# Jeppesen Mobile FliteDeck
# User Guide

Version 2.6.1

JEPPESEN
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# Jeppesen Mobile FliteDeck User Guide

**Jeppesen**
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This document supports version 2.6.1 of Jeppesen Mobile FliteDeck.

Minimum operating system requirement for Jeppesen Mobile FliteDeck 2.6.1 is iOS 7.0.

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# *Introduction*

This document provides detailed instructions for using Jeppesen Mobile FliteDeck version 2.6.1.

## About This Document

### *Intended Audience*

The intended audiences for the *Jeppesen Mobile FliteDeck User Guide* are pilots and support specialists who may be new to the application.

### *Additional References*

In addition to this *User Guide*, Jeppesen provides detailed, task-oriented user training and documentation for Mobile FliteDeck on the web at the Jeppesen Mobile FliteDeck Training and Documentation page.

Additional support materials include:

- *Jeppesen Mobile FliteDeck Release Notes*
- *Jeppesen Mobile FliteDeck Online Lesson*
- *Jeppesen Mobile FliteDeck In-app Help (accessed from within the Mobile FliteDeck application)*

# Technical Support

Jeppesen provides technical support 24 hours a day, 7 days a week at:

- **United States Toll Free**: 800-978-9186
- **United States Direct**: 303-328-6175
- **International**: +49-6102-508290
- **Email**: techsupport@jeppesen.com
- **Web:** ww1.jeppesen.com/support/technical-support.jsp

# Release Summary

Jeppesen iOS applications are continually modified to be fully compatible with the latest Apple iOS operating system and iOS devices.

## *Release Identification Information*

This *User Guide* supports Jeppesen Mobile FliteDeck version 2.6.1.

## *Operating System Requirements*

The minimum operating system requirement is iOS 7.0. This release has been tested with, and conforms to, iOS 8.1.

## *Hardware Supported*

Jeppesen Mobile FliteDeck is supported on all iPads except the first generation iPad.

Jeppesen has tested Mobile FliteDeck for compatibility with the


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following iOS devices:

**Table 1-1**

| Model | Operating System |
|---|---|
| iPad 2(Wi-Fi and 3G) | 7.1.2, 8.1 |
| iPad 3 (Wi-Fi and 3G) | 7.1.2, 8.1 |
| iPad 4 | 7.1.2, 8.1 |
| iPad Mini | 7.1.2, 8.1 |
| iPad Air | 7.1.2, 8.1 |

## *Connectivity Considerations*

Mobile FliteDeck requires a reliable Wi-Fi or cellular Internet connection to download data updates. The time necessary to download and perform updates depends on the speed of the Internet connection and the size of the data coverage area.

## *Upgrade and Deployment Considerations*

Jeppesen Mobile FliteDeck is released through available Apple distribution models. Only one version of the app can be downloaded to the iPad at one time.

When you update the Mobile FliteDeck app from one version to another, the following information is preserved:

- Customized global settings under user control, including registration and account info
- Saved flights
- User waypoints that are part of a route

**NOTE** There are special considerations associated with updating from Jeppesen Mobile FliteDeck 2.1.


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When you update from Mobile FliteDeck version 2.1:

- New cultural, terrain, and enroute datasets download. The size of this download is approximately 500MB.
- Ensure that you have the necessary time and bandwidth to perform the complete update before commencing the update.

To prevent Jeppesen Mobile FliteDeck from automatically downloading in the background and forcing an update at an inopportune time, disable background updates at the device level.

To disable this function:

1. Tap iPad **Settings** from the iPad home screen.
2. Tap **iTunes & App Store**.
3. Under *Automatic Downloads,* switch **Apps** to OFF.


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# *Getting Started*

Mobile FliteDeck enables you to enhance situational awareness using basic iPad gestures.

## Basic iPad Gestures

### Pinch to Zoom

Zoom in and out of the display by moving your thumb and finger in a pinching gesture.

### Touch, Hold, then Release

When interacting with the enroute map, you can touch, hold, and then release any object on the map to add it to your route, delete it from your route, or view more information about it.

### Double-tap to Zoom Out

Double-tap one finger to zoom out to the full extent of your route (in Enroute view) or to the full extent of the chart (in Terminal Charts view).

### Two-finger Swipe to Navigate

Swipe two fingers to flip through your selected terminal charts, like flipping through pages in a book.

### Four-finger Swipe Between Open Apps

Swipe four fingers to move back and forth between one open app and another. For example, you can do this gesture to navigate back and forth between an open PDF reader and Jeppesen Mobile FliteDeck.


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### Four- finger Swipe Up and Down

Swipe four fingers up and down to show and hide the iPad taskbar. This gesture is helpful when you want to go back and forth between global settings and Jeppesen Mobile FliteDeck.

# Global Settings

To adjust Jeppesen Mobile FliteDeck global settings:

- Tap **Settings** on your iPad Home screen.
- From the list of application settings, tap **JeppFD**.

## *Sleep Mode*

Switch **Sleep Mode** to OFF to ensure that the iPad stays powered on during flight. The setting is ON by default.

**NOTE** Switching **Sleep Mode** to OFF reduces the iPad battery life.

## *Flight Info - Allow Flight Sharing*

To share flight information between two iPads actively running Jeppesen Mobile FliteDeck, ensure that **Allow Flight Sharing** is set to ON. The setting is ON by default.

To share flight information, ensure that *both* iPads:

- Are actively running Jeppesen Mobile FliteDeck.
- Have **Allow Flight Sharing** set to ON.
- Have established a connection via Wi-Fi or Bluetooth.


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## *Enroute View*

These settings control the display of the Enroute view. Both Enroute View settings are set to ON by default.

- To be able to track your aircraft, recenter the enroute map over your aircraft location, and view the enroute map in a track up orientation, ensure that **Enable Moving Map** is set to ON.
- To display ownship position on the enroute map, ensure that **Display Ownship on Enroute** is set to ON.

---

**NOTE** The minimum GPS accuracy requirement to display ownship on an enroute map is 200 meters.

Centering the map over aircraft location and displaying the ownship position on the enroute map are both designed to improve situational awareness during enroute flight. This function is not to be used as the basis for navigation.

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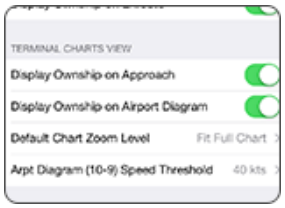
## *Terminal Charts View*




These settings control the display of the Terminal Charts view. Both Terminal Charts View settings are set to ON by default.

- To display ownship position on approach charts, ensure that **Display Ownship on Approach** is set to ON. This setting also enables the display of the off-map indicator on approach charts.

**NOTE** The minimum GPS accuracy requirement to display ownship on an approach chart is 50 meters.

- To display ownship position on airport diagrams, ensure **Display Ownship on Airport Diagram** is set to ON.

**NOTE** The minimum GPS accuracy requirement to display ownship on a taxi diagram is 17 meters.

- The **Default Chart Zoom Level** is the zoom level preference for viewing terminal charts. Values are **Fit Full Chart** and **Fit to Width**. **Fit Full Chart** is the default value.
- **Arpt Diagram (10-9) Speed Threshold** is the speed at which, if enabled, the automatic switch to a taxi diagram occurs. It is also the speed threshold at which the ownship appears on the airport diagram. To optimize this setting for your aircraft, adjust the threshold speed. Values range from 30 to 80 knots.The setting is 40 knots by default.

  Note that a GPS signal is required for the automatic switch to a taxi diagram.

**NOTE** Displaying the ownship position symbol on the airport diagram is designed to assist flight crews in orienting themselves on the airport surface and improving pilot positional awareness during taxi operations. This function is not to be used as the basis for ground maneuvering and is limited to ground operations.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## *Weather*

These settings control your view of weather information.

Weather data is provided by Jeppesen weather services and is obtained from either the National Weather Service or the UK Meteorological Office.

- To view weather data overlaid on the enroute map, switch **Display Enroute Wx to** ON. This setting is OFF by default.
- To view terminal weather from the Terminal Charts view, or from an Airport popover accessed from the enroute map, ensure that **Display METAR/TA**F weather is set to ON. This setting is ON by default.
- **Temperature Unit** options are Fahrenheit (default) or Celsius.
- **Default METAR/TAF Format** options are Raw (default) and Decoded.


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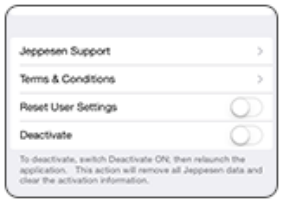
## Account Info

Account Info includes the version and build number and available services for the Jeppesen Mobile FliteDeck application in use.

