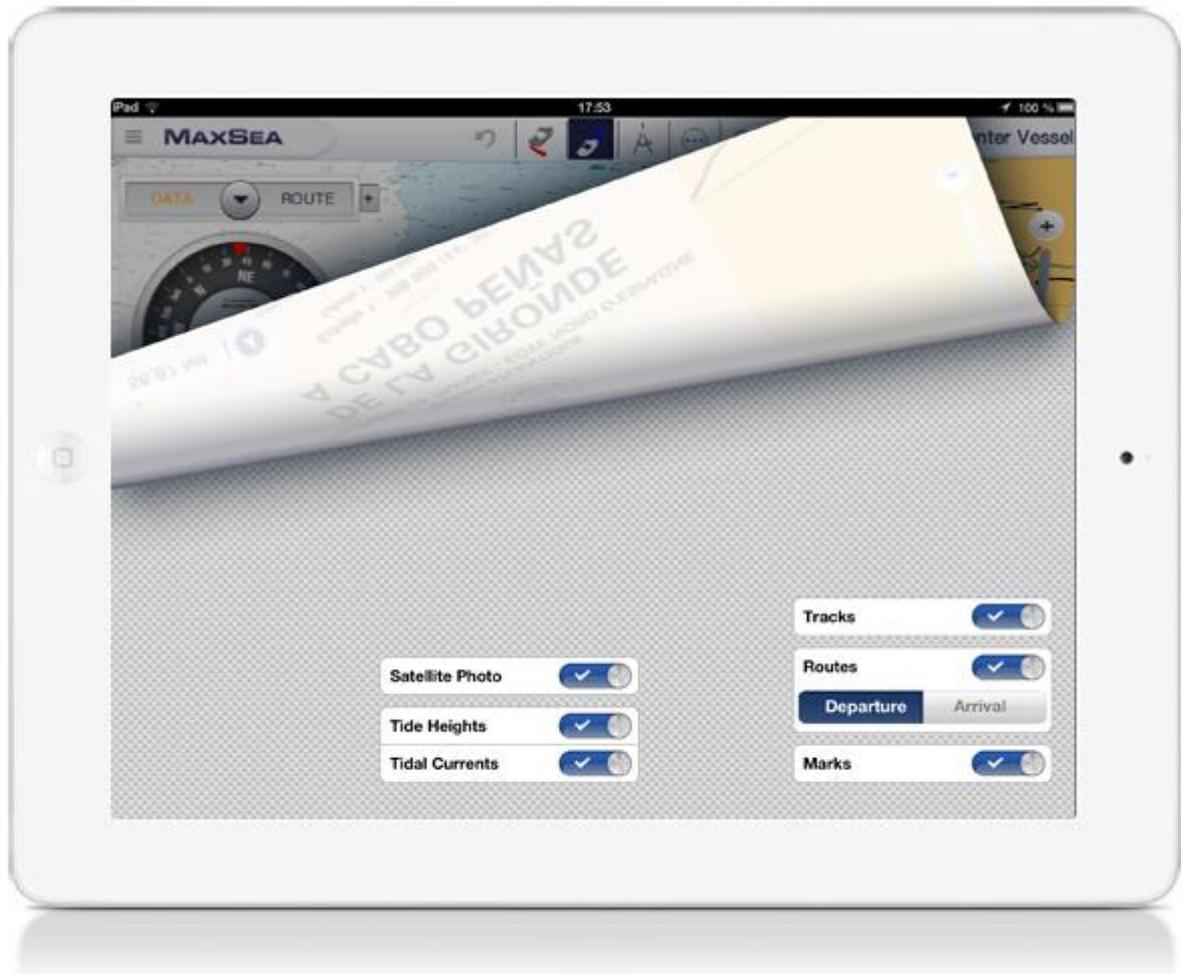


fig. 4 - Tap the "Delete All" button, then confirm that you wish to remove all cells stored in the iPad memory.

Layer Tab



Tap the **Layer Tab** button in the bottom left corner of the screen to display the layers data in the chart view:

- Tap on the Satellite Photo check-box to show/hide PhotoFusion in the chart view.
- Tap on the My Photos check-box to show/hide Pictures  and Screenshots  on the chart.
- Tap on the Tide Heights check-box to show/hide the tide icons on the chart.
- Tap on the Tidal Currents check-box to show/hide tidal current arrow icons on the chart.
- Tap on the Tracks check-box to show/hide recorded track lines on the chart.
- Tap on the Routes check-box to show/hide all recorded routes' departure or arrival point on the chart.
- Tap on the Marks check-box to show/hide marks and events that have been created on the chart.

