



Opencockpits



Manual STAB TRIM B737 Panel IDC.

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Introduction:

B737 Stab Trim Panel with integrated backlight technology BKI. Made from a 6mm thick piece, with painted finish and professional engraving.

This panel is designed to connect it directly with an I/O card like the Master or PCB Pedestal.

The panel has operative the following components:

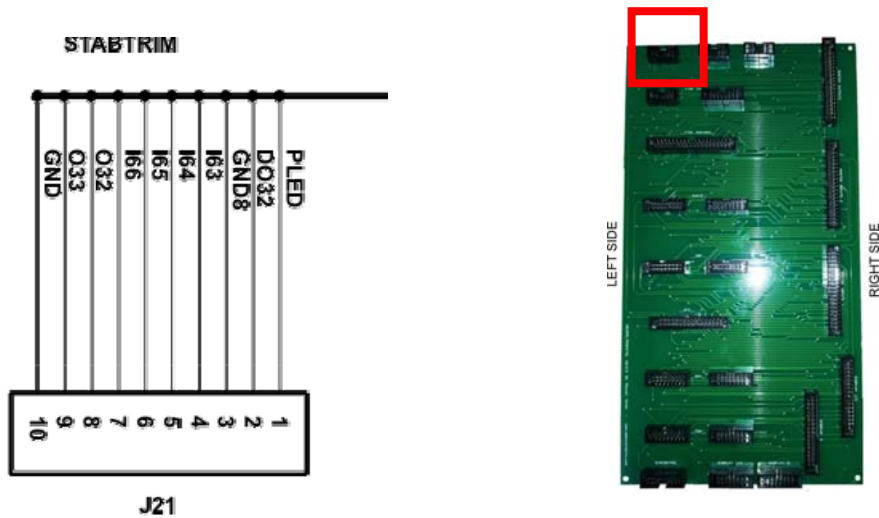
- Switch with guard.
- Rotary switch.
- Indicators.
- Backlight.

BKI Technology:

The BKI technology is similar to the original used in the original Boeing panels, it is embedded within the backlight panels, increasing the quality of the backlight and a significant drop in energy consumption and to avoid light pollution around the panels.

Wiring Stab Trim:

STAB TRIM B737 IDC connectors can be plugged to any I/O card and to Pedestal PCB using 10 contacts IDC connectors:



The names of the connectors on the PCB panel and the pedestal are the following:

PANEL IDC	PCB PEDESTAL
J2	J21

Description of connectors STAB TRIM:

Stab Trim panel is connected to PCB Pedestal 2 (Master n°2, FO side).

J21 CONNECTOR		
I/O	PIN	FUNCTION
PLED	1	Positive for backlight. It takes 2.5 volts to 2.9 volts. <i>ActiveWarning: may burn more voltage backlight!</i>
DO32	2	Negative for backlight
GND8	3	GND Inputs
I63	4	NORMAL (mode normal = OFF, mode ovrd = ON). Input 63 on master 1, Input 135 on master 2
I64	5	UNLKD. Input 64 on master 1, Input 136 on master 2
I65	6	AUTO. Input 65 on master 1, Input 137 on master 2
I66	7	DENY. Input 66 on master 1, Input 138 on master 2
O32	8	LOCK FAIL INDICATOR. Output 32 on master 1, output 96 on master 2
O33	9	AUTO UNLK. Output 33 on master 1, output 97 on master 2
GND	10	GND outputs

The USBDimcontrol card is recommended. It is also recommended to use 3 volt power for the backlight.

Declaration of inputs and outputs Stab Trim:

To declare variables of inputs and outputs must use the following format (the list belongs to the pedestal's definition file of Opencockpits pedestal).

```
// OUTPUTS STAB TRIM
```

```
Var 294, name STBLCKL, STATIC, Link IOCARD_OUT, DEVICE XX, Output 96 // STAB TRIM  
LOCK FAIL INDICATOR
```

```
Var 296, name STBAUTOL, STATIC, Link IOCARD_OUT, DEVICE XX, Output 97 // STAB  
TRIM AUTO-UNLOCK INDICATOR
```

```
// INPUTS STAB TRIM
```

```
Var 556, name S_STBOVRD, STATIC, Link IOCARD_SW, DEVICE XX, Input 135 // STAB  
TRIM OVERRIDE-NORM SWITCH
```

```
Var 558, name R_STBDUNLK, STATIC, Link IOCARD_SW, DEVICE XX, Input 136 // STAB  
TRIM DOOR UNLOCK ROTARY SWITCH
```

```
Var 560, name R_STBDAUTO, STATIC, Link IOCARD_SW, DEVICE XX, Input 137 // STAB  
TRIM DOOR AUTO ROTARY SWITCH
```

```
Var 562, name R_STBDENY, STATIC, Link IOCARD_SW, DEVICE XX, Input 138 // STAB  
TRIM DOOR DENY ROTARY SWITCH
```

With this we end this manual, we invite you to read the manuals for the other elements of Opencockpits and SIOC software and we thank you for trusting us.

Links of interest:

Customer Support Zone:

<http://www.opencockpits.com/catalog/info/>