



**Aviator for X-Plane**

**User's Manual**

Version 1.0.0.20 – Revised Jan-2020



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## Disclaimer

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Aviator is developed using available interfaces and protocols provided and supported by X-Plane creators, Laminar Research (LR). We are not, and we cannot be responsible of the functioning of the interfaces provided by LR.

All the interfaces provided by LR for developers are subject to change from one version to another without advance notification or updated documentation. Currently working X-Plane interfaces from LR may be removed and discontinued on LR discretion.

We will do our best to keep Aviator up to date and all the product features correctly working, always depending on the technical decisions that LR can take.

And the same applies for other freeware contributions like OpenStreetMap and other web-based components used in Aviator.

We are also providing information and advice about other third-party plugins and applications very convenient to use with Aviator, without any responsibility or support on them.

Based on the nature of this add-on product for X-Plane, Aviator is provided "As Is" and "As Available".

We reserve the right to add, change, modify and remove Aviator's functionality and features as well as this manual at our sole discretion and without any notice.

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## Acknowledgments

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I want to thank to the beta testing team for such a great job, for volunteering and stepping in for Aviator Project. By last name alphabetical order:

John Blanch, Alex Celis, Eugene Morgan Jr and switch686.

Thank you so much to Folke Will (Folko) as well, Developer of AviTab and MoveVR, for testing Aviator in VR with his MoveVR plugin.

Thank you so much to Angelique van Campen from X-Plained.Com and Fort1 user for such a great effort and dedication testing Aviator's Mac version.

Thanks to user X-Plane bsevandro for his great job helping with Linux version, and for posting his videos on Twitch.

*[Only the names of those team members who authorized to be printed in this manual are displayed]*



## Using Aviator



**MENU:** Additional features and options menu. Top-left button.

**INSTRUMENTS:** Main instruments, autopilot and compact panel.

**PRO SWITCHES:** Plane flight switches and other actuators. *Customization only in PRO version.*

**RADIO:** Radio panels.

**PRO FUEL:** Full fuel panel. *Available only in PRO version.*

**PRO ROUTE:** Route and flight plan panel. *Available only in PRO version.*

**PRO VIEW:** Custom plane views panel. *Available only in PRO version.*

**PRO FULL MAP:** Full moving map. *Available only in PRO version.*

**PRO WEATHER:** Interactive weather settings. *Additional features in PRO version.*

**PRO PFX2020:** Integration with PFX2020 Plugin. *Available only in PRO version.*

**PRO MUSIC:** Inflight radio channels and mp3 player. *Available only in PRO version.*



## Autopilot

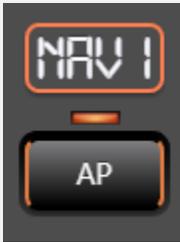
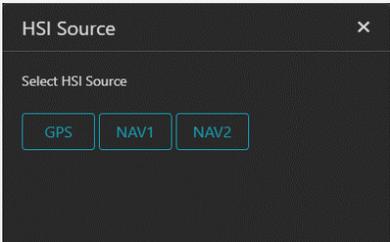
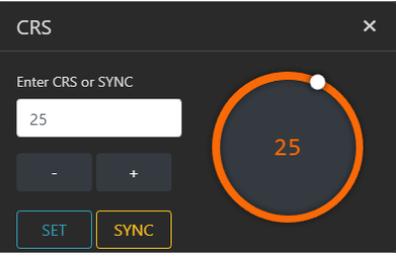
Autopilot is located on the top of the Instruments panel with the following available functions:



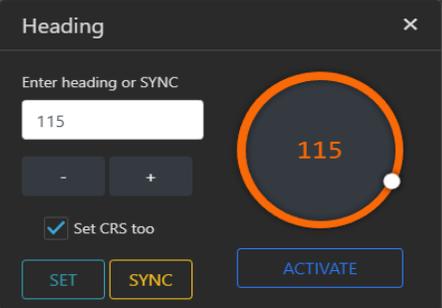
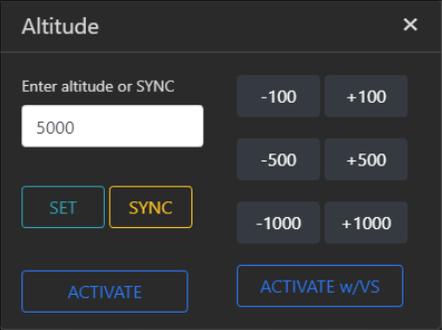
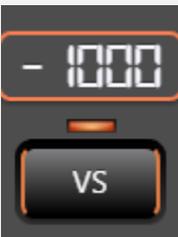
Use **mouse wheel** over the indicators to increase / decrease selected value



Some AP settings and auto activations features are available in PRO version only.

FUNCTION	DESCRIPTION	POP-UP OPTIONS	
	<p>HSI Source in display            Mouse wheel changes value            Click on display for options            Autopilot status led</p> <p>AP: Autopilot ON/OFF</p>		<p>Select desired HIS source by clicking on specific button.</p>
	<p>CRS heading in display            Mouse wheel changes value            Click on display for options            Flight Director status led</p> <p>FD: Flight Director ON/OFF</p>		<p>Select or enter desired CRS heading.            Use buttons, mouse or touch over the radial selector.</p> <p>Function SET or SYNC</p>
	<p>LOC/GS indicator in display</p> <p>NAV status led</p> <p>NAV: NAV ON/OFF</p>		



FUNCTION	DESCRIPTION	POP-UP OPTIONS	
	<p>REV: Back course ON/OFF</p> <p>APPR: Approx. ON/OFF</p>		
	<p>Heading value in display Mouse wheel changes value Click on display for options Heading hold status led</p> <p>HDG: Heading hold ON/OFF</p>		<p>Select or enter desired heading. Use buttons, mouse or touch over the radial selector.</p> <p>Function SET, SYNC or ACTIVATE with option to set CRS too.</p>
	<p>Altitude value in display Mouse wheel changes value Click on display for options Altitude hold status led</p> <p>ALT: Altitude hold ON/OFF</p>		<p>Select or enter desired altitude.</p> <p>Use buttons to change altitude value.</p> <p>Function SET, SYNC, ACTIVATE or ACTIVATE with VS.</p>
	<p>Vertical speed in display Mouse wheel changes value Click on display for options Vertical speed status led</p> <p>ALT: Vertical speed ON/OFF</p>		<p>Select or enter desired vertical speed</p> <p>Use buttons to change vertical speed value.</p> <p>Function SET, SYNC or ACTIVATE.</p>



FUNCTION	DESCRIPTION	POP-UP OPTIONS	
 A button with a digital display showing '75' and a mouse cursor pointing at it. Below the display is a small orange LED indicator and the text 'FLC/IAS'.	Air speed value in display Mouse wheel changes value Click on display for options IAS status led  FLC/IAS: IAS ON/OFF	 A dark-themed pop-up menu titled 'FLC / IAS' with a close button. It contains a text input field with '75', a 'Enter FLC / IAS or SYNC' label, and several buttons: '-10', '+10', '-', '+', '-100', '+100', 'SET', 'SYNC', and 'ACTIVATE'.	Select or enter desired air speed  Use buttons to change air speed value.  Function SET, SYNC or ACTIVATE.
 Two buttons stacked vertically. The top one is labeled 'ATHR' and the bottom one is labeled 'YD'. Both have orange LED indicators below them.	ATHR: auto-throttle ON/OFF Yaw damp status led  YD: yaw damp ON/OFF		

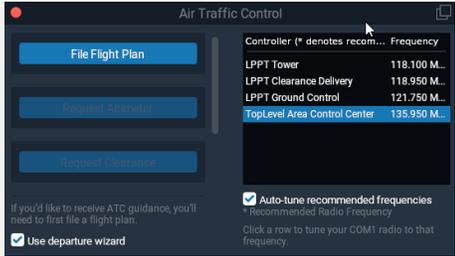
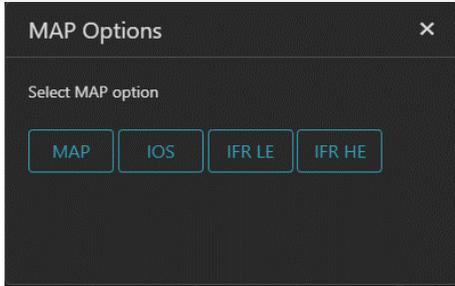


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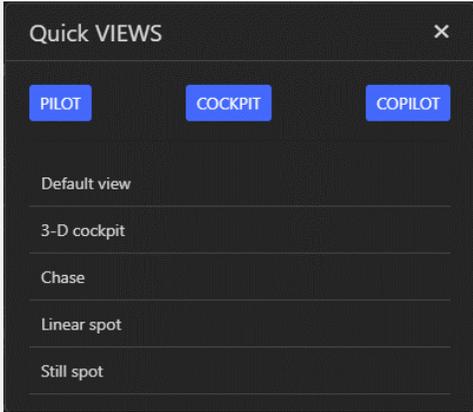
## Simulator control

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On the left side of the autopilot controls, user will have some other button controls to manage useful X-Plane simulator options.

