

Dynon SkyView manual

Load AvSoft chart data, configure maps and connect AvPlan EFB to Dynon SkyView.

Operational information should always be verified against current regulations and official sources. This manual does not replace pilot judgement or regulatory obligations.

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1 Prepare for a Dynon update

Before downloading or loading data, make sure you have:

- A USB drive with at least 2 GB of available storage.
- Dynon SkyView operating system version 13.0.3 or later.
- Dynon navigation mapping software version SV-270 or later.
- An AvPlan EFB subscription that includes SkyView or AFS digital chart data.

Follow Dynon's instructions to download and install the required SkyView software.

WARNING

Start each update with an empty USB drive. Replacing files may leave older files that are no longer included in the current package, and SkyView may then load outdated data.

WARNING

Use a USB drive no larger than 32 GB and format it as FAT32. SkyView cannot use higher-capacity drives formatted with an unsupported file system.

Use SanDisk USB 3.1 drives with older SkyView software

Some SanDisk USB 3.1 drives may cause SkyView software earlier than version 16 to remain on the start-up screen. Dynon advises that this issue was corrected in version 16.

If the aircraft uses an earlier release, insert the drive after SkyView has started or use a different USB drive.

2 Download Dynon maps, charts and data

After purchasing the required subscription, download the Dynon ZIP package from the AvPlan EFB website. The package contains the current AVDATA, obstacles, charts and plates.

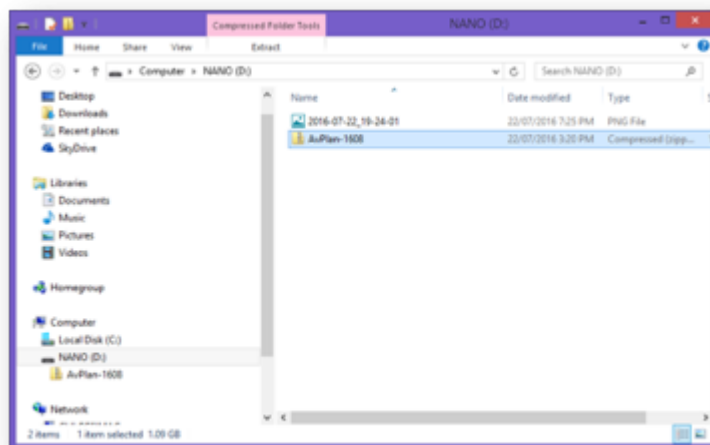
WARNING

Copy the package to an empty FAT32 USB drive. Do not remove files from the package unless the procedure explicitly permits it.

Copy the package to the USB drive

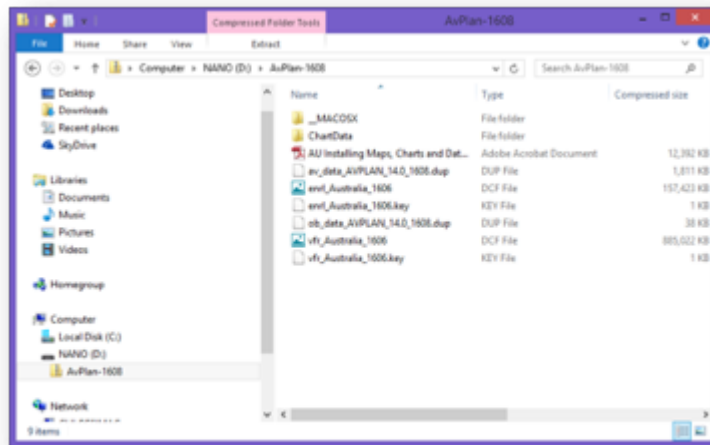
Windows

1. Download the specified ZIP file to the Windows computer and note where it is saved.
2. Open **File Explorer**, locate the ZIP file and double-click it to show its contents.



Downloaded Dynon ZIP package

3. Extract the ZIP file, then open the extracted folder.

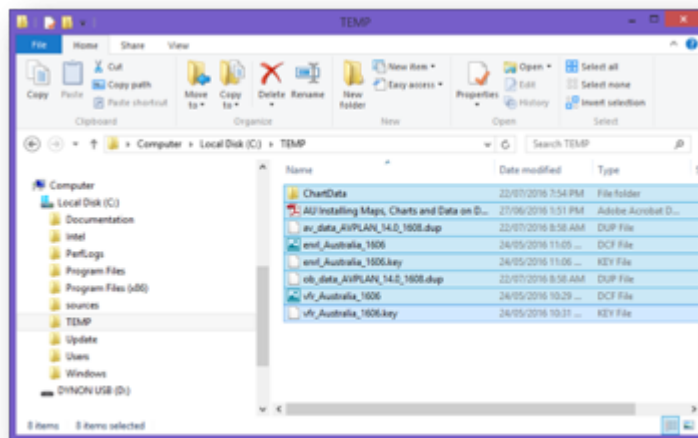


Extracted Dynon package

4. Select every file and folder in the extracted package. To select a continuous list, click the first item, hold **Shift**, then click the last item.

INFO

You may omit the `_MACOSX` folder on Windows. Copy every other file and folder, including any items not shown in these examples.

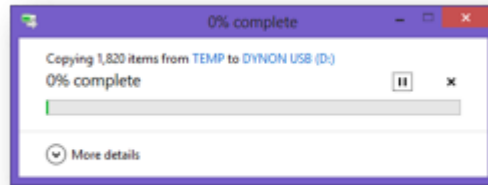


Selected Dynon package contents

WARNING

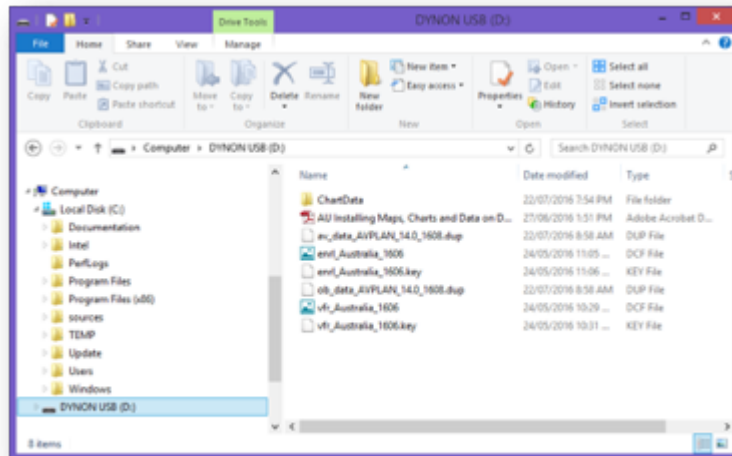
If Windows asks how to handle duplicate files, select **Replace** so the USB drive receives the current files.

5. Drag the selected items to the USB drive in the File Explorer drive list.
6. Wait for the copy to finish.



Dynon files copying to the USB drive

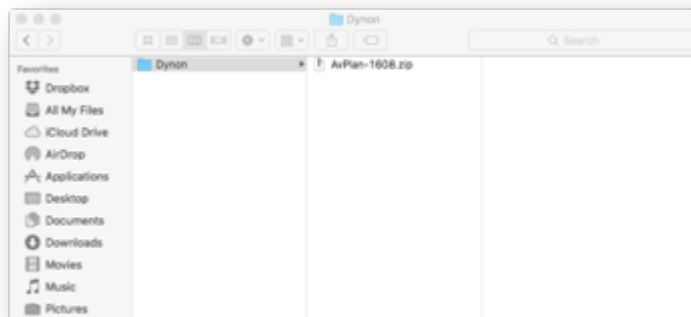
7. Open the USB drive and confirm that its root directory contains the copied files and folders.



