

Plan2Nav User Guide

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V1.0.5

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CHAPTER 1 – OVERVIEW

About Plan2Nav

Jeppesen's *Plan2Nav* is the ultimate navigation and planning tool designed for boaters with a true passion for being on the water. Use the free background charts to start planning your journey or purchase added features to enhance your navigational experience.

Built-In Features

The *Plan2Nav* app includes several free features allowing you immediate access to cruising and planning.

- Worldwide Background Chart
- Perspective Chart Mode
- Enable Your GPS to View:
 - Speed Over Ground (SOG)
 - Course Over Ground (COG)
 - Estimated Time of Arrival (ETA)
- Free C-Weather Chart Overlay
- North-up, Course-up and Chart Rotation
- Distance Measuring
- Anchor Drift Alarm
- Clock and Compass

Added Features

The following features are available when a detailed C-MAP chart is purchased within *Plan2Nav*:

- NavAids
- Detailed Harbor Charts
- C-Marina Port Database
- Dynamic Tides and Currents
- Photos and Diagrams
- Depths and Land Elevations

Compatibility

Plan2Nav is compatible with the following Apple iPhone® and iPad® devices:

iPad

iPad2

iPhone 3G and 3GS

iPhone 4 and 4S



Application Requirements

150MB for **Plan2Nav** App

50MB to 800MB for detailed C-MAP charts

In total, 1GB of free storage space is suggested for both installation of application and detailed C-MAP charts.

Note: Storage requirements vary depending on chart region and quantity of installed charts.

CHAPTER 2 – INSTALLATION

Plan2Nav can be downloaded from the App Store on the iPhone/iPad or from iTunes® using your MAC or PC.

An Apple ID is required for app download and in-app chart purchases. Details on how to create an Apple ID can be found [here](#).

Installing Plan2Nav from iTunes

1. Open iTunes Store and click on App Store.
2. Type 'Plan2Nav' in search store field and select '**Jeppesen Marine Plan2Nav.**'
3. Select **Download.**
4. The completed download will be listed in iTunes under **Store > Downloads.**
5. **Plan2Nav** will appear on your device after syncing. For details on how to sync, click [here](#).

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Installing Plan2Nav from the App Store

1. From the device's APP Store, tap the search field and type 'Plan2Nav.' Select '**Jeppesen Marine Plan2Nav**' for the specified device.
2. Tap **Free** and then **Install.**
3. A **Plan2Nav** icon will appear on the devices HOME screen.

