

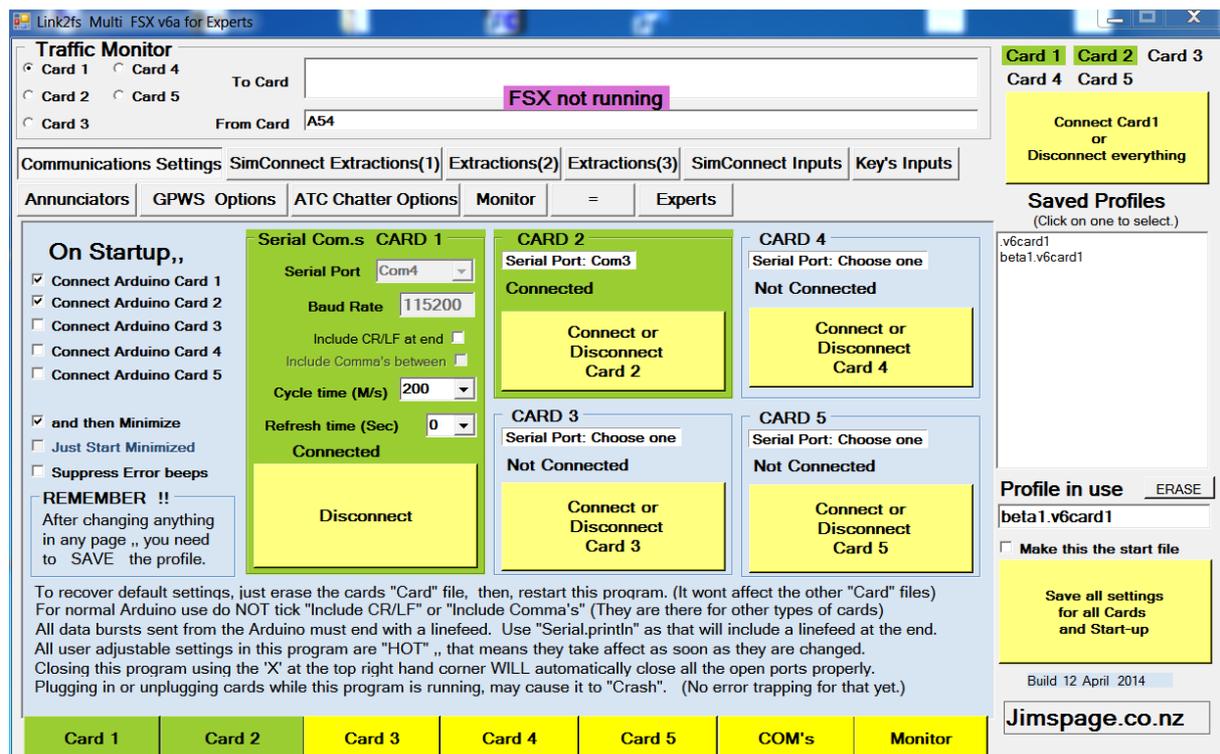
## Installation:

**Rückseite öffnen und TFT 17" einbauen mit verlegtem Flachbandkabel für die verschiedenen Panels. ( Flachbandkabel etwa mittig unten zwischen TFT und Homecockpit entlangführen )  
Sollte der TFT rutschen bitte doppelseitiges Klebeband am Rahmen benutzen.**

