

Marcel Dassault-Bréguet Atlantic panel

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Introduction

This panel has been made specifically for the great Atlantic plane made by Massimo Taccoli. It is based on pictures of the Atlantic taken at the Musée de l'Air et de l'Espace in Paris – Le Bourget LFPB. My thanks go to Jean-Pierre Bertrand-Porchet from the Musée who let me access to the cockpit, and to Arne Bartels who taught me how to make the specific gauges for this plane and some others.

General

This is a 2D panel with all cockpit views like in FS2000, and all the gauges have been made according pictures of the original gauges. Hereafter is a view of the main panel.



The main panel has three main parts : the pilot instruments on the left, the engine instruments on the right, and some pedestal instruments on the bottom right.

To access to the subpanels, never use SHIFT + NUM, but always click on the SimIcons located in the center of the panel. If you click on the bottom center of the yoke, it will disappear.

To access to the cockpit views, use your hat button on top of your joystick, or the numpad keys.

Pedestal panel

The main panel shows only a partial pedestal with its instruments and switches.



The pedestal subpanel is displayed after you have clicked on the corresponding SimIcon of the main panel. You will have the following view.



To close the pedestal, click either on the same SimIcon on the main panel or the close SimIcon located at the top left corner of the pedestal.

Overhead panel

The overhead panel is open by clicking on the overhead SimIcon. It looks like the following picture.



On the top left part are located some buttons. On its bottom row, the first left one switches the panel lights.

Underneath these buttons, there is the fuel section where you can read the 4 fuel quantity gauges.

In the center are located the radios, with, from top to bottom :

- the COM1 radio
- the IFF/Transponder
- the NAV1 and NAV2 radios
- the ADF radio

All radios have only one frequency, no standby frequency.

On the bottom right is located the starter panel.

You can close the overhead panel by clicking on its close SimIcon on the top right corner of the panel.

GPS panel

The overhead panel is opened by clicking on the GPS SimIcon. It looks like the following picture.



You can close the GPS panel by clicking on its SimIcon, or on the top left corner of the GPS, on the GARMIN name.

Radio altimeter

Under the GPS panel, on the main panel is located the radio altimeter. To switch it On/Off, depress the green lamp on top of it.



Radios panel

The radio panel is opened by clicking on the radios SimIcon. It looks like the following picture. It has been added as changing frequencies on the overhead panel is difficult as it hides the pilot view.



You can close the radios panel by clicking on its SimIcon, or on the close SimIcon at the top left corner of the radio panel.

RMI

The RMI has two needles, a single one for the VOR and a double one for the ADF. To switch between VOR1 and VOR2, use the switch on the top right edge of the RMI. Don't forget that RMI only shows VOR direction, but not LOC direction.



Thrust levers panel

The thrust levers panel is opened by clicking on the throttle SimIcon. It looks like the following picture.



You can close the thrust levers panel by clicking on its SimIcon, or on the close SimIcon at the top left corner of the thrust levers panel.

You can notice that on this panel are located :

- On the left side : the propeller and thrust levers, the parking brake lever,
- On the right side : the flight director and autopilot,
- On the bottom right, the fuel valves.

When the parking brake lever (black and yellow stripes) is at the bottom, like on the picture, the brakes are set. A click on the upper part or its sliding rail releases the brakes.

If you click on the one lever handle and mouse drag it, the corresponding function of one engine is changed (propeller or thrust) according your mouse/lever displacement. If you click between the two similar handles, you can move them both together.

Autopilot and flight director

The Atlantic has a very simple autopilot. You can access it on the thrust levers panel, just on top of the fuel levers.



The Flight Director selector is also the FD switch ; Click on the right side of the selector button to turn it right, on the left side to turn it left. From left to right, the functions are marked as follows :

- OFF
- HDG : Heading, choose your heading by setting the HSI bug
- RADIO : VOR/LOC radial interception and course following, course set on the HSI.
- GS : Glide slope capture and following

These functions are complementary , as you can switch from heading to radio navigation for instance. The plane will follow its selected heading until it captures the VOR.

The altitude hold function is activated with a separate switch on the upper part of the gauge.

According to the active functions, a corresponding warning light is on.

The autopilot main switch is on the right side of the bottom part of the gauge.

Radios

The following pictures show you the radios hot spots.



You switch On/Off the COM and NAV radios by clicking on the ON or OFF red areas. You can set the frequencies by clicking on the minus areas to decrease, and plus areas to increase the corresponding values, either on the buttons or on the digits themselves. The left areas or button correspond to the whole frequency, the right to the fractionnal .



On the ADF, the red areas also correspond to the switches. On/Off functions are performed by clicking on ADF and OFF respectively. The ADF station ident is switched On/Off by clicking in the center of the tone switch.

The frequencies are set by clicking on the green or blue areas on the button for units, ten, and hundred digits, but an easier way is to use the yellow areas located on the digits themselves



On the transponder, which has an IFF look, you switch it ON by clicking in the red area. The green areas are the frequency setting zones. On top of the digit, you increase its value, underneath you decrease it.

NOTE: Don't forget that the frequency can only be set when the radio is ON. Otherwise the clicking zones are inoperative.

HSI

The Atlantic HSI has a special setting method for heading or course when you click on the corresponding setting button :

- a left click increases/decreases the heading or course by 1 degree
- a right click increases/decreases the heading or course by 10 degree



The selected course value is shown in the bottom center window of the HSI.

The VOR/ILS on the HSI only works when NAV1 radio is on.

Other instruments

All other instruments and gauges have a help installed telling you their function.