- **Terminal Charts Coverage Code** displays your terminal charts coverage code and is used as a reference for technical support.
- **Site Key** displays the site key for the Mobile FliteDeck application in use.
- **Registration** displays the serial number for the Mobile FliteDeck application in use.
- **Services** includes options to enter credentials so that you can import flight plans, access company-uploaded documents, and share routes with Aspen Avionics.
- **Flight Plans:** Enter the user name, password and URL for the flight-planning system from which you receive flight plans.
- **Company Manuals:** Enter account information so that you can access company-uploaded documents.
- Switch **Allow Aspen Avionics Connection** to ON to share flight information with Aspen Avionics.

## Support Information and Settings




These settings provide access to support and application settings.

- **Jeppesen Support** displays contact information for technical support. United Sates toll free, direct, and international numbers are provided, as are email and Internet addresses. In addition, there is a **Send log files via**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**Email** option. This option enables you to email log files from your iPad to Jeppesen to assist in providing technical support.

- **Terms & Conditions** displays links to both the current Application and Data Terms and Conditions.
- **Reset User Settings** enables you to restore all Jeppesen Mobile FliteDeck settings to their default values. This action does not release the Site Key. To reset user settings:
  1. Switch **Reset User Settings** to ON.
  2. Launch Jeppesen Mobile FliteDeck.
  3. Tap **Proceed** to confirm.
- **Deactivate** enables you to remove all Jeppesen data and clear the activation information from the iPad. This action releases the Site Key. To deactivate Jeppesen Mobile FliteDeck
  1. Switch **Deactivate** to ON.
  2. Launch Jeppesen Mobile FliteDeck.
  3. Tap **Proceed** to confirm.

# *Setting Up Your Flight*

The Mobile FliteDeck interface makes it easy to access the functions and information that you use most.


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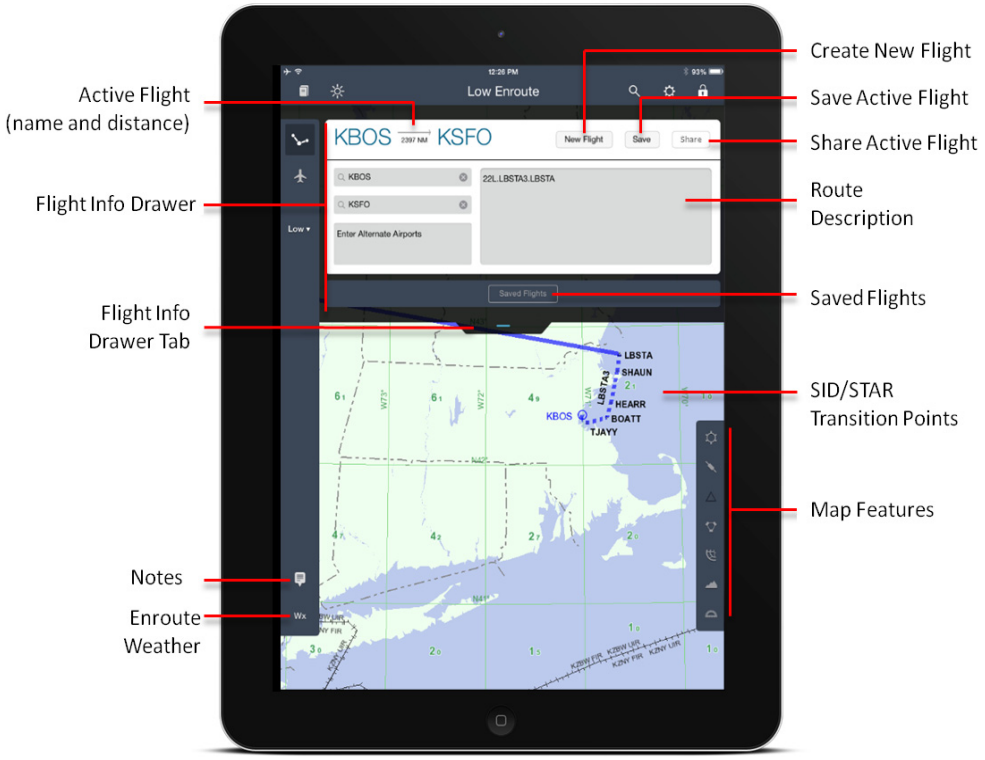
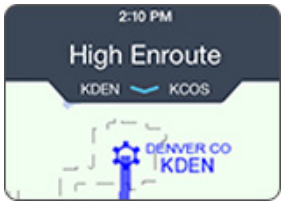
# Overview




## *The Flight Info Drawer*




The Flight Info drawer is where you create, load, view, and save the active flight from either the Terminal Charts view or the Enroute view.

To open and close the expandable Flight Info drawer, tap the drawer tab.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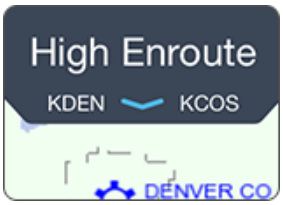
### *The Active Flight*



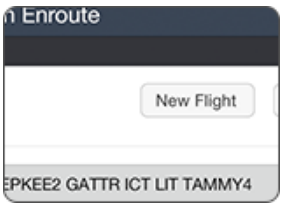

The active flight is the displayed flight. It includes origin, destination, any alternate airports, and the route description. The active flight also includes any selected terminal charts associated with the flight. The name of the active flight appears on the Flight Info drawer tab.

### *The Views*

To view the active flight with respect to either the enroute or terminal air structures:

- Tap the **Enroute** view button to access the enroute map.
- Tap the **Terminal Charts** view button to access terminal charts.

## Create a New Flight




### *Enter Airports*

To create a new flight:

1. Open the Flight Info drawer.
2. Tap the **New Flight** button.
3. Tap in each field and enter the origin, destination, and any alternate airports for the new flight.
   - Identify airports by using either their city names or airport ICAO or IATA identifiers.
   - Separate alternate airports with a space.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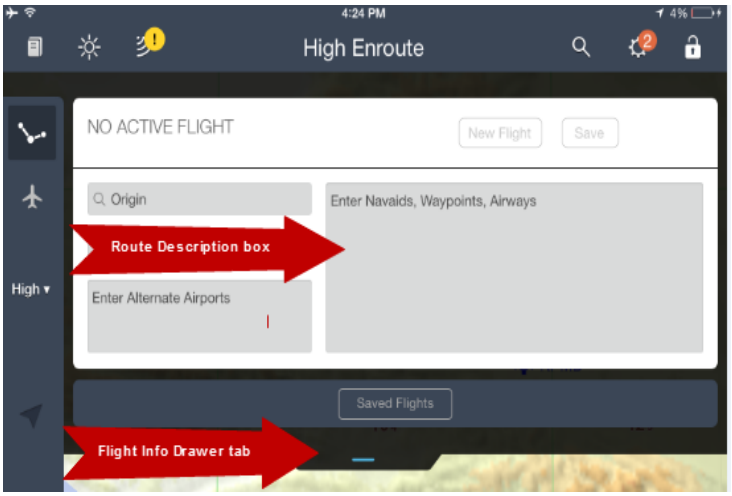
## *Enter Route Points*

To add navaids, waypoints, and airways to your route:

1. Tap in the route description box and enter route points.
   - Use either the keyboard or copy and paste to enter routes.
   - Airports that are entered as points in the route description are automatically included in the route airports list.
2. Tap **Done** on the keyboard when you finish entering flight information.
3. Tap the Flight Info drawer tab to close the drawer.




Both plain language and dot-notation formats are supported in the route description. For example:

- N37 56.6 W122 21.4 SAC V23 RBL (plain language)
- N37.56.6.W122.21.4.SAC.V23.RBL (dot-notation)

**NOTE** Dot-notation uses two dots to indicate direct-to points; and one dot between via routings.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### About Latitude and Longitude Coordinate Formats

The following latitude and longitude coordinate formats are supported in the route description:

- NxxWxxx (N37W122)
- Nxx.x Wxxx.x (N37.5 W122.2)
- Nxx xx.x Wxxx xx.x (N37 56.6 W122 21.4)
- Nxx xx.xx Wxxx xx.xx (N37 56.60 W122 21.40)
- NxxxWxxxx (N375W1222)
- N xx xx W xxx xx (N 37 56 W 122 40)
- XXXXN (5275N)
- XXNXX (75N70)
- XXNXXXW(37N122W)

## *Add SIDs and STARs*

After you enter origin and destination airports, you can enter a SID or a STAR (or both) in the route description.

