



AVNAV DOCUMENTATION

AvNav: Getting Started

A practical walkthrough with screenshots,
controls, and workflow guidance.

AvNav Getting Started

First Things First: App Layout Explained

Learn where the main icons, search tools, map controls, bottom sheet, and altitude bar live in AvNav.

What you will learn

This topic explains how the AvNav interface is organized, where to find the main tools, and how to move around the app confidently.

AvNav is a next-generation Electronic Flight Bag (EFB) that combines live ATC transcription, 3D airspace visualization, and AI-powered flight planning into a single system for pilots.

By connecting what is being said (ATC), what is happening (traffic and airspace), and what pilots should do next (AI planning), AvNav turns the EFB from a passive reference tool into a more intelligent cockpit assistant.

Because AvNav is designed as a **3D-first system**, some controls and layout assumptions differ from traditional 2D EFBs. It is worth spending a few minutes understanding the layout before you start planning flights.

Tip

If you are new to AvNav, start by learning the layout first. Once you know where the controls live, flight planning becomes much easier.

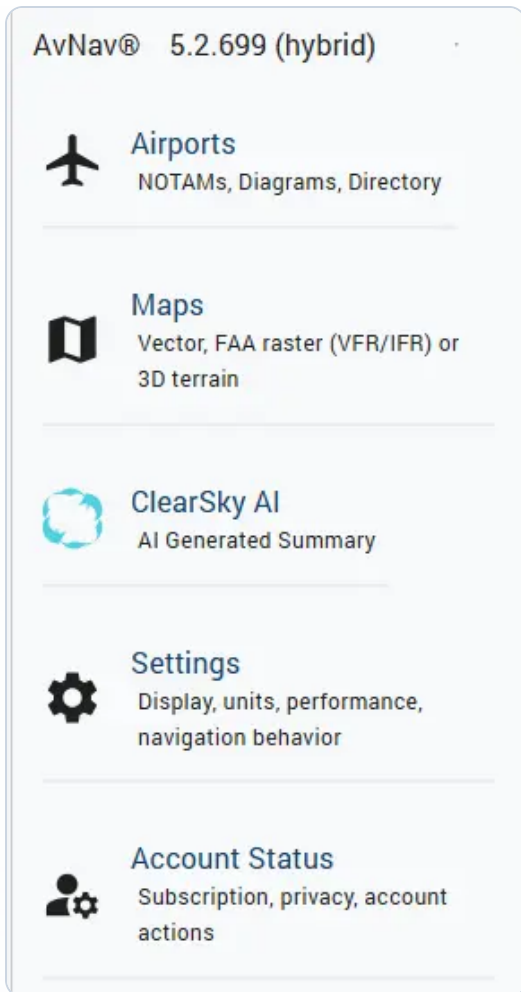


The main map view is your primary workspace in AvNav.

Main menu and app structure

The **Menu** button in the upper-left corner opens the main navigation for the app.

AvNav uses a **hierarchical drawer menu**, which means the main menu opens the top-level sections of the app first, and each section can lead to more detailed tools and pages underneath it.



The side navigation menu provides access to airports, maps, planning, weather, and tools.

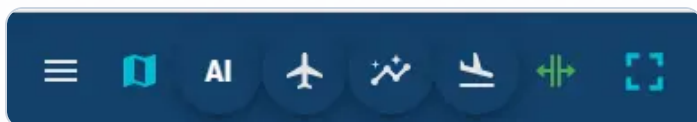
Use the drawer menu when you want to:

- move between major areas of the app
- access planning, settings, downloads, and other tools
- find features that are not pinned directly on the map screen

Think of the drawer menu as the main table of contents for AvNav.

Top-row navigation icons

The icon row at the top of the map gives you quick access to the most important AvNav pages and tools.



Top-row navigation provides fast access to key map, airport, planning, and help actions.

From left to right, these icons provide quick access to:

- **Primary Map** – returns you to the main map view
- **ClearSky AI** – opens AI-powered flight planning and weather guidance
- **Airport Page** – opens airport information and airport tools
- **Flight Plan Page** – opens flight planning and route editing tools
- **Approach Plates** – opens approach plates and related chart views
- **Split-Screen Control** – switches to split-screen mode
- **Full-Screen Control** – expands or restores the map view

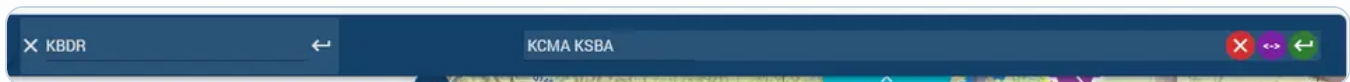
These icons are designed to let you move quickly between AvNav's most important functions without leaving the main map workflow.

Tip

If you are not sure what an icon does, tap it once and inspect the destination panel or menu. This is the fastest way to become familiar with the interface.

Search box: routes and airports

The search box at the top of the map is one of the fastest ways to find airports, jump to locations, and build routes.



Use the search box to find airports, load locations, and start route entry.

Use the search box to:

- **Find airports** by identifier, such as KBDR, KCMA, or KSBA
- **Enter a full route**, including Victor airways, such as KBDR DPK V1 CRE KCRE
- **Add waypoints** to the current route
- **Load routes from history**
- **Clear or reverse a route** using the route controls beside the box

When a route is active, the search box also becomes a quick route-editing entry point. You can use it to modify the route without leaving the map.

