FS-FlightControl

Manual

Instructor Operator Station
for Microsoft Flight Simulator, Prepar3D and X-Plane

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MAP

Real-time moving map shows current aircraft position, taxiways, gates, navaids, airways with integrated flight planning optionally on street or satellite map.

Control Elements

In the following all control elements will be explained individually.

General

The buttons on the left side of the map toggle the display of various map layer whereas the buttons on the right side can be used to perform different actions.

If a button is displayed in white this layer or action is currently inactive.

A orange color shows a partly active layer or action. This mean for example that the structure of a layer (like a runway) is displayed, but not a corresponding text (like the runway ident).

Note: Not all layers and actions have a partly active state.

And if the button is in green this layer or action is currently active.

Aircraft Layers

`User` toggles the display of the user aircraft. In partly active state only the aircraft itself is displayed and in full active state additionally the current altitude as flight level as well as the indicated airspeed and true heading direction separated with a T is displayed.

`AI Aircraft` toggle the display of AI aircraft generated by flight simulator. In partly active state only the AI aircraft themselves are displayed and in full active state additionally the AI aircraft type, the current altitude as flight level as well as the indicated airspeed and true heading direction separated with a T is displayed.

Note: Please keep in mind that flight simulator only simulates AI aircraft about 70-100 NM around the user aircraft. Therefore no AI aircraft will be displayed on the map outside of this area.

`VATSIM` toggle the display of pilot and ATC users of the VATSIM (Virtual Air Traffic Simulation) network. In partly active state only the VATSIM users themselves are displayed and in full active state additionally some textual information about the user next to it.

`IVAO` toggle the display of pilot and ATC users of the IVAO (International Virtual Aviation Organization) network. In partly active state only the IVAO users themselves are displayed and in full active state additionally some textual information about the user next to it.

`PilotEdge` toggle the display of pilot users of the PilotEdge network. In partly active state only the PilotEdge users themselves are displayed and in full active state additionally some textual information about the user next to it.

Note: `VATSIM` and `IVAO` cannot be combined with the button `AI Aircraft`, but `PilotEdge` can. For the latter `AI Aircraft` toggles the display of PilotEdge drone aircraft.

Object Layers

`Airport` toggles the display of the airport symbols. In partly active state only the airport symbols themselves are displayed and in full active state additionally the airport ICAO code.

`Runway` toggles the rendering of the runway surfaces. In partly active state only the runway surfaces themselves are displayed and in full active state additionally the runway idents on both sides of the runways.

ILS toggles the rendering of the ILS beams. In partly active state only the ILS beams themselves are displayed and in full active state additionally the ILS idents.

Axis toggles the rendering of the runway axes - a dotted line from the runway start. There is no partly active state available for this layer.

Marker toggles the display of the marker symbols. In partly active state only the marker symbols themselves are displayed and in full active state additionally the marker types (outer marker (OM), middle marker (MM), inner marker (IM), back course marker (BC)).

Taxi/Park toggles the display of the taxiway, apron and park area surfaces. In partly active state only the surfaces themselves are displayed and in full active state additionally the taxi point and parking names.

VOR toggles the display of the VOR symbols. In partly active state only the VOR symbols themselves are displayed and in full active state additionally the VOR idents.

NDB toggles the display of the NDB symbols. In partly active state only the NDB symbols themselves are displayed and in full active state additionally the NDB idents.

Airway and Waypoint Layers

Airway High toggles the display of high (jet) airways together with their connecting waypoints. In partly active state only the airways and waypoints themselves are displayed and in full active state additionally the airway names and waypoint idents.

Airway Low toggles the display of low (victor) airways together with their connecting waypoints. In partly active state only the airways and waypoints themselves are displayed and in full active state additionally the airway names and waypoint idents.

Waypoint toggles the display of all waypoints including waypoints not connected to any airways. In partly active state only the waypoints themselves are displayed and in full active state additionally the waypoint idents.

Other Layers

`Weather Station` toggles the display of weather stations. In partly active state only the weather stations themselves are displayed and in full active state additionally the weather station ICAO codes.

`User POI` toggles the display of user points of interest (POI). In partly active state only the points of interest themselves are displayed and in full active state additionally the points of interest names.