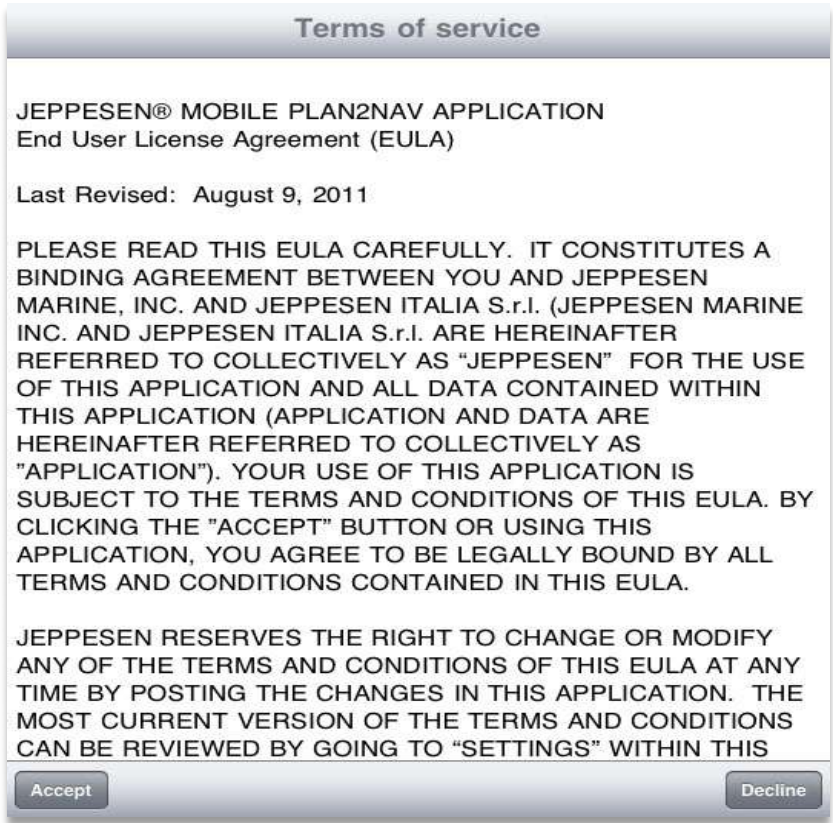


CHAPTER 3 – GETTING STARTED

Launching Plan2Nav – Terms of Service

1. Tap on the **Plan2Nav** icon on the HOME screen to open.
2. Terms of Service will be shown every time the application is started. Tap **ACCEPT** to continue.

When **Decline** is selected, the message *'Need to accept TOS to continue'* will be shown. *Terms of Service must be accepted to continue.* To continue, tap OK and then ACCEPT.



Map Actions

Plan2Nav uses the standard pinch-zoom functionality for zooming in/out and panning of the map.

When first launched, the default view is north-up. To adjust the chart's view, use the following on-screen gestures:

Pan

Pan the chart by placing one finger on the screen and dragging in the desired direction.

Zoom In

Zoom in by placing two fingers on the screen and pulling them apart, in the area of interest.

Zoom Out

Zoom out by placing two fingers on the screen and pulling them together, in the area of interest.

Two-Finger Rotation

Change the chart's orientation [**ROTATE**] by placing two fingers on the screen and moving in a clockwise or counterclockwise motion.

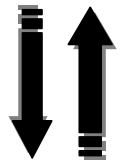
Function is disabled when C-Weather is overlaid.



Two-Finger Tilt

Change the charts perspective [**TILT**] by placing two fingers on the screen and moving up or down in parallel.

Function is disabled when C-Weather is overlaid.



Double Tap

A quick double tap on the screen will return the map to the default north-up 2D view and allow for a quick zoom-in when in the 2D/north-up mode.

Quick Info

Plan2Nav's quick info menu will display your locations coordinates and the distance from GPS (when GPS is active).

Quick Info also allows you to bookmark your favorite locations and view detailed map information, including: *photos, marina info, nav-aids, source data, depths, restricted areas, tidal height and much more.*

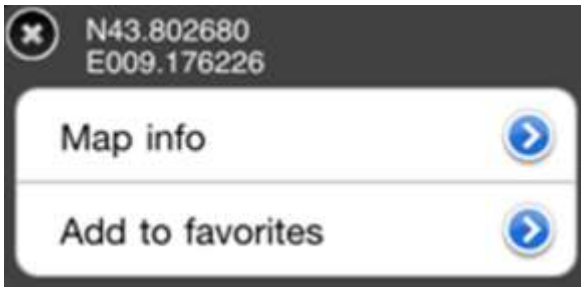
1. Tap on any point on the map to access **Quick Info** and display the menu box.

MAP INFO

Access detail for all objects on the map within the clicked location.

ADD TO FAVORITES

Add bookmarks for your favorite points on the map.



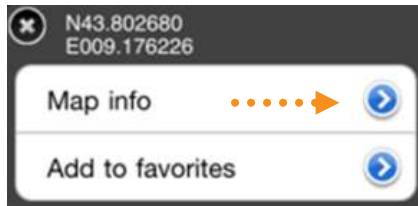
2. The **Quick Info** menu can be moved by dragging the window box.
3. To close the menu, click **X**

Map Info

Map Info will display your locations coordinates and provide details about items on map. **Map Info** is accessible from the **Quick Info Menu**

1. Tap your desired point on the map to launch the **Quick Info** Menu.
2. Expand map details by tapping the blue arrow next to **Map Info**.