Tip

For fastest route entry, type the route in the same order you would brief it: departure, intermediate fixes or airways, then destination.

Top-center map action buttons

The row of buttons across the top of the map includes key map actions such as:



Top-center actions provide quick access to layers, navigation controls, centering, and traffic tools.

- **Layers** – choose the base map and turn overlays on or off
- **Nav** – access navigation-related controls
- **Center** – center the map or return focus to the current navigation context
- **ADSB** – access traffic-related display and ADS-B functionality

The **Layers** button is especially important because it controls how the map is displayed.

Use **Layers** to select:

- the base map style
- overlays
- traffic or weather layers
- other map display options

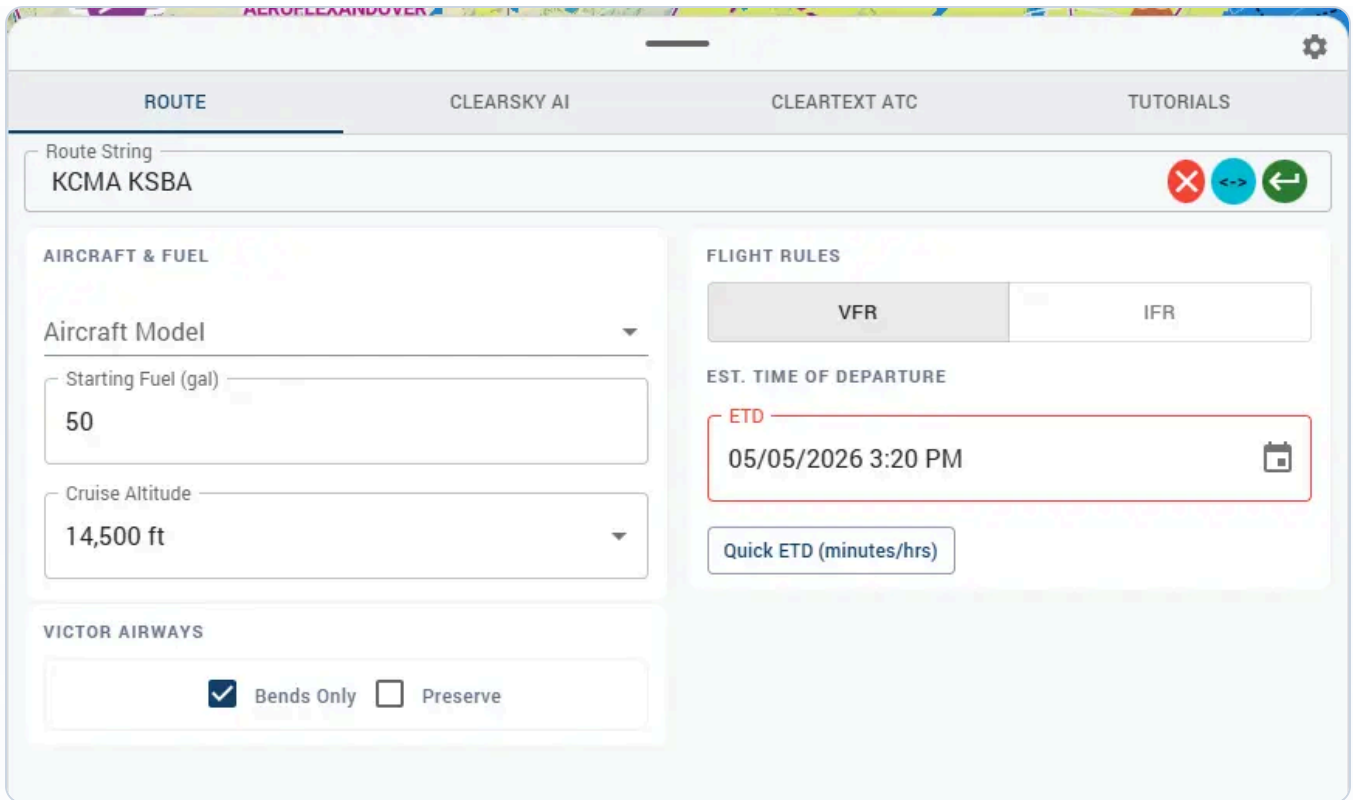
This lets you tailor the map for route planning, enroute awareness, or airport-area review.