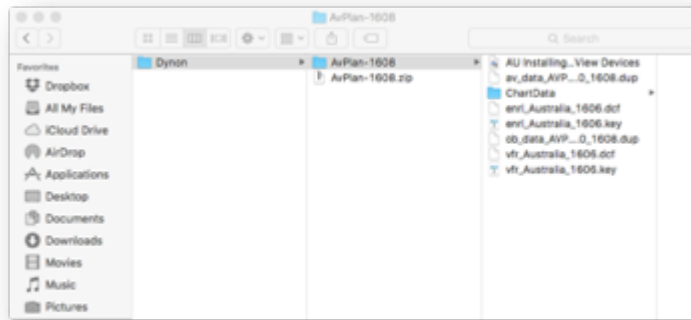
Completed Dynon USB drive

macOS

1. Download the specified ZIP file to the Mac and note where it is saved.
2. Open **Finder**, locate the ZIP file and double-click it to extract the package.



Downloaded Dynon ZIP package

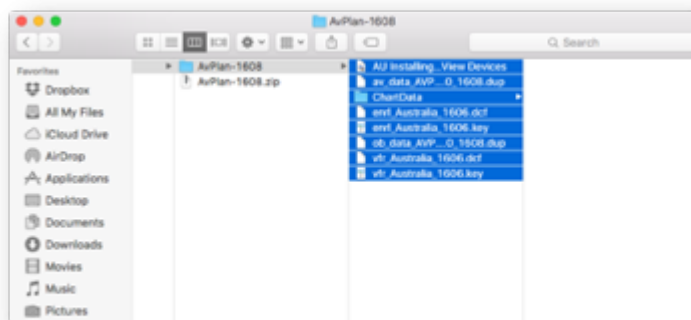


Extracted Dynon package

INFO

Copy every file and folder in the package, including any items not shown in these examples.

3. Open the extracted folder, select any item, then press **Command-A** to select all files and folders.

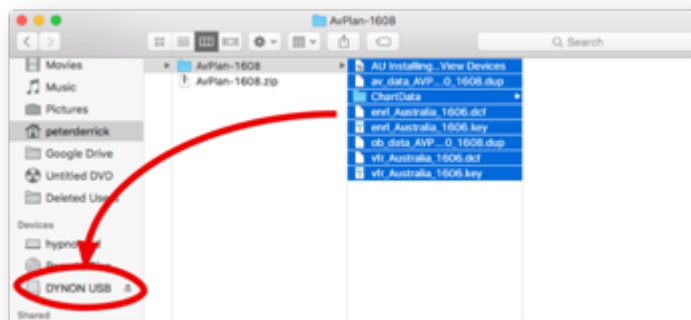


Selected Dynon package contents

WARNING

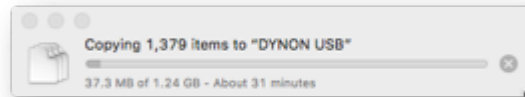
If macOS asks how to handle duplicate files, select **Replace** so the USB drive receives the current files.

4. Drag the selected items to the USB drive in the Finder sidebar.



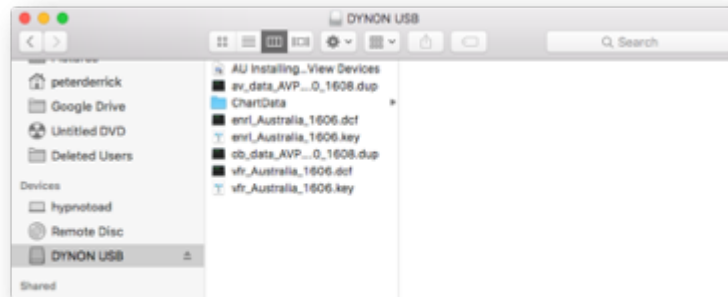
Copying the package to the USB drive

5. Wait for the copy to finish.



Dynon file copy progress

6. Open the USB drive and confirm that its root directory contains the copied files and folders.



Completed Dynon USB drive

7. Eject the USB drive in Finder.

3 Load AVDATA and obstacle databases

AVDATA and obstacle files are copied from the USB drive into SkyView's internal storage.

1. Power down SkyView.
2. Insert the prepared USB drive into an accessible SkyView USB port.
3. Power up SkyView and wait for the normal display to appear.
4. Press and hold the two right-most panel buttons until the setup menu appears.