Continue expanding additional cartographic detail by tapping blue arrow next to the desired object.



3. [Navigate to](#) the objects location by selecting the object from the list and then select **Go To**.
4. Return to the previous screen by selecting **Back**.

Map Info continued

Additional **Map Info** features include:



Multimedia Content

Multimedia content will display panoramic photos.

Photos can be magnified using the zoom in/out functionality of **Plan2Nav**.

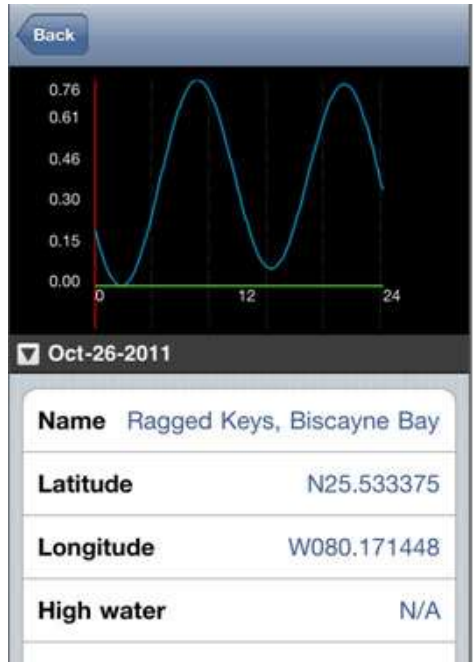
iPad users can double click an image to view in Full Screen.

Tide Height

Tide Height station content is displayed graphically with a view of the tidal station's tide height. It includes predictions for:

- High/Low Water
- Sunrise/Sunset
- Moonrise/Moonset
- Begin/End Twilight

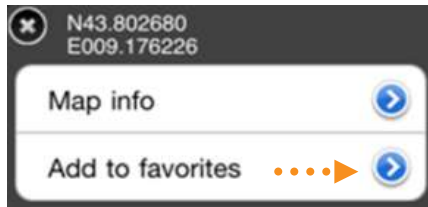
Click on the arrow next to the date to change the date of predicted Tide Height station.



Add to Favorites

Add to Favorites allows you to bookmark your favorite points on the map. It is accessible from the **Quick Info Menu**.

1. To bookmark a location or point on the map, click on the map and select **Add to Favorites**.



2. Set **Name** (*short text*) and **Description** (*extended text*) of favorite.

Change color of favorite icon by tapping the marker icon and select from five different icon colors.

3. Click **Save** to add your new favorite icon to the map.



Note: A NAME value is required to save a favorite icon. Unless they are deleted, favorite icons are always visible on the map view and cannot be hidden.

Managing Favorites

Access the **Favorites** menu by tapping the favorite icon on the map or by going to **Search/Go to > Favorites** from the main tool bar.

In addition to providing the favorite icon's name, description, coordinates and creation date, the favorites menu also features the following functions:

Edit

Change favorite icon name, description or color.

Navigate to

Starts the [navigation mode](#), favorite icon is the destination.

View on map

Map will center on the favorite icon.



Delete Favorite

1. Select **Search/Go To > Favorites**.
2. Click on blue arrow after favorite name.
3. Click **Edit** and then **Delete**.

CHAPTER 4 – BUY C-MAP CHARTS

Plan2Nav includes a free worldwide C-MAP background chart and an embedded C-MAP chart catalog. The **Buy Charts** menu enables you to view, purchase and download detailed charts for select regions.

About Buy Charts

- A. A Wi-Fi connection is necessary for downloading charts. Downloading via your cellular connection could be slow and costly, as chart files can top 500 MB.

- B. C-MAP charts for **Plan2Nav** can be purchased in-app only.