Bottom sheet

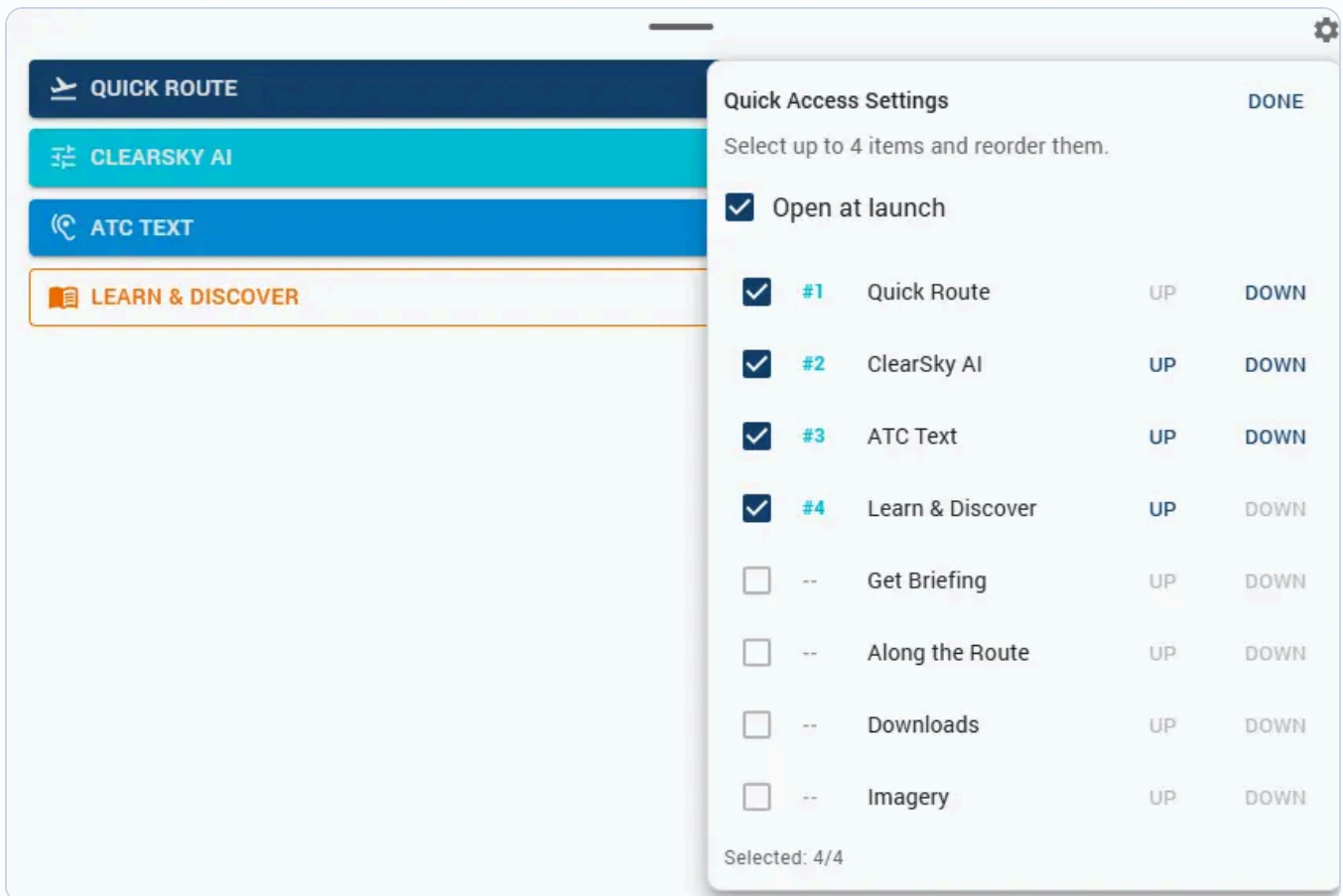
The **bottom sheet** is one of the main entry points into AvNav.



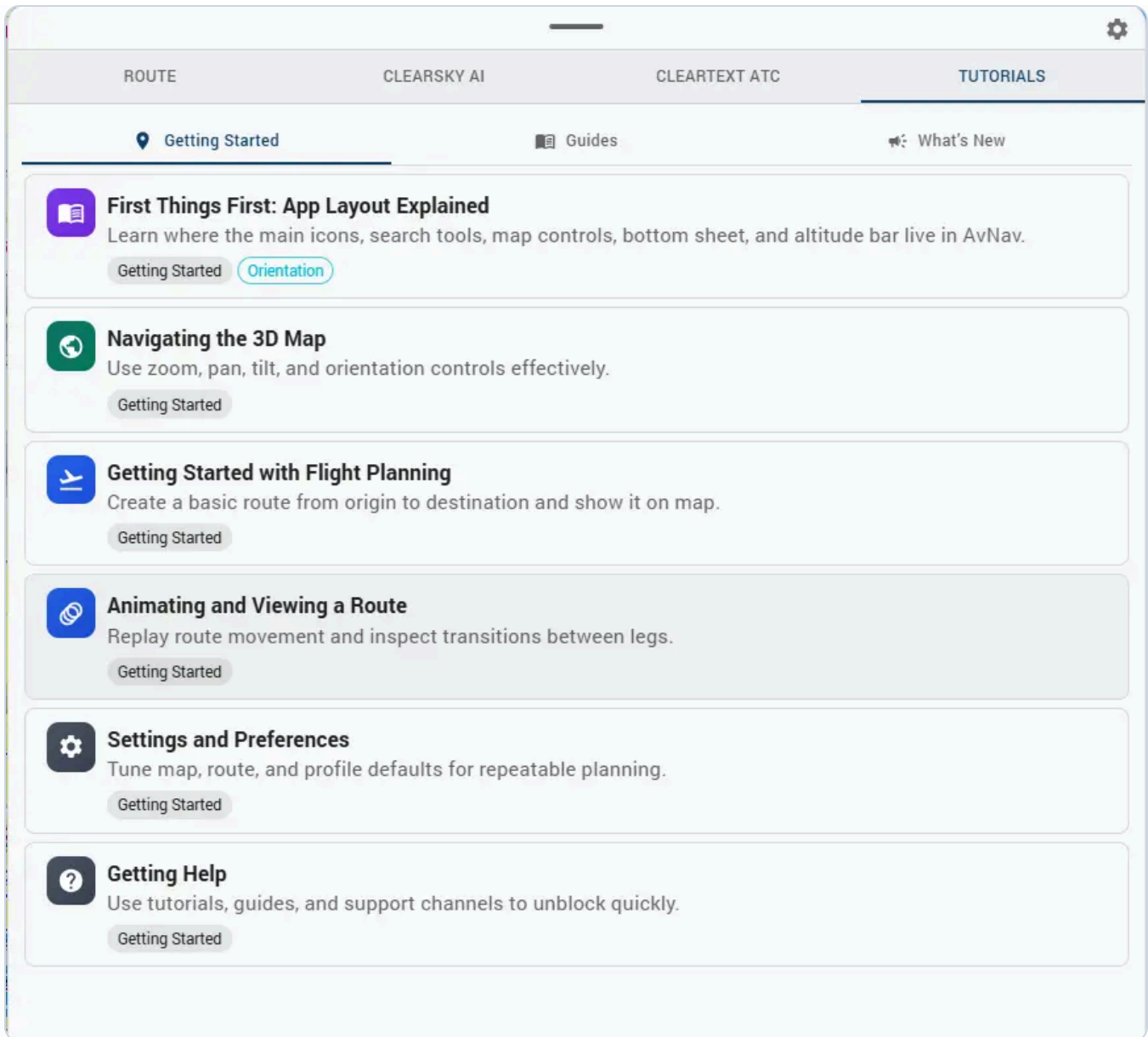
The bottom sheet starts in a compact collapsed state with a visible drag handle.