Dynon SkyView



Buttons used to open the setup menu

5. Select **ENTER FULL SCREEN SETUP MENU** by pulling the dial to the right.

Dynon SkyView



Full-screen setup option

6. Select **SYSTEM SOFTWARE**, then select **LOAD FILES**.

Dynon SkyView



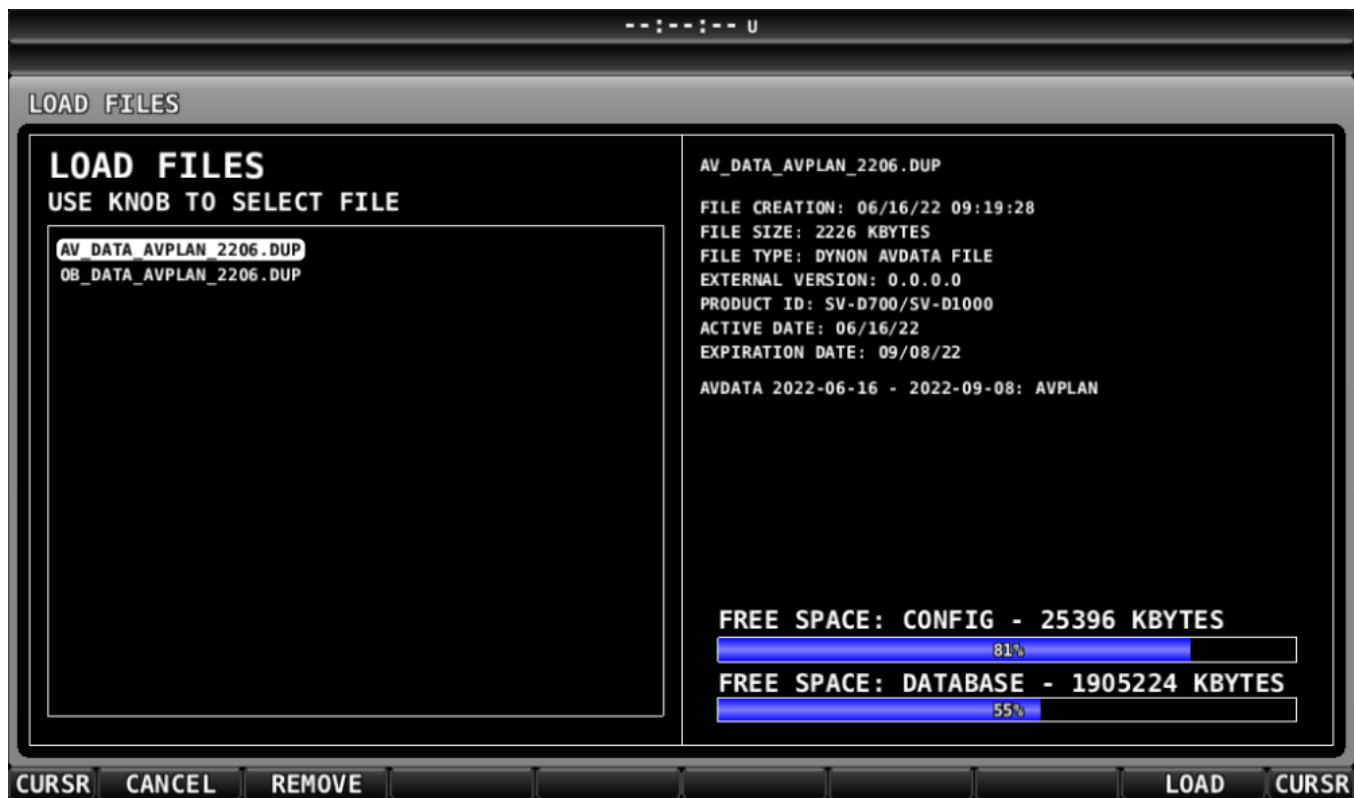
System Software menu

SkyView lists compatible data files found on the USB drive. The AIRAC cycle replaces [cycle] in these filename templates:

Data type	Filename template
AVDATA	av_data_AVPLAN_[cycle].dup
Obstacles	ob_data_AVPLAN_[cycle].dup

For example, cycle 2206 uses av_data_AVPLAN_2206.dup. SkyView displays filenames in uppercase.

Dynon SkyView



Files available to load

- Highlight one database file with either panel knob, then pull the knob to the right.

WARNING

Do not power down SkyView or remove the USB drive while a database is loading.

- Press **YES** to confirm the load. SkyView shows progress and returns to **LOAD FILES** when finished.

Dynon SkyView



Database load confirmation

9. Repeat steps 7 and 8 for the other database file.
10. Remove the USB drive when both loads are complete.

INFO

Existing AVDATA and obstacle data is replaced automatically. If networked SkyView displays are installed, the loading display synchronises the databases to the other displays.

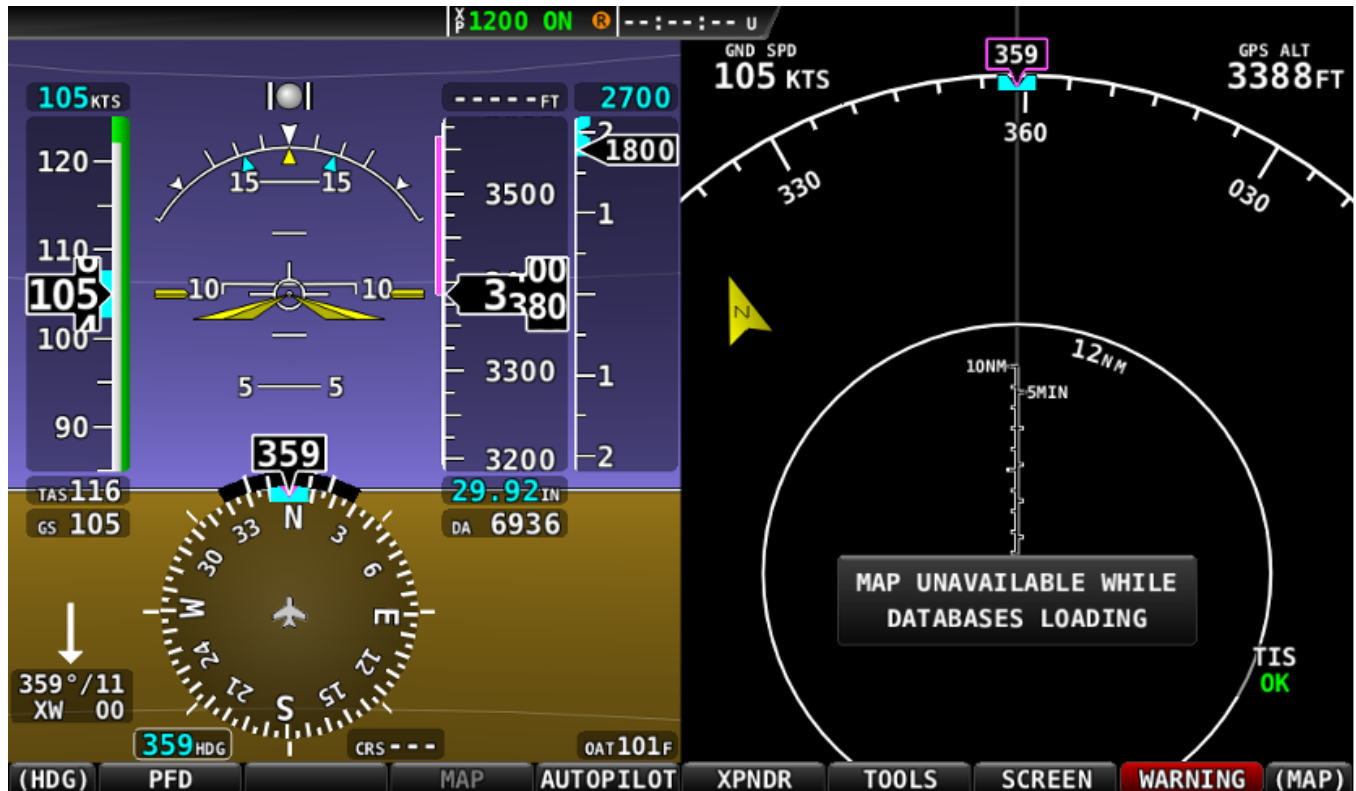
If maps and charts are held on a separate USB drive, restart SkyView with that drive inserted.

4 Load Dynon maps and charts

After checking the prepared USB drive, connect it to SkyView:

1. Power down SkyView.
2. Insert the USB drive into an accessible SkyView USB port.
3. Power up SkyView.
4. Wait while SkyView displays **MAP UNAVAILABLE WHILE DATABASES LOADING**.

Dynon SkyView



Map database loading message

The message disappears when the maps and charts are ready.

WARNING

Leave the USB drive connected while using the maps and charts. SkyView reads this material from the USB drive and does not copy it into internal storage.

4.1 Display AvSoft maps

Button positions can vary between SkyView models. Use the equivalent control on your display. The SkyView Classic examples use Australian FIR charts.