- C. Chart downloads can be interrupted and continued later by going to **Settings > Restore Content**.

- D. Existing chart downloads must be completed before additional charts can be purchased.

- E. Downloads could take up to 30 minutes to complete, depending on connection speed and file size.

- F. During your download, a progress bar will show the remaining percentage until download is complete.

- G. All chart purchases with Plan2Nav are accessible even when a wireless connection is not available.

How to Buy C-MAP Charts



1. From the **Plan2Nav** tool bar, click on **Buy Charts**.
2. Tap on arrow next to desired region title to expand the available chart areas. Select the specific coverage area by tapping on the chart title.
3. The **Chart Coverage** screen will display the coverage area and price. Tap on the purchase price to BUY.



4. Select **BUY** to confirm the in-app purchase or **CANCEL** to stop the purchase.

If prompted, enter your Apple ID and select OK to continue the purchase process.

5. The chart download will begin automatically.

When the download is complete, a ✓ will be displayed next to the chart title indicating that the chart has been purchased and installed.



Buy Charts Pop Up

A pop-up showing the available coverage for the selected area will appear when zooming into the built-in background map or a detailed C-MAP chart. *Pop-up add will not be shown when C-MAP charts have been purchased and downloaded.*

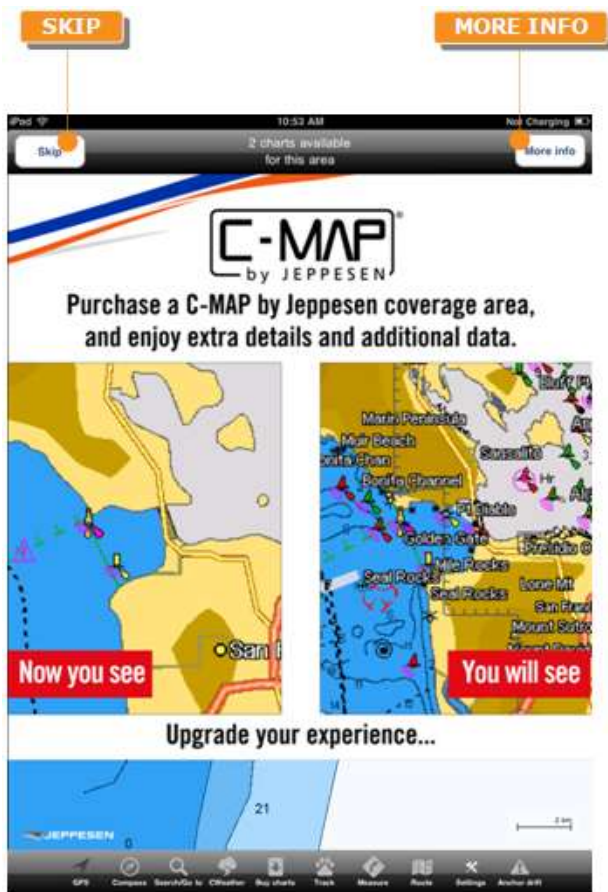
The pop-up allows for two actions:

(1) **SKIP**

Selecting **Skip** will deactivate the pop-up at that location for 24 hours.

(2) **MORE INFO**

This allows you to view and purchase available charts for the given location. Previously purchased charts will not be listed.



CHAPTER 5 – FEATURES AND FUNCTIONS

Navigation Mode

Set your destination using GPS through **Plan2Nav**'s Navigation Mode.