Tools in the NavBar

The NavBar provides access to a series of tools to make usage as simple as possible:



The **Track On/Off** tool enables track recording. Once the track begins recording, the "Track" button turns orange. The active track is displayed on the chart as a line trailing behind the boat icon indicating the actual track of the vessel through the water. When you tap on the track line behind the boat, a context menu is displayed which allows you to modify the color of the track or even delete the whole track or just a section of it.



The **Activate/Deactivate Route** tool allows you to activate a route that has already been created on the chart. The "Route" button is grayed out unless a route already exists. By tapping on the chart at the starting point, you can display the context menu where you can choose to create a **"New Route"**. By tapping the **"End Route"** button, you can terminate the route or tap the **"Route"** tool to activate it.

Note: You can also activate a quick route by selecting the "Go to" option.



The **Ruler** tool allows you to measure distances and bearings between two points on the chart. Tap on a chosen position to start a measurement and drag the Ruler to the end position. Values will also appear in a bar at the bottom of the screen. You can adjust the start or the end point by selecting and dragging them to new positions on the chart.



Tap on the **"Cancel Ruler"** button in the top right-corner of the screen to terminate and erase ruler points. Tapping anywhere on the chart also cancels the Ruler mode.

Note: When Navigation mode is selected and GPS is active, the "**Ruler**" tool allows you to measure the range, bearing and the TTG (Time To Go) depending to the SOG (Speed Over Ground) from the boat location to a chosen location on the chart.



The **Plus Menu** tool allows you to choose advanced options:

1. Tapping on the "**Facebook**" icon allows connection with Facebook so that you will be able to post your position and a screenshot of your software at your current position. You can even add comments to your Facebook wall the in MaxSea App.

Note: If a link with Facebook has not yet been established, the app will prompt you to create one.

Note: At the end of the post there is some text that will become visible on your Facebook post as a direct link to the App Store to download the MaxSea App.

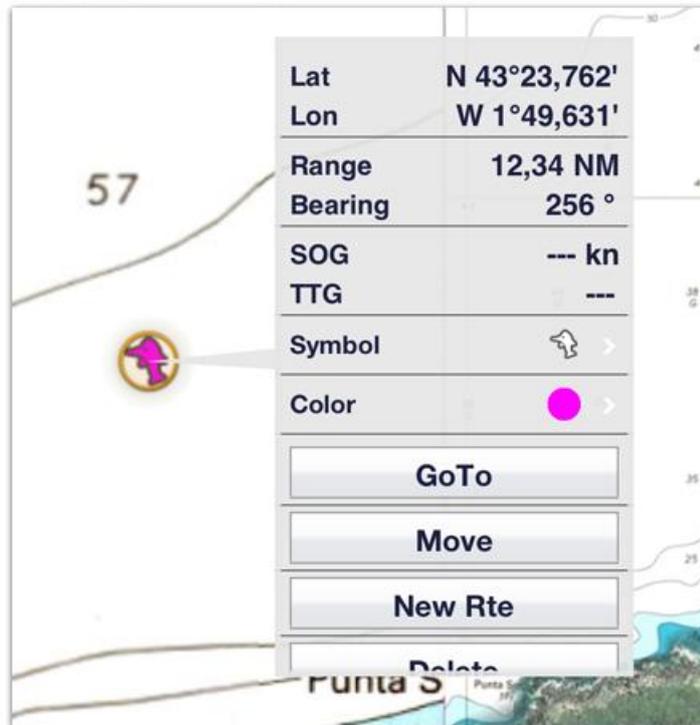
Note: The screen shot from that moment is added to the customer's Facebook post.

2. Tap the "**Event**" option to create an event at the boat's position to mark its current position with a specific icon

Note: If the Function Gesture has been configured on Event, it will activate the Create Event function to a mark at the current position of the boat simple by using the dual finger long tap anywhere on the chart

3. Tap the "**Camera**" option to activate the Camera and take a geo-localized picture from the App.
4. Tap the "**Order New Chart**" icon to buy a new chart or to restore your purchases if you had to re-install your App.
5. Tap the "**Manage Chart**" icon to download and save your charts on your iPad or to delete any unused charts from your iPad, to free up some memory.