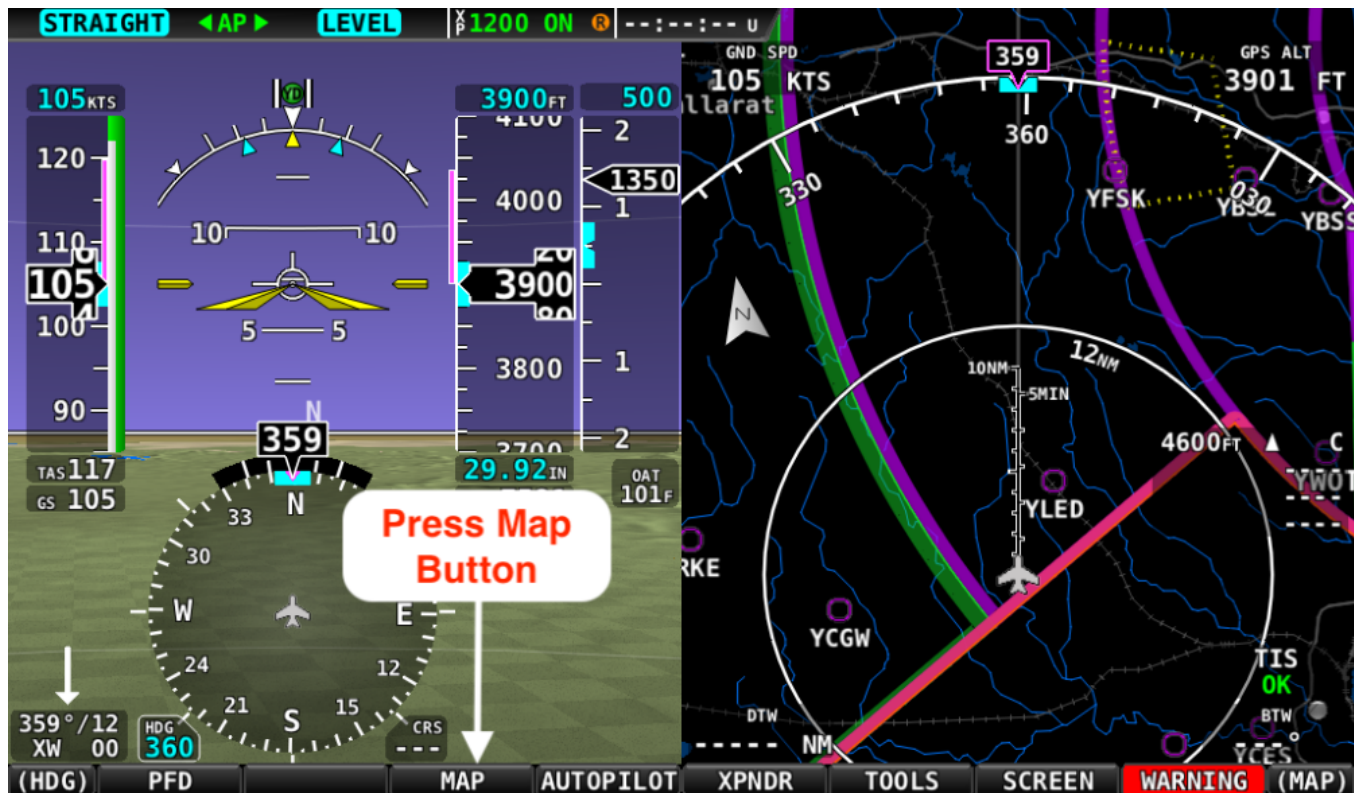
INFO

Map names can change between data releases, FIRs and map-generation software versions. If the usual map name is absent, review the available layers for the renamed map.