FUNCTION	DESCRIPTION	POP-UP OPTIONS	
	Contact ATC		Toggles native X-Plane ATC window in simulator screen.
	Simulator MAP options		Select the type of map you want to show in the simulator screen.
	Toggles simulator PAUSE		
	Toggles Chrono timer		

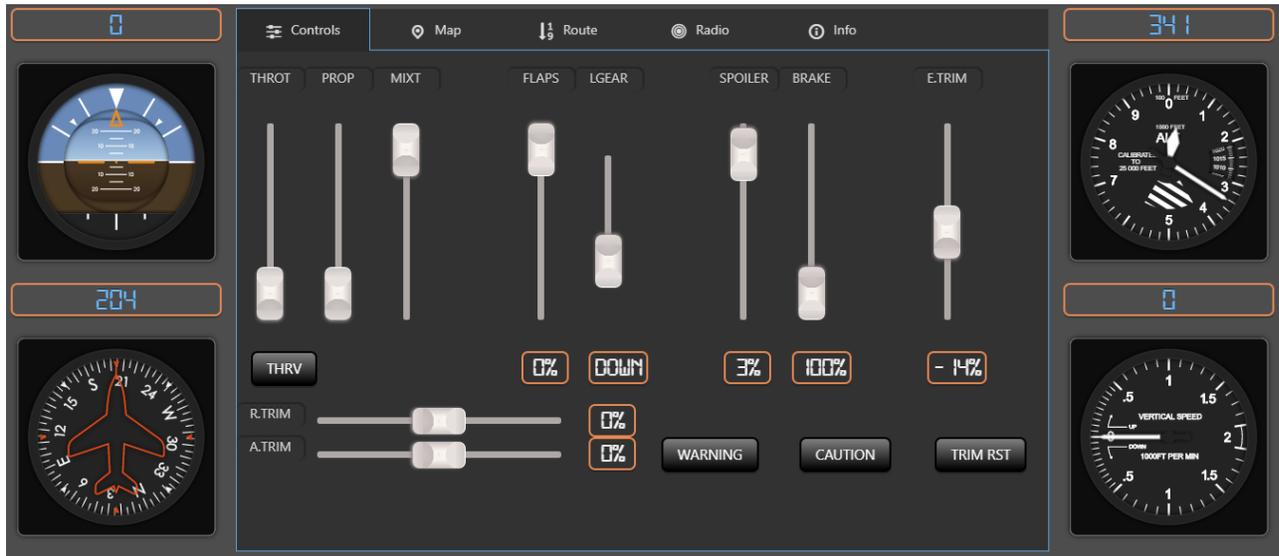


FUNCTION	DESCRIPTION	POP-UP OPTIONS
	Simulator View options	 <p>Select different types of camera view</p>
	Other simulator options	 <p>Pause simulator Change speed Toggle FPF info Toggle Weight screen Request ground handling service Pushback request and functions FPS Statistics</p>

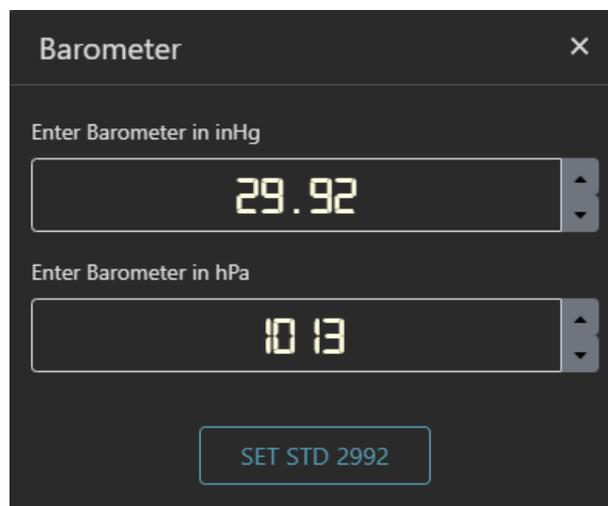


## Gauge Instruments

On the top left of the screen, and on the sides of the flight instruments, four gauged instruments are shown: artificial horizon, heading, altimeter and vertical speed indicators. Over each instrument, current value indicator.



**New:** By clicking over the altitude instrument or indicator the barometer editor will pop-up. Barometer units can be entered in inHg and hPa.



By clicking on the SET STD button value is set to STD 29.92 automatically.



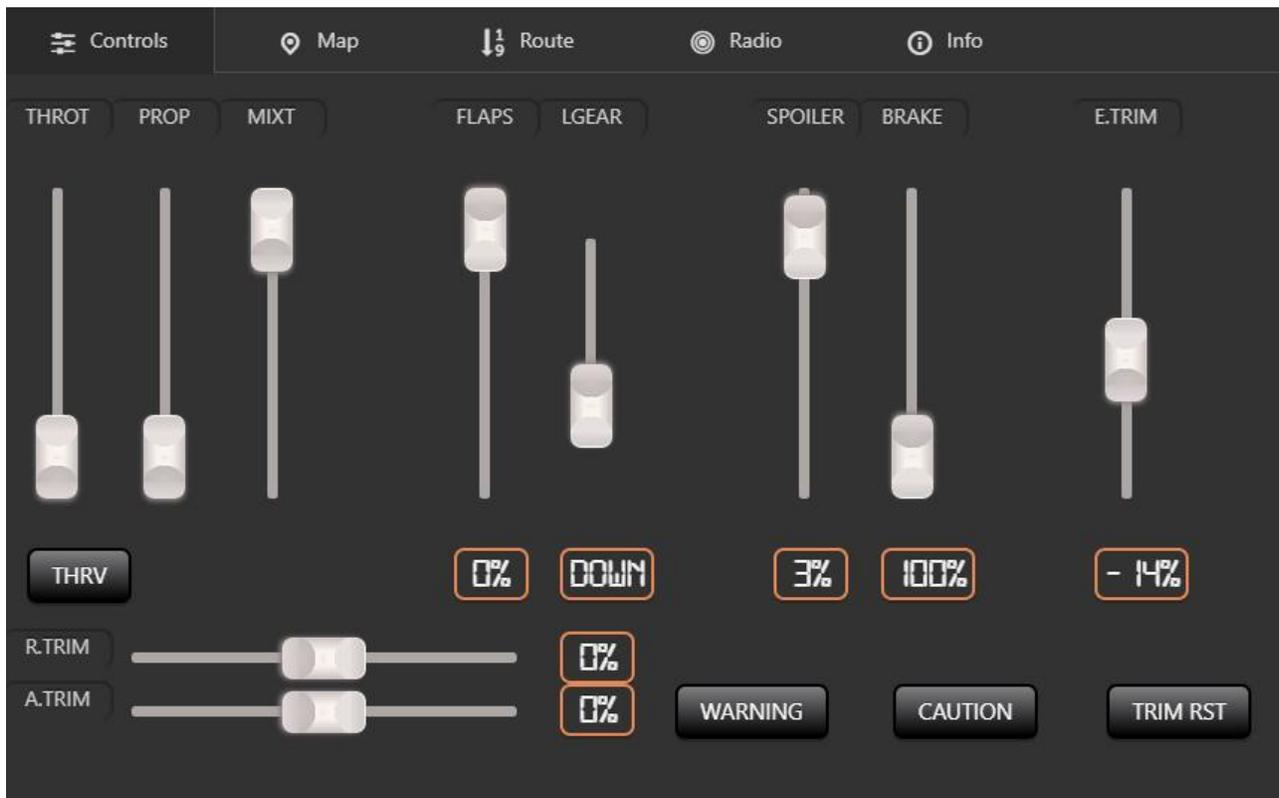
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## Flight Controls

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There are some sliders in this panel to control the flight:

From left to right and up to down the available controls are: throttle, prop, mixture, flaps, landing gear, spoiler develop, brakes, elevator trim, thrust reverse activation, indicators for all previous controls, rudder trim and indicator, aileron trim and indicator, warning, caution and trim reset.



By clicking in E. TRIM, R. TRIM or A. TRIM labels, values are reset to 0, as well as clicking in TRIM RST button.



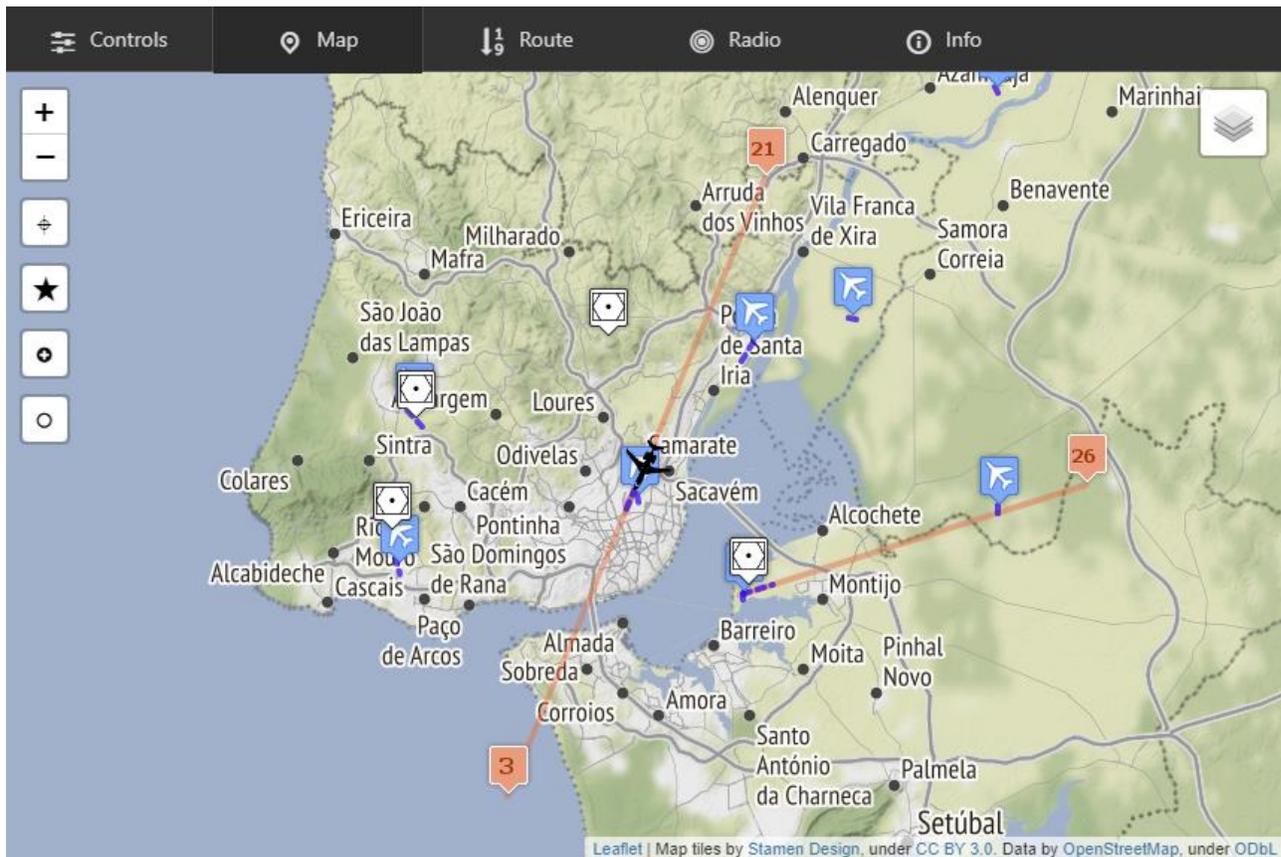
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## Mini Map - Compact panel

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Compact version of the Map panel to operate from the instruments panel.