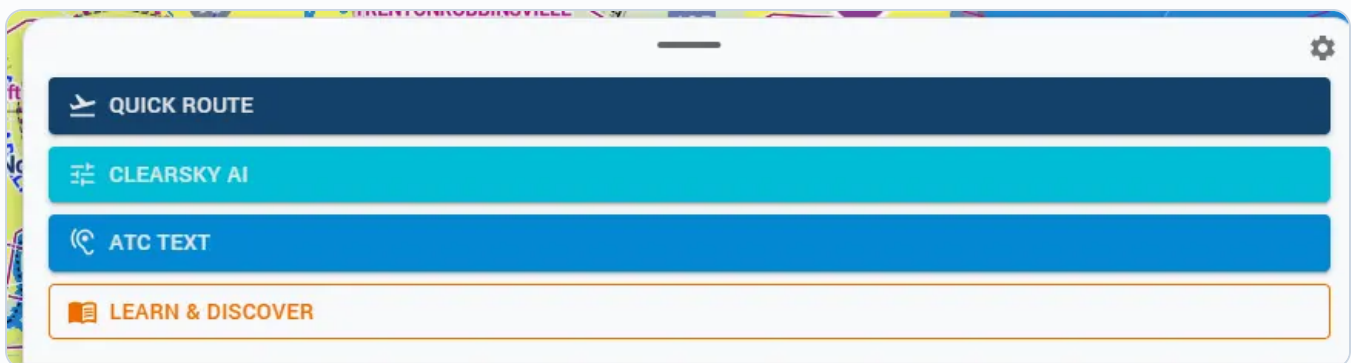
Expand the sheet to access quick actions such as route, AI, ATC text, and Learn & Discover.



Open Learn & Discover to browse Getting Started, Guides, and What's New topics.



Use settings to choose which shortcuts appear and in what order.



Keep key actions docked for one-tap access while staying on the map.

It provides fast access to frequently used features and can be configured to match your workflow.

You can use the bottom sheet to:

- open frequently used tools quickly
- pin up to four commonly used items
- include shortcuts that matter most for your flying workflow
- include the Help system itself for quick access

This makes the bottom sheet a practical “favorites bar” for the features you use most often.

Tip

A good setup is to reserve your bottom sheet for the tools you reach for repeatedly, such as Route, Airport Info, ClearSky AI, and Help.

Right-side route controls

The right-side route controls give you quick access to common route and map actions without leaving the main map view.



Route action controls let you quickly access Nearest, Procedures, Direct, Fit, Rotate, and Animate.

Use these controls to:

- **Nearest** – find nearby airports and navigation points
- **Procedures** – view or add available procedures
- **Direct** – start direct-to navigation
- **Fit** – fit the active route on the map
- **Rotate** – rotate the map or route view
- **Animate** – replay route movement and inspect transitions between legs

These controls are designed for quick route review and in-flight or preflight adjustments from the map.

Altitude bar

The **altitude bar** provides a quick way to set or inspect altitude in the 3D map.

It helps you:

- choose a cruising altitude that clears terrain along your route
- identify terrain that may be above your selected altitude, shown in red
- understand the route profile and surrounding terrain
- see terrain context dynamically in flight, when the altitude is slaved to your GPS altitude

As you work with 3D navigation and route planning, the altitude bar becomes an important visual aid for terrain awareness.



Use the altitude bar to inspect terrain clearance, route profile, and altitude context.

Map controls and animated NEXRAD

The **map control cluster** at the upper left provides a quick way to adjust the map view.