- Cockpit anschließen, Strom - VGA – USB´s , Gear-Schalter befestigen (Transport-Sicherung)
- NGH downloaden unter [www.homecockpit.de](http://www.homecockpit.de)
- entpacken, Passwort wenn benötigt: **Mescal278**
- Eigenschaften jeweils konfigurieren: **Bits pro Sekunde 115200**
- Ihre COM\_\_\_\_\_ (bitte eintragen und merken) CARD1
- Ihre COM\_\_\_\_\_ (bitte eintragen und merken) CARD2
- Treiber automatisch erkennen lassen, oder aus Internet Treiber CH340 (wenn benötigt) downloaden und installieren
- Link2FS unter [http://www.jimspage.co.nz/link2fs\\_multi\\_fsx\\_v5h.zip](http://www.jimspage.co.nz/link2fs_multi_fsx_v5h.zip) downloaden und installieren
- **NGH Cockpit Panel downloaden und überschreiben** \*:\Microsoft Games\Microsoft Flight Simulator X\SimObjects\Airplanes\\*\*\*Flugzeuge\*\*\*
- Link2FS starten
- Card1 Com von Panel auswählen
- Button " Experts" drücken
- Button " Simconnect Inputs " drücken
- Bei y10 = GYRO\_DRIFT\_INC und bei Y11 = GYRO\_DRIFT\_DEC eintippen
- Button „ Save all settings for all Cards and Start-up“ drücken

## Start:

1. Flugsimulator **FSX** starten bis Auswahl Bildschirm erscheint.
  2. Freeware **LINK2FS** konfiguriert starten
  3. **Flugzeug wählen**
  4. Mit Taste **F9** und **F10** angepasstes Panel anzeigen lassen, Rechtsklick "**Undock Window**"
  5. Panel mit Maus auf Cockpit verschieben, an Ecken Größe anpassen.
- Wie auf Bildern **Haken** setzen bei **CARD1** und **CARD2**
  - Achten Sie sehr genau auf die Titelleisten der Bilder ( **CARD1** oder **CARD2** )



Link2fs Multi FSX v6a for Experts

**Traffic Monitor**  
 Card 1 Card 2 Card 3  
 Card 4 Card 5  
 To Card **FSX not running**  
 From Card  
 From Card

Communications Settings | **SimConnect Extractions(1)** | Extractions(2) | Extractions(3) | SimConnect Inputs | Key's Inputs