Refer to full map panel section in this manual.





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## Route – Compact panel

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Compact version of the Route panel to operate from the instruments panel.

Refer to full Route panel section in this manual.

The screenshot shows the 'Route' tab selected in a top navigation bar with 'Controls', 'Map', 'Radio', and 'Info'. Below the navigation bar, there are six route segments: #1-LEVC, #2-CLS, #3-MANDY, #4-NIBEN, #5-FI06, and #6-LECH. Below these segments, flight parameters are displayed: Alt: 238, Hdg: 81, Leg: 0, and Dist: 404.61. A row of buttons includes SET ALT, SET ALT+VS, SET HDG, SET CRS, SYNC CRS, MAP, and GO HERE. Below this is a table with tabs for Frequencies, Runways, ILS, and WEATHER. The 'Frequencies' tab is active, showing a table with columns for Name, Frequency, and Action. The table lists four frequencies: APP at 120.100, APP at 124.750, ATIS at 121.075, and GND at 121.875. Each frequency row has four buttons: COM1, COM2, STB1, and STB2. A page indicator at the bottom right shows '1' of '2'.

Name ↑	Frequency	Action
APP	120.100	COM1 COM2 STB1 STB2
APP	124.750	COM1 COM2 STB1 STB2
ATIS	121.075	COM1 COM2 STB1 STB2
GND	121.875	COM1 COM2 STB1 STB2



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## Radio – Compact panel

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Compact version of the Radio panel to operate from the instruments panel.

Refer to full Radio panel section in this manual.



**New:** Ident switch added to the ATC device.



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## Flight Information – Compact panel

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Flight information panel shows information about the flight. Distances on the left side base on each navigation system and total distance traveled. Times on the right side. Chrono can be activated with the CHR button described above and time on air is automatically calculate when the plane is not on ground.

The screenshot shows the Aviator Flight Information Compact panel. At the top, there is a navigation bar with five tabs: Controls, Map, Route, Radio, and Info. The main content area is divided into two columns: Distances and Times. The Distances column contains four rows: Dist. GPS (0.00), Dist. NAV1 (0.24), Dist. NAV2 (0.24), and Dist. Traveled (0.00). The Times column contains four rows: Flight Time (00:44:44), Time on air (00:00:00), Chrono/Timer (00:00:00), and UTC Time (16:30:21). All values are displayed in orange digital font.

Distances		Times	
Dist. GPS	0.00	Flight Time	00:44:44
Dist. NAV1	0.24	Time on air	00:00:00
Dist. NAV2	0.24	Chrono/Timer	00:00:00
Dist. Traveled	0.00	UTC Time	16:30:21



## Flight Switches

Aviator standard switch panel is based on standard switches for X-Plane, Cessna and other standard planes will work totally or partially with this switching system.

**WARNING:** Lights and engine switches are what changes most from one plane to another, there is no standard and almost every aircraft has totally different configuration. **Don't expect this panel to be 100% compatible with all of your planes. We will keep improving it as much as we can.**

**PRO** Switches customization available only in PRO version. Read carefully **"Aviator - Custom Switch Panel.pdf"** provided in Aviator's folder and also available for download.

From left to right and up to down: generator, main battery, aux battery, avionics light, beacon light, landing light, taxi light, nav light, strobe light, fuel pump, pilot heat, cockpit light, seat belt and no smoking.

Magneto on/off and starter button.

Four dimmers: avionics bright, panel bright, pedestal bright, standby indicators bright.





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## Radio Panel

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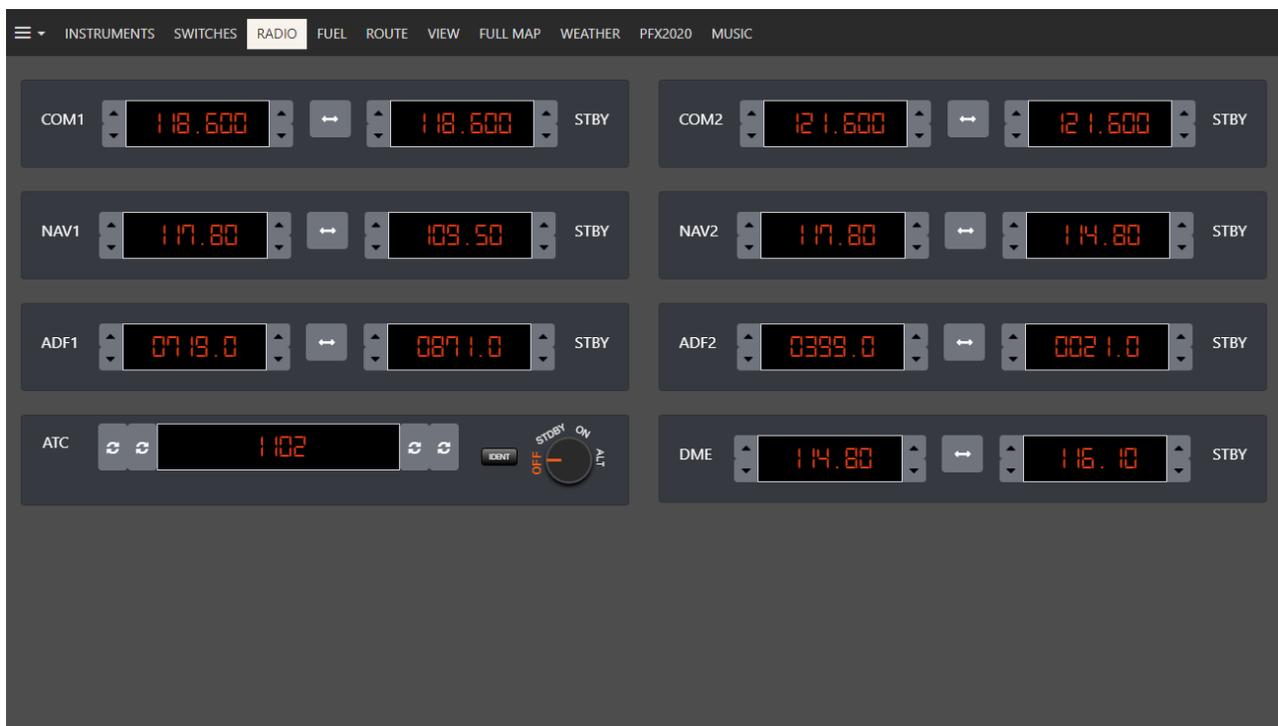
The radio panel contains seven individual radio devices plus the transponder device.

Each radio device has used/active frequency on the left side and stand by on the right side.

Stand by flip button in the middle.

Use the four buttons under the transponder display to set each transponder digit sequentially.

To set the transponder mode use the knob.



**New:** Ident switch added to the ATC device.



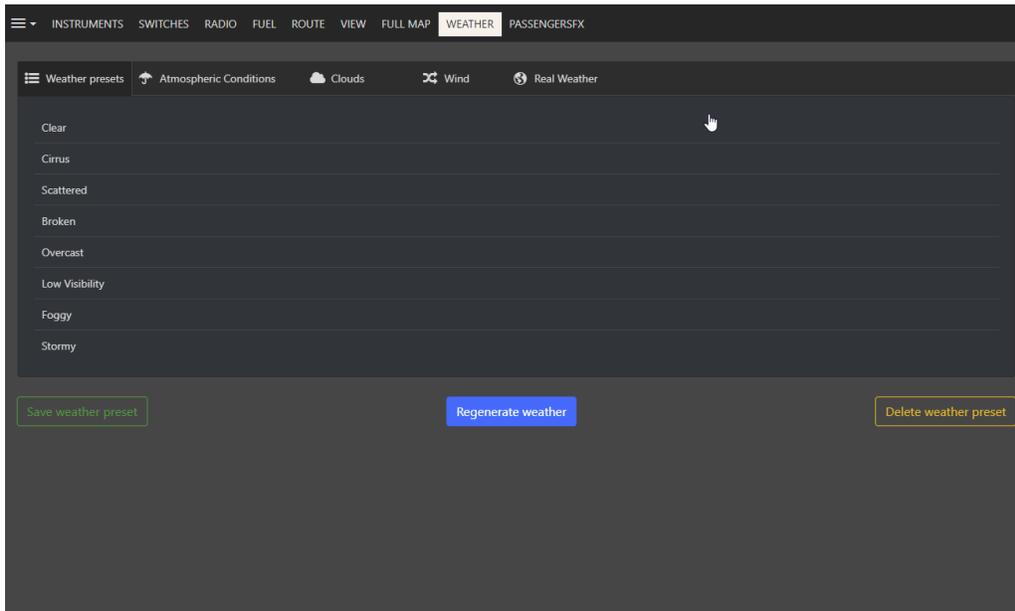
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## Weather Panel

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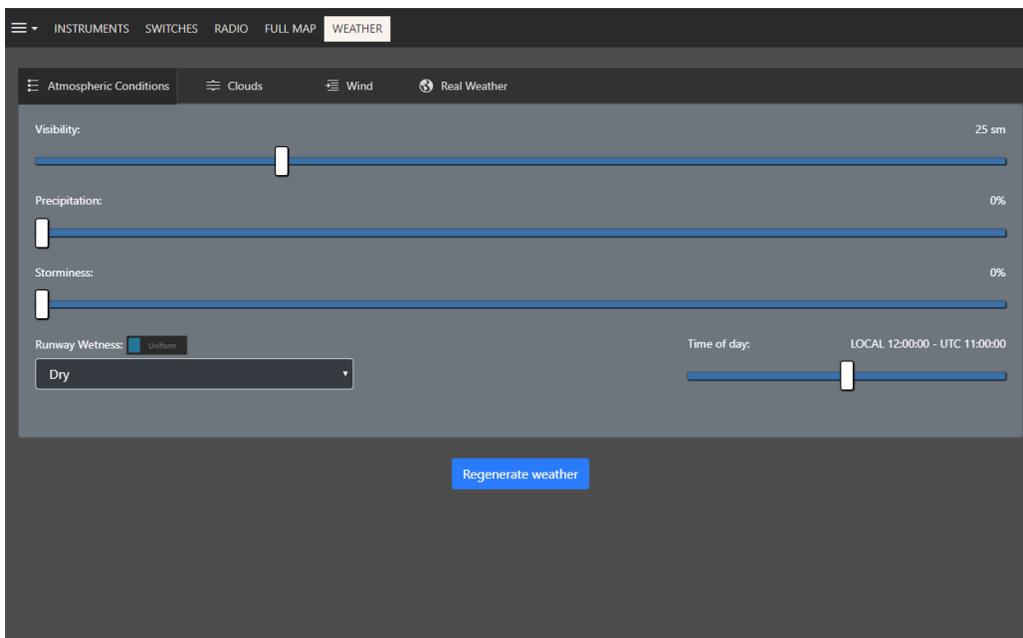
Use the weather panel to change weather options interactively without pausing the sim or the flight, click regenerate weather button after any change.