Background Types

If no background type is selected the map is displayed on a plain surface colored in black.

`Street Map` switches the map background to a street map.

`Satellite Map` switches the map background to a satellite map.

`Height Map` switches the map background to a height map which displays the ground level elevation.

Find Object

`Find Object` shows the ***Find Object*** dialog.

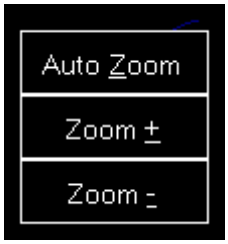
Flight Plan Mode

`Flight Plan Mode` enables or disables the flight plan mode.

This dialog is displayed as long as the flight plan mode is enabled. The displayed flight plan tables has the same functionality as on the ***Flight Plan*** module.

Only as long as the Flight Plan Mode is enabled flight planning functions are shown in the ***Pop-Up Menu***. You can for example right-click on any waypoint on the map and easily add it to your flight plan.

Zoom Options

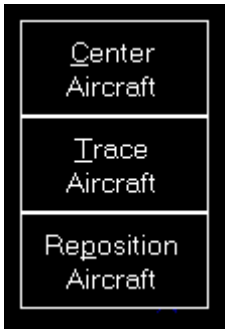


`Auto Zoom` enables or disables the automatic zoom based on the current aircraft altitude above ground.

Note: The automatic zoom feature can be configured on the ***Settings*** module.

`Zoom +` zooms in and `Zoom -` zooms out.

Aircraft Options

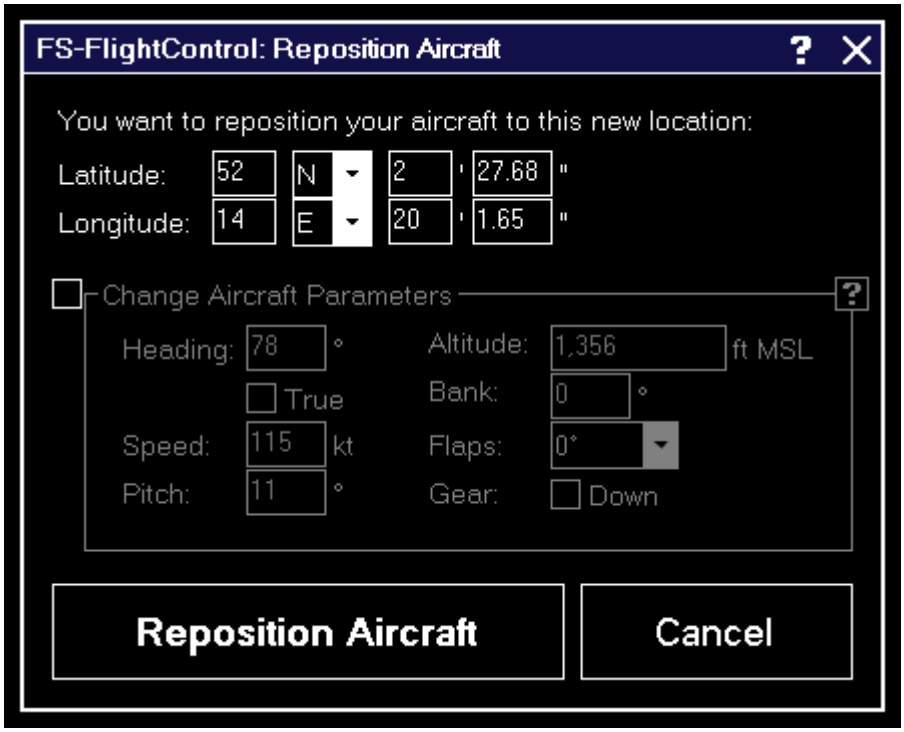


`Center Aircraft` centers the map on the current aircraft position.

`Trace Aircraft` enables or disables the drawing of an aircraft trace line.

`Repositon Aircraft` allows you to quickly reposition the aircraft. After this action is activated the next click on the map will open the reposition aircraft dialog below. To cancel the repositioning action again just click a second time on this button.