Navigate to point on the map:

*Click the destination on the map > select **Map Info** > **Go To**.*

Navigate to map object:

*Click on the map object > select **Map Info** > choose object > **Go To**.*

*Select **Search/Go To** > 'Nearby Objects' or 'Text Search' > choose object > **Go To**.*

Navigate to coordinates:

*Click on **Search/Go To** > **Coordinates** > enter coordinates > **Go To**.*

Navigate to a favorite marker:

*Select **Search/Go To** > **Favorites** > tap blue arrow next to favorite > **Navigate To**.*

Navigate to a route:

*Select **Search/Go To** > **Route** > **Route Points** > click on route point.*

Deactivate Navigation Mode:

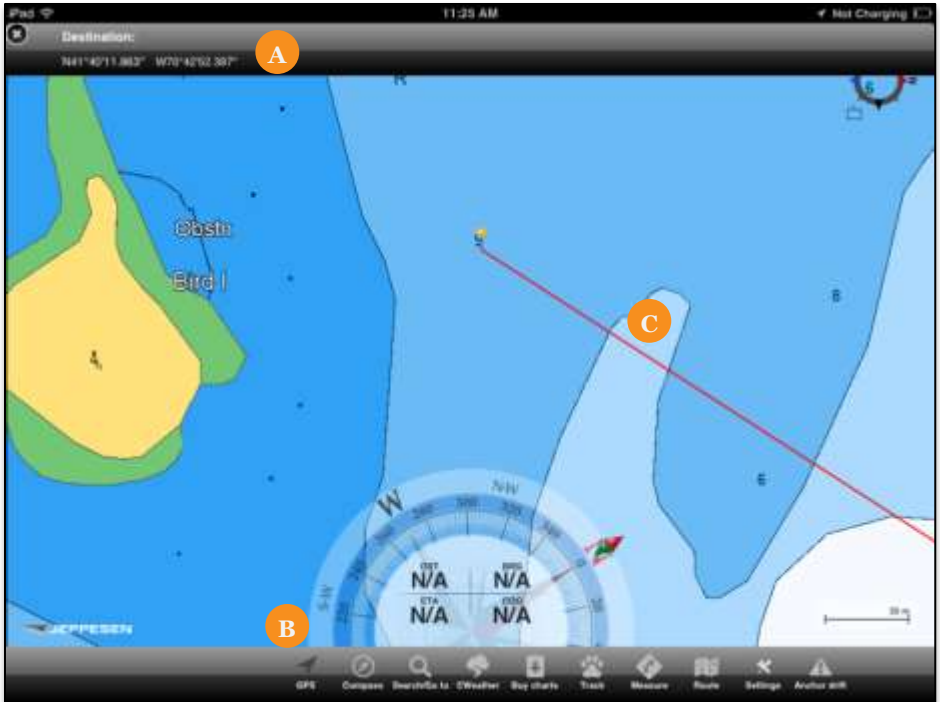
*Click on the **X** within the [destination tool bar](#). The message 'Do you want to cancel navigation' will appear. Select **YES** to cancel.*



Navigation Mode continued

The active navigation mode will display:

- A.** Destination Tool Bar (with coordinates of destination point)
- B.** On-Screen Compass
- C.** Red Navigation Line (from GPS location to destination)



While in navigation mode, the on-screen compass will display the following data fields (*note: some fields will show N/A until GPS fix is retrieved*):


DST *Distance to selected destination*


ETA *Estimated time of arrival, based on avg. speed*

BRG *Bearing of vessel in degrees (Green Marker)*

COG* *Course Over Ground, based on the device's GPS*

**COG is not available if GPS data is available or more accurate or if vessel is not moving.*

COG is indicated in compass as a **RED** MARKER 

BRG is indicated in compass as a **GREEN** MARKER 

GPS



Plan2Nav offers four GPS modes: *OFF*, *ON*, *TRACK* and *TRACK ROUTE*. Switch modes by tapping on **GPS** from the main tool bar. The GPS icon will change to display the specific GPS mode.



GPS OFF

Default mode



GPS ON

When highlighted



GPS TRACK

Map will move, based on GPS location



GPS TRACK & ROUTE

Map will move, based on heading

When the GPS is ON, the on-screen compass will display the following data fields:

SOG *Speed Over Ground, based on the device's GPS*

COG *Course Over Ground, based on the device's GPS*



Compass



Click on **Compass** to access the following details based on the device's GPS data:

GPS Status

'Updated' – Last time of GPS update

'Waiting for Data' – GPS signal not available

'Location Services OFF' – Location services are turned OFF

SOG

Speed Over Ground, based on the device's GPS.