Display a map on SkyView Classic

1. From the main display, press **MAP**.

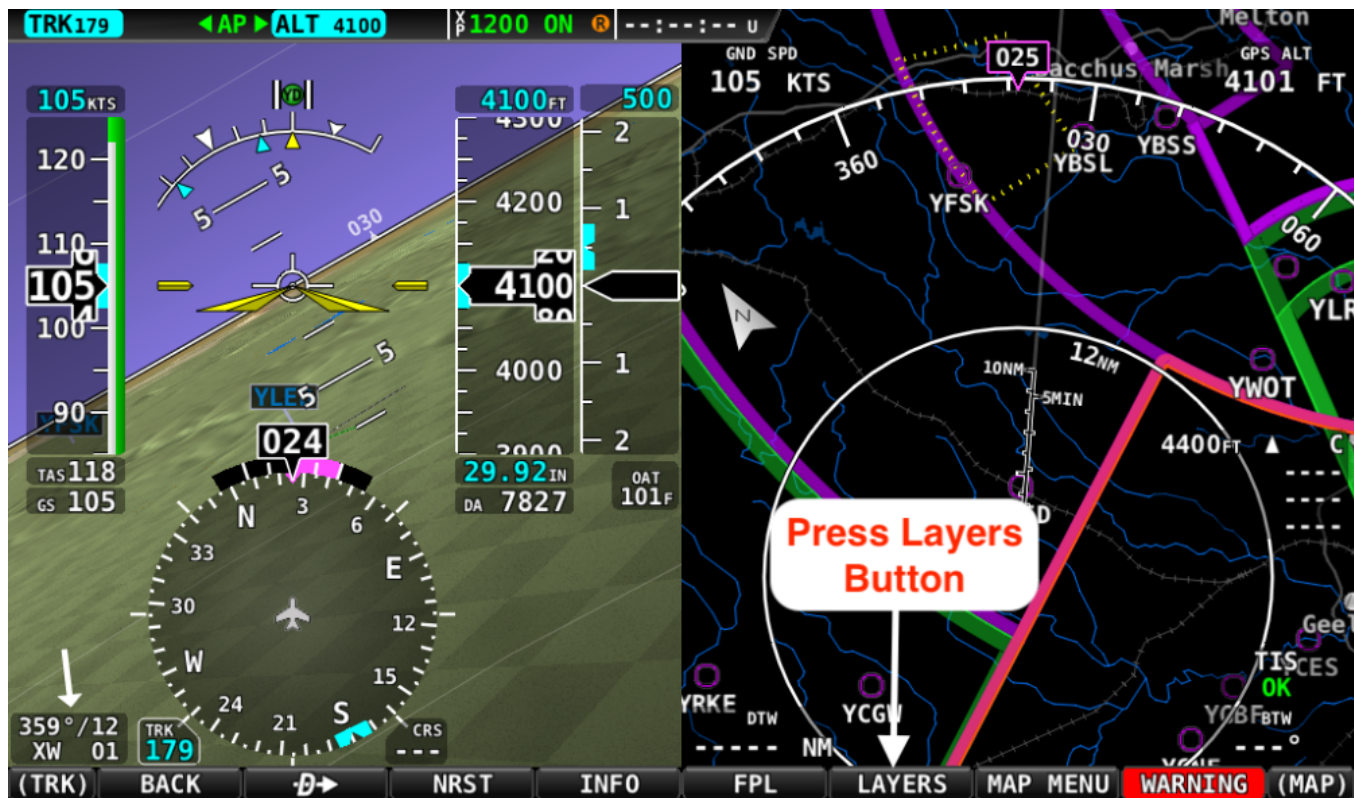
Dynon SkyView Classic



Main display map control

2. Press **LAYERS**.

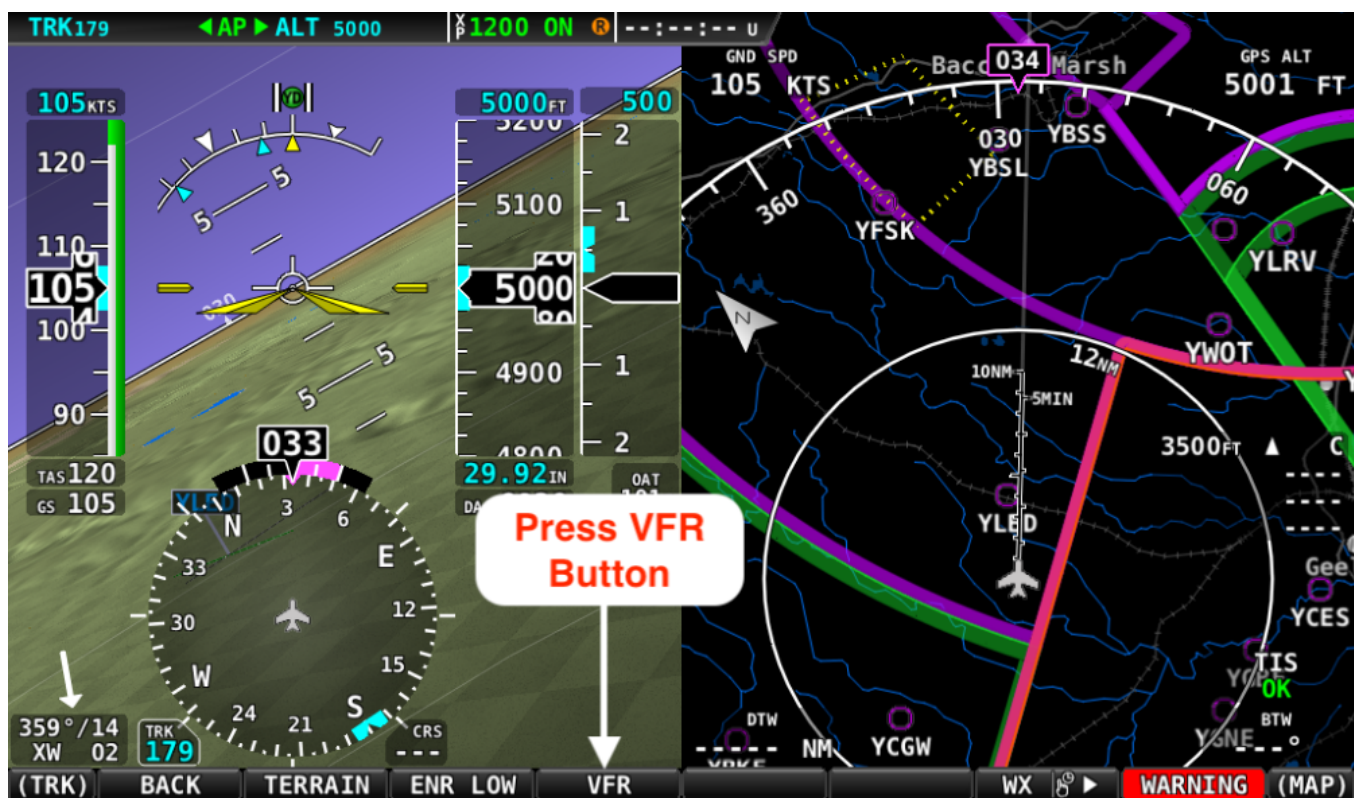
Dynon SkyView Classic



Map options

3. Press **VFR** to select the AvSoft VFR map.

Dynon SkyView Classic



Layer options

The map display updates with the selected VFR base map beneath the aircraft, airspace and other SkyView information.

Dynon SkyView Classic



AvSoft VFR map layer

Display a map on SkyView HDX

1. Tap **Menu**.
2. Under **Map Controls**, tap **Layers**.
3. Select the required AvSoft map layer.

Dynon SkyView HDX



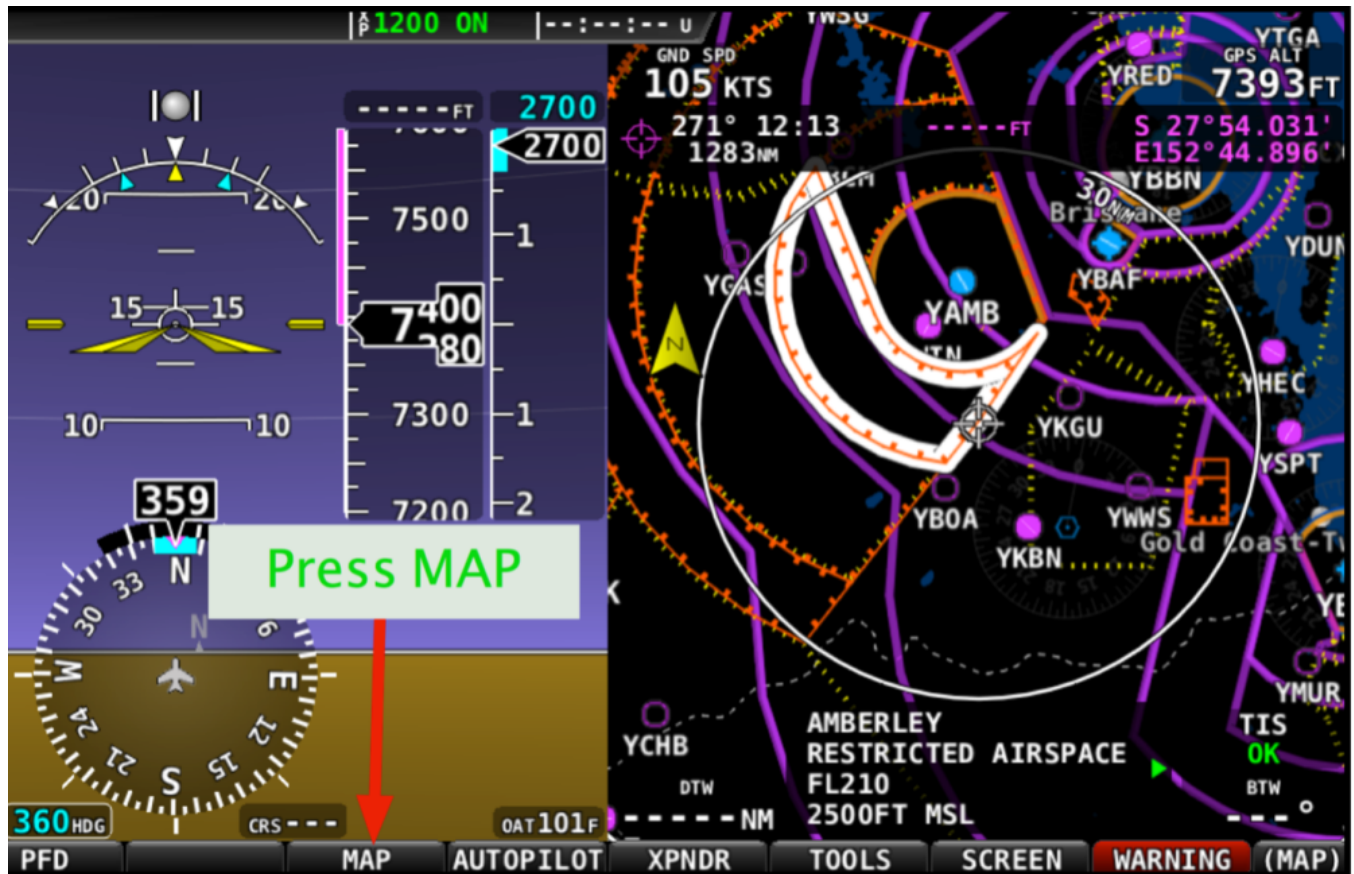
HDX map controls

4.2 Display aerodrome charts

To open an available chart or plate for the current aerodrome:

1. Press **MAP** to show the map options.

Dynon SkyView



Map options

2. Press **FPL**, followed by **INFO**, or press **INFO** directly from the map display.

Dynon SkyView



Navigation-point information controls

3. Use the joystick dial to move from **RECENT** to **CHARTS**.
4. Select the required chart from the list for the aerodrome.