ToolTip and Context Menu



The ToolTip provides quick and useful information

By simply tapping on an object or point on the chart, you can display the most important information related to the object. A menu also appears at the bottom of your screen with a list of actions that can be carried out on this object.

Note: The ToolTip displays information above the object (coordinates, Range, Bearing, SOG and TTG if the App is in Navigation mode). The main context menu items are displayed at the bottom.

The Context Menu:

The context menu provides a list of specific actions, depending on the object that has been selected on the chart.

1. By tapping anywhere on the chart, the context menu will allow you to:
 - Create a "**Mark**" at the chosen location.
 - Create an "Event" to mark the current position of the boat with a specific icon (four available events can be configured).
 - Create a quick route by choosing "**GoTo**" and selecting the destination (the Route button then becomes activated).
 - Create a "**New Route**" by tapping each waypoint on the chart. When you reach the final point, tap the "**End Route**" button to terminate the route.

Note: The new route icon is grayed-out if an active route already exists. If the "Demo mode" is selected, the "Move Boat" item is added to the context menu which allows you to change the boat position in order to simulate a route before sailing.

2. By tapping an object that you have created on the chart (mark, event, route, track, etc.), the following actions may be added to the context menu depending on the object that you selected:

- Modify the **symbol** of the icon being used for the mark and the event selected on the chart.
- Modify the object's **color** (mark, event, track, route).
- **Activate** the route, departing from the starting point.
- **Activate (the route) from Here:** departure starts from a selected leg in the route.
- **Hide** a Route: it will then be replaced by a specific icon on the chart (either at the

point of departure:  or arrival: ).

- **Reverse** the route.
- **Insert** a waypoint in the route by tapping the leg where you want to add it and then drag the new waypoint to a chosen position on the chart.
- **Extend** the route to add waypoints at the end of the route.
- **Delete** object (available for all objects).

Note: Each list of actions in the context menu depends on the object that has been selected on the chart.

App Parameters



Tap the **MaxSea** button in the top left-hand corner of the screen to display the App Parameters menu. This menu organizes a number of items which allow you to configure and manage the following functions:

1. The **Ship & Track** option allows you to configure your customized ship predictor vectors or the recorded track display information.
2. The **Routes** option allows you to configure settings related to the appearance and behavior of your routes.
3. The **Marks** option allows you to configure the default parameters such as symbols and the color and size of marks.
4. The **Plotter** option lets you configure the App display: show/hide the chart slide bar on the screen, adjust the level of transparency (NavData, PhotoFusion, tide icons etc.) and the 3D display (3D tilt).
5. The **Import/Export** options allow you to exchange data between all TimeZero systems (Apps, NavNet, TZtouch system and / or the MaxSea TimeZero software) .
6. The **Units** option allows you to set up the data units: **depth** (Foot/Meter/Fathom/Passi/Braza), **Range** (long: Nautical Mile/Kilometer/Mile and short: Foot/Meter/Yard) **coordinates** (in different formats such as DDD°.MM.mmmm'/DDD°.MM.mmm'/DDD°.MM.mm'/DDD°.MM'.SS.ss"/ DDD.dddddd°), etc.
7. The **General** option lets the user adjust the App User Interface display such as the user's boat length, size of the boat icon, etc. You can also switch the App from Navigation to Demo mode.
8. The **About** option displays useful information about your App such as Tips, License Number and App version, the Chart Memory space used, as well as the tracks, routes and marks stored in your App.

Note: Tap the "Done" button to validate your selections. Tap "Reset Default Settings" to go back to the original default settings.