COG

Course Over Ground, based on the device's GPS.

GPS Coordinates

Latitude and Longitude, based on the device's GPS.

Compass

Image displays approximate magnetic course.



Search/ Go To



Quickly access map detail and saved data using **Plan2Nav's Search/Go To** feature.

Search/Go To is accessible from the main tool bar and provides access to the following search features:

Coordinates

Navigate to specified coordinates.

Nearby Objects

Find the nearest object by category. The search radius is five KM from center of map.

ORA/PORT Text

Find the nearest object by text. The search radius is 10 nautical miles (18,520 meters) from the center of the map.

Favorites

View, edit, go to and delete saved favorites.

GPS Tracks

View, edit, go to, share and delete saved tracks.

Route

View, edit, go to, share and delete saved routes.



C-Weather



Easily download weather overlay in **Plan2Nav** using C-Weather.

C-Weather issues a three to four day forecast covering a one-by-one degree area can be downloaded as often as necessary. **C-Weather** is accessible from the main tool bar.

1. Go to a location on the map and click on **C-Weather**.
2. Select **Download** from the C-Weather tool bar, located at top of screen. Once download has finished, the weather forecast will overlay on map.
3. Select **Weather Type** from the C-Weather tool bar to change the type of weather displayed on the map. Weather Types include: Wind, Wave, Weather, Humidity and Temperature.
4. Use the slider to change the date and time.
5. Close by selecting **C-Weather** again or **X** in the C-Weather tool bar.



Note: A connection is necessary for C-Weather downloads. Only one region can be downloaded at a time.

Tilt/Rotate is disabled when C-Weather is active.

Track



The track functionality in *Plan2Nav* allows for saving and sharing of your track files.

Track detail includes: Start/End Location, Time, Duration, Distance and Speed. **Track** functionality is accessible from the main tool bar.

1. Start tracking by clicking **Track** from the main tool bar.
2. To finishing tracking, click **Track** again and select **YES** to the message “Do you want to stop Tracking?”
3. After stopping the track, the option to save will appear. To save, select **YES**.



4. Tracks files will be saved to *Plan2Nav* under **Search/Go To > GPS Track** and to the [iTunes file sharing folder](#).

Manage Tracks

Manage track files in *Plan2Nav* by going to **Search/Go To** from the main tool bar and selecting **GPS Track**.

Rename Track

Select track file > **Edit** > enter/change name > select **Done**.

Set Visibility of Track on Map

Select track file > **Visible** (turn on ON or OFF).

Display Track location on Map

Select track file > click **Search**.

Save Track File to GPX

Select track file > click **Export as GPX**.

Delete Track

Select track file > **Edit** > **Delete Track**.