Dynon SkyView



Available aerodrome charts

5. To replace the VFR map with the selected chart, press **VIEW**.

Dynon SkyView

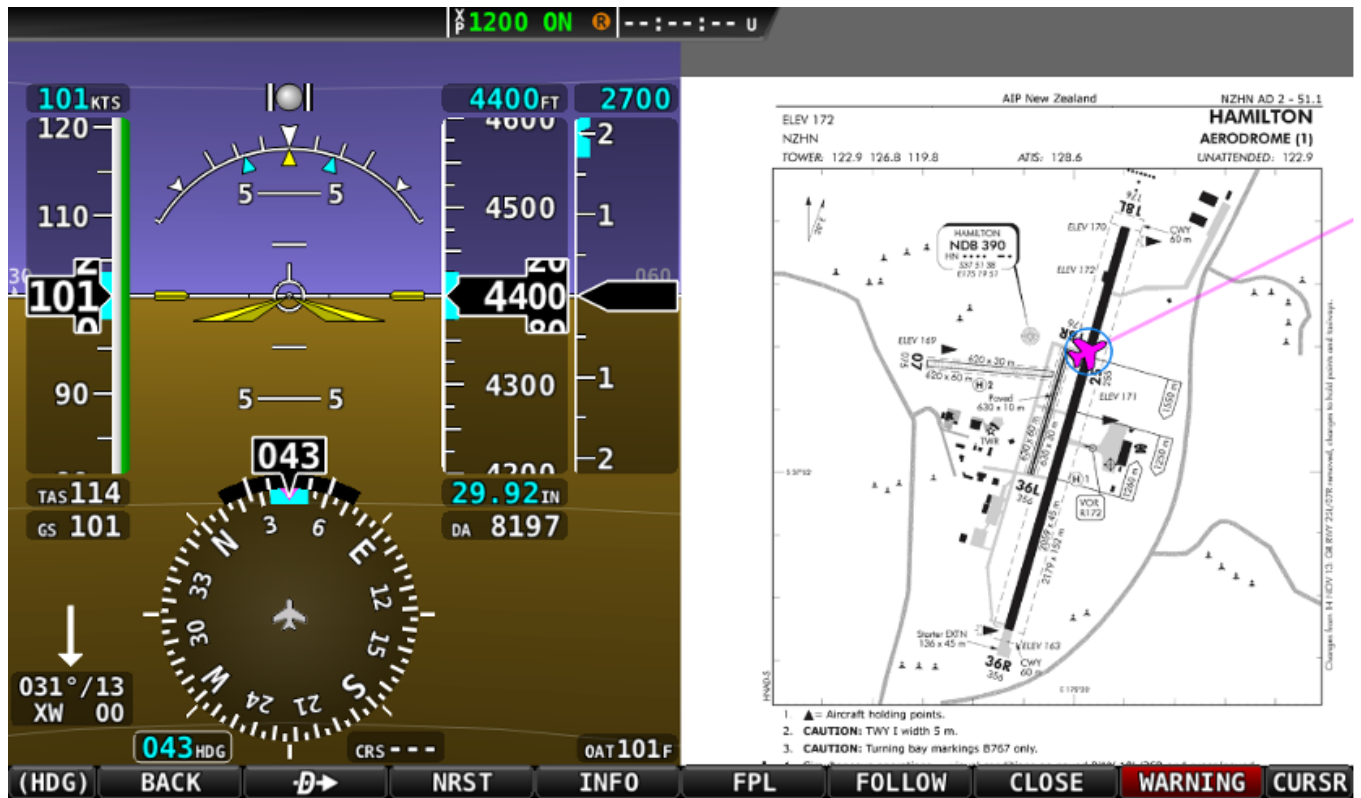


Chart displayed in the map pane

When SkyView has a current aircraft position at the displayed aerodrome, it shows the aircraft position on the chart.

5 Check loaded databases

You can check the installed data before or after an update:

1. Open SkyView setup mode.
2. Select **LOCAL DISPLAY SETUP**.
3. Select **INSTALLED DATABASES**.
4. Review the listed databases, maps and charts, including their storage locations and validity dates.

Dynon SkyView



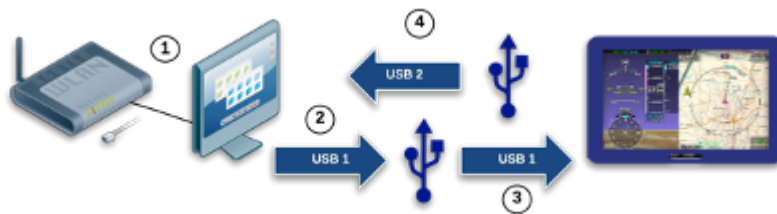
Installed databases

6 Rotate Dynon USB drives

Using two USB drives lets one remain installed in SkyView while the other becomes the backup for the next update:

1. Download the new Dynon package to the computer.
2. Copy the package to the empty first USB drive.
3. Replace the second USB drive installed in the primary SkyView display with the first drive.
4. When convenient, copy the current package to the removed second drive so it becomes the backup.
5. At the next data release, prepare the second drive and use it to replace the first drive in SkyView.
6. Continue alternating the drives for later updates.

Dynon SkyView



Two-drive update cycle

You can add more drives to the rotation if your operation requires another current backup.

7 Connect Dynon SkyView to AvPlan EFB

A compatible SkyView Wi-Fi connection lets AvPlan EFB use SkyView as a GPS or AHRS source. AvPlan EFB can also send the current flight plan to SkyView.

Work through the Wi-Fi topics in order to prepare the equipment, connect the Apple device and enable Dynon connectivity in AvPlan EFB.

7.1 Prepare SkyView Wi-Fi

Purchase and install the Dynon Avionics Wi-Fi adapter specified for your SkyView model. Follow the Dynon installation and configuration instructions, or consult a Dynon dealer, before trying to connect AvPlan EFB.