To render SID or STAR transition points on the enroute map use this format:

- For a SID, enter: rwy.SID.transition
- For a STAR, enter: transition.STAR.rwy

For example, to enter the *LBSTA Three RNAV* departure out of KBOS, departing on Runway 22L, via the LBSTA enroute transition, you would enter: 22L.LBSTA3.LBSTA


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When the runway is a part of the route description, transition points are depicted on the enroute map by a dashed line and a label that identifies the procedure appears along the dashed line. In addition, Mobile FliteDeck adjusts the flight distance that appears in the Flight Info drawer.

**NOTE** The depiction of SID and STAR transition points on the enroute map is provided to support situational awareness only.

Always brief the SID or STAR terminal procedure.


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# *Editing Your Route*

There are several ways you can edit your route. You can edit a route from inside the Flight Info drawer or by simply interacting with the enroute map itself.

## Edit Your Route in the Flight Info Drawer

You can edit your route from within the Flight Info drawer in either the Enroute view or Terminal Charts view.

To edit your route:

1. Open the Flight Info drawer.
   - Tap in the origin, destination, and any alternate airport fields to add or delete airports.
   - Tap in the route description box to add or delete any navaids, waypoints, or airways.
2. Tap **Done** on the keyboard.
3. Tap the Flight Info drawer tab to close the drawer.

## Edit Your Route by Interacting with the Map

To edit your route by interacting with the enroute map:

1. Touch, hold, and release an airport, navaid, or waypoint along your intended route.

   Mobile FliteDeck displays additional information for that object.
2. Depending on the type of object, you can review additional information, or select the object to add it to, or remove it from, your route.

---

**NOTE** The **Direct To** option is available when the **Enable Moving Map** setting in JeppFD global settings is enabled and the minimum GPS accuracy requirement is met.

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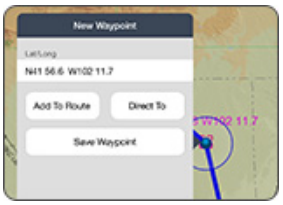
## Edit Your Route with Rubber-Band Routing




To edit your route by using rubber-band routing:

1. Touch a point along the existing route line and drag your finger to the point that you want to add to the route.
2. After you release your finger, select the action that you want to perform.

## Name and Save a User Waypoint

You can name, add comments to, save and search for user waypoints. To create and name a user waypoint:

1. Touch, hold, and release the enroute map in the area where you want to insert a waypoint.

   Mobile FliteDeck places a waypoint on the map and displays the New Waypoint popover.
2. Tap **Save Waypoint**.

- Tap in the Name field and enter a name for the waypoint.

---

**NOTE** Waypoint names can include spaces, but cannot include any special characters. For example, do not use any of these characters:
: ] [ ? / < ~ # ` ! @ $ % ^ & * ( ) + = } | : " ; ' , > {.

---

- To enter comments, tap in the Comments field and enter any comments that you want to associate with the waypoint.

3. Tap the **Done** button at the top of the popover when you finish.
4. Tap **Add to Route** or, if available, **Direct To**.

---

**NOTE** User waypoints that are part of a route can be shared between devices and are available in all enroute themes and zoom scales.

---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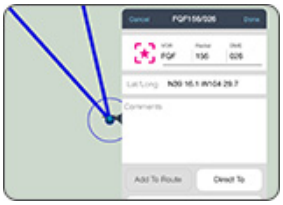
## *Delete a User Waypoint*

To delete a user waypoint:

1. Touch, hold, and release the user waypoint that you want to delete.

   Jeppesen Mobile FliteDeck displays the user waypoint popover.
2. Tap the delete (**Trashcan)** button at the top of the popover.
3. Tap **Delete Waypoint**.

## *Add a Radial DME Point to Your Route*



To add a radial DME point to the active flight:

1. Open the Flight Info drawer and enter the radial DME point to fly to in the route description.

   For example, assume that ATC has instructed you to fly "direct to 26 DME on 156 radial off of falcon VOR."

   In this example, you enter: FQF156/26.
2. Tap **Done** on the keyboard.
3. Tap the Flight Info drawer tab to close the drawer.

---

**NOTE** Touch, hold, and release the newly added radial DME point to display the popover and, if available, tap **Direct To**. Flying **Direct To** will remove all route points between the current aircraft position and the DME point.

---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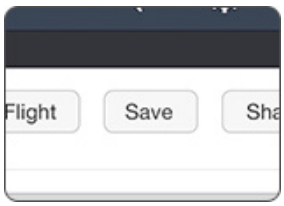
# Working with Saved Flights

A saved flight includes origin, destination, alternate airports, and the route description, including any user waypoints that are a part of the route. It also includes any selected terminal charts that are associated with the flight.

## Save the Active Flight

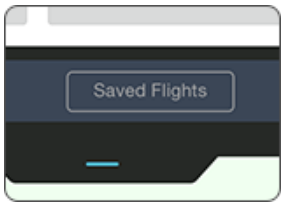



To save the active flight:

1. Open the Flight Info drawer.
2. Tap the **Save** button at the top of the Flight Info drawer.

Each time that you save a flight, it is added to the Saved Flights list.

## View Saved Flights




To view saved flights:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap a saved flight from the list of saved flights to expand its view.

   Mobile FliteDeck indicates any selected charts associated with the flight, as well as the date that the flight was last updated.
4. Tap the saved flight again to collapse the view.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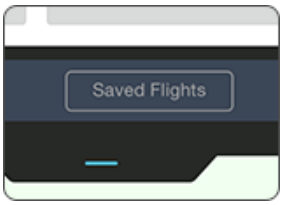
## *Load a Saved Flight*

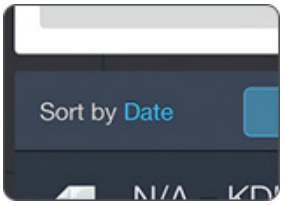



To load a saved flight:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap a saved flight from the list of saved flights to expand its view.
4. Tap the **Load** button.

   Mobile FliteDeck loads the flight information and the flight becomes the active flight.
5. Tap the Flight Info drawer tab to close the drawer.

## *Sort Saved Flights*




To sort saved flights:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap either **Sort by Date** or **Sort by Name** to select a sorting option.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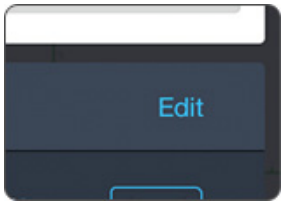
## Duplicate a Saved Flight

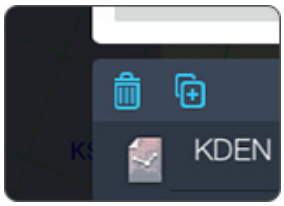
There may be a situation in which you would want to consider or plan for two different scenarios for the same airport pair. To do so, first create the flight, select your charts, and save the flight. Then, duplicate the saved flight and make any changes to the duplicated flight.




To duplicate a saved flight:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap the **Edit** button, and then tap the check mark circle next to the flight that you want to duplicate.
4. Tap the **Duplicate** (plus sign) button.

## Delete Saved Flights




To delete a saved flight:

1. Open the Flight Info drawer.
1. Tap the **Saved Flights** button at the bottom of the drawer.
2. Tap the **Edit** button, and then tap the check mark circle next to the flight that you want to delete.
3. Tap the delete (**Trashcan)** button.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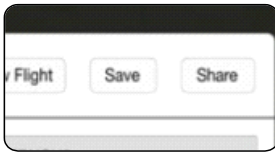
# Sharing Flight Information

Sharing flight information enables a more efficient collaboration between crew members.

## Share Flight Info – Device to Device

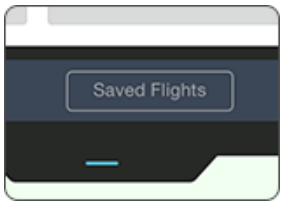
**NOTE** To share flight information between two iPads actively running Mobile FliteDeck, first ensure that the **Allow Flight Sharing** setting in JeppFD global settings for both iPads is set to ON. In addition, ensure that either a Wi-Fi or Bluetooth connection has been established for both iPads.



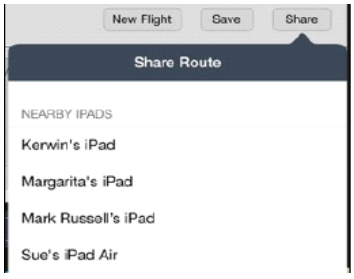

To share an active flight:

1. Open the Flight Info drawer.
2. Tap the **Share** button at the top of the drawer.
3. From the list of nearby iPads, select the iPad with which you want to share.

