

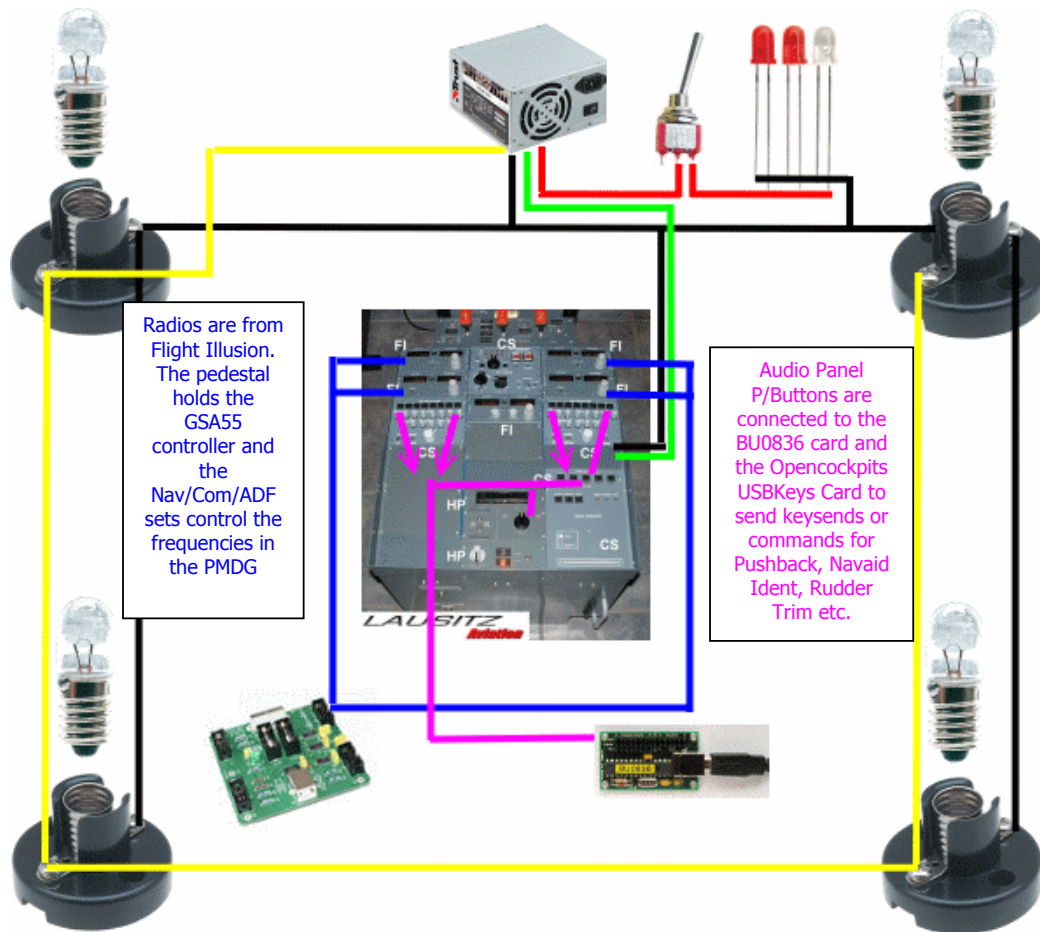
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The Centre Pedestal

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A basic explanation of how the Pedestal works and inputs into FS and the PMDG



The Pedestal contains an ATX 650w PSU. This is switched on and off by a Toggle on the F/O Audio Panel. This gives me 12v for backlighting using MES Bulbs, 5 and 3v for LED's and also feeds the Flight Illusion GSA55 Interface Board

Inside the pedestal I have built in an ATX Power Supply. This supplies 8 x MES Bulbs with 12vdc. The holders have been strategically placed to illuminate the pedestal panels with backlighting.

It also gives me a supply of 5vdc and 3vdc for the LED's. Flight Illusion's GSA55 Controller also is fed from this power supply because it is fitted with standard Molex Computer Plugs for it's power input.

The Power Supply is switched using one of the Toggle Switches in the F/O Audio Panel. The 5.1 surround sound amplifier is also switched from the audio panel.

Both the Audio Panels have 8 pushbuttons (usually used for Mic Selection, but how many Mic's do you have :o)). So I have used them to send inputs forward into either the sim or the PMDG via the Keyboard Emulator or the BU0836 Joystick Controller. Here's a list of what does what. Buttons are numbered 1 – 8 from the left.

Captains Audio Panel Pushbuttons

1. Sends the Key via the USBKeys Card to FS for VOR1 ident.
2. Sends the Key via the USBKeys Card to FS for VOR2 Ident.
3. Sends the Key via the USBKeys Card to PMDG for Pushback Left
4. Sends the Key via the USBKeys Card to PMDG for Pushback Straight
5. Sends the Key via the USBKeys Card to PMDG for Pushback Right
6. Sends the Key via the USBKeys Card to PMDG to Open Overhead Panel
7. Sends the Key via the USBKeys Card to PMDG to Open the Radio Panel
8. Sends the Key via the USBKeys Card to PMDG to Open Throttles Panel
9. Volume Controls- Not Used at Time of Writing
10. VBR Rotary Switch Not used at Time of Writing
11. Toggle switches turn on and off various systems in the cockpit.

F/Officer Audio Panel Pushbuttons

1. Sends the Key via the USBKeys Card to FS for ADF Ident
2. Sends the Key via the USBKeys Card to FS for Markers On/Off
3. Sends the Key ALT via the USBKeys Card to FS
4. Sends the Key ALT + ENTER via the USBKeys Card to FS
5. Spare
6. Spare
7. Spare
8. Spare
9. Volume Controls- Not Used at Time of Writing
10. VBR Rotary Switch Sends the Key via the USBKeys Card to Key2Mouse to actuate Tcas Test when Radio Panel is open and also sets Transponder as well.
11. Toggle switches turn on and off various systems in the cockpit.

Rudder Trim Panel

1. Rudder Trim (Pulse Switch) sends Joystick Button Press via the BU0836 Card to FSUIPC which actuates the FS Command Rudder Trim Left or Right.
2. Toggle switches (momentary (on)/off/(on)) sends Joystick Button Press via the BU0836 Card to FSUIPC which actuates the FS Command Aileron Trim Left/Right which causes Left Wing Down or Right Wing down.

Printer Panel – Dummy, just the LED's are lit.

SELCAL Panel – Dummy, just the LED's are lit.

Printer Panel – Dummy, just the LED's are lit.

Cargo Fire Panel – Dummy, just the LED's are lit.

WX Radar Panel – Dummy, just the LED's are lit.