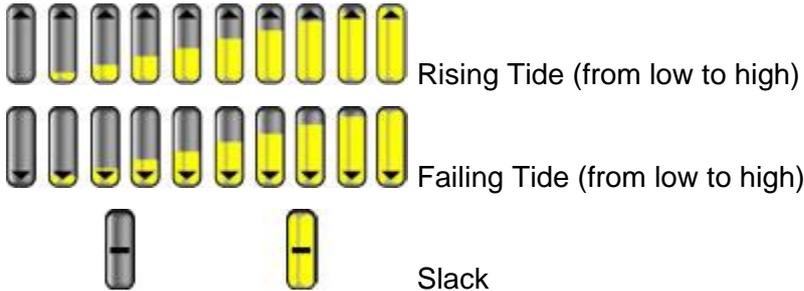
Tide Heights and Tidal Currents

Displaying Tide Height icons in the chart view

The App can display the tide level for thousands of tide stations around the world.

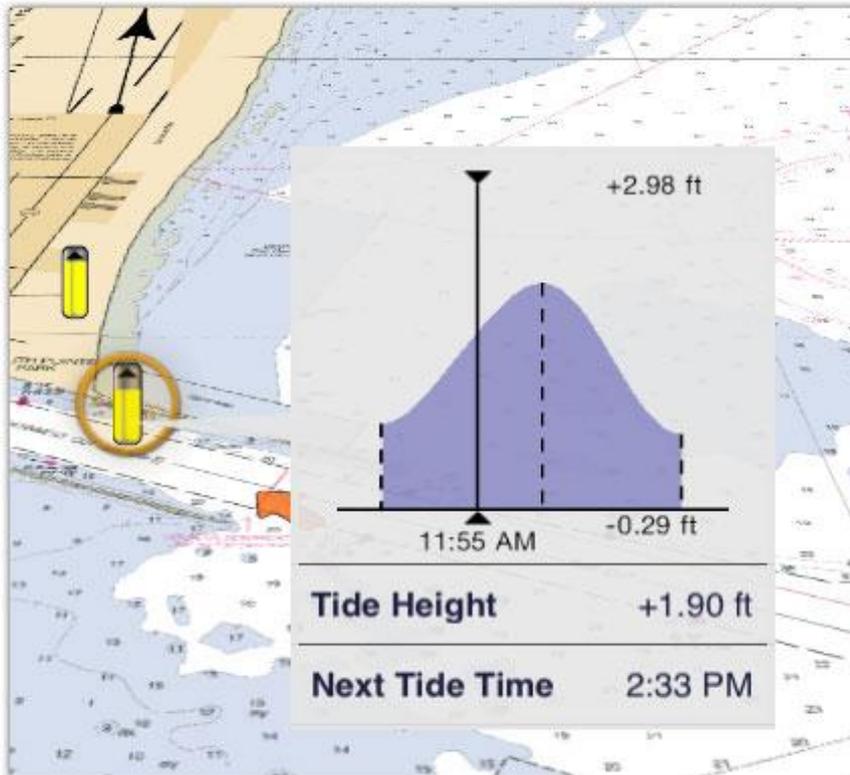
To show and hide the tide height stations on the chart, tap the layer tab and check or uncheck the **Tide Heights** box.

The Tide Icons graphically display a preview of the Tide Height status:



The Tide Graph, Tide Height and the Next Tide Time can be viewed by tapping a tide icon on the chart.

The Tide graph displayed on the top of the context menu indicates the actual Tide Height status and shows you the level from the previous and next Tide height.



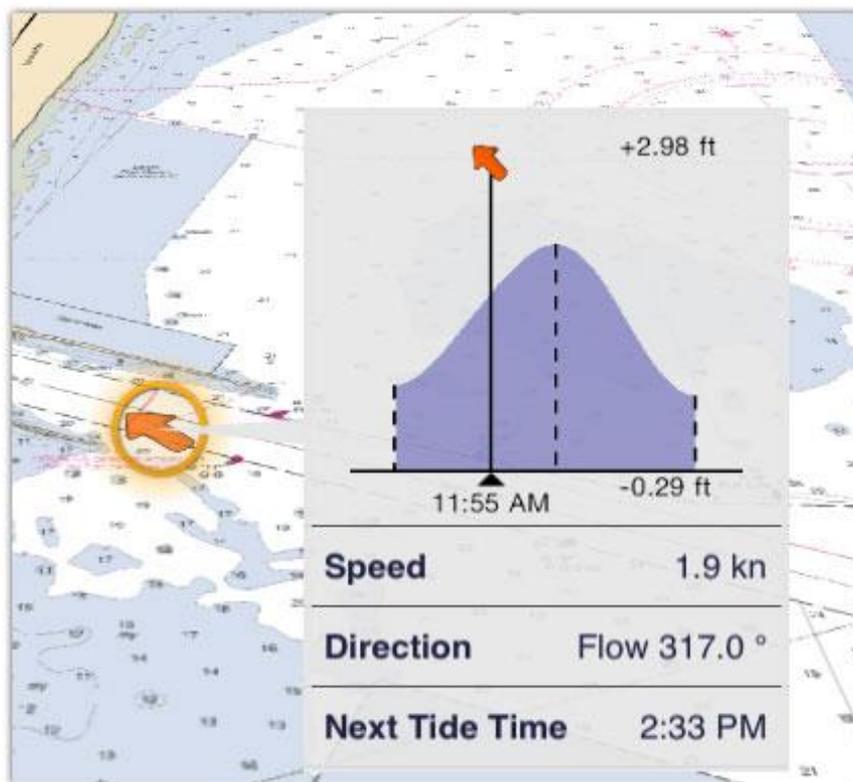
Displaying Tidal Current arrows in the chart view