Reposition Aircraft

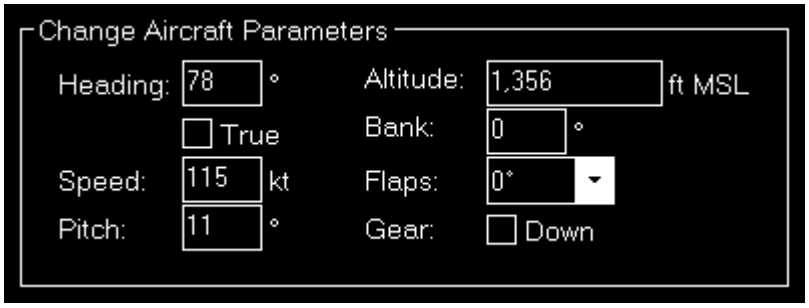


After you initiated an aircraft repositioning this dialog is displayed.

First you can change the new location (latitude and longitude) manually if you want.

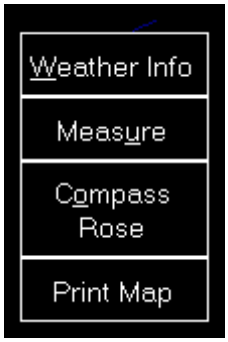
To change the other parameters just enable the `Change Aircraft Parameters` checkbox.

Change Aircraft Parameters



All other aircraft parameters like heading, altitude, speed, pitch and bank angle are pre-filled with the current aircraft values.

Other Options



`Weather Info` toggles the display of a wind arrow in the top center of the map. In partly active state only the wind arrow itself is displayed and in full active state additionally the current wind speed and true direction separated with a T as well as the visibility range and temperature are displayed.

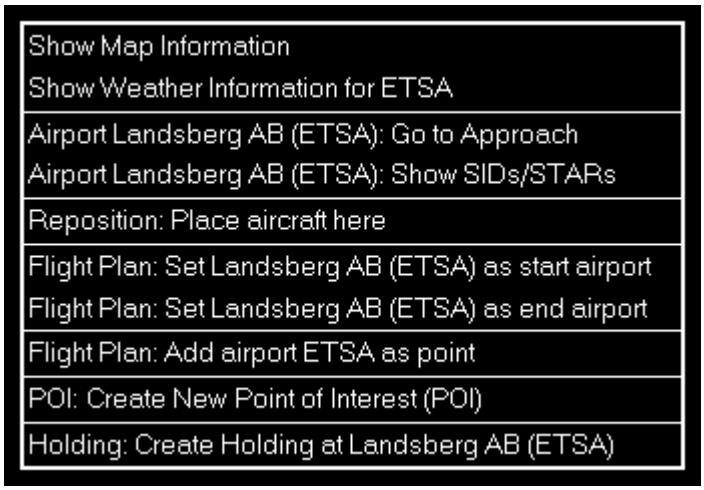
`Measure` allows you to quickly measure the distance between two points on the map. After this action is activated first click on the start and then on the end point. Now the distance between these two points together with the true heading from the first to the second point is displayed.

`Compass Rose` toggles the display of a compass rose around the aircraft.

`Print Map` allows you to print the current map view.

Note: You can define the used printer in the ***Settings*** module; same goes for the used color schema used for printing.