It helps you:

- zoom in or out without using a mouse wheel or pinch gesture
- switch between 2D and 3D map views
- change the pitch of the map
- start, pause, and resume NEXRAD animation

These controls are alternatives to using the mouse wheel, touch gestures, or pinch-to-zoom.



Use the map controls to change zoom, pitch, 2D/3D view, and NEXRAD animation.

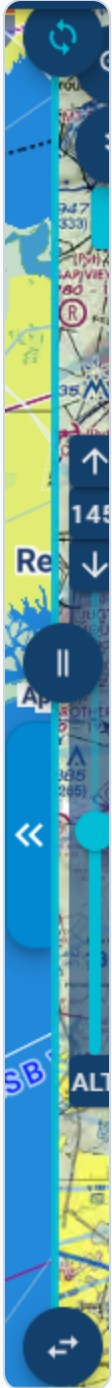
Map synchronization and split-screen controls

The **split-screen controls** along the centerline provide a way to toggle map synchronization when two maps are shown on screen.

You can also use the flip control to switch the split view between left-to-right and top-to-bottom layouts.

The handle icon is used to resize the split views to the size you prefer.

Split screen can be toggled on and off from the top navigation bar.



Use these controls to toggle map synchronization and resize or flip split views.

Quick orientation

Use this short tour to connect the controls on this page with the actual map screen.

1. Start on the main map.
2. Open the **Menu** to see the main AvNav sections.
3. Use the **top-row icons** to move between the primary map, ClearSky AI, airport page, flight plan page, approach plates, split-screen, and full-screen controls.
4. Use the **search box** to look up an airport or enter a route.

5. Tap **Layers** to choose the base map and map overlays.
6. Open the **bottom sheet** to access Route, ClearSky AI, ClearText ATC, and Learn & Discover.
7. Use the **right-side route controls** for actions such as Nearest, Procedures, Direct, Fit, Rotate, and Animate.
8. Use the **altitude bar** to inspect terrain and altitude context.

Try this

Try this one-minute layout check:

1. Search for an airport, such as KCMA or KSBA.
2. Tap **Layers** and review the available map options.
3. Open the **bottom sheet** and confirm that Learn & Discover is available.
4. Tap **Fit** to fit the active route or map view.
5. Switch between **2D** and **3D** using the map controls.
6. Move the **altitude bar** and watch how terrain context changes.

After this quick tour, you should know where the main controls live and how to start exploring AvNav.

Related topics

- Navigating the 3D Map
- Getting Started with Flight Planning
- Settings and Preferences
- Getting Help

Getting ClearText ATC Transcription

Transcribe ATC communications into clear text for better situational awareness.

How to get ClearText ATC transcription in the air

If your audio panel supports high-quality Bluetooth audio, connect it directly to your iPhone, iPad, or other device.

If your audio panel has an AUX output, you can also connect a Bluetooth transmitter to the audio panel and pair it with your iPhone or iPad.

If Bluetooth is not available, connect an AUX splitter to the aircraft audio jack. Connect your headset to one end of the splitter, and connect a USB-C audio adapter from the other end to your iPhone,

iPad, or other device.

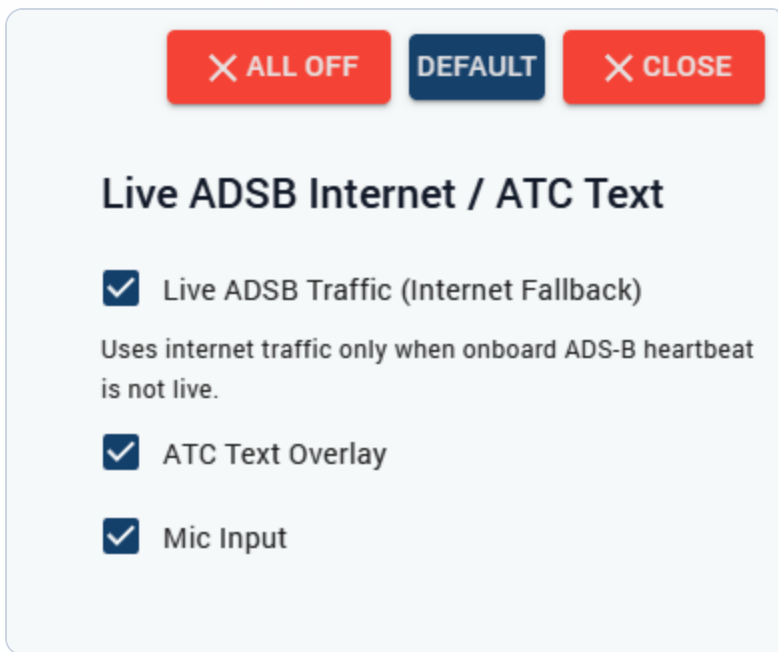
When iOS asks whether the connected device is a headphone, select **Yes**.

In AvNav, open **Layers** and turn on **ATC Transcription**.

In the same settings area, turn on the microphone. The app will ask for microphone permission. Select **Yes**.

ATC text appears at the bottom of the map. You can expand the accordion to see the history of ATC messages.