Store your favorite weather presets and use them on the fly:



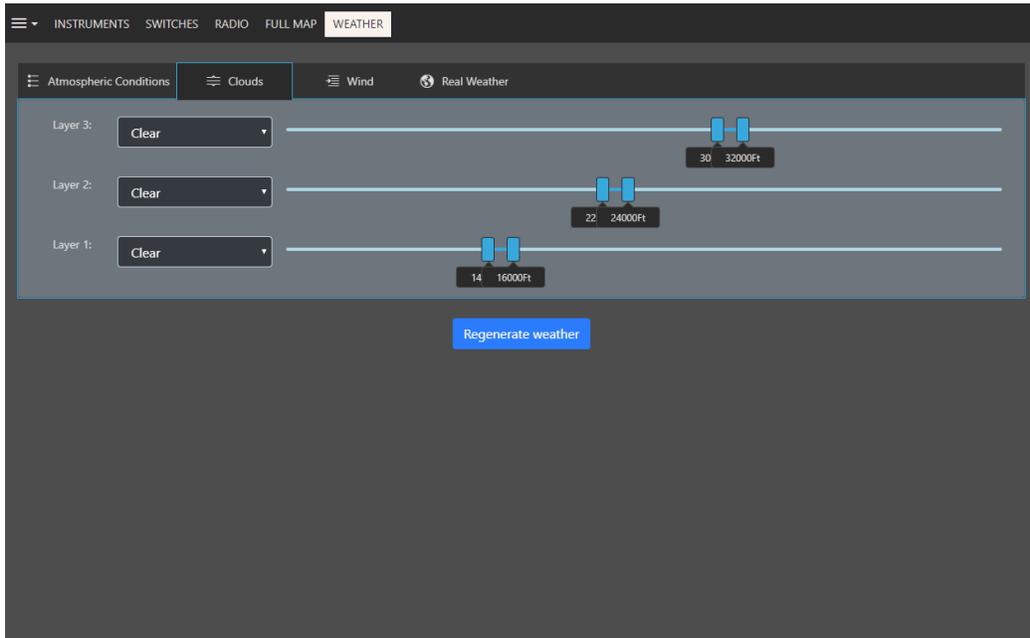
**PRO** Weather presets tab is only available in PRO version

Manage your atmospheric conditions:

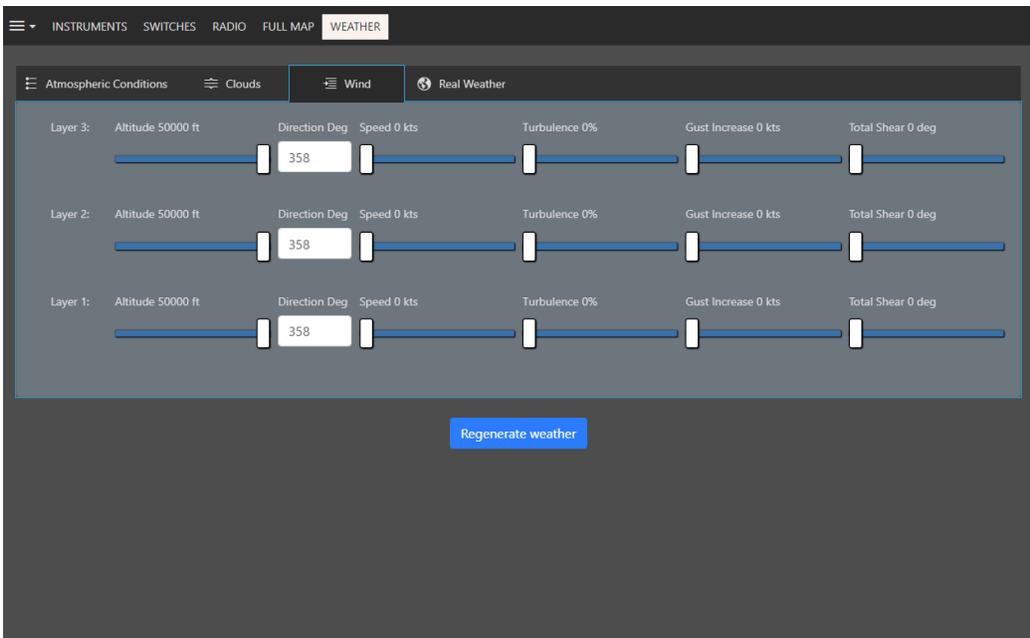




The three standard X-Plane cloud layers are available in Clouds tab:

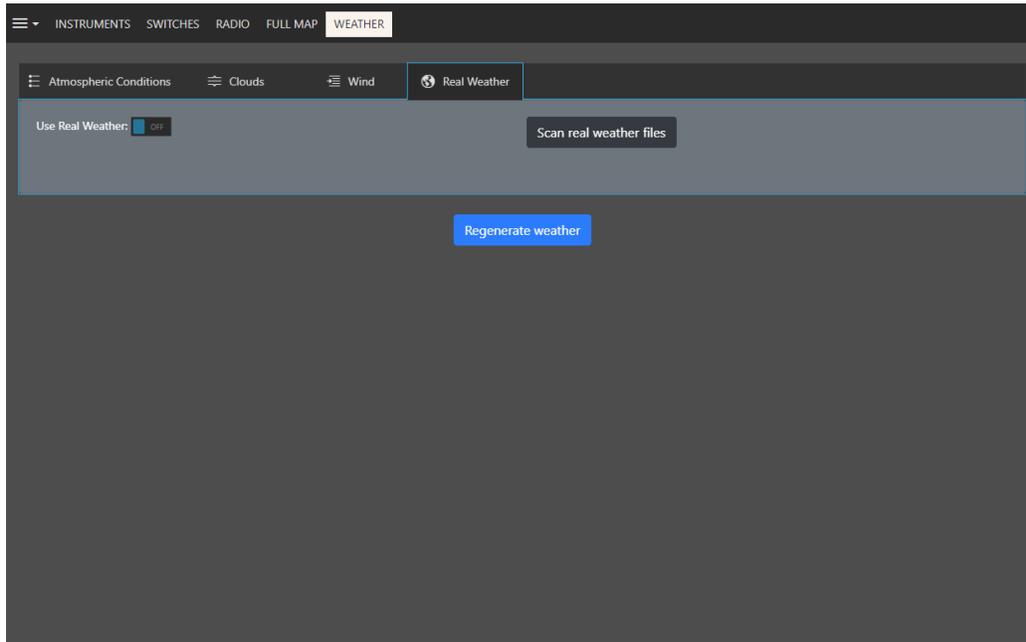


Also, three standard X-Plane wind layers are available in Wind tab:





Real weather tab just sets standard real weather capabilities built in X-Plane:





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## PRO VERSION FEATURES

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All Aviator's PRO version features are marked by the PRO symbol in this manual

### **List of features currently available in PRO version only:**

- **Full Map:** Full moving map and airport, runways, ILS, VOR features and auto-tuning.
- **Switches customization:** read carefully "*Aviator - Custom Switch Panel.pdf*" provided in Aviator's folder and also available for download
- **Start new flight:** screen to start new fly using favorite plane list and favorite positions.
- **Aircraft:** list of all available aircraft in X-Plane aircraft folder with search and load functions.
- **Positions:** Store favorite positions to start new flights where you want.
- **Airports:** Airport database, search and filter, map location and full airport information.
- **Route manager:** manage your flight plan database and routes.
- **Route tab:** control your route, watch distances and set your altitude, heading and more.
- **Map route:** Follow your route and waypoint with interactive pop-ups in the map tab.
- **View manager:** define your own views for each plane and set your field of view.
- **View tab:** set your predefined views and X-Plane ones interactively during the flight.
- **Full fuel tab panel:** full featured fuel panel tab.
- **Weather presets:** store your favorite weather presets and activate them on the fly.
- Automatic autopilot functions and frequencies auto-tuning from Map and other screens.
- **Music:** Listen inflight internet radio stations and you mp3 files.
- **PassengersFX:** Integration with PassengersFX plugin.

**All PRO version features will be documented in the following pages**

VERY IMPORTANT, before purchasing Aviator's PRO version don't forget to:

- Read carefully Aviator User's Manual focusing on PRO features.
- Read carefully Terms and Conditions explained in a separated document.
- Install and test freeware version of Aviator to be sure that your planes are fully compatible with Aviator's features and to check that Aviator meets your expectations.
- Pay special attention to customization, you may need skills in specific X-Plane settings and configurations in order to be able to customize your switches and actuators.
- Don't hesitate to contact us in the forum so we clarify your doubts.

Because we deliver digital goods via Internet download, we generally offer no refunds, but we are providing full product information as well as freeware version for evaluation.

Read very carefully document "***Aviator PRO Terms and Conditions.pdf***" included in your Aviator's software folder and follow instructions. This document is also available for download.