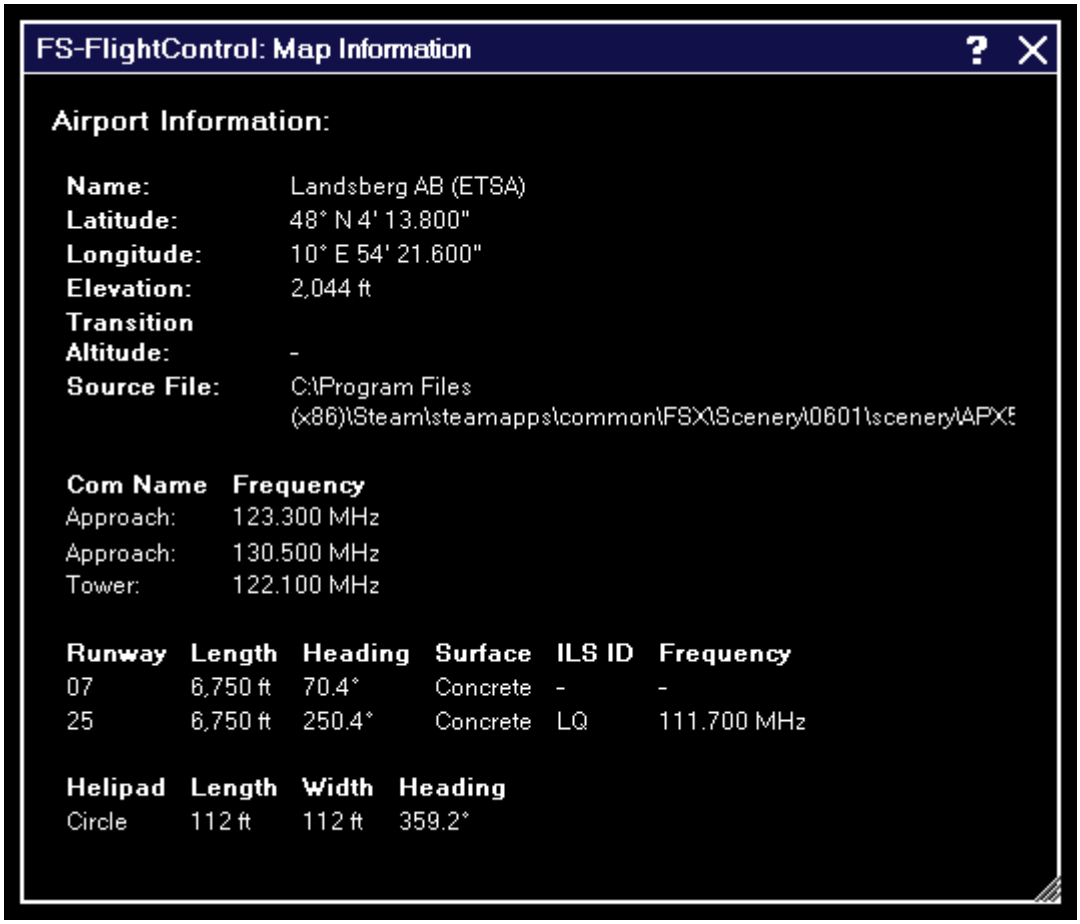
Pop-Up Menu



After you right-clicked (long touch) on any point of the map this pop-up menu will open.

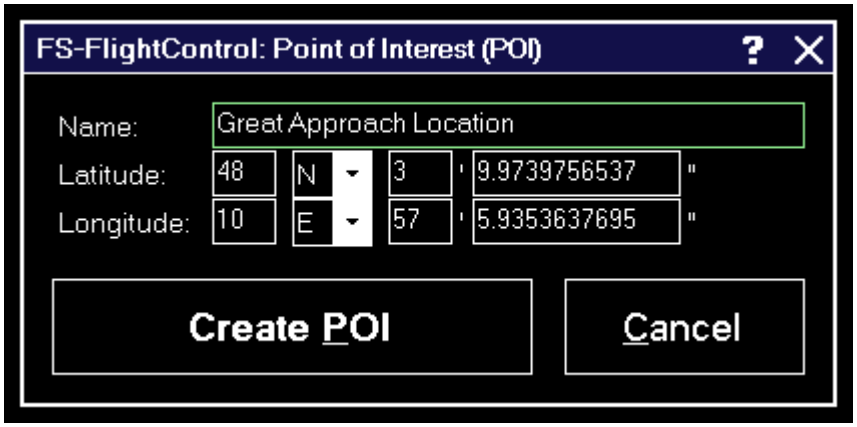
The displayed menu items depend on the location where you right-clicked, the activated layers and if the ***Flight Plan Mode*** is active or not.

Map Information



Using the menu item `Show Map Information` will open this pop-up window showing detailed information about all nearby facilities.

Create New Point of Interest (POI)



You can create a new point of interest (POI) at any map location.

This point can later be used for example as a flight plan point.

Map Scale

In the bottom right of the map you can always see the current map scale.

FS-FlightControl Manual:
https://www.fs-flightcontrol.com/en/manual/

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