Dynon SkyView



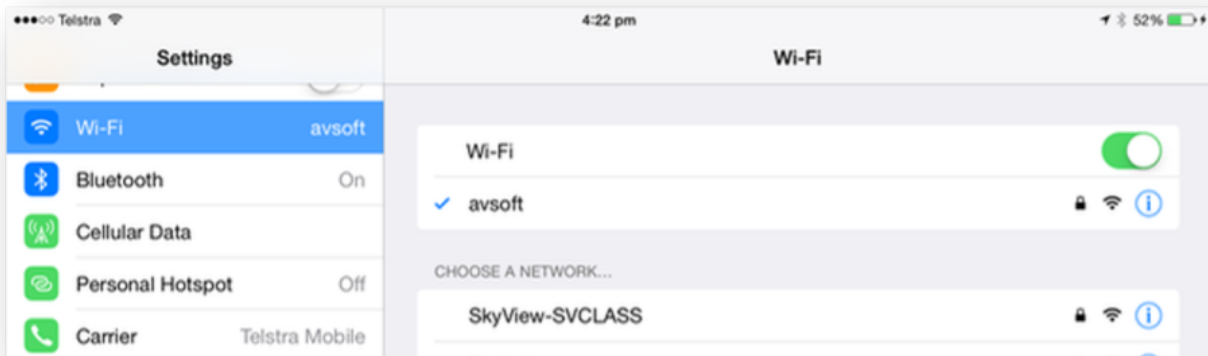
Dynon Wi-Fi adapter

7.2 Connect an Apple device to SkyView Wi-Fi



1. Power up SkyView and wait for start-up to finish.
2. On the iPad or iPhone, open **Settings**.
3. Select **Wi-Fi**.

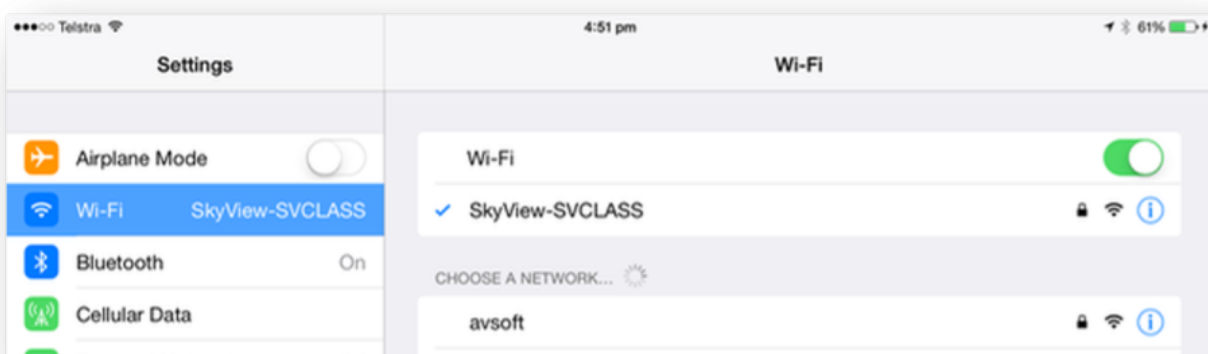
Apple



SkyView network in Wi-Fi settings

4. Under **CHOOSE A NETWORK**, select the configured SkyView network. Its name may resemble SkyView-XXXX.
5. Enter the password configured for the Dynon Wi-Fi adapter.

Apple



SkyView network password

The Apple device shows a tick beside the SkyView network when connected.

INFO

SkyView may take several seconds to appear in the network list. If it does not appear, turn Wi-Fi off and on, then confirm that SkyView has completed start-up.

7.3 Preserve internet access on SkyView Wi-Fi



By default, an iPad or iPhone may try to reach the internet through the SkyView network. Configure SkyView so the Apple device does not treat it as an internet endpoint:

1. On SkyView, open **SYSTEM SETUP**.
2. Select **WI-FI SETUP**.
3. Set **Wi-Fi ICON ON APPLE DEVICES** to **NO**.

Dynon SkyView

Apple-device Wi-Fi setting

INFO

If the Apple device still treats SkyView as its internet connection, restart the iPad or iPhone.

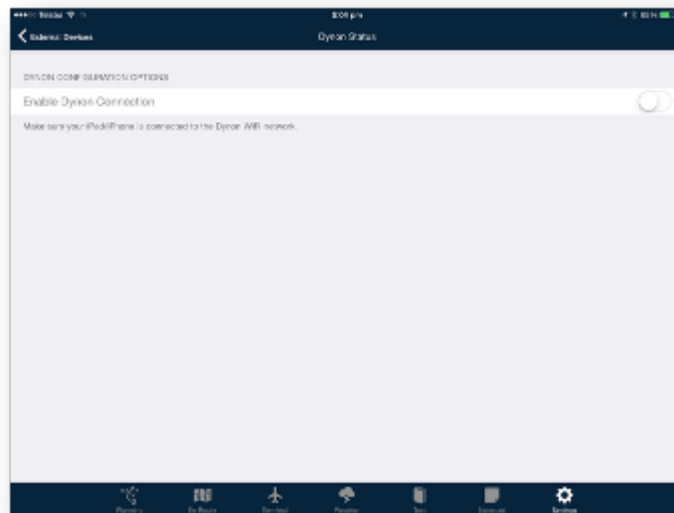
7.4 Enable Dynon connectivity in AvPlan EFB



After connecting the Apple device to SkyView Wi-Fi:

1. Open AvPlan EFB.
2. Open **Settings** > **External Devices** > **Dynon Status**.

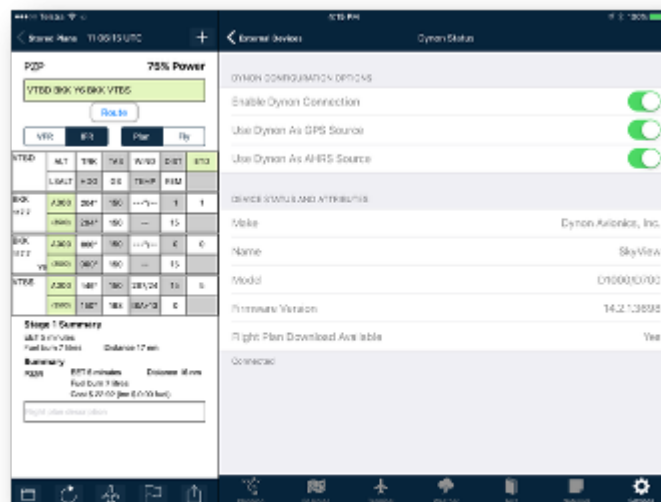
Apple



Dynon Status before activation

3. Turn on the Dynon connection switch.
4. Wait for AvPlan EFB to show information received from SkyView.

Apple



Active Dynon connection

INFO

If the status does not update, confirm that the Apple device is still connected to SkyView Wi-Fi and that SkyView remains powered on.