Measure



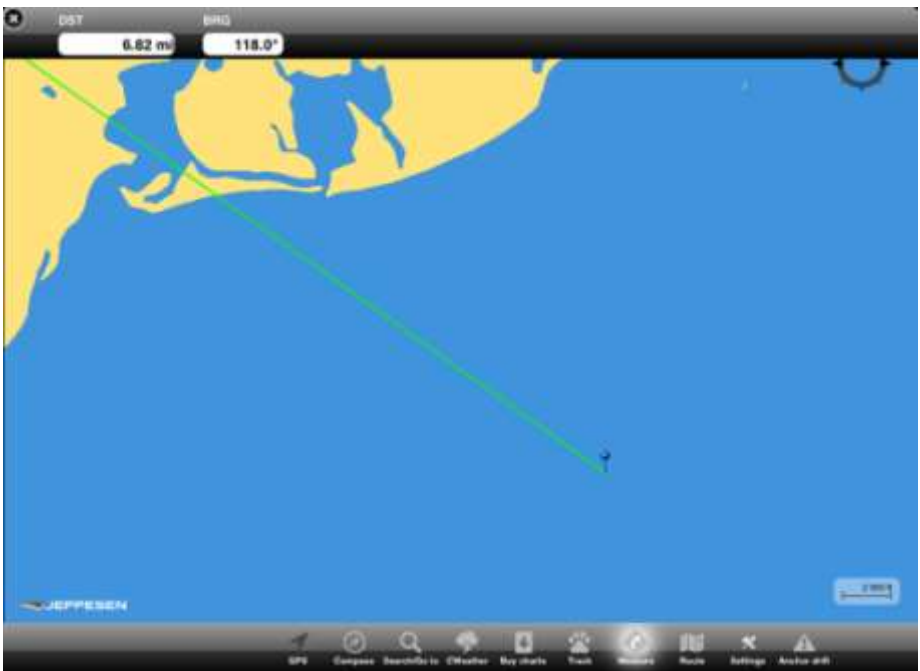
Use **Plan2Nav's** measuring feature to determine the distance and bearing from the GPS to a specific location. **Measure** is accessible from main tool bar.

1. Turn the measuring mode on by selecting **Measure** from main tool bar. Your GPS will be automatically activated .
2. Click on the desired location on the map. *A green distance line will be placed from GPS location to the desired location point on the map.* The information in the **Measure** tool bar located at top of screen will provide:

DST *Distance to your location, based on GPS data.*

BRG *Heading to your destination in degrees, based on GPS data.*

3. While measure mode is active, multiple locations can be measured by clicking points on map.
4. To end measuring, select **Measure** again or select **X** from the measuring tool bar.



Route



Plan2Nav's route function lets you create, edit, save and share your favorite routes. **Route** is accessible from the main tool bar.

Create/Edit Route:

1. Tap on **Route** from main tool bar. If a route already exists, then the option to '**Edit Last Route**' or '**Add New Route**' will appear. Select appropriate option.
2. Place points along your route by tapping on the map. The route tool bar located at top of screen allows you to:
Clear – *deletes entire route*
Clear Last Point – *deletes last route point*
3. End the route by selecting **Route** or **X** from the route tool bar.
4. Individual waypoints in the route can be added, moved or deleted.

Insert - Tap desired location in route leg.

Move - Tap waypoint to display **X**, drag pin to move.

Delete - Tap waypoint to display **X**, press to delete.

Manage Routes

Manage Route files in **Plan2Nav** by going to **Search/Go To** from the main tool bar and selecting **Route**.

Rename Route

Select route file > **Edit** > enter/change route name > **Done**.

Set Route Visibility

Select route file > **Visible** > turn **ON** or **OFF**.

View Route Points

Select route file > **Route Points**.

Navigate to Point on Route

Select route file > **Route Points** > tap selected route point.

Delete Route

Select route file > **Edit** > **Delete Route**.

Settings



Plan2Nav's settings menu provides access to unit settings, application details and the restore content feature. **Settings** is accessible from the main tool bar.

Unit Settings

Unit Settings options include:

Depth – Meters, Feet or Fathoms

Distance – Km, NM or Miles

Coordinates – DD.dddd, DD:MM:SS or DD:MM.mmmm

Speed – Km/h, MPH, M/S or Knots

Temperature – Celsius or Fahrenheit

Fuel Consumption – L/H or GPH

User E-Mail

Subscribe to Jeppesen's **Plan2Nav** newsletter by entering your e-mail and selecting '**I agree.**'

Jeppesen will keep your details confidential and provide correspondence on **Plan2Nav** only.

Restore Content

Restore content can be used to install chart purchases on a new device, to restore charts after reinstalling the application or to continue a canceled download.

Click on **Settings** > **Restore Content**, and select the chart to be restored.