To share a saved flight (without loading it):




1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap a saved flight to expand its view.
4. Tap the **Share** button for the selected flight.
5. From the list of nearby iPads, select the iPad with which you want to share.





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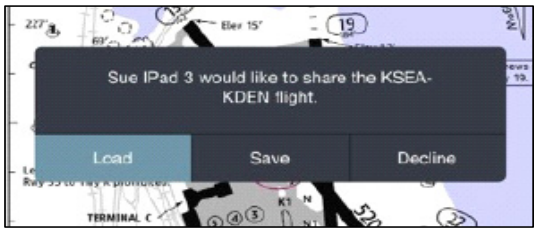
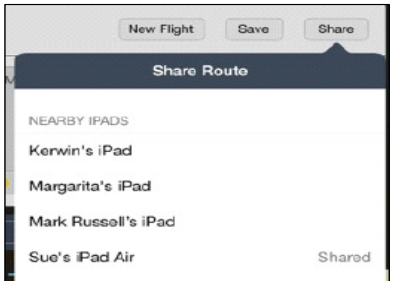
Jeppesen Mobile FliteDeck displays a notification on the receiving iPad that you would like to share flight information. The recipient chooses to **Load**, **Save**, or **Decline**.




The sending iPad then displays *Shared* or *Declined*, depending on the action the recipient chooses.





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## What is Shared – Device to Device

When you share flight information from one iPad to another iPad running Jeppesen Mobile FliteDeck, the following is shared:

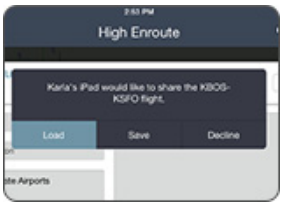
- Origin, destination, and any alternate airports
- Navaids, waypoints, (including user waypoints), and airways entered into the route description
- Selected terminal charts for the flight

**NOTE** Both devices must include the terminal chart coverage area of the selected terminal chart to successfully share the selected chart.

When you share flight information from one iPad to another iPad running Jeppesen Mobile FliteDeck, the following is NOT shared:

- Highlights on terminal charts
- Rotated view of terminal charts
- Comments that are associated with a user waypoint

## Share a Route – App to App




To share a route from a flight-planning app on your iPad that is configured to share with Jeppesen Mobile FliteDeck:

1. Load the route in the flight-planning app.
2. Select the option to share with Jeppesen Mobile FliteDeck.

   Jeppesen Mobile FliteDeck opens and displays a notification that an app would like to share a flight and displays these options: **Load, Save**, or **Decline.**
3. Tapping **Load** loads the route as the active flight.
4. Tapping **Save** adds the route to the list of Mobile FliteDeck saved flights.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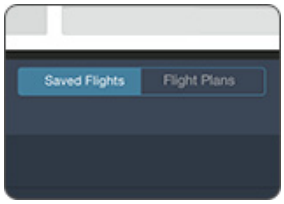
## *Import a Route from a Flight-Planning System*




**NOTE** To import a route from a flight-planning system that is configured to deliver flight plans to Jeppesen Mobile FliteDeck, first enter your flight-planning system credentials in JeppFD global settings > **Services** > **Flight Plans**.

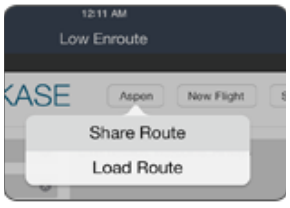
Once your flight-planning system credentials are entered:

1. Open the Flight Info drawer.
2. Tap the **Flight Plans** button to expand the view.

   The most recently retrieved flight plans appear.

   - If any updates have become available since the last time that you accessed the flight plans, FliteDeck displays the **New Updates Available** button.
   - Tap the **New Updates Available** button to update the list of flight plans.
3. Tap a flight plan to select it.
4. Tap either the **Load** button or the **Save** button for the selected flight.

## *Sharing a Route with Aspen Avionics*




To share a loaded flight from Jeppesen Mobile FliteDeck to Aspen Avionics, first ensure that the iPad is connected to the **AspenCG100** Wi-Fi and that **Allow Aspen Avionics Connection** in JeppFD global settings is set to ON.

Once a connection has been established:

1. Open the Flight Info drawer.
2. Tap the **Aspen** button at the top of the drawer.
3. Tap **Share Route**.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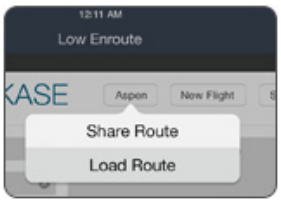
After the route is successfully shared, go to the Aspen MFD Gateway window and select **GPS1.** The shared route moves to the Garmin GPS device. The Aspen Avionics device accepts all valid route points.

### *Loading a Route from Aspen Avionics*




To share a route that is activated in Aspen Avionics to Jeppesen Mobile FliteDeck, first ensure that the iPad is connected to the **AspenCG100** Wi-Fi and that **Allow Aspen Avionics Connection** in JeppFD global settings is set to ON.

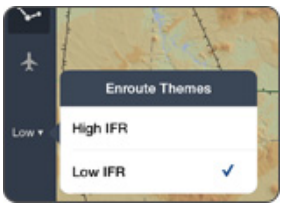
Once a connection has been established:

1. Open the Flight Info drawer.
2. Tap the **Aspen** button at the top of the drawer.
3. Tap **Load Route**.

# *Viewing Enroute Map Information*

Jeppesen Mobile FliteDeck helps you increase situational awareness by viewing your flight with respect to the enroute and terminal air structures. This section describes available enroute map information.

## View High and Low IFR Enroute Themes




To switch between **High IFR** and **Low IFR** enroute themes:

1. Tap the **Enroute Theme** button.
2. Select your preferred enroute theme.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# Search for Enroute Map Objects

To search for an enroute map object:

1. From the Enroute view, tap the **Search** button on the toolbar.

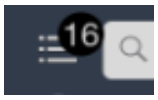
**NOTE** To clear a search query, tap the X in the top right of the search field.

2. Enter the city name, object name, or airport ICAO or IATA identifier in the search field.

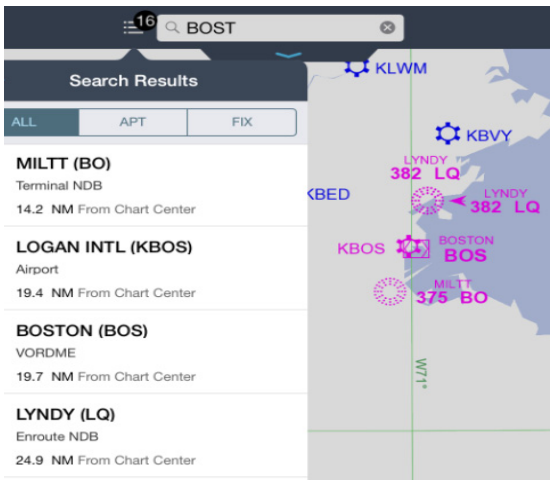
   Jeppesen Mobile FliteDeck searches include searches for named user waypoints and searches across multiple words, that is, searches include not just the first word in the name.

3. Tap the **Search Results** button or tap **Done** on the keyboard to display the search results.

- The number of search results appears on the **Search Results** button.




- Search results appear in the viewable area on the enroute map and in the list of results available from the **Search Results** button.





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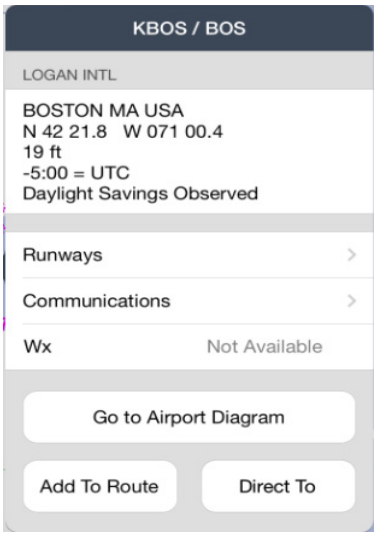
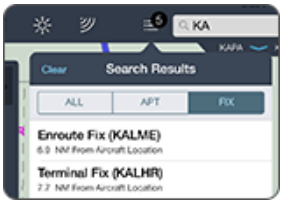
4. Select a search result to view the details popover.
5. You can review more information about the object by tapping any flyout ( > ), or you can add the object to your route.




## *About Search Results*

Mobile FliteDeck searches across multiple words, not just the first word in the name.