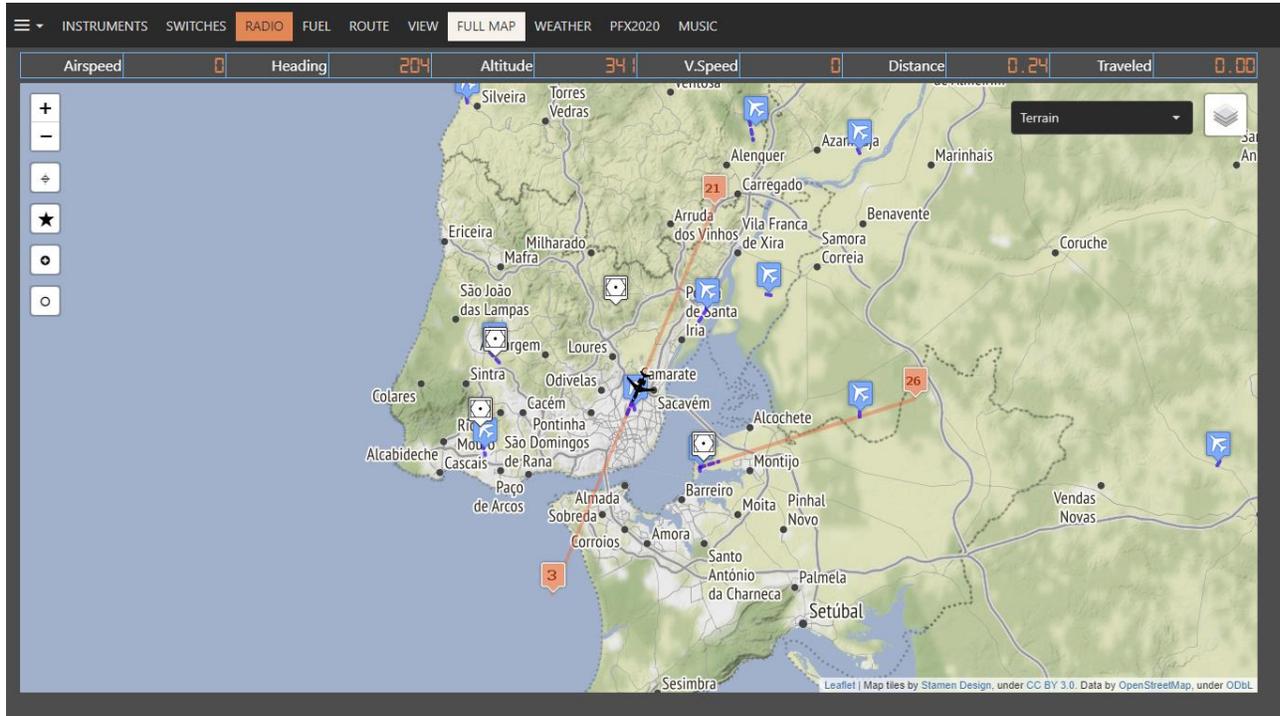


## Full Map

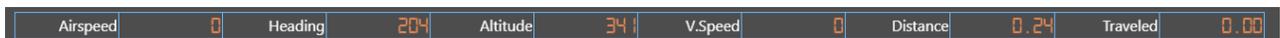


**IMPORTANT:** This feature available in PRO version only. Mini-map still available in Free version.

Full moving map and airport, runways, ILS, VOR features in Aviator:



Flight information bar:



Aviator display basic flight information on a bar located on the top of the map.

### **Map source selector**

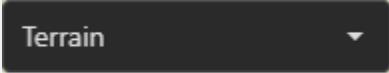
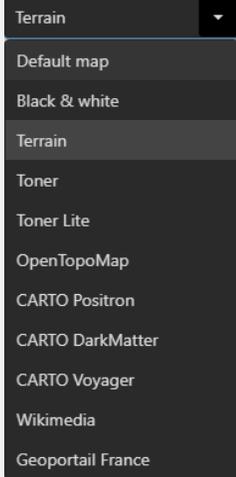
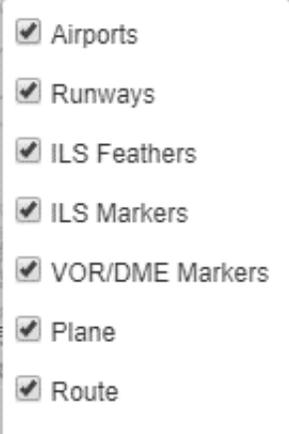


Users can select different map sources in Aviator. Copyrights and attributions will be shown on the bottom-right side of the map according to each map provider license documentation.

**Important:** Aviator is using free map source services under Creative Commons Attribution or similar licenses. WE ARE NOT RESPONSIBLE of the map servers provided in Aviator "As Is" and "As Available". Out of our responsibility, Map server providers can interrupt, suspend or terminate their services.



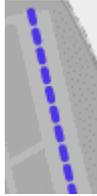
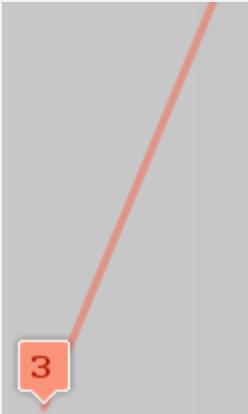
### Map functions

FUNCTION	DESCRIPTION	POP-UP OPTIONS
	<p>Map type selector</p> <p><b>PRO</b> <i>This feature is available in PRO version only.</i></p>	 <p>Select the type of the map you want to use.</p>
	<p>Show or hide map layers</p>	 <p>Select the layer of elements you want to show or hide when using the map.</p>
	<p>Zooms map in and out</p>	



FUNCTION	DESCRIPTION	POP-UP OPTIONS	
	Follow the plane		Switch to "follow plane" mode if it was cancelled by any user action
	Save this position   <i>This feature is available in PRO version only.</i>		Stores current position of the plane as a favorite position.  Aviator can start favorite positions to start new flight later in that specific location.
	Select start position   <i>This feature is available in PRO version only.</i>		Selects a position where you want to start a new flight in, immediately after Go is pressed.



FUNCTION	DESCRIPTION	POP-UP OPTIONS	
	<p>Airport marker</p>		<p>Shows basic airport information</p> <p>Sets airport altitude in autopilot</p> <p>Goes to default runway in this airport</p>
	<p>Runway marker</p>		<p>Shows basic airport information</p> <p>Sets airport altitude in autopilot</p>
	<p>ILS marker and course</p>		<p>Show ILS information</p> <p>Sets ILS frequencies</p> <p>Sets heading for this ILS course</p> <p>Sets airport altitude in autopilot</p>



MAP autopilot settings and autotuning features available in PRO version only.



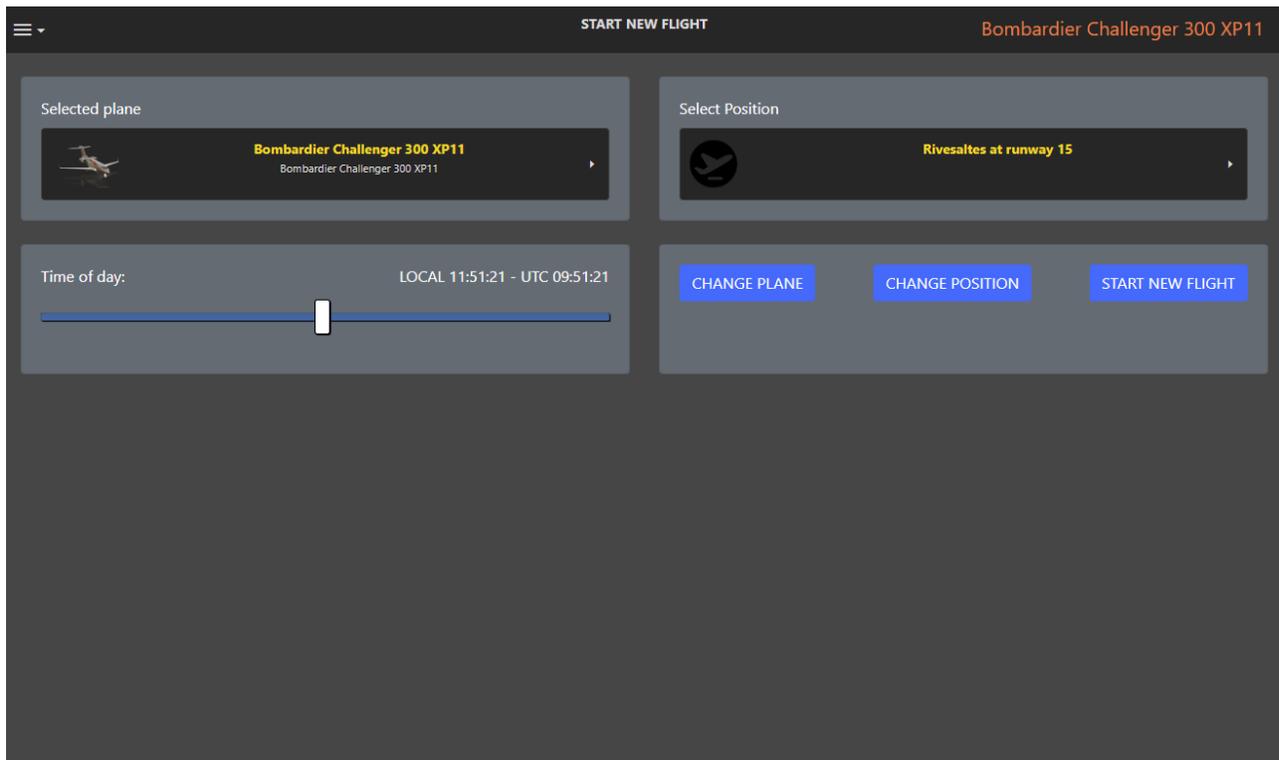
## START NEW FLIGHT



**IMPORTANT:** This feature available in PRO version only.

This screen allows Aviator's users to start a new flight in a similar way to the standard X-Plane Flight Configuration, with some slightly different features and improvements:

- Plane selector will show only planes marked as favorite in the Aircraft screen.
- Position selector shows only favorite positions created by the Map screen option.





## AIRCRAFT



**IMPORTANT:** This feature available in PRO version only.

This screen shows the list of Aviator's compatible aircraft detected in X-Plane Aircraft folder. First column is to mark your favorite planes. Only favorite planes will be shown in the "START NEW FLIGHT".

Selected plane can be loaded into X-Plane in current ground position, never inflight.