The App can display the tidal current set and drift for thousands of locations around the USA and Europe.

To show or hide the tidal current arrows on the chart, tap the layer tab and then check or uncheck the **Tidal Currents** box.

The Tidal Current Arrow Icons graphically display the direction and strength of the tide based on color (from yellow for lower speed to red for higher speeds).

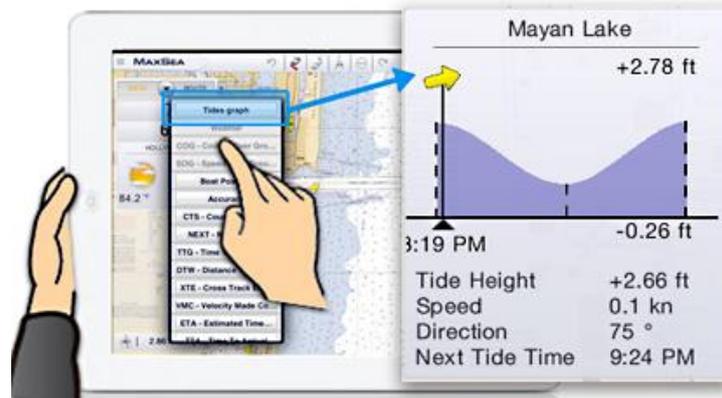
Tap any arrow on the chart to display the context menu which will show you the speed and direction values of the tidal current. The tidal current arrow is added to the regular tide graph for the actual time.



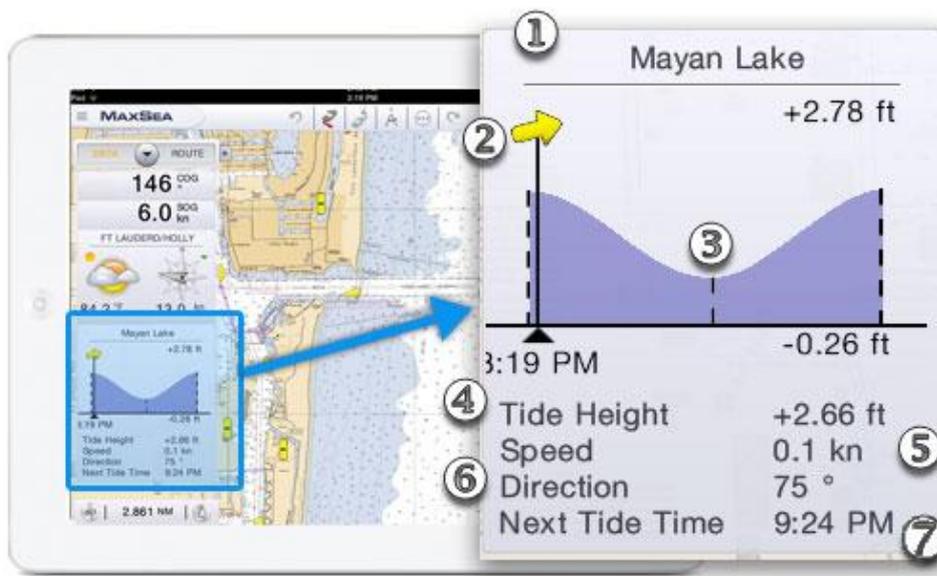
Note: The tide heights and tidal currents are only available to display in the App if you have purchased charts. If no chart has been purchased, the corresponding boxes in the layer tab are grayed-out and therefore not available.