Search results are:




- Not limited by the map view. You can pan the map or zoom out to see search results outside the current map view.
- Displayed in the search results list and ordered by distance either from the map center or from your aircraft position. You can scroll the list to see the name and distance of objects that are farther away.
- Returned across enroute themes (High IFR and Low IFR).
- Not limited to filtered objects.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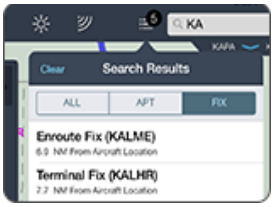
### *Refine Enroute Search Results*




To refine enroute search results, tap the **APT** or **FIX** button at the top of the search results list. For example, to view only airports in the search results, tap **APT**. To view only fixes in the search results, tap **FIX**.

## View Map Object Details

### *Navaids*

To view enroute map details, including navaids:

1. Touch, hold, and release the object on the map.

   The selected object is highlighted and an object detail popover appears.
2. Depending on the type of object and its position on the map, you can review additional information for it, or choose from a list of additional objects.
3. Tap away from the popover to dismiss it.

### *Airspace Fixes - Intersection Info*

Intersection information is available when an enroute fix is included in the route description or when the Waypoints filter is set to show on the enroute map.

To display intersection information:

1. Touch, hold, and release an enroute fix. The Enroute Fix popover appears.
2. Tap **Usage** for usage information.
3. Tap **Intersection Info** for a detailed view of the intersection formation.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## *Airport Information*

In addition to general airport information, the Airport popover includes runway, communication, and access to weather information.

To view airport information from the enroute map:

1. Touch, hold, and release the airport to display the airport popover.
   - Tap **Runways** to view the size and surface of runways at the airport. Reciprocal airport runways are grouped together with information organized by chart. Tap a specific runway to view more information, such as displaced threshold, lighting, and TDZ elevation.
   - Tap **Communication** to view airport communication information grouped by type. When more than two of a given type are available, the first two are provided. To display more frequencies, tap the **More** button.
   - Tap **Wx** to view METAR/TAF information at that airport.
2. Tap away from the popover to dismiss it.

Note that airports are filtered by runway length in the Enroute view and are automatically based on zoom scale. For example:

In High IFR theme:

- 160nm/in - IFR airports with Runways >10000 feet
- 80nm/in - IFR airports with Runways >8000 feet
- 40nm/in - IFR airports with Runways >5000 feet
- 5nm/in - All IFR airports

In Low IFR theme:

- 80nm/in - IFR airports with Runways >8000 feet
- 40nm/in - IFR airports with Runways >5000 feet
- 5nm/in - All IFR airports
- 2.5nm/in - All IFR and VFR airports


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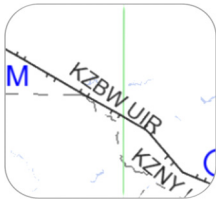
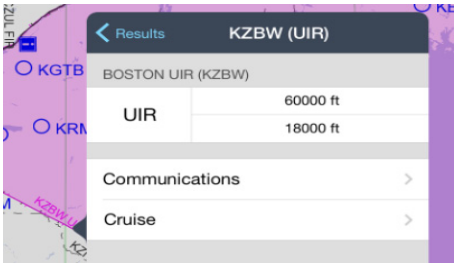
## *FIR and UIR Information*




To view FIR or UIR information from the Enroute view:

1. Touch, hold and release a FIR or UIR boundary.

   In addition to upper and lower limits, the FIR and UIR popover includes communication information, cruise information, and notes, as applicable




   - Tap **Communication** to view communication frequencies grouped by type. When more than two of a given type are available, the first two are provided. To display more frequencies, tap the **More** button.
   - Tap **Cruise** to view the cruise tables.
   - Tap **Notes,** indicated visually on the enroute map by blue "i" icons, to review operational notes associated with the boundary.

2. Tap away from the popover to dismiss it.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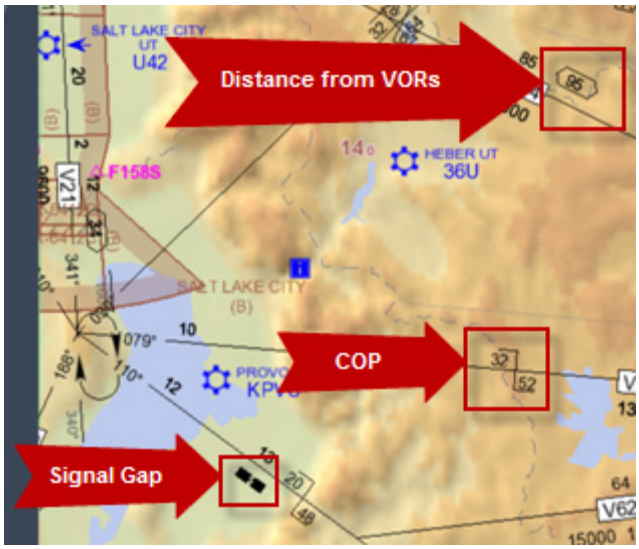
## *Distances Between VORs, Changeover Points, and Signal Gaps*

Distances between VORs, changeover points, and signal gaps appear on the enroute map when an airway is part of the route description or when the Airways filter is set to show airways on the enroute map.

.




## *CTA DME Step Values*

CTA DME step values appear around airports in Australia and New Zealand when Airspace is set to show on the enroute map.

To view CTA information, touch, hold, and release the CTA boundary. From the CTA popover, you may need to select a specific CTA to review its information.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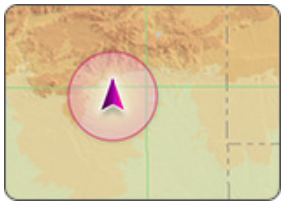
# SID and STAR Transition Points

When the runway is a part of the route description, a dashed line depicts the transition points of the SID and/or STAR on the enroute map. A label that identifies the procedure appears along the dashed line. In addition, Mobile FliteDeck adjusts the flight distance that appears in the Flight Info drawer.

To render SID or STAR transition points on the enroute map use this format:

- For a SID, enter: rwy.SID.transition
- For a STAR, enter: transition.STAR.rwy

# View Ownship on the Enroute Map



The current aircraft position is available on the enroute map when:

- **Enable Moving Map** and **Display Ownship on Enroute** in JeppFD global settings are set to ON.
- The minimum GPS accuracy requirement is met.

**NOTE** The minimum required GPS accuracy to display ownship on the enroute map is 200 meters.

# View Present Position

To recenter the map over your aircraft position after you have panned away, tap the **Present Position** button.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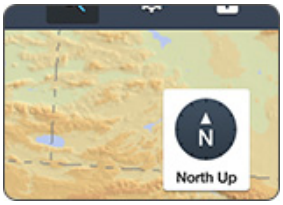
The **Present Position** button is available in the Enroute view when:

- **Enable Moving Map** in JeppFD global settings is set to ON.
- The minimum required GPS accuracy to display ownship on the enroute map is met.

**NOTE** The minimum required GPS accuracy to display ownship on the enroute map is 200 meters.

## View North Up or Track Up




To change the enroute map orientation, tap the **North Up** or **Track Up** button.

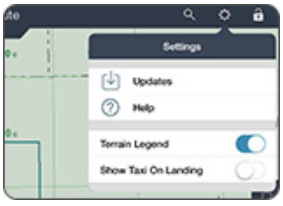
**NOTE** To change the orientation to Track Up, **Enable Moving Map** in JeppFD global settings must be set to ON.

## Show and Hide Enroute Map Features

To toggle between showing (ON) and hiding (OFF) airports, airways, waypoints, navaids, airspace, and terrain on the enroute map, tap any of the filter buttons on the right side of the Enroute view.

Depending on the zoom level, certain enroute map features are automatically filtered to declutter the map.

### *Hide the Legend for Terrain*




To hide the terrain legend that appears on the enroute map when Terrain is showing, tap the **Settings** button on the Jeppesen Mobile FliteDeck toolbar, and then switch **Terrain Legend** to OFF.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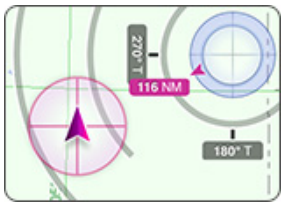
### *View Distance Calculations*

Mobile FliteDeck displays a set of range rings or arcs that provide awareness of your distance to objects on the map at a glance.

To show and hide the range rings, tap the **Range Rings** button.

As you zoom in or out, the range rings change with the map scale.The center-most ring includes a compass rose that indicates true north, south, east, and west.

### *Determine Distance with the Offset Indicator*




To determine the distance and direction from your aircraft to any other object on the map:

1. Tap the **Range Rings** button to show the range rings.
2. Pan the map so that the map object in question is in the center of the inner range ring.

