

Generic Head Up Display (HUD)

General

This is a generic Head Up Display which can be used for any aircraft in the FSX-Environment. With the HUD on the proper position on the panel window it will provide the PC-Pilot mainly during the approach phase with all the information required to land without moving his view across various instruments.



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Description of the Elements

- | | |
|----|---|
| 1 | Heading Information |
| 2 | Autopilot ON/OFF Indicator |
| 3 | Flight Director ON/OFF Indicator |
| 4 | Speed Hold Indicator |
| 5 | Glide Slope Indicator |
| 6 | Vertical Speed |
| 7 | Altitude R= Radio High, B= Baro High. Switch to Baro at 5000ft. |
| 8 | VOR1 Information |
| 9 | VOR2 Information |
| 10 | Localizer Indicator |
| 11 | Wind Information |
| 12 | Bank Angle Indicator |
| 13 | Flight Director Symbol (yellow) |
| 14 | Speed |
| 15 | Angle Of Attack Indicator |
| 16 | Outside Air Temperature |
| 17 | Clock |
| | |
| A | HUD Boxframe |
| B | HUD Screen |
| C | HUD Switch button |

Installation

In the following example the HUD shall be used for the standard B737-800 of the FSX.
To do so , just copy the GENHUD-Folder into the panel folder of the aircraft B737-800.
Copy also the two bmp-files :

HUD_body.bmp and
HUD_window_background.bmp
into the panel folder of the aircraft B737-800.

Panelconfiguration

Add the red marked entries into the B737-800 panel.cfg :

```
// Panel Configuration file
// Boeing 737-800
// Copyright (c) 1999-2003 Microsoft Corporation. All rights reserved.
```

```
[Window Titles]
window00=Main Panel
window01=Radio Stack
Window02=GPS
Window03=Throttle Panel
Window04=Overhead Panel
Window05=Trim Panel
Window06=PFD
Window07=MFD
Window08=EICAS
Window09=Mini Panel
```

```
window13=HUD
Window14=HUD_Window_Background
Window15=HUD_Body
```

```
[VIEWS]
VIEW_FORWARD_WINDOWS=MAIN_PANEL,GPS_PANEL,THROTTLE_PANEL,O
VERHEAD_PANEL
```

```
VIEW_FORWARD_DIR=-1.000, 0.000, 0.000
```

```
//-----
[Window00]
file_1024=737-800_panel_background.bmp
file_1024_night=737-800_panel_background_night.bmp
size_mm=1024
position=7
visible=1
```

ident=MAIN_PANEL

| | |
|------------------------------|-----------------|
| gauge00=B737_800!pfd_screen, | 189,548 |
| gauge01=B737_800!pfd, | 210,567,179,179 |
| gauge02=B737_800!mfd_screen, | 409,548 |
| gauge03=B737_800!mfd, | 430,567,179,179 |

.
.
.
.

----- etc. with the other standard gauges -----

gauge40=GENHUD!HUD_Switch, 767,385,20,20

[Window01]
size_mm=159,441
position=8
visible=0
BACKGROUND_COLOR=16,16,16
ident=RADIO_STACK_PANEL

| | |
|------------------------------|----------------|
| gauge00=737-400!Comm 1, | 0, 0,159, 68 |
| gauge01=737-400!Comm 2, | 0, 68,159, 68 |
| gauge02=737-400!Nav 1, | 0, 135,159, 68 |
| gauge03=737-400!Nav 2, | 0, 203,159, 68 |
| gauge04=737-400!Transponder, | 0, 271,159, 68 |
| gauge05=737-400!ADF, | 0, 340,159, 68 |
| gauge06=737-400!Audio, | 0, 409,159, 32 |

.
.
.
.

----- etc. with the other standard windows -----

----- HUD Windows -----

[Window13]
Background_color=0,0,0
size_mm=300,400
window_size_ratio=1
position=1
visible=0
ident=1021 // do not change this

gauge00=GENHUD!HUD, 47,45,240,260

```
[Window14]
file=HUD_WINDOW_Background.bmp
BACKGROUND_COLOR=0,0,0
visible=0
window_pos= 0.374, 0.032
window_size= 0.265, 0.378
alpha_blend=0.25
ident=1022                // do not change this
```

```
[Window15]
file=HUD_Body.bmp
BACKGROUND_COLOR=0,0,0
visible=0
window_pos= 0.374, 0.032
window_size= 0.265, 0.378
ident=1023                // do not change this
```

```
-----
[VCockpit01]
size_mm=1024,1024
pixel_size=1024,1024
texture=$737_1
background_color=23,17,52
```

----- etc. with the other standard gauges -----

```
[Default View]
X=0
Y=0
SIZE_X=8192
SIZE_Y=3600
```

```
[Color]
Day=255,255,255
Night=255,255,255
```

Operation

The HUD can be turned ON/OFF with the HUD-Button on the main panel (see picture). The flight director symbol will be switched ON/OFF with the FD-Switch of the Aircraft, if a FD is available. The GS/LOC indicators are automatically displayed , as soon as the ILS frequency has been detected according to the selected frequency on the radio panel of the aircraft.