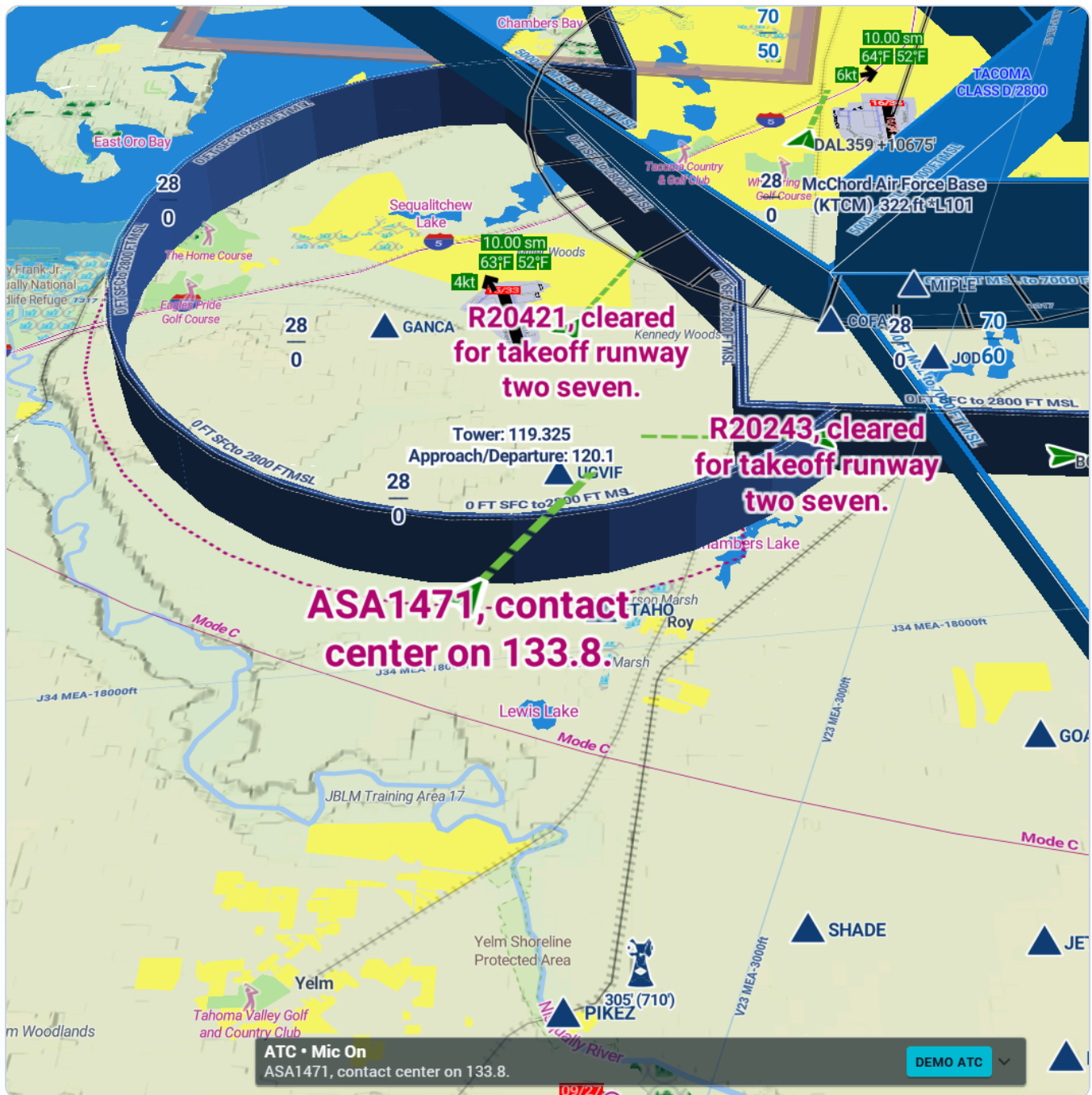
If you are connected to ADS-B, you will see ADS-B traffic on the map. When ClearText can associate a transmission with a traffic target, the text can appear next to the aircraft tail number on the map.



Turn on ATC Transcription from the Layers panel. Use Internet ADS-B with transcription to associate text with traffic targets.



Expand the transcript panel to review recent ClearText messages.



ClearText messages appear on the map and can be expanded for history.

How to test ClearText ATC transcription on the ground

Open **Layers** and turn on **ATC Transcription**.

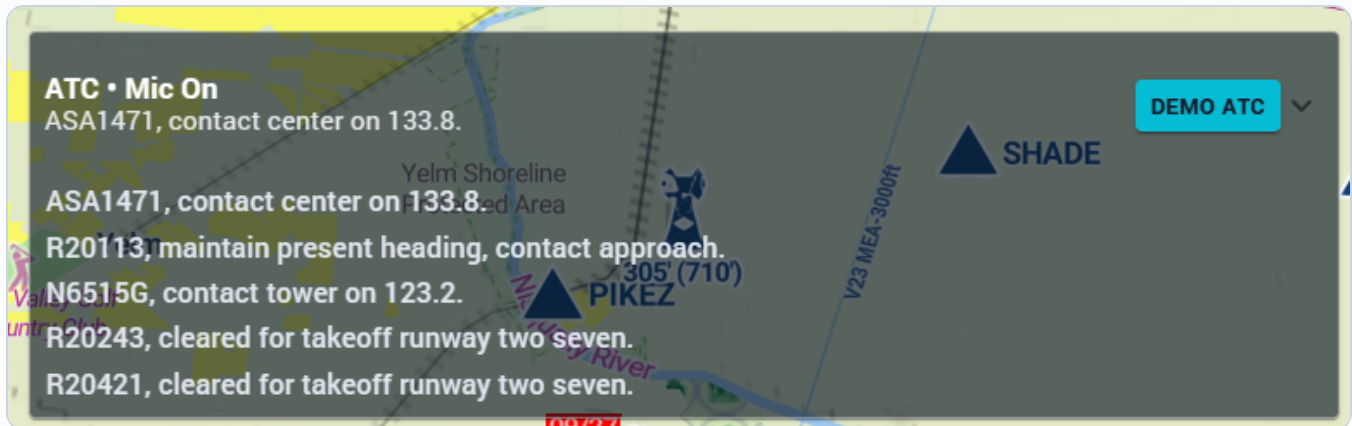
In the same settings area, turn on the microphone. The app will ask for microphone permission. Select **Yes**.