Displaying the Tide Graph NavData

Displaying the tide Graph NavData will always give you the information of the nearest Tide and Currents station to your boat.



1. Access the NavData by tapping the button in the bottom-left corner if it is not already being displayed.
2. If the Tide Graph NavData is not already displayed on screen, tap anywhere in the NavData panel, and then choose "Tide Graph" in the list to add and display the Tide Graph NavData.



1. Name of the nearest tidal station reference.
2. The tidal current arrow added to the graph for the actual time.
3. The regular tide graph for the actual hour.
4. The tide Height value.
5. The speed value of the tidal current.
6. The direction value of the tidal current.
7. The time value of the next tide.

Moving objects

You can enable the Move function by long tapping an object on the chart. When the object is surrounded with a flashing orange circle, drag it to its new position on the chart. Terminate your action by tapping the End Move button in the top-right corner of the screen.



The move function can be activated for a mark or waypoint, etc

NavData management



1. Access the NavData by tapping the button in the bottom-left corner if it is not already being displayed.
2. If the Weather NavData is not already displayed on screen, tap anywhere in the NavData panel, and then choose "**Weather**" in the list to add and display it.



To close the NavData panel, tap the "**Arrow**" button in the NavData header. Tap the "Plus" button, will show a list of specific NavData data types to display either in the Data or the Route panel.

Organize your display by moving each NavData container box in the panel by tapping the NavData box and dragging it up or down in the panel to a chosen position.

Tap a NavData container box to "**Remove**" it from the panel or to switch it text to graphical display when the "**Graphic**" item is available (Course Over Ground and Speed Over Ground can be displayed either as text or graphics).

***Note:** By default, the new NavData box is added to the bottom of the panel. If there is not enough space in the panel, it will be added to the top of the panel and the previous box will be removed.*

Weather NavData

Weather data such as cloudiness, air temperature, wind direction and strength are critical for safe and secure navigation.

This is why the App provides weather NavData where you can get information such as weather forecast that indicates rain/cloud cover, air temperature, wind direction and speed for the hour to come, as well as general tendencies for the following hours.

***Note:** Weather forecast and trend files are received from the nearest weather station reference via an active Internet connection. The Weather NavData is grayed-out if your Internet connection has been lost for 20 minutes or more.*



1. Name of the nearest weather station reference.
2. In our example, the future trend is improving (sun).

3. The gray-colored cloud shows the cloudy forecast for the hour to come.
4. Expected air temperature.
5. The wind strength tendency is displayed on the upper-right corner (see legend below).
6. The wind forecast for the hour to come is graphically displayed:
 - The arrow varies according to wind changes (the arrow is not displayed for strong variations).
 - The blue line indicates the average wind direction.
7. The average wind speed is displayed on the bottom right. If significant gusts are expected, the maximum wind speed will be displayed in red.

Benchmark legend for wind tendencies:

-  The wind strength is decreasing
-  The wind strength is increasing
-  Strong gusts are expected
-  The wind will remain constant

Camera Integration

Pictures and screenshots can be taken from the MaxSea App and geo-referenced on the chart according to the boat's position (or in the center of the screen if the GPS is not in use/not available).

They are recorded in a specific layer that can be displayed/hidden from the tab corner and in the iPad photo albums under the name "TimeZero" as well.

Taking a photo with the Camera function:

To activate the Camera function, tap on the "**More**" menu or use the dual finger long tap if the gesture function has been configured on Camera before.



- **Take a photo:** Aim your iPad and tap



- **Switch between the front and back cameras:** Tap the bottom of the screen 
- **Go back to the MaxSea TimeZero App:** Tap on Cancel at the bottom of the screen.

Moving and sharing the Pictures from the TimeZero App



- Images can be moved in the same way as a Mark in the App (from the context menu or by applying a long tap on the icon to activate the move function).
- Images can be shared on Facebook (from the "**More**" menu or by using the context menu).
- Tap the picture on the top of the Context Menu to maximize it. Tap anywhere in the picture to go back to the App.

