
Carousel INS

Delco Carousel IV-A Inertial Navigation System for *Microsoft Flight Simulator*

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Sample Panel.cfg files

This package includes several patched panel.cfg files to add the INS gauges to default and non-default panels/aircrafts. INS gauges support is not absolutely limited to these panels, they can be installed into almost any Flight Simulator panel, these are just few examples we wanted to provide by default. To learn how to manually implant INS gauges into a panel refer to the separate Panel Integration Manual (PanelIntegrationManual.pdf).

For default aircrafts two sets of sample panel.cfg files are included, one for FS2002 and one for FS2004.

Sample panel.cfg files for DEFAULT aircrafts/panels

Three patched default Flight Simulator panel.cfg files are provided. The association of the Carousel INS with such aircrafts is almost totally unrealistic (those aircrafts do not come equipped with such kind of unit(s) except maybe the LearJet) but we wanted to use default aircrafts because they are always available to any Flight Simulator user.

Each panel has been equipped with a different INS configuration to let the user experience all the supported scenarios.

Aircraft	INS Configuration	File Location
LearJet 45	Single INS	Civa/SamplePanels/Fs2002/LearJet Civa/SamplePanels/Fs2004/LearJet Civa/SamplePanels/FsX/LearJet
Boeing 737-400	Dual INS	Civa/SamplePanels/Fs2002/B737 Civa/SamplePanels/Fs2004/B737
Boeing 747-400	Triple INS	Civa/SamplePanels/Fs2002/B747 Civa/SamplePanels/Fs2004/B747

An additional, special, panel.cfg is provided which is the one the tutorial flight is based on:

Boeing 737-400	Triple INS	Civa/SamplePanels/Fs2002/Tut1 Civa/SamplePanels/Fs2004/Tut1
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Installation is extremely easy: First make a copy of the original file then proceed overwriting it with the correspondent one supplied with this package. In some cases there are also few additional bmp files to be copied.

Let' make an example. Let's assume we want to install the LearJet patched panel.cfg file under FS2002.

- Locate where the LearJet panel is installed. Flight Simulator has been installed in F:\FS2002 so the LearJet has to be searched under "F:\FS2002\Aircraft" folder and you will soon find it ("lear45" subfolder). The the corresponding panel.cfg file is in the "panel" subfolder (so f:\fs2002\aircraft\lear45\panel\panel.cfg).
- Make a copy of the original file
- Copy the patched one (f:\fs2002\civa\SamplePanels\Fs2002\LearJet\panel.cfg) over the original (f:\fs2002\aircraft\lear45\panel\panel.cfg)

Installation is complete.

Additional panel.cfg files

We're also including, with permission, ready to use, patched, panel.cfg files adding INS gauges to some famous great freeware panels. Each aircraft/panel has been selected because originally equipped with Carousel units (model/version may actually be different from the specific IV-A CIVA 28 A model reproduced), and gauges have been installed respecting the configuration to be found in the real cockpits.

To install any of the supplied panel.cfg file it is necessary to download and install the full original package first (and, please, make sure it is working before using the patched cfg file), and then proceed by overwriting its panel.cfg file with the corresponding patched version. It is always a good idea to save original file before overwriting it.

Note they are all FS2002 panels.

Included panel.cfg files:

SimuFly "consumed/used" variant of Historic Jetliner Group DC-8-50 Panel

File: CIVA/ExtraPanels/SimuFly/panel.cfg

Configuration: Dual INS whith dual Nav Mode capability. MSUs are in a separate subpanel, CDUs are in a separate subpanel, NAV Mode Selector and DME Updating gauges are part of the main panel.

Richard Probst's Boeing 727 Panel

File: CIVA/ExtraPanels/RpB727/panel.cfg

Configuration: Dual INS where only INS 1 can be connected to the A/P, INS 2 can only be used as reference in case INS 1 fails.

MSUs are in a separate subpanel, CDUs in a separate subpanel, NAV Mode Selector is part of the main panel.

David Durst Lockheed L-1011 Panel

Files: CIVA/ExtraPanels/DdL1011/panel.cfg, civa_3msu.bmp, civa_3cdu.bmp

Configuration: Triple INS. MSUs are in a separate subpanel, CDUs are in a separate subpanel, NAV Mode Selector and DME Updating gauges are part of the main panel.

Paul Golding Boeing 707 Panel

File: CIVA/ExtraPanels/PgB707/panel.cfg

Configuration: Dual INS whith dual Nav Mode capability. MSUs are placed in the overhead panel, CDUs are in a separate subpanel, NAV Mode Selector and DME Updating gauges are part of the main panel.

Many thanks to Marco and HJG, Richard, David and Paul for giving us permission to distribute the patched version of their original panel.cfg file. Problems or questions related to these panel.cfg files should be addressed to the INS forum as they are not officially supported by original authors.

If you are looking for a different INS-equipped panel then try searching the Internet first as there are many available, for both freeware and commercial packages. If you are not able to find it then you can add CIVA gauges by yourself, using PanelIntegrationManual.pfd as reference, the process is very easy.