Favorite	Aircraft	Ver.	Icao	Tailnum	Action
(All)	Q	Q	Q	Q	
Class:					
<input type="checkbox"/>	 <b>C-130</b> MC130P Combat Shadow,	1100	c130	683635	LOAD
Class: Airliner					
<input type="checkbox"/>	 <b>Boeing 737-800X</b> Boeing 737-800X Laminar Research modified by Zibo and Twkster	1100	B738	ZB738	LOAD
<input type="checkbox"/>	 <b>Boeing 737-800X (4k)</b> Boeing 737-800X Laminar Research modified by Zibo and Twkster	1100	B738	ZB738	LOAD
<input checked="" type="checkbox"/>	 <b>S340B</b> S340B Carenado	1100	SF34		LOAD
<input checked="" type="checkbox"/>	 <b>Bombardier Challenger 300 XP11</b> Bombardier Challenger 300 XP11	1100	CL30	N929BR	LOAD



## POSITIONS



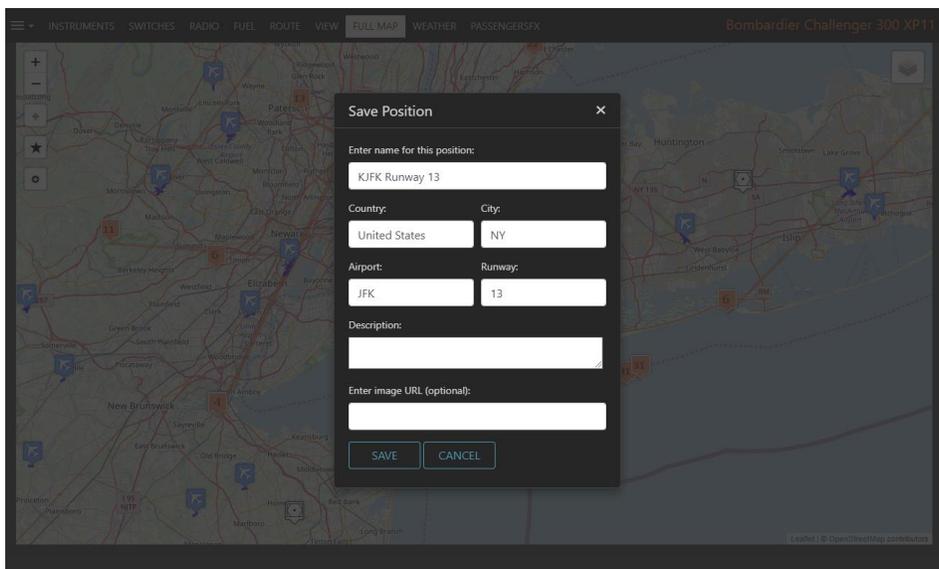
**IMPORTANT:** This feature available in PRO version only.

This screen shows list of favorite created positions. Positions can be created using the Map start  button. Inflight altitude positions can be stored too and start new flights up there later.

Altitude, heading and speed are stored for specific inflight positions.

Users can create positions on runways or airport ramps. Just use X-Plane location menu to position the plane then store this position in Aviator using the start button on the Map.

User can edit position data or delete stored positions.



POSITION LIST							
Name	Descrip	Country	City	Airport	Runway	Image Url	
Rivesaltes at runway 15		France	Rivesaltes	LFMP	15	img\position.png	<a href="#">Delete</a>
KJFK Runway 13		United States	NY	JFK	13	img\position.png	<a href="#">Delete</a>
LEMD (Madrid Barajas)		SPAIN	Madrid	Madrid Bar...		img\position.png	<a href="#">Delete</a>
EGLC (London City)		UK	London	London City		img\position.png	<a href="#">Delete</a>
LFPG (Paris - Charles De Ga...)		France	Paris	Charles De ...		img\position.png	<a href="#">Delete</a>



# AIRPORTS



**IMPORTANT:** This feature available in PRO version only.

This screen shows the airport list found in X-Plane configuration. The airport grid allows to find and filter airport by several fields, see them on the Map along to all the airport information available for selected airport.

User can change current location to selected airport or auto-tune Radio and ILS frequencies.

**AIRPORT LIST** Bombardier Challenger 300 XP11

Q Airports list → Airport

Drag a column header here to group by that column

Icao	Name	Country	Iata	Elevation	Transition Alt
22FD	Miami	United States		10	
GA99	Miami Valley Fa...	United States		468	
K81	MIAMI CO			940	18000
3E0	MIAMI ROBERT...			2720	18000
KMIO	Miami Regional	United States		808	18000
KTMB	Kendall Tamiam...	United States	TMB	7	18000
KMIA	Miami Intl	United States	MIA	3	18000
KOXD	MIAMI UNIVER...	United States	OXD	1040	18000

[GO TO THIS AIRPORT](#)

**AIRPORT LIST** Bombardier Challenger 300 XP11

Q Airports list → Airport

Icao:  Name:

Elevation:  Country:

Transition Alt:  Iata:

Frequencies		Runways	ILS	WEATHER
Name ↑	Frequency	Action		
APP	120.500	<input type="button" value="COM1"/> <input type="button" value="COM2"/> <input type="button" value="STB1"/> <input type="button" value="STB2"/>		
APP	124.850	<input type="button" value="COM1"/> <input type="button" value="COM2"/> <input type="button" value="STB1"/> <input type="button" value="STB2"/>		
APP	125.750	<input type="button" value="COM1"/> <input type="button" value="COM2"/> <input type="button" value="STB1"/> <input type="button" value="STB2"/>		
ATIS-A	119.150	<input type="button" value="COM1"/> <input type="button" value="COM2"/> <input type="button" value="STB1"/> <input type="button" value="STB2"/>		

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## ROUTE MANAGER



IMPORTANT: This feature available in PRO version only.

This screen shows list of available flight plans in FMS format located in X-Plane \Output\FMS plans folder. Additional comments can be added to a flight plan.

Users can use the list to Start or Activate a route based on selected flight plan. Start option will move to departure airport at specified location. Activate will load the route without changing current location.

After a route is started or activated the Map will show the flight plan route and waypoints with pop-up options available in each waypoint. A new ROUTE tab with route-related features will be shown in Aviator's main dashboard.

The screenshot shows the 'ROUTE MANAGER' interface for a 'Bombardier Challenger 300 XP11'. It features a table with the following columns: FMS File, Departure, Destination, Description, Position, and Action. Each row represents a flight plan with corresponding airport codes and actions like 'Start', 'Activate', 'Edit', and 'Delete'. A search bar is present above the table, and a pagination control shows '1' of 2 items.

FMS File	Departure	Destination	Description	Position	Action
KMIA_TNCM_Miami_Prince...	KMIA	TNCM		(All)	Start Activate Edit Delete
LEMD-LEJR_Madrid_Jerez.fms	LEMD	LEJR			Start Activate Edit Delete
LEMG_GMTT_Malaga_Tange...	LEMG	GMTT			Start Activate Edit Delete
LESA_LEG_T_Salamanca_Geta...	LESA	LEGT			Start Activate Edit Delete
LESA_LFBZ_Salamanca_Biarr...	LESA	LFBZ			Start Activate Edit Delete
LEVC-LERT_Valencia_Cadiz.f...	LEVC	LERT			Start Activate Edit Delete
LEVC-LSGG_Valencia_Genev...	LEVC	LSGG			Start Activate Edit Delete
LEVC_LEAB_Valencia_Albase...	LEVC	LEAB			Start Activate Edit Delete
LEVC_LECH_Valencia_Castell...	LEVC	LECH			Start Activate Edit Delete
LEVC_LECH_Valencia_Castell...	LEVC	LECH			Start Activate Edit Delete



## ROUTE TAB



**IMPORTANT:** This feature available in PRO version only.

This tab is a part of the main Aviator's dashboard shown only when a route is activated.

Users can see all the waypoint information for the selected route along with lot of additional automated features depending on the active waypoint, some examples are: Full Airport information, frequencies auto-tuning, setting altitude, heading, CRS and much more. Interactive route information also available in the map.

**WAYPOINTS**

#	Type	Identifler	Via	Altitude...	Hdg	Leg mn	Distanc...
1	Airport	LFMP	ADEP	143	156	.00	.86
2	FIX	CIB3Y	DRCT	3,194	148	9.25	10.09
3	FIX	ALBER	DRCT	7,030	184	11.62	18.20
4	FIX	ECHO3	DRCT	12,071	216	15.28	27.41
5	FIX	IBRAP	DRCT	15,000	237	19.63	42.63
6	FIX	OKABI	DRCT	15,000	263	29.69	61.39
7	FIX	MOPAS	DRCT	15,000	257	22.65	83.01
8	FIX	BARBO	DRCT	15,000	259	5.89	88.50
9	FIX	PERDU	DRCT	15,000	270	37.32	119.53
10	FIX	SOVAR	DRCT	15,000	272	17.77	136.92
11	FIX	ECHO2	DRCT	15,000	275	21.48	157.12
12	FIX	LURAN	DRCT	15,000	276	12.73	169.54
13	FIX	PIPOR	DRCT	15,000	276	6.07	175.32
14	FIX	BEGUY	DRCT	11,453	277	15.33	190.52
15	FIX	DITOP	DRCT	6,835	276	14.00	204.10

**WAYPOINT INFO**

Icao: LFMP      Name: Rivesaltes  
Elevation: 143      Country: France  
Transition Alt: 5000      Iata: PGF

Frequencies	Runways	ILS	WEATHER
Name ↑	Frequency	Action	
LFMP ATIS	127.875	[COM1] [COM2] [STB1] [STB2]	
PERPIGNAN APP	120.750	[COM1] [COM2] [STB1] [STB2]	
PERPIGNAN TWR	118.300	[COM1] [COM2] [STB1] [STB2]	
PERPIGNAN TWR	121.900	[COM1] [COM2] [STB1] [STB2]	

CLEAR ROUTE    CHANGE ROUTE

**Waypoint # 6**  
OKABI  
Altitude 15000 ft - Heading 263

[SET ALT] [SET ALT+VS]  
[SET HDG] [SET CRS]