Also turn on **Internet ADS-B**. This will show ADS-B traffic on the map.

Speak into the microphone. ClearText will transcribe your voice.

If you speak the tail number of nearby traffic in your transmission, the text can appear next to that aircraft on the map.

Use the **Demo ATC** button to inject sample ATC text into the ATC panel for testing.



Expand the transcript panel to review recent ClearText messages.



Use Sporty's Audio Cable to connect your device to the aircraft audio.



You can also use a bluetooth retransmitter to connect your audio panel to device.

Navigating the 3D Map

Use zoom, pan, tilt, and orientation controls effectively.

How to navigate a 3D-first map

Unlike traditional 2D EFBs, AvNav is designed around a 3D map. Airspace, flight paths, terrain, and obstacles are shown at altitude, so you can understand the vertical picture more naturally.

To keep the map easy to use, AvNav supports both gestures and on-screen controls.



3D view showing airspace and traffic context on the map.

Pitch the map

Pitch changes the viewing angle of the map.

- **iPhone, iPad, and Android:** swipe up or down with two fingers.
- **Windows and Linux:** hold **Control** and drag up or down with the left mouse button.
- **macOS:** hold **Command** and drag up or down with the left mouse button.

Zoom the map

Zoom changes how close you are to the map.

- **iPhone, iPad, and Android:** pinch in or out.
- **Desktop:** use the mouse scroll wheel.

Rotate the map

Rotate changes the map bearing.

- **iPhone, iPad, and Android:** use a two-finger rotate gesture.
- **Windows and Linux:** hold **Control** and drag left or right with the left mouse button.
- **macOS:** hold **Command** and drag left or right with the left mouse button.

Use the 3D controls

If gestures feel difficult, use the map controls at the upper left.



Use the map controls to change zoom, pitch, 2D/3D view.

The map controls let you:

- zoom in and out
- pitch the map up or down
- switch between **2D** and **3D**
- start, pause, or resume animated NEXRAD

These controls are useful when you want smaller, more predictable map adjustments.

Feeling lost?

Use these controls to quickly return to a familiar view:



- **Fit Route** – fits the active route or map view on screen



- **Center Map** – recenters the map



- **2D View** – returns the map to a traditional flat view

If the 3D view becomes confusing, tap **2D**, then use **Center** or **Fit** to reset your view before returning to 3D.

What's New

What's New in the Latest Release

Highlights of recent improvements and workflow updates.

May 6th, 2026 Release

Since Sun 'n Fun, we have continued improving AvNav quickly. The latest updates include:

- AvNav now includes new FBO and fuel price information, including color-coded fuel prices on the map so you can optimize stops and reduce fuel costs.
- Internet ADS-B traffic coverage has been expanded across the United States, rather than being limited to the Lakeland area.
- Onboarding has been improved with a customizable bottom sheet that helps new users immediately plan a flight, try ClearSky AI, or view ATC transcriptions.
- A new Learn & Discover section has been added to make it easier to get started and find help.
- An altitude-planning issue that could cause the app to hang during some route calculations has been fixed.

FBO

Turbo Air



4000 S. Orchard St., Boise, ID, 83705

Phone: [\(208\) 343-3300](tel:(208)343-3300)

Arinc: 0.000 Unicom: 122.950

Fuel Brand: Phillips 66 Updated: 04/27/2026

100LL Full: \$7.60 JetA Full: \$8.01

100LL Self: \$7.60 JetA Self: N/A

Mogas Full: N/A Jet A PRIST Full: \$8.11

Mogas Self: N/A Jet A PRIST Self: N/A

🕒 Hours

💳 Payment

Fuel Terms Available: Yes

Guaranteed: No

Tax Included: Yes

Unit: G

Currency: USD

📄 Description

📝 Notes

N/A

Western Aircraft



4300 Kennedy St., Boise, ID, 83705-5090

Phone: [\(208\) 385-5104](tel:(208)385-5104)

Arinc: 0.000 Unicom: 129.800

Fuel Brand: Avfuel Updated: 05/05/2026

100LL Full: \$8.43 JetA Full: \$7.85

100LL Self: N/A JetA Self: N/A

Mogas Full: N/A Jet A PRIST Full: \$7.95

Mogas Self: N/A Jet A PRIST Self: N/A

🚗 Ground Transport

Ground Transportation

👤 Passenger Amenities

Pilot Lounge, Restrooms

🛢 Fuel & Ramp

Fuel Retailer, GPU/Power Cart, Oxygen Service, Transient Parking

🔧 Maintenance

Aircraft Ground Service, Aircraft Interiors, Aircraft Washing/Detailing, Airframe/Powerplant Maintenance, Avionics Maintenance

