

Alrot's Boeing 727 for FSX.

Panel Descriptor

February 18, 2009

Foreword

Dear fellow Flight simmer: Thank you for downloading Alrot's FSX Boeing 727 Model. We trust that you will enjoy this aircraft as much as we have developing it. What follows is a brief description of the main panel areas and specific instrument functionality and operation. While this is not intended to be a full-fledged How-To-Fly manual, it will attempt to cover the basic functionality of the instruments as they apply to this particular model.

The instruments and gauges found in this release were developed by me during the last three months. The sources used have been numerous images found online of the instruments and layout, as well as maintenance manuals, schematics, panel descriptors and airline training documentation that I have collected on this aircraft. Some instruments' artwork is based on the original CONCORDE.GAU files from Flight Simulator and also from other freeware panels available during my research. Most other instruments have been developed with entirely new art and functionality. They have been adjusted and tested to conform to a fair approximation to the operations of a mid to late life (circa 1980s) Boeing 727 aircraft of no particular carrier within the constraints imposed by the simulator engine itself and the simplification required for a one pilot operation (e.g. fuel quantity gauges in the main panel). Where a compromise was required between functionality / practicality and realism, the latter has carried the day. The end product is not intended to be a true-to-life check-ride accurate representation of the aircraft but rather a simplified representation of it.

Each XML file is accompanied by a copyright statement, and credits the original authors or sources when applicable if the work is based on other designer's work. The instruments are provided on an open .CAB archive for free study by any user both as a thank you to other designers who have for years allowed me to enjoy this hobby through their efforts and dedication. I also wish that should any of my ideas or procedures (or entire instrument!) serves as inspiration for further development of more and better aircraft then that it is done so. I only ask that you kindly credit me in case you do use any of them in your own release. No instrument is herewith released for use with ANY Payware release whatsoever without my previous written consent.

A special thanks to Mr. Alejandro "Alrot" Rojas, whose wonderful 727 model was the foundation of this project, Mr. Brett Henderson who kindly provided aircraft flight testing, tuning and feedback on the development of the instruments in this panel. Also thanks and admiration goes out to Mr. Doug Dawson for his gau2xml which is the basis for all the sound effects for this panel. And finally a word of thank you to all those of you who have dedicated countless hours of effort, work and enthusiasm to keep this hobby of ours going for so many years, let there always be blue skies above us to conquer, tricky approaches to negotiate and vast distances to maneuver in our virtual worlds.

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Complete Panel

Captain's Instrument Panel



- | | |
|---|---|
| 1- Ground Proximity Warning System (GPWS) | 12-OMI Marker Lights |
| 2- Air Speed Indicator (ASI) | 13-Clock and Chronograph |
| 3- Autopilot Disengaged Indicator | 14-Radio Magnetic Indicator (RMI) |
| 4- Instrument Comparator (Aux AP annunciator) | 15-Horizontal Situation Indicator (HSI) |
| 5- Speed break Armed / Deployed Indicator | 16-Vertical Speed Indicator (VSI) |
| 6- Attitude Display Indicator | 17-Elevator And Rudder Position Indicator |
| 7- Autopilot / Approach Sequence Annunciator | 18-Distance Measuring Equipment (DME) |
| 8- Radio Altimeter | 19-Yaw Damper Engage Switch |
| 9- Barometric Altimeter | 20-SimIcons (Radio Stack / GPS / 737 MCP) |
| 10-Altitude Alert Indicator | 21-Autopilot MCP |
| 11-OMI Marker Audio Switch | |

Autopilot MCP



- 1- Autopilot Mode Selector
- 2- Autopilot Altitude hold mode switch
- 3- Pitch Command Knob

Fire Panel



- 1- Wheel Well Fire indicator
- 2- Engine Fire Indicators, Handles and extinguisher switches
- 3- Left Fire Extinguisher bottle discharge indicator
- 4- Fire Extinguisher bottle transfer switch
- 5- Right Fire Extinguisher bottle discharge indicator

Engine Instruments



- | | |
|---|---|
| 1- Thrust Reverser engaged indicators | 8- Landing Gear transit and position indicators |
| 2- Engine Pressure Ratio (EPR) indicators | 9- Fuel Quantity indicators |
| 3- N1 RPM Indicators | 10- Master Warning light and switch |
| 4- Exhaust Gas Temperature (EGT) Indicators | 11- IB/OB Flaps position indicators |
| 5- N2 RPM Indicators | 12- LE Flaps / Ext Flaps indicators |
| 6- Fuel Flow (FF) Indicators | 13- Low Oil pressure lamps |
| 7- Gear Doors Indicator | |

Pedestal



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|-----------------------------------|----------------|
| 1- Master AutoPilot on-off switch | 6- COM 2 Radio |
| 2- Alt / Hdg hold switches | 7- ADF Radio |
| 3- NAV 1 Radio | 8- Transponder |
| 4- NAV 2 Radio | 9- Audio Panel |
| 5- COM 1 Radio | |