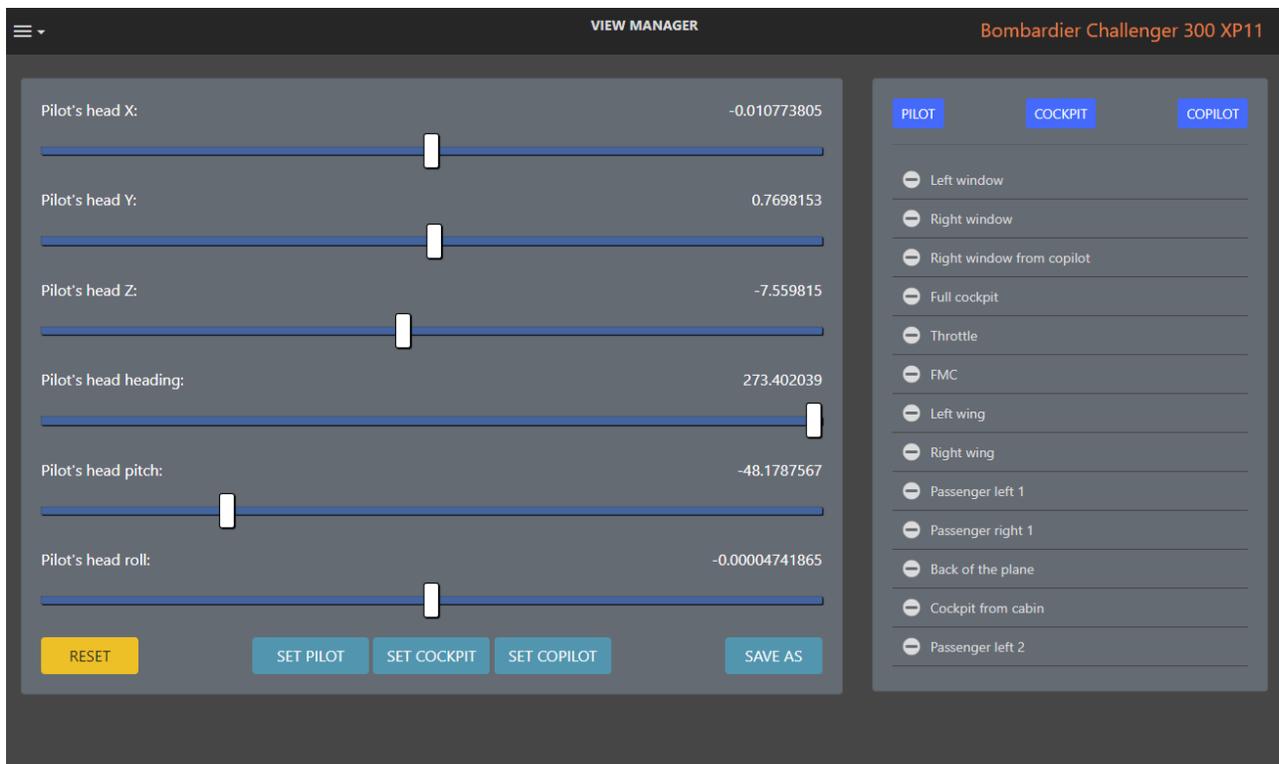
## VIEW MANAGER



IMPORTANT: This feature available in PRO version only.

This screen allows the user to create plane-specific views.

There are three master views: Pilot, Cockpit and Copilot. User can set three of them differently for each plane allowing to bypass the standard X-Plane field of view in monitor settings. Aviator will load automatically each plane views every time a plane is loaded and set Pilot view at the beginning.



Use View tab in main Aviator dashboard to use stored view during the flight.



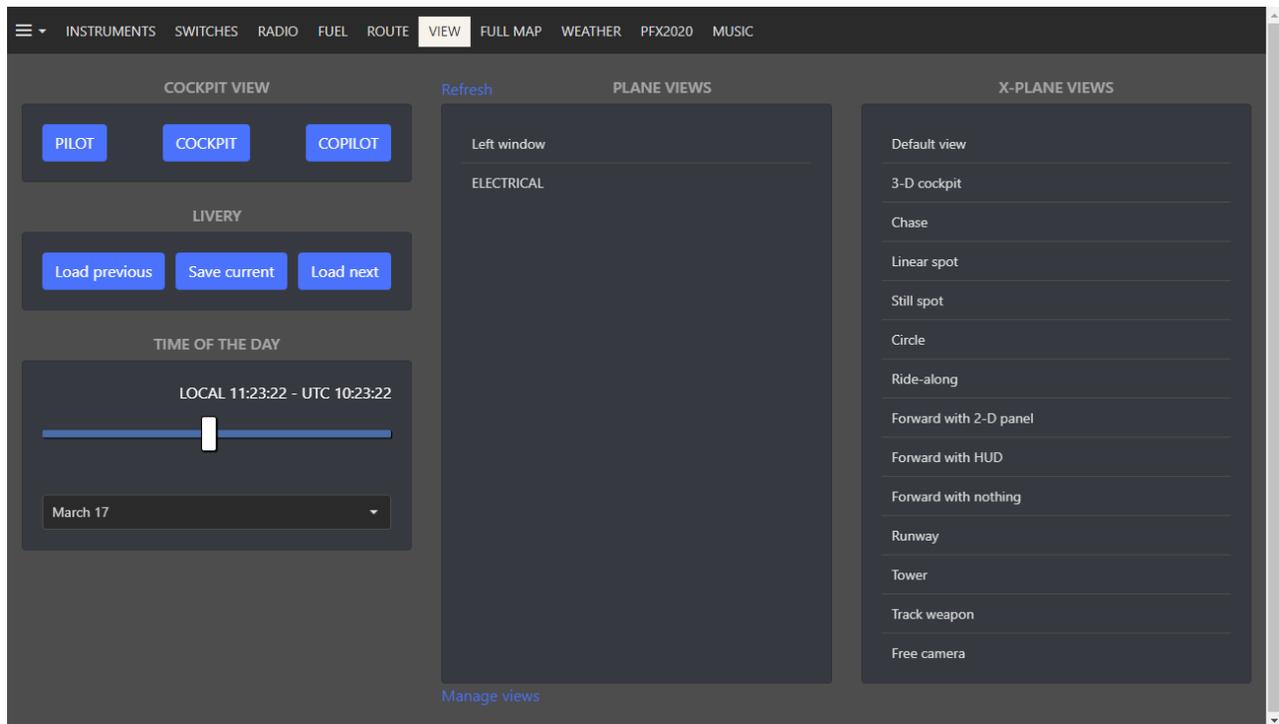
## VIEW TAB



IMPORTANT: This feature available in PRO version only.

This tab is a part of the main Aviator's dashboard to handle stored views and X-Plane standard ones.

Livery and local time can be changed from this screen too.



**New:** Date added to the time selector.



## FUEL TAB



**IMPORTANT:** This feature available in PRO version only.

The fuel panel contains fuel gauges, fuel flow information panel, slider for total fuel and payload as well as command buttons to perform all available X-Plane actions.

Main gauge shows total fuel plus individual indicators per tank. Tank gauges on the right show individual tank information up to 10 tanks. Below each tank numeric value allows to increase and decrease weight individually. Total fuel slider selects global fuel weight. Use payload slider for extra payload weigh.

Fuel flow information panel allows to change measurement units, time units and fuel type, affecting this last one only to gallons.

This panel handles X-Plane standard planes fuel features. Planes with fuel customization may not work or partially work in this panel.

This panel is similar to the standard X-Plane Weigh and Fuel screen, adding some extra information and of course, you don't have to pause your flight.

FF Status:		Unit	Kg	/	Sec	Fuel Type		Jet A1
Current	Max	Min	Avg	Used	Max Time			
0.02	0.02	0.02	0.02	15.44	01:28:58:11			

**Important:** We have plans to add customized fuel buttons for non-standard planes in future updates. Not available in this version.



## MUSIC TAB



**IMPORTANT:** This feature available in PRO version only.

Use Music tab to select the Internet radio stations or mp3 files you want to listen during your flight.

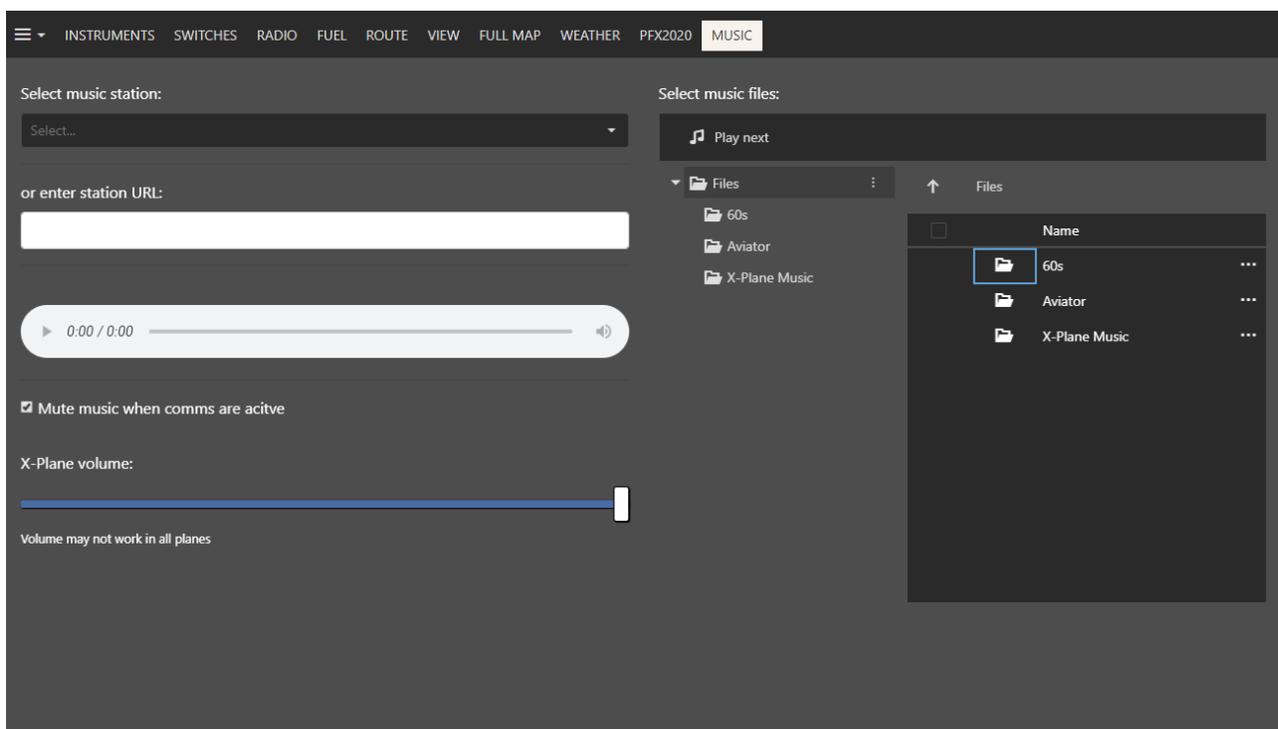
There is a dropdown list to select predefined radio stations, or you can enter your radio station URL on the right side if it's not in the list.