Annunciators | GPWS Options | ATC Chatter Options | Monitor | = | Experts

Nav/Com Radios	Autopilot	Indications
<input checked="" type="checkbox"/> =A Com1 frequency	<input checked="" type="checkbox"/> =a AP (Autopilot) active	<input type="checkbox"/> <A Gear nose <input type="checkbox"/> In Detail
<input checked="" type="checkbox"/> =B Com1 s/b frequency	<input checked="" type="checkbox"/> =b AP altitude set	<input type="checkbox"/> <B Gear left <input type="checkbox"/> In Detail
<input checked="" type="checkbox"/> =C Com2 frequency	<input checked="" type="checkbox"/> =c AP vertical speed set	<input type="checkbox"/> <C Gear right <input type="checkbox"/> In Detail
<input checked="" type="checkbox"/> =D Com2 s/b frequency	<input type="checkbox"/> =d AP heading set	<input type="checkbox"/> <D Altitude
<input checked="" type="checkbox"/> =E Nav1 Frequency	<input type="checkbox"/> =e AP course (CRS) set	<input type="checkbox"/> <E Ground clearance
<input checked="" type="checkbox"/> =F Nav1 s/b Frequency	<input type="checkbox"/> =f AP speed set knots	<input type="checkbox"/> <F G Force
<input checked="" type="checkbox"/> =G Nav2 Frequency	<input type="checkbox"/> =g AP speed set mach	<input type="checkbox"/> <G Flaps position <input type="checkbox"/> In %
<input checked="" type="checkbox"/> =H Nav2 s/b frequency	<input type="checkbox"/> =h AP mach active	<input type="checkbox"/> <H Trim position
<input checked="" type="checkbox"/> =I ADF1 frequency	<input type="checkbox"/> =i AP Current Mach	<input type="checkbox"/> <I Plane on ground
<input checked="" type="checkbox"/> =J Transponder code	<input type="checkbox"/> =j AP Heading lock active	<input type="checkbox"/> <J Heading
<input checked="" type="checkbox"/> =K DME1 N.miles	<input type="checkbox"/> =k AP Altitude lock active	<input type="checkbox"/> <K Angle of attack
<input checked="" type="checkbox"/> =L DME2 N.miles	<input type="checkbox"/> =l AP GPS drives Nav1	<input type="checkbox"/> <L Vertical speed
<input checked="" type="checkbox"/> =M Com1 sound active	<input type="checkbox"/> =m AP Approach hold active	<input type="checkbox"/> <M Total Fuel %
<input checked="" type="checkbox"/> =N Com2 sound active	<input type="checkbox"/> =n AP Backcourse active	<input type="checkbox"/> <N Turn Co-ordination ball
<input checked="" type="checkbox"/> =O Com all sound active	<input type="checkbox"/> =o AP Nav1 lock active	<input type="checkbox"/> <O Ground speed
<input checked="" type="checkbox"/> =P Nav1 sound active	<input type="checkbox"/> =p AP Wind leveler active	<input type="checkbox"/> <P Airspeed indicated
<input checked="" type="checkbox"/> =Q Nav2 sound active	<input type="checkbox"/> =q AP Flight director active	<input type="checkbox"/> <Q Pitch
<input checked="" type="checkbox"/> =R DME sound active	<input type="checkbox"/> =r AP Glideslope hold active	<input type="checkbox"/> <R Roll
<input checked="" type="checkbox"/> =S ADF1 sound active	<input type="checkbox"/> =s AP Airspeed hold active	<input type="checkbox"/> <S Stall warning
<input checked="" type="checkbox"/> =T ADF2 sound active	<input type="checkbox"/> =t AP Autothrottle armed	<input type="checkbox"/> <T Engine 1 RPM
<input checked="" type="checkbox"/> =U Marker sound active	<input type="checkbox"/> =u AP Autothrottle active	<input type="checkbox"/> <U Engine 2 RPM
<input type="checkbox"/> =V Marker state(1=Out,2=Mid,3=In)	<input type="checkbox"/> =v AP Take-off power active	<input type="checkbox"/> <V Throttle 1 position
<input checked="" type="checkbox"/> =W DME selected	<input type="checkbox"/> =w HSI CDI needle position	<input type="checkbox"/> <W Throttle 2 position
<input checked="" type="checkbox"/> =X DME1 Speed Knots	<input type="checkbox"/> =x HSI GSI needle position	<input type="checkbox"/> <X Fuel left %
<input checked="" type="checkbox"/> =Y DME2 Speed. Knots	<input type="checkbox"/> =y HSI flaa(0=off,1=to,2=from)	<input type="checkbox"/> <Y Fuel centre %
<input checked="" type="checkbox"/> =Z ADF2 frequency	<input type="checkbox"/> =z HSI bearing valid	<input type="checkbox"/> <Z Fuel right %

More Radio stuff in "Other" Tick what you want to be sent to the Arduino Card.

Card 1 Card 2 Card 3 Card 4 Card 5 COM's Monitor

Card 1 Card 2 Card 3  
 Card 4 Card 5  
 Connect Card 1 or Disconnect everything

Saved Profiles  
 (Click on one to select.)  
 v6card1  
 beta1.v6card1

Profile in use **beta1.v6card1** ERASE

Save all settings for all Cards and Start-up

Build 12 April 2014

Jimspage.co.nz

Arduino Card 2

Settings | **Extractions(1)** | Extractions(2) | Extractions(3) | Input Testing | Key's | Annunciators | Experts