   A magenta offset indicator appears, showing distance and direction to your aircraft position.

---

**NOTE** **Enabling Moving Map** in JeppFD global settings must be set to ON to determine distance and direction from your aircraft. Also, if you toggle range rings OFF, the offset indicator no longer appears.

---

## View Notes

To access notes along your route:

1. Tap the **Notes** button.
2. Select the type of note that you want to view.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3. Tap the desired note.

   Mobile FliteDeck highlights the object on the map to which the note applies.

**NOTE** Notes are based on your current view, and the zoom level must be 100 NM or less to access them.

All of the notes provided on pre-composed paper charts are available:

- **Operational:** Tactically important information regarding specific navigation elements. These notes are equivalent to Ball Flag notes on paper charts and are indicated visually on the enroute map by blue "i" icons. You can also access operational notes directly from the enroute map by tapping, holding, and then releasing the associated blue “i” icons.
- **Regional:** Procedures, conditions, or requirements for a specific geographical region. These notes are equivalent to Floating notes on paper charts.
- **Reference:** Aeronautical reference information for large charted areas. These notes are equivalent to End Panel notes on paper charts.

## View Enroute Weather

Weather data is provided by Jeppesen weather services and is obtained from either the National Weather Service or the UK Meteorological Office.

**NOTE** To receive enroute weather, **Display Enroute Wx** in JeppFD global settings must be set to ON and an Internet connection must be established.

To view enroute weather:

1. Tap the **Wx** button from the Enroute view.
2. Switch **Weather** to ON.
3. Tap the weather type that you want to view.


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Enroute weather includes surface observations, RADAR (NEXRAD, echo tops, and lightning), and icing, turbulence, and winds aloft forecasts.

## About Enroute Weather Updates

After you establish an Internet connection and switch **Weather** to ON, Mobile FliteDeck checks the selected weather type for updates. Mobile FliteDeck downloads weather data within the radius of your route or scales data to your coverage ages.

An enroute weather selection boundary displays to indicate the extent of the weather coverage area.

- If your enroute data coverage is not worldwide, Jeppesen Mobile FliteDeck downloads weather data only within the boundaries of your enroute data coverage.
- If your enroute data coverage is worldwide, and a route is entered, Jeppesen Mobile FliteDeck downloads weather data only for an area that extends 1,000 NM around your route (including the beginning and ending points of the route).
- If your enroute data coverage is worldwide, but no route is entered, Jeppesen Mobile FliteDeck downloads weather data for the selected weather type for the entire worldwide coverage.

Weather information for the selected weather type is automatically checked every six minutes. At this interval, only weather that has been updated on the Jeppesen Weather server is updated on your iPad.

You can also manually update a selected weather type by tapping the **Reload** button at the bottom of the Weather popover.


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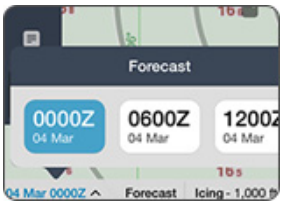
## *Surface Observations*

To view surface observations:

1. Tap the **Weather** button.
2. Switch **Weather** to ON.
3. Tap the **Surface Observations** button.
4. Tap away from the Weather popover to dismiss it and view the weather overlaid on the map.

## *Icing, Turbulence, and Winds Aloft Forecasts*



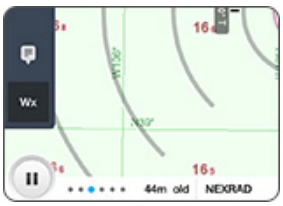

To view icing, turbulence, or winds aloft forecasts:

1. Tap the **Weather** button.
2. Switch **Weather** to ON, tap the **Icing**, **Turbulence**, or **Winds Aloft** button.
3. Tap the altitude at which you want to view the forecast weather.
4. Tap away from the Weather popover to dismiss it and view the weather overlaid on the map.

You can display up to four weather forecast images.

To change to a different forecast period after you select the weather type, tap the **Forecast** button and then select a different forecast time.

## *RADAR*




To view NEXRAD, echo tops, or lightning:

1. Tap the **Weather** button.
2. Switch **Weather** to ON, tap the **RADAR** button.
3. Tap the type of RADAR weather that you want to view.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4. Tap away from the Weather popover to dismiss it and view the weather overlaid on the map.
5. Tap the **Play** button to cycle through the series of multiple images.

**NOTE** After you tap **Play**, the animation continues to cycle through the images until you either tap the **Pause** button or deselect the weather type to stop viewing it.

# *Accessing Terminal Chart Information*

You can select multiple charts and navigate between them, highlight and rotate them all for easy access during critical phases of flight.


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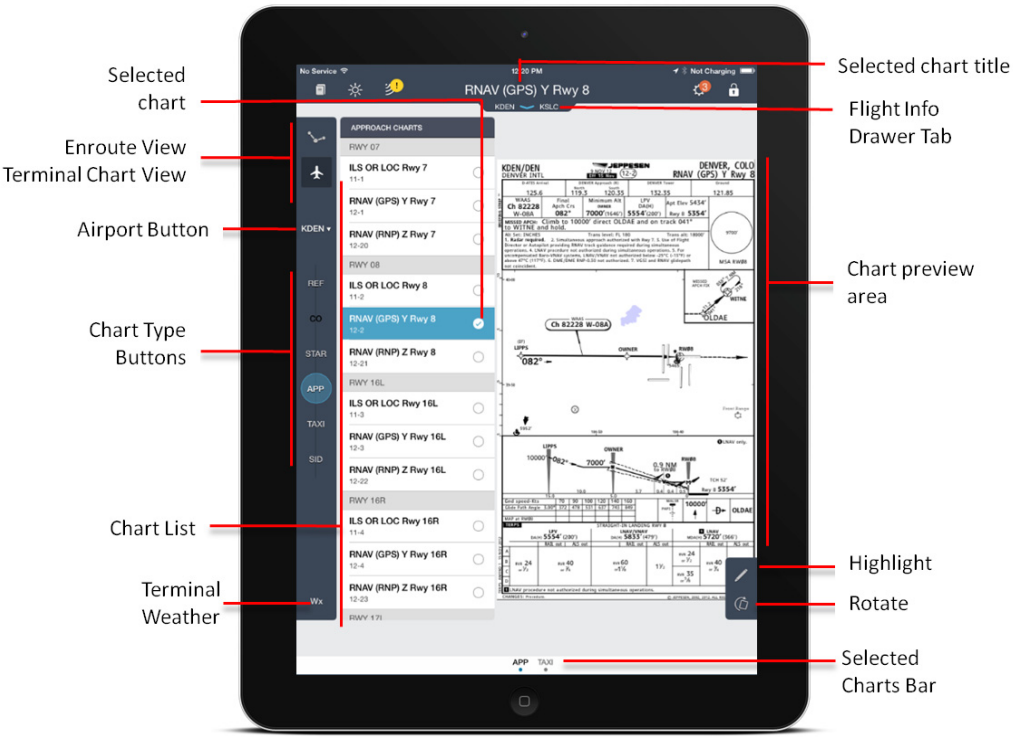
# Terminal Charts View




# Access Terminal Charts for the Active Flight

By default, the first time that you tap the **Terminal Charts** view button from an active flight, the airport diagram for the origin airport displays.

To view other charts associated with the active flight's origin airport:

1. Tap a chart type button.
2. Scroll through the list of charts.

To view terminal charts for other airports associated with the active flight (including alternate airports):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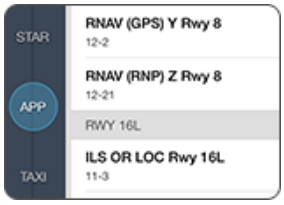
1. Tap the **Airport** button.
2. Select the desired airport from the list of airports in the active flight.

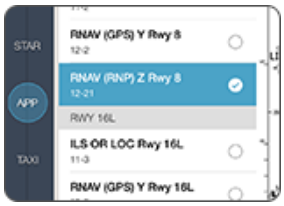
## *About Terminal Charts*




Terminal charts are organized by chart types. The chart types are:

- **REF** (Reference): Nonprocedural charts, sorted alphabetically by title.
- **CO** (Company): Your company tailored charts. (This chart type is available only if your company subscribes to Jeppesen tailored charting services).
- **STAR** (Standard Terminal Arrival): Arrival charts, sorted alphabetically by title.
- **APP** (Approach): Approach charts, grouped by runway and sorted by index number.
- **TAXI:** Taxi charts, sorted by index number.
- **SID** (Standard Instrument Departure): Departure charts, sorted alphabetically by title.