Note: Per the App Store terms and conditions, you are able to install purchased charts on up to five devices, using the same Apple ID, at no additional charge.

*The **Plan2Nav** app must be installed using the same Apple ID associated with the content being used.*

Anchor Drift



Activate or deactivate the anchor drift alarm by selecting **Anchor Drift** from the main tool bar.

When Anchor Drift is activated, an audio alarm will signal if the vessels location has moved from the current GPS location; based on pre-established Anchor Drift settings.

Anchor Drift Settings

Settings > Anchor Drift – adjust distance value for Anchor Drift alarm.

Sharing Track and Route GPX Files

Plan2Nav allows for export of Track and RouteGPX files from device to PC.

1. From the main tool bar select **Search/Go to**.
2. Click on **GPS Track** or **Route** and then select the file to be exported.
3. Click on **Export as GPX**. The GPX file will be saved to your iTunes file sharing folder.
4. Connect device to your computer and launch iTunes.
5. Click on the connected device from the 'Devices' section of iTunes.
6. Select the 'Apps' tab and scroll down to 'File Sharing'.
7. Under the file sharing, select **Plan2Nav**. A list of saved files will be shown under **Plan2Nav Documents**.
8. Save to a PC by highlighting the file and selecting SAVE TO. Browse to the desired folder and click OK.

GPX files can be opened and viewed in Google Earth

Plan2Nav FAQs

What is the cost of Plan2Nav?

The Plan2Nav application is free to download. Detailed C-MAP charts to supplement the free world background charts can be purchased within the app. Coverage pricing can be viewed in Plan2Nav's embedded chart catalog.

How long does it take to download Plan2Nav?

Plan2Nav application downloads in approximately five minutes.

How long does it take to download charts?

The average download time is 30min. Times will vary depending on file size and connection speed.

Can I download Plan2Nav chart purchases on multiple devices?

Yes. Per the App Store's terms and conditions, you are able to install purchased charts on up to five different devices, using the same Apple ID.

Can chart purchases be made in iTunes and then transferred to Plan2Nav?

No. All chart purchases must be made within Plan2Nav.

What type of connection is required to download charts in Plan2Nav?

A Wi-Fi connection is necessary. The system will not allow the data to be downloaded with only a 3G connection.

Do I need wireless connection to view purchased charts?

No. All purchased charts stay recorded on your iPad and are accessible even when a wireless connection is not available.

When downloading chart data, does the device have to stay connected for the entire download?

No. You can stop a download at anytime and resume at a later time/date. However, chart detail will not be viewable onscreen until completely downloaded

When starting the application will the "terms of service" agreement show up each time I use the application?

Yes.

Will all screens work in portrait and landscape?

No. Due to the size of the iPhone window, some screens are viewable only in portrait and the menu bar will display arrows, indicating the availability of additional icons not shown on screen.

Does Plan2Nav support an external GPS?

Yes, depending on device compatibility. Some devices will allow for an external GPS connection via Bluetooth.

Is Plan2Nav available from the Android Market?

No. Currently Plan2Nav is only available on iTunes and from the Apple App Store.

Can you change the size of icons and nav-aids within Plan2Nav?

No.

Is wireless connection required for C-Weather downloads?

Yes. Connection is necessary to download C-Weather.

Why do I get the message ‘Download Error’ when downloading C-Weather?

Plan2Nav requires access to port 12361. If this port is blocked, weather downloading will be unsuccessful.

How can I return a purchased chart?

Requests for credit can be submitted to Apple. [Learn how to report a purchase problem.](#)

How do I turn Location Services ON?

Location Services can be turned on from your devices Settings Menu. Go To Settings > Location Service > set Location Services and Plan2Nav ON.

Will purchased charts be lost when updating Plan2Nav?

No. Updates to Plan2Nav will not affect charts currently purchased and installed. However, purchased charts will be lost if the app is deleted/uninstalled. Charts can be restored within Plan2Nav under Settings > Restore Content.



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