Nav/Com Radios	Autopilot	Indications
<input type="checkbox"/> =A Com1 frequency	<input type="checkbox"/> =a AP (Autopilot) active	<input checked="" type="checkbox"/> <A Gear nose <input checked="" type="checkbox"/> In Detail
<input type="checkbox"/> =B Com1 s/b frequency	<input type="checkbox"/> =b AP altitude set	<input checked="" type="checkbox"/> <B Gear left <input checked="" type="checkbox"/> In Detail
<input type="checkbox"/> =C Com2 frequency	<input type="checkbox"/> =c AP vertical speed set	<input checked="" type="checkbox"/> <C Gear right <input checked="" type="checkbox"/> In Detail
<input type="checkbox"/> =D Com2 s/b frequency	<input type="checkbox"/> =d AP heading set	<input type="checkbox"/> <D Altitude
<input type="checkbox"/> =E Nav1 Frequency	<input type="checkbox"/> =e AP course (CRS) set	<input type="checkbox"/> <E Ground clearance
<input type="checkbox"/> =F Nav1 s/b Frequency	<input type="checkbox"/> =f AP speed set knots	<input type="checkbox"/> <F G Force
<input type="checkbox"/> =G Nav2 Frequency	<input type="checkbox"/> =g AP speed set mach	<input checked="" type="checkbox"/> <G Flaps position
<input type="checkbox"/> =H Nav2 s/b frequency	<input type="checkbox"/> =h AP mach active	<input type="checkbox"/> <H Trim position
<input type="checkbox"/> =I ADF1 frequency	<input type="checkbox"/> =i AP Current Mach	<input type="checkbox"/> <I Plane on ground
<input type="checkbox"/> =J Transponder code	<input type="checkbox"/> =j AP Heading lock active	<input checked="" type="checkbox"/> <J Heading
<input type="checkbox"/> =K DME1 N.miles	<input type="checkbox"/> =k AP Altitude lock active	<input type="checkbox"/> <K Angle of attack
<input type="checkbox"/> =L DME2 N.miles	<input type="checkbox"/> =l AP GPS drives Nav1	<input type="checkbox"/> <L Vertical speed
<input type="checkbox"/> =M Com1 sound active	<input type="checkbox"/> =m AP Approach hold active	<input checked="" type="checkbox"/> <M Total Fuel %
<input type="checkbox"/> =N Com2 sound active	<input type="checkbox"/> =n AP Backcourse active	<input type="checkbox"/> <N Turn Co-ordination ball
<input type="checkbox"/> =O Com all sound active	<input type="checkbox"/> =o AP Nav1 lock active	<input type="checkbox"/> <O Ground speed
<input type="checkbox"/> =P Nav1 sound active	<input type="checkbox"/> =p AP Wind leveler active	<input type="checkbox"/> <P Airspeed indicated
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<input type="checkbox"/> =R DME sound active	<input type="checkbox"/> =r AP Glideslope hold active	<input type="checkbox"/> <R Roll
<input type="checkbox"/> =S ADF1 sound active	<input type="checkbox"/> =s AP Airspeed hold active	<input checked="" type="checkbox"/> <S Stall warning
<input type="checkbox"/> =T ADF2 sound active	<input type="checkbox"/> =t AP Autothrottle armed	<input type="checkbox"/> <T Engine 1 RPM
<input type="checkbox"/> =U Marker sound active	<input type="checkbox"/> =u AP Autothrottle active	<input type="checkbox"/> <U Engine 2 RPM
<input checked="" type="checkbox"/> =V Marker state(1=Out,2=Mid,3=In)	<input type="checkbox"/> =v AP Take-off power active	<input type="checkbox"/> <V Throttle 1 position
<input type="checkbox"/> =W DME selected	<input type="checkbox"/> =w HSI CDI needle position	<input type="checkbox"/> <W Throttle 2 position
<input type="checkbox"/> =X DME1 Speed Knots	<input type="checkbox"/> =x HSI GSI needle position	<input checked="" type="checkbox"/> <X Fuel left %
<input type="checkbox"/> =Y DME2 Speed. Knots	<input checked="" type="checkbox"/> =y HSI flaa(0=off,1=to,2=from)	<input type="checkbox"/> <Y Fuel centre %
<input type="checkbox"/> =Z ADF2 frequency	<input type="checkbox"/> =z HSI Bearing Valid	<input checked="" type="checkbox"/> <Z Fuel right %