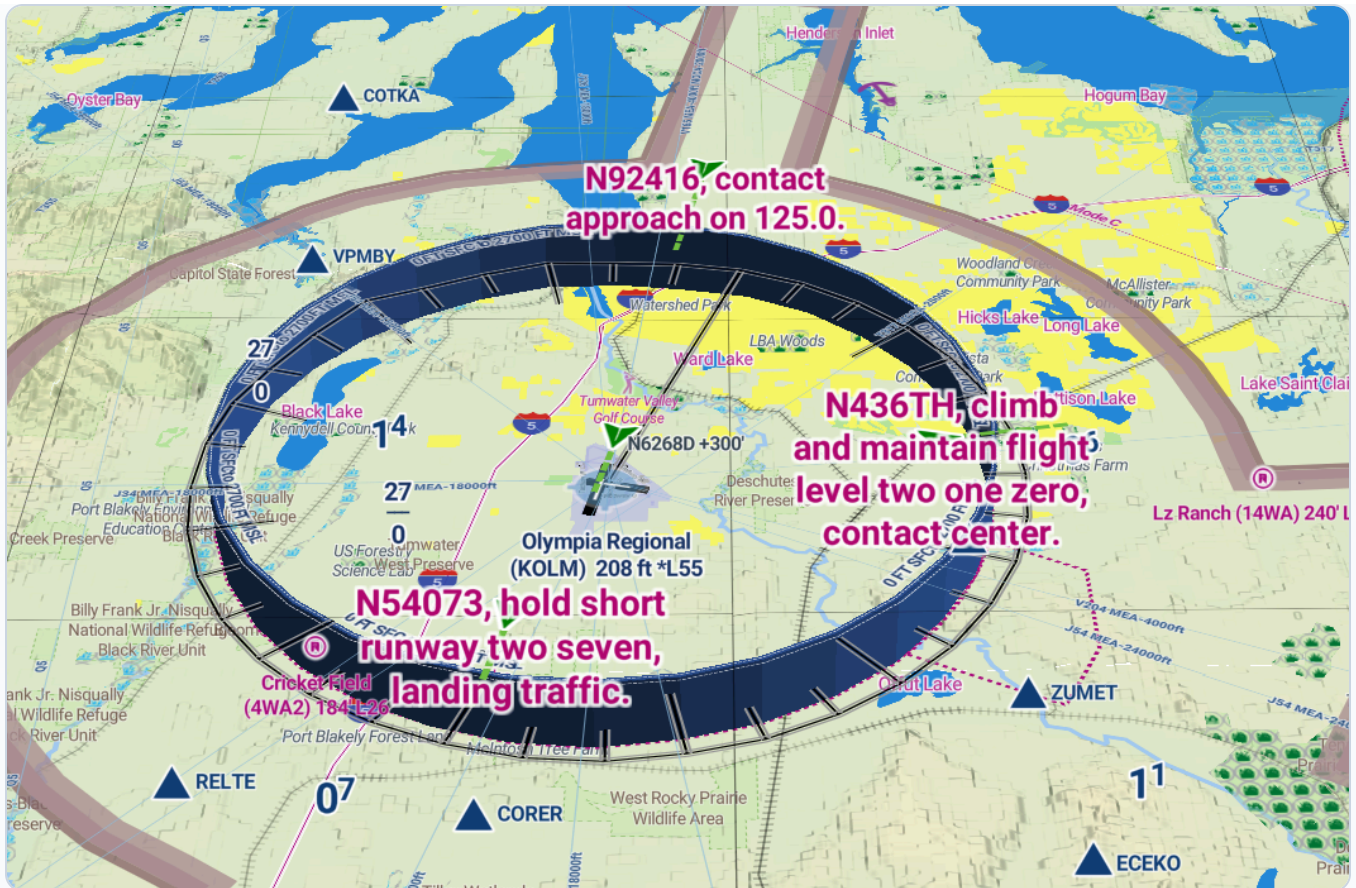
🏠 Hangar

Hangar Sales/Leasing, Transient Hangars

✈ Flight Ops

Aircraft Management, Aircraft Sales/Leasing/Brokerage, Charter Service

Highlights from the May 6th, 2026 release.



Additional highlights from the latest release.

The goal of this update is simple: make AvNav easier to learn, easier to use, and more useful for real flight planning.

Roadmap

What's Coming Next

Preview upcoming releases and features.

Coming Next

Our immediate focus is to complete the remaining components of a full Electronic Flight Bag (EFB) by Memorial Day.

Milestone 1: This week

- Flight logging and review, including replay
- Fuel-prices integration – completed
- Preferred routes

Milestone 2: Following 2 Weeks

- Aircraft performance library
- Terrain profile view
- PFD-style in-flight view

Milestone 3: Final Memorial Day Update

- Weight and balance
- Checklist system

We are also reviewing and prioritizing additional feature requests received from pilots at Sun 'n Fun, including gliding rings, chart and plate notes, airspace alerts, view switching on takeoff and landing.