## *Select Terminal Charts for the Active Flight*




To preview and select charts for the active flight:

1. Tap the **Terminal Charts** view button.
2. Tap a chart type button and scroll through the list of charts.
3. Tap the desired chart to preview it.
4. Tap the check mark circle next to the chart to select it and add it to the selected charts bar that appears under the chart display window.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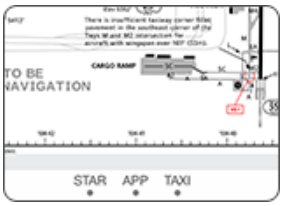
After you select a chart, whenever you tap that chart type button, the last viewed, selected chart from that chart type appears. If no charts are selected within a chart type, the chart list opens.

### *Navigate Between Selected Charts*




Each selected chart is represented by a pagination dot on the selected charts bar at the bottom of the chart display window. The chart type label also appear above the dots.

The highlighted dot identifies the chart that is currently displayed in the series of selected charts.

To navigate between the selected charts, you can:

- Use a two-finger swipe, as though you are turning the pages of a book.
- Tap outside on the left or right side of the selected charts bar to move to the previous or next chart.
- Tap the chart type button to jump across multiple selected charts.

## Highlight a Chart

To highlight information on a terminal chart, tap the **Highlight** button. In highlight mode, your finger acts as a highlighter on the chart.

Tap the **Highlight** button again to exit highlight mode or tap one of the following buttons:

- **Undo** button to remove the last highlight.
- **Clear All** button to clear all highlights.

---

**NOTE** Highlights persist on the chart until you remove the highlights or update the chart.

Highlights do not accompany charts that are shared between devices.

---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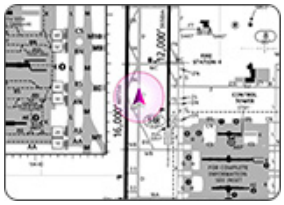
# Rotate a Chart

To rotate a chart, tap the **Rotate** button. Each time that you tap the **Rotate** button, the chart turns 90 degrees clockwise.

**NOTE** The rotated view does not accompany a chart that is shared between devices.

# Display Ownship on Approach Charts



Mobile FliteDeck displays ownship position on approach charts when:

- **Display Ownship on Approach** in JeppFD global settings is set to ON.
- The minimum required GPS accuracy to display ownship on approach charts is met.

**NOTE** The minimum required GPS accuracy to display ownship on approach charts is 50 meters.

There may be situations when you want to temporarily disable the ownship from appearing on the approach chart. To do so, tap the **GPS Status** button while viewing the approach chart, and switch **Ownship on Approach** to OFF.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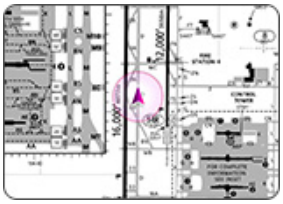
### *Viewing the Off-Map Indicator on Approach Charts*

Mobile FliteDeck provides an off-map indicator as a visual cue as to the direction from which your aircraft is approaching when:

- **Display Ownship on Approach** in JeppFD global settings is set to ON.
- Your aircraft is within 10NM of the approach chart boundary.
- The minimum required GPS accuracy to display ownship on approach charts is met.

**NOTE** The minimum required GPS accuracy to display ownship on approach charts is 50 meters.

## Display Ownship on the Airport Diagram



Mobile FliteDeck displays ownship on the airport diagram when:

- **Display Ownship on Airport Diagram** is set to ON in JeppFD global settings.
- Your aircraft is moving no faster than the speed specified in the **Arpt Diagram (10-9) Speed Threshold** in JeppFD global settings. The speed threshold is 40 knots by default.
- The minimum required GPS accuracy to display ownship on taxi diagrams is met.

**NOTE** The minimum required GPS accuracy to display ownship on a Taxi diagram is 17 meters.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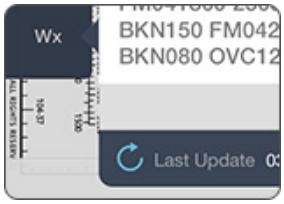
# Automatic Display of the Taxi Diagram Upon Landing

The taxi diagram for the airport at which you are landing automatically displays in Mobile FliteDeck when:

- **Show Taxi On Landing** is set to ON from the **Settings** button on the Mobile FliteDeck toolbar.
- The minimum required GPS accuracy to display ownship on taxi diagrams is met.

**NOTE** The automatic display of a taxi diagram is based on the speed threshold that is specified for in the **Arpt Diagram (10-9) Speed Threshold** in JeppFD global settings. The speed threshold is 40 knots by default.

# View Terminal Weather




Weather data is provided by Jeppesen weather services and is obtained from either the National Weather Service or the UK Meteorological Office.

**NOTE** To receive terminal weather, **Display METAR/TAF** in JeppFD global settings must be set to ON and an Internet connection must be established.

To view METAR or TAF weather data:

- From Terminal Charts view, tap the **Wx** button.

  A Weather popover for the selected airport displays.

If the weather data is expired, a weather warning appears in red in the same location as the weather age. METAR and TAF updates occur separately.

To manually update the weather data: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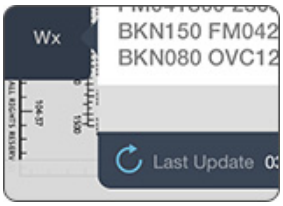
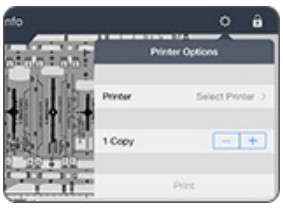



- Tap the **Reload** button at the bottom of the Weather popover.
- Tap away from the popover to dismiss it.

## Print a Terminal Chart




To print the displayed chart to an AirPrint-enabled printer:

1. Tap the **Settings** button on the Mobile FliteDeck toolbar.
2. Tap **Print**.
3. Select the printer and the number of copies.
4. Tap the **Print** button.

**NOTE** Charts print out one per page and cannot be re-formatted.

## Access Charts for Airports Not Associated with the Active Flight

To access terminal charts for an airport not associated with the active flight:

1. Tap the **Airport** button.
2. Tap the **All Airports** button at the bottom of the Airports popover.
3. Tap in the Search field and enter the city name or airport ICAO or IATA identifier.
4. Tap the airport name from the results list to select it.
5. Tap a chart type button and scroll through the list of charts for that airport's chart type.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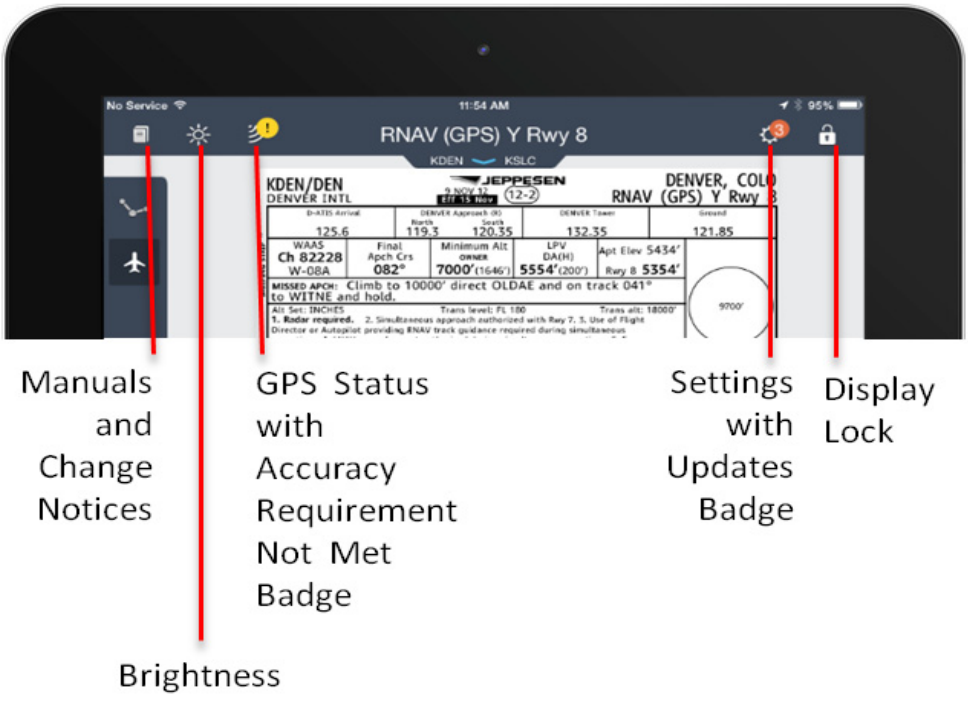
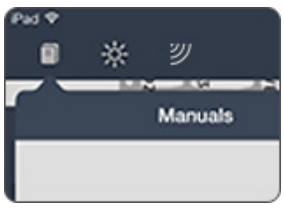
# Toolbar Common Tasks

The Mobile FliteDeck toolbar is available to you from all views and display orientations so that you can easily perform common tasks.