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Systems1	Systems2	Other
<input checked="" type="checkbox"/> <a Electrical master switch	<input checked="" type="checkbox"/> ?A Overspeed warning	<input type="checkbox"/> ?a Number of engines
<input checked="" type="checkbox"/> <b Pitot heat on	<input type="checkbox"/> ?B Fire engine No. 1	<input type="checkbox"/> ?b Is gear retractable
<input checked="" type="checkbox"/> <c De-icing on	<input type="checkbox"/> ?C Fire engine No. 2	<input type="checkbox"/> ?c Ambient temperature. C
<input type="checkbox"/> <d No smoking light on	+010 <input type="checkbox"/> ?D Longitudinal wind speed	100939 <input type="checkbox"/> ?d Local FSX time. hhmmss
<input type="checkbox"/> <e Seatbelt sign on	04.2 <input type="checkbox"/> ?E Vacuum Ha	bet <input type="checkbox"/> ?e Profile in use (first 3 letters)
1111111111 <input checked="" type="checkbox"/> <f Lights on state. 10 of them	1 <input checked="" type="checkbox"/> ?F Master battery switch	0 <input type="checkbox"/> ?f Sim is paused
<input checked="" type="checkbox"/> <a Avionics master switch on	0 <input checked="" type="checkbox"/> ?G Fuel pump No 1	000 <input type="checkbox"/> ?a Hydraulic pressure sys's (3)
n. def. <input type="checkbox"/> <h Spoilers position %	0 <input type="checkbox"/> ?H Fuel pump No 2	0 <input type="checkbox"/> ?h Prop svnc active
<input type="checkbox"/> <i Spoilers armed	24.0 <input type="checkbox"/> ?I Battery voltage	0101 <input type="checkbox"/> ?i Fuel tanks selected (1,2)
000 <input type="checkbox"/> <i Spoilers handle position	+000 <input type="checkbox"/> ?J Battery amps	0 <input type="checkbox"/> ?i Fuel crossfeed
0 <input checked="" type="checkbox"/> <k Starter engine No. 1 position	28.0 <input checked="" type="checkbox"/> ?K Main bus voltage	29.98 <input checked="" type="checkbox"/> ?k Kohlsman setting Hg
0 <input type="checkbox"/> <l Starter engine No. 2 position	34 <input type="checkbox"/> ?L Main bus amps	34.0 <input checked="" type="checkbox"/> ?l Alt/Gen 1 amps
009 <input type="checkbox"/> <m Propeller No.1 control position	152 <input type="checkbox"/> ?M Exhaust gas temp Eng1 C	00.0 <input type="checkbox"/> ?m Alt/Gen 2 amps
000 <input type="checkbox"/> <n Propeller No. 2 control position	-273 <input type="checkbox"/> ?N Exhaust gas temp Eng2 C	090 <input checked="" type="checkbox"/> ?n ADF1 Bearing indicator
080 <input type="checkbox"/> <o Mixture control No.1 position	037 <input type="checkbox"/> ?O Eng oil temp Eng1 C	090 <input type="checkbox"/> ?o ADF2 Bearing indicator
000 <input type="checkbox"/> <b Mixture control No. 2 position	-273 <input type="checkbox"/> ?P Eng oil temp Eng 2 C	000 <input checked="" type="checkbox"/> ?p Nav1 Bearing indicator
<input checked="" type="checkbox"/> <a Park brake position	02.5 <input type="checkbox"/> ?Q Manifold press. Eng1 PSI	000 <input checked="" type="checkbox"/> ?a Nav2 Bearing indicator
<input type="checkbox"/> <r Jet Engine No. 1 fuel valve	00.0 <input type="checkbox"/> ?R Manifold press. Eng2 PSI	341 <input checked="" type="checkbox"/> ?r Nav2 OBS
<input type="checkbox"/> <s Jet Engine No. 2 fuel valve	045 <input type="checkbox"/> ?S Cylinder head temp Eng1 C	10 <input checked="" type="checkbox"/> ?s Master Alternator (eng1. 2)
20 <input type="checkbox"/> <t Oil pressure Eng1 PSI	000 <input type="checkbox"/> ?T Cylinder head temp Eng2 C	000 <input type="checkbox"/> ?t ADF Card (background)
00 <input type="checkbox"/> <u Oil pressure Eng2 PSI	28.0 <input checked="" type="checkbox"/> ?U Avionics bus voltage	00 <input type="checkbox"/> ?u Nav1 flag, Nav2 flag(toFrm)
000 <input type="checkbox"/> <v Door open	0000.3 <input type="checkbox"/> ?V Fuel flow GPH Eng 1	+051.12833 <input type="checkbox"/> ?v Latitude
05 <input checked="" type="checkbox"/> <w Fuel pressure engine No. 1	0000.0 <input type="checkbox"/> ?W Fuel flow GPH Eng 2	-114.01220 <input type="checkbox"/> ?w Longitude
00 <input type="checkbox"/> <x Fuel pressure engine No. 2	000 <input type="checkbox"/> ?X Flaps handle %	+000.0 <input type="checkbox"/> ?x Acceleration body X
28 <input checked="" type="checkbox"/> <v Volts engine No. 1 generator	000 <input type="checkbox"/> ?Y Gear position (Simple)	+000.0 <input type="checkbox"/> ?v Acceleration body Y
24 <input type="checkbox"/> <z Volts engine no. 2 generator	+000 <input type="checkbox"/> ?Z Rudder Trim %	+000.0 <input type="checkbox"/> ?z Acceleration body Z