Note: You can use the dual finger long tap anywhere on the chart to easily take picture or screenshot. To do this go to the MaxSea General parameters, tap the "Function Gesture" and choose either Camera or Screen Capture.

Deleting Pictures

Pictures can only be deleted by doing so from within the iPad photo album.

How to access to your iPad TimeZero photo album

Tap the Photos icon on the iPad desktop and tap "Albums" in the title bar, then select TimeZero album.



How to delete one or more photos at a time

Tap Edit in the upper right-hand corner to select the photos that you want to remove from this album.



1. Tap each photo to be removed from the TimeZero album. All selected Photos are checked and the total selection number is indicated in the title bar.
2. Tap "**Remove**" in the upper left-hand-corner.
3. Confirm your action in the warning dialog by tapping "**Remove from this Album**". The photo removed from the TimeZero album is removed from your TimeZero App and are no longer displayed in the TimeZero App.

Note: The photo is not permanently removed from your iPad and will remain in the iPad's photos database. You can restore these photos at any time in your TimeZero App. To do so go to the "Photos" or the "Camera Roll" album and select the photos that you want to restore. Tap "Edit and then "Add to ... Existing Album" which allows you to restore your photos in the TimeZero album; corresponding photos will then be displayed once again in the TimeZero App.

Exchanging Data

Routes and Marks can now be imported/exported by using the iTunes file exchange feature in the .TZD format. This allows the user to exchange data between ALL TimeZero systems (Apps, NavNet TZtouch system and / or **MaxSea TimeZero software from version 2 upwards**).

***Note:** It is possible to share Data between iPad and PC and between a PC and the NavNet TZtouch using an SD-Card (read more about this in the related NavNet TZtouch manual).*

Transferring Data using iTunes

Before transferring TimeZero Data from your PC to your iPad, please make sure that you have downloaded and installed the latest version of iTunes on your computer.

Connect your iPad via USB to the PC and then launch the iTunes application.



1. Click on the iPad device icon in the header bar.
2. Then click the Apps tab and scroll down to file sharing. All Apps that can share files with your PC are listed in the Apps column.



3. Click on "MaxSea" in the "Apps" column.
4. Click "Add" and a Windows file explorer dialog box will appear.
5. Browse to the folder where you have saved the TZD file and select it.
6. Click "Open" to add it to the "MaxSea" documents.

Exporting Data from the MaxSea TimeZero software

1. Start up the "MaxSea" software installed on your PC.
2. Click on the software logo and select the "Import/Export" option.
3. Select the "Export" function and check the "TimeZero Data" option to export all you.
4. Click "Open" to add it to the "MaxSea" documents.

Note: The .TZD file exported from the MaxSea TimeZero App is only compatible with MaxSea TimeZero software from version v2 upwards.

Importing Data from iTunes File Sharing to your TimeZero App

Once the .TZD file is available in iTunes File Sharing, open your TimeZero App to import the TimeZero Data.

There are two import functions in the Import/Export of the App Parameters list: Add or Replace Data.

1. By tapping the "**Import (Replace)**" button, the existing data in TimeZero is simultaneously erased and replaced with the new data imported from iTunes file sharing.
2. By tapping the "**Import (Add)**" button, all data imported from the iTunes file sharing will be copied and added to the existing data in your TimeZero App.

Note: When importing a .TZD file, if it exceeds the iPad capacity, a warning will indicate the amount of data that can be imported. Reminder: A maximum of 1,000 marks and 50 routes (maximum 200 points each) can be imported.

Exporting Data from the TimeZero App

1. Tap the App Parameters button, select "Import/Export" and tap the "Export" button.
2. The data file is automatically sent to the MaxSea documents of iTunes file sharing (always named as the following: IPad Export YearMonthDay HourMinutesSeconds.tzd).

Note: The .TZD file exported from the MaxSea TimeZero App is only compatible with MaxSea TimeZero software from version v2 upwards.

Importing Data from iTunes File Sharing to the MaxSea TimeZero software

1. Start up the MaxSea software installed on your PC
2. Click on the software logo, select the "Import/Export" option and then choose the "Import" TimeZero option in order to import a TimeZero data file.
3. Browse to the folder, find and select the TZD file.
4. When the import report is displayed, it will list the number of routes and marks that have just been imported into the software.
5. Click on Finish to confirm.