Allow local network access

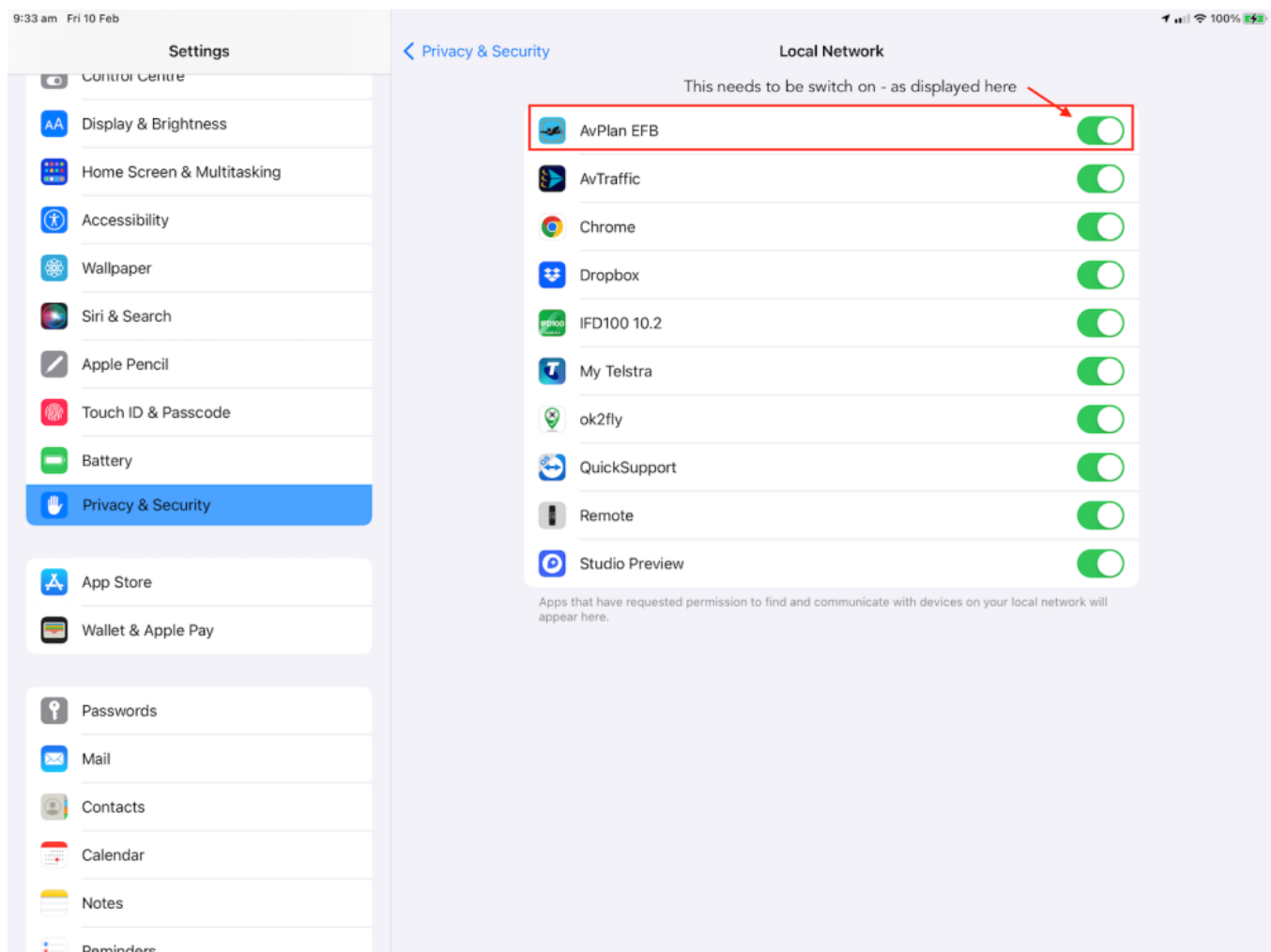


The first time AvPlan EFB uses the local Wi-Fi network, iOS or iPadOS asks whether the app may access devices on the local network. Select **Allow**.

If access was previously denied:

1. Open the Apple **Settings** app.
2. Select **Privacy & Security > Local Network**.
3. Turn on **AvPlan EFB**.

Apple



AvPlan EFB local-network access

WARNING

Without local-network access, Dynon status may appear available because SkyView broadcasts its presence, but AvPlan EFB cannot open the connection needed to send a flight plan.

7.5 Review Dynon connection options



The **Dynon Status** settings show these controls and capabilities:

- **Enable Dynon Connection** makes AvPlan EFB listen for compatible SkyView devices on the current Wi-Fi network.
- **Use Dynon As GPS Source** makes AvPlan EFB use SkyView position information instead of the Apple device's location services. A cellular iPad's internal GPS remains available as a backup when required.
- **Use Dynon As AHRS Source** makes AvPlan EFB use SkyView roll, pitch and yaw information for Synthetic Vision.
- **Flight Plan Download Available** shows whether the connected SkyView can receive flight plans from AvPlan EFB. This item reports capability and cannot be changed in AvPlan EFB.

The page also shows the connected SkyView model and firmware information.

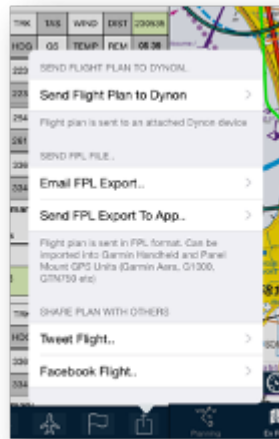
7.6 Send a flight plan to Dynon SkyView



When **Flight Plan Download Available** shows **YES** in **Dynon Status**:

1. Open the flight plan in AvPlan EFB.
2. Select **Share** in the flight plan button bar.
3. Select **Send Flight Plan to Dynon**. Scroll through the share options if it is not initially visible.

Apple



Dynon flight-plan share option

For a single-stage plan, AvPlan EFB sends the complete plan. For a multi-stage plan, select the stage to send.

SkyView displays a message in the map pane when it receives the flight plan.

7.7 Troubleshoot Dynon SkyView



Work through the checks for the observed problem. If a step does not restore the connection, continue with the actions in order.

Dynon information is absent from the status page



Check that:

- The Apple device is connected to SkyView Wi-Fi.
- SkyView is powered on and has completed start-up.
- The correct Wi-Fi adapter is installed and configured.
- The Dynon connection is enabled in **Settings > External Devices > Dynon Status**.

Then turn the Dynon connection off and on in AvPlan EFB. If the status remains unavailable, restart SkyView, followed by AvPlan EFB.

GPS information is unavailable



Complete the connection checks above, then confirm that:

- **Use Dynon As GPS Source** is on.
- The SkyView GPS is installed and operational.

Turn **Use Dynon As GPS Source** off and on. If necessary, restart SkyView, followed by AvPlan EFB.

The Dynon share option is absent



Complete the connection checks above, then scroll through the entire share menu. If **Send Flight Plan to Dynon** remains absent, turn the Dynon connection off and on, then restart SkyView and AvPlan EFB if required.

A flight plan cannot be sent



Complete the connection checks above. Turn the Dynon connection off and on, then restart SkyView and AvPlan EFB if required.

SkyView reports a flight-plan error



For **Send Failed**, **Configuration Failed** or **Error** messages:

1. On SkyView, open **MAPS > MAP MENU > FLIGHT PLAN OPTIONS**.
2. Confirm that **ALLOW INCOMING FLIGHT PLANS OVER WI-FI** is enabled.
3. Turn the Dynon connection off and on in AvPlan EFB.
4. Restart SkyView if the error continues.

Synthetic Vision does not respond to attitude changes



Complete the connection checks above, then confirm that:

- **Use Dynon As AHRS Source** is on.
- The SkyView AHRS source is installed and operational.

Turn **Use Dynon As AHRS Source** off and on. If necessary, restart SkyView, followed by AvPlan EFB.

SkyView starts with an unexpected map



1. Confirm that the chart USB drive is installed. Insert it and restart SkyView if required.
2. If the drive is installed, the map name may have changed. Follow [Display AvSoft maps](#) to select the required layer.

Older SkyView models may not support a default-map setting.

SkyView remains on the start-up screen



If the aircraft uses a SanDisk USB 3.1 drive and SkyView software earlier than version 16, follow the [USB guidance](#) in [Prepare for a Dynon update](#).

SkyView does not recognise the USB drive



Confirm that the USB drive is no larger than 32 GB and is formatted as FAT32. See [Prepare for a Dynon update](#).

If the problem continues, email [AvPlan EFB support](#) or call **03 8370 3024** during Australian east-coast business hours.