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**Annunciators Active** Alarms are sent out on a change of state and with a "refresh" cycle of (Seconds).

- Master Warning is active then send /A1**
- Overspeed Flaps at  then send /B1
- Overspeed Gear at  then send /C1
- Overspeed Frame at  then send /D1
- Airspeed Stall under  then send /E1
- Eng1 Oil Pressure under  then send /F1**
- Eng2 Oil Pressure under  then send /G1
- Fuel Total quantity under  then send /H1
- Fuel Center Tank below  then send /I1
- Fuel Left Tank under  then send /J1
- Fuel Right Tank under  then send /K1
- Eng1 Fuel Pressure under  then send /L1
- Eng2 Fuel Pressure under  then send /M1
- Vacuum Suction under  then send /N1
- Door Open and Speed above  then send /O1
- Main Bus Volts under  then send /P1
- Battery Volts less than  then send /Q1
- Battery Amps less than "0" (Discharging) then send /R1
- FSX default stall alarm active then send /S1
- Avionics buss volts low or off, then send /T1
- FSX default overspeed alarm active then send /U1
- Alternator / generator 1 not charging then send /V1
- Alternator / generator 2 not charging then send /W1
- Left Bleed Air below  SI send /X1
- Right Bleed Air below  SI send /Y1
- Cabin Differential more than  SI send /Z1
- Cabin Altitude more than  10 feet send /a1
- Exhaust Gas temp Eng1 above  end /b1
- Exhaust Gas temp Eng2 above  end /c1
- Cylinder Head Temp eng1 above  send /d1
- Cylinder Head Temp eng2 above  send /e1
- Fire Engine 1 send /f1
- Fire Engine 2 send /g1
- Fire APU send /h1

When the Alarm is activated the indicated code is shown. When it disappears, the "1" would be a "0"

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Für Xplane benötigen Sie Mobiflight. Mobiflight funktioniert mit meinen Produkten, ist aber noch nicht ganz ausgereift. Sobald alles funktioniert gebe ich eine Nachricht auf der Homepage aus. Decals und die Pin-Belegung für Mobiflight sowie die Firmware Versionen zum wiederherstellen sind unter [www.homecockpit.de/download](http://www.homecockpit.de/download) vorhanden.

Viel Freude mit meinen Produkten!

Tuanja Sornthao

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