Radio station list can be updated using the file `\X-Plane 11\Aviator\Data\music.data`, please pay attention to the row format in case you want to update this file.

Mp3 files should be located inside `\X-Plane 11\Aviator\Data\music`, you can create different music subfolders here to classify the music.

Music is played using the used browser media player. There is also a slider to mix the volume of the plane engines with the music (this feature may not work in some planes).

Pilots can check the option to mute music when radio comms are active.



**Warning!** Music is played on the device where Aviator browser is in. If Aviator is accessed from external computer, Android or iPad, music will be played there and will be not mixed with regular X-Plane sounds. In this case, it is recommended to connect the external device to the main computer via the aux input in the sound card and be able to mix sounds.

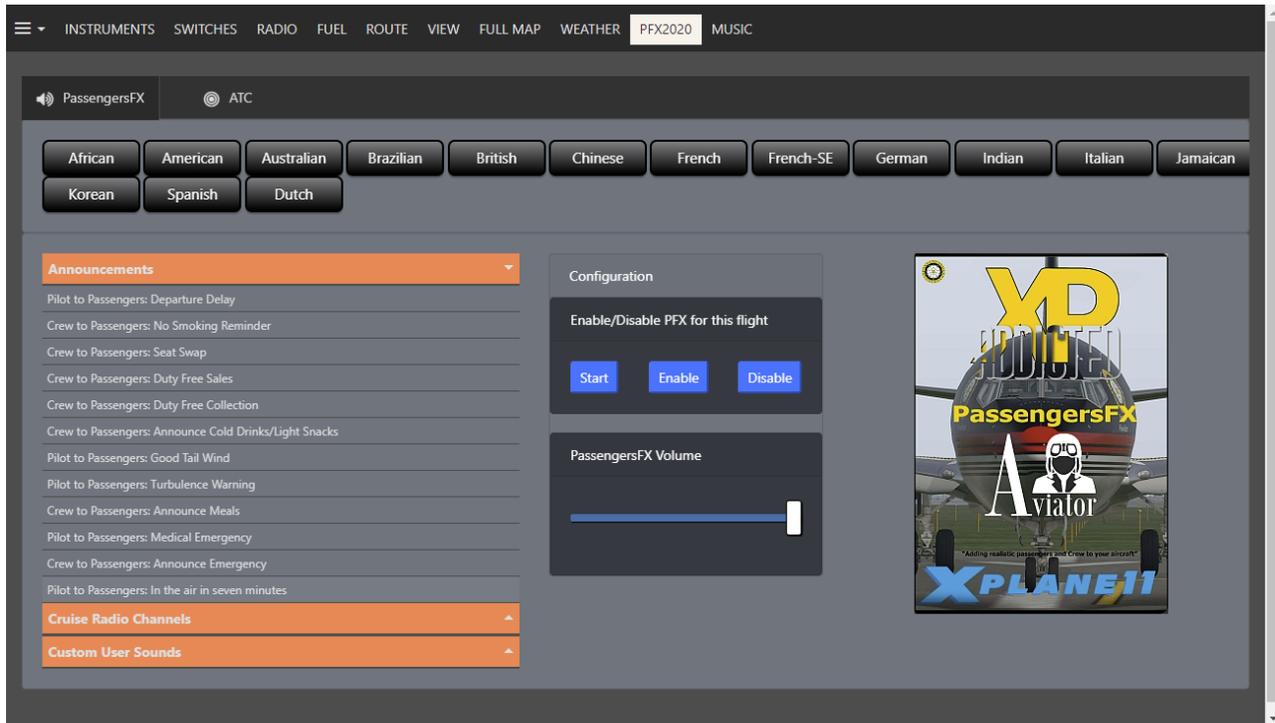


## PassengersFX Integration



**IMPORTANT:** This feature available in PRO version only.

Aviator fully integrates PassengersFX if the user has this plugging installed.



PassengersFX (PFX2020) is available in several languages and is a separate product provided by an associated developer available at <https://store.x-plane.org> and <https://xplaneaddicted.com>

Please, contact PassengersFX team for product information or support: [xplaneaddicted@gmail.com](mailto:xplaneaddicted@gmail.com)

PassengersFX (PFX2020) is an addon for X-Plane 11 that immerses you in an Airline environment, includes over 80 high-definition sounds, Including ambience, chatter, music, safety video, announcements and more.

Announcements that are both automatically triggered and manually played. Dynamic Sound levels dependent on your position in the aircraft, move from the cockpit to the cabin and notice everything getting louder.

Environment-dependent chatter Hear your passengers quiet down when you've reached cruising altitude. Compatible with all aircraft with two or more engines. Your passengers are ready to go with you, regardless of the airline.



## Aviator Widgets



IMPORTANT: This feature available in PRO version only.

Aviator provides individual widgets available at <http://localhost:8778/Widgets/>

Using Aviator Widgets user can split specific functions in dedicated monitor or devices. A good example is to use your smartphone to display flight information, activate switches or display some small instruments.

Some examples of Aviator Widgets displayed in an Android Smartphone:

### Flight information



### Switches in a vertical phone



### Gauges in horizontal phone





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## VR and Aviator

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Aviator can be used in VR installing MoveVR plugin by Folko

<https://forums.x-plane.org/index.php?/files/file/44809-movevr-move-external-windows-into-x-plane-even-into-vr/>

Please, don't forget to disable hardware acceleration in Chrome or it will not work

<https://www.technize.net/google-chrome-disable-hardware-acceleration/>

Select "Best quality" option and "Support Mouse Dragging" when using Aviator with MoveVR

We provide here MoveVR plugin information because we think is a good choice to integrate Aviator in VR, but for questions or support on MoveVR plugin please contact MoveVR support.

Many thanks to Folko for such amazing plugin.



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## AutoHotkey with Aviator

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Some users may not have dedicated monitor or device for Aviator, in this case Aviator has to share monitor with X-Plane interface. A good idea is to hide/show the Aviator browser using a hotkey.

There are many freeware solutions on the internet, but we are going to explain how to solve this problem using AutoHotkey at <https://www.autohotkey.com/>

We don't have any kind of collaboration with AutoHotkey creators or any special interest in this specific software, we just provide a solution. We don't provide support on this tool and we don't have any responsibility either.

Use on your own decision and risk and of course feel free to research and use other similar software.

*John Blanch, experienced X-Plane user and active member of our testing team created this AutoHotkey script for and shares it with all of us. Thanks a lot!*

This AutoHotkey script toggles Chrome window, minimizes or restores it with Ctrl-Z

---

```
ToggleWinMinimize(TheWindowTitle)
{
   SetTitleMatchMode,2
    DetectHiddenWindows, Off

    IfWinActive, %TheWindowTitle%
    {
        WinMinimize, %TheWindowTitle%
    }
    Else
    {
        IfWinExist, %TheWindowTitle%
        {
            WinGet, winid, ID, %TheWindowTitle%
            DllCall("SwitchToThisWindow", "UInt", winid, "UInt", 1)
        }
    }

    Return
}

^z::ToggleWinMinimize("Chrome")
```



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## Release Changes

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### **Update 1.0.0.20 – Jan 20 2020**

[Most of the features affects to PRO version only]

- Application upgraded to Microsoft .Net Core 3.1
- Fully instruments panel re-designed.
- Added prop and mixture controls in main instrument panel.
- New barometer interface with inHg and hPa units and font size fixed.
- Added Ident switch to ATC device.
- Flight info panel moved to a tab.
- Added ground handling and pushback options to SIM menu.
- Added date in VIEW tab.
- Maps now support multiple source servers.
- Added useful flight information on the top of the map.
- Music tab now supports mp3 files.
- Fixed problem parsing FMS plans folder.
- Fixed issue with METAR and TAF in Airport screen.
- Added link to update airport and navigation data from X-Plane in airport screen.
- Updating Aviator creates a backup of current Data subfolder in Backup subfolder.
- Improved performance.
- New PFX2020 integration.

### **Update 1.0.0.19 – Oct 11 2019**

- New Music tab. Refer to user manual. [PRO feature]
- Added multi-page capabilities for custom switch panel. [PRO feature]
- Added config file to define custom plane Datarefs for autopilot and other flight controls. [PRO feature]
- Full map option removed from free version, but still operational as a compact map panel at the instruments tab. [PRO feature]
- Donate and Buy PRO links added in tab menu.
- Activation now compatible with Org Store. Aviator will be soon available there.
- Fixed CSS issue in transponder digits for tablet or iPad devices.

### **AviatorPads for Windows (BETA) only for PRO users**

Integrates Akai LPD8 and MPD8 with Aviator to have physical realistic knobs and buttons for switches. All functionality defined through custom switch panels.



Users interested in using Akai devices should contact us. On-demand delivery for PRO users only willing to beta-test.

**Update 1.0.0.18 – Jun 13 2019**

- Fixed spinners for ADF frequencies in Radio devices.
- Added NDB in route tab allowing auto-tune of ADF frequencies from NDB waypoint.
- Fixed exception when X-Plane FMS Plans folder did not exist.

**Update 1.0.0.17 – Jun 10 2019**

- Fixed path separator bug for Linux and Mac. Was not affecting Windows users.

**Update 1.0.0.16 – Jun 6 2019**

- Update with all PRO version features available. Requires PRO license purchase.

**Update 1.0.0.1 – Mar 18 2019**

- Initial release

**Update 1.0.0.0 – Oct 1 2018**

- Development and beta process