## Mobile FliteDeck Toolbar




### *View Manuals*




**NOTE** You must have a PDF reader app installed on your iPad to view manuals.

To view a manual:

1. Tap the **Manuals** button on the Mobile FliteDeck toolbar.
2. Select the manual that you want to view.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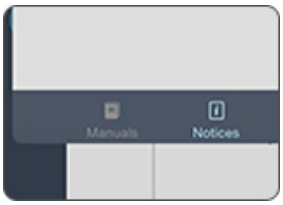
3. Select the PDF reader app of your choice.

You can use a four-finger swipe to move between the PDF reader app and the Jeppesen Mobile FliteDeck app.

**NOTE** If your company subscribes to Jeppesen Document Management Services, in addition to the Jeppesen Standard Airway Manuals, your company documents might also be available from the **Manuals** button on the FliteDeck toolbar.

## *View Change Notices*




Change notices are available based on your current view. For example, in Enroute view, change notices are displayed by region. In Terminal Charts view, change notices are displayed for the selected airport.

To view change notices, tap the **Manuals** button on the Mobile FliteDeck toolbar, and then tap the **Notices** button at the bottom of the Manuals popover.

- From the Terminal Charts view, any available notices for the selected airport appear in a popover.
- From the Enroute view, select the region for which you want to view change notices, and then select the PDF reader app of your choice to view the notices.

**NOTE** You can access the most recent change notices by tapping the jeppesen.com link at the bottom of the Change Notices popover.

### On Demand Access to More Recent Change Notices

You can access more recent change notices by tapping the jeppesen.com web link at the bottom of the Change Notices popover. These change notices are updated on a daily basis.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To access more recent change notices:

1. Tap the **Manuals** button.
2. Tap the **Notices** button at the bottom of the popover.
3. Tap **View More Recent Change Notices at jeppesen.com** at the bottom of the popover.

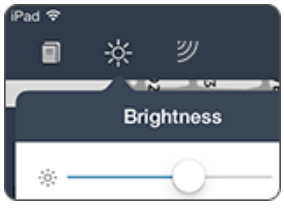
   A browser window opens.

- Select your desired output format (Jeppesen or ICAO).
- Select Airports or FIRs.
- Tap in the Search field and enter the airport or FIR boundary name.
- Tap the **Search** button.

You can use a four-finger swipe to navigate between the browser and theJeppesen Mobile FliteDeck app.

**NOTE** Check NOTAMs and all other pertinent information prior to flight.

## *Adjust Brightness and Night Theme*




To adjust the display brightness, tap the **Brightness** button on the FliteDeck toolbar, and then slide the brightness control to decrease or increase the display brightness.

To adjust for optimal viewing in low-light conditions, switch the **Night Theme** to ON.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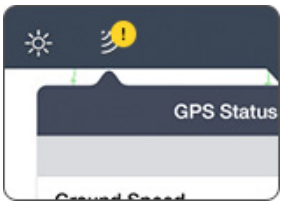
## *Identify GPS Status*



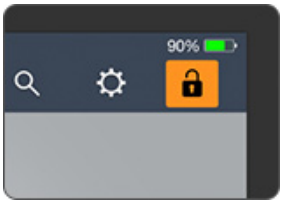

The **GPS Status** button appears on the Jeppesen Mobile FliteDeck toolbar when **Enable Moving Map** or either one of the two **Display Ownship** settings in JeppFD global settings is set to ON.

Tap the **GPS Status** button to view the current ground speed, GPS altitude, last position received, and accuracy status.

A badge appears over the **GPS Status** button if the GPS signal does not meet the minimum accuracy requirement. The minimum required GPS accuracy to display ownship position is:

- 200 meters for the enroute map.
- 50 meters for approach charts.
- 17 meters for an airport diagram.

## *Lock the Display*




To lock and unlock the Jeppesen Mobile FliteDeck display, tap the **Display Lock** button on the toolbar.

Locking the display prevents you from accidentally panning or zooming away from the current display.

When the display is locked, the **Display Lock** button is highlighted and you cannot access any other FliteDeck button.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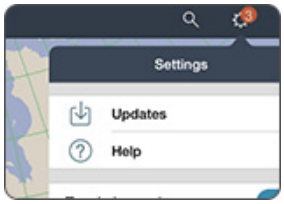
# *Data Updates*

Jeppesen Mobile FliteDeck provides a simple and quick way to verify the status of your enroute, terminal charts, and manuals data; and if required, perform updates.

## Perform an Update




Whenever data updates are available, a badge appears on the **Settings** button on the Jeppesen Mobile FliteDeck toolbar. The badge indicates the number of updates available.

- The badge is amber when data is current, and an update is available.
- The badge is red when data is not current.

To perform updates:

1. Tap the **Settings** button.
2. Tap **Updates**.
3. Tap the **Update** button.

Download time depends on the quality of your connection to the Internet and the size of the required updates.

At any time during an update, you can pause the download by tapping the **Pause** button at the top of the update status line.

If more than one update is available, Jeppesen Mobile FliteDeck automatically begins to download the next available update. To resume downloading after pausing an update, tap the **Resume** button at the top of the update status line.

To cancel all updates and exit Updates, tap the **X** at the top of the Updates screen. To resume updates after having canceled, tap the **Settings** button, tap **Updates**, and then tap the **Resume** button.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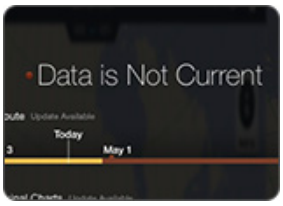
# About Data Currency




To view the status of your Enroute, Terminal Chart, and Manual data, tap the **Settings** button and then tap **Updates** on the Mobile FliteDeck toolbar.

Data is identified as *Current* or *Not Current*.

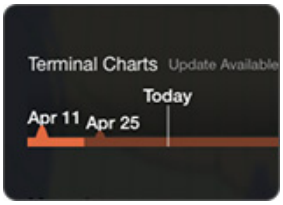
Mobile FliteDeck further displays a bar chart for each of the three data update cycles. Each bar chart displays the current date for reference, and current and not current dates for the data.

## *Update Bar Chart Color Codes*

The bar chart color codes are:

- Green, which indicates that current data is in use.
- Amber, which indicates that current data is in use with an update available.
- Red, which indicates that data is not current.

## *Update Bar Chart Color Codes When Two Data Sets Are Available*




When two data sets are available, the bar chart color codes are:

- Light green, which indicates that current data is in use.
- Dark green, which indicates that data is available but not in use.
- Light red, which indicates that data is not current.
- Dark red, which indicates that the next update has not been downloaded.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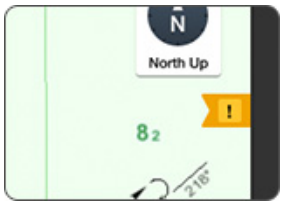
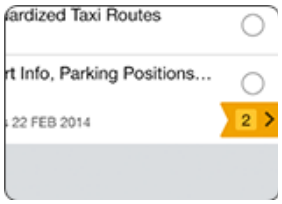
## *Switch Between Two Available Enroute Database Versions*




When two enroute databases are available, the effective date of the database in use appears in the amber tag on the map. To manually change enroute database versions when more than one version is available:

1. Tap the **Settings** button
2. Tap the **Updates** button.
3. Tap the **Switch Back to Data Expiring [date]** to view that database.
4. To return to the current database, tap S**witch to Data Effective [date]**.

## *Switch Between Two Available Terminal Chart Versions*




When a terminal chart is revised mid-cycle, the revision date appears along with an amber tag next to the chart title on the chart list. To change terminal chart versions when more than one version is available:

1. Tap the amber tag from the chart list to display the Revision popover.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2. Tap the chart title to view a different version of the chart.

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**NOTE** When a chart does not have an effective date on it, it is considered effective (usable) upon receipt and Jeppesen Mobile FliteDeck displays it as soon as you update.

If a chart has an effective date, Jeppesen Mobile FliteDeck continues to show the current version until 24 hours before its effective date. Then Jeppesen Mobile FliteDeck enables you to select either the original version or the newer version. At 24 hours after the effective date, the app shows only the new version of the chart.

If an approach chart is revised mid-cycle and the runway is changed, the chart will be listed under a General chart type category in the Terminal Charts view list.

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