

# 4 Point Harness Assembly, Adjustment And Use



Assembly instruction manuals available at:

V5.1 121322 <https://simfab.com/webmanuals.html> by **SimFab<sup>®</sup>**

# WARNINGS:



Proceed with caution and extra attention when warning signs are present during installation instructions manual.



## **SimFab Modular Flight Simulation Concept And Design Intent**

If your item is damaged, defective or missing parts, please contact us first directly at Email: [info@SimFab.com](mailto:info@SimFab.com) or Toll Free: **1-888-299-2746**

As the manufacturer, our knowledge of your new product ensures that we will be able to assist you promptly and accurately.

For invoices and other price information, please refer to your market place account for more details. Alternatively, you can always email us at [info@SimFab.com](mailto:info@SimFab.com)

SimFab offers wide range of dedicated and specialized flight simulation pits with high level of fidelity, realism and immersion. While all our pits, attachments and brackets are designed, replicating real aircrafts layout we take in consideration maximum comfort, modularity and full compatibility with all established brands and controls makers on the current market.

SimFab modular flight pit concept starts with several basic models covering the essentials at most affordable budget, without compromising in quality and craftsmanship.

Base models are suitable for flight sim pilots entering the air field of flight simulation and looking to give it a try at affordable cost. Each of our models has modular design, all upgradeable and interchangeable with one another, including sim racing setup.

Our base models are purposed for type of flight simulation as well as types of flight controls sharing similar attachment design.

SimFab introduces three base models as follows:

Civil aviation modular pit, **MSFS edition**.

Civil, combat and space sim modular pit, **hybrid edition**.

Combat sim modular flight pit, **DCS World edition**



**DCS edition**



**Hybrid edition**

For compatibility refer to flight sim add-on kit configuration #2

For compatibility refer to flight sim add-on kit configuration #1

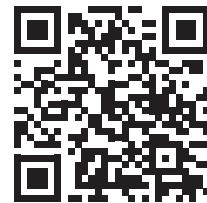


**MSFS edition**

For compatibility refer to flight sim add-on kit configuration #5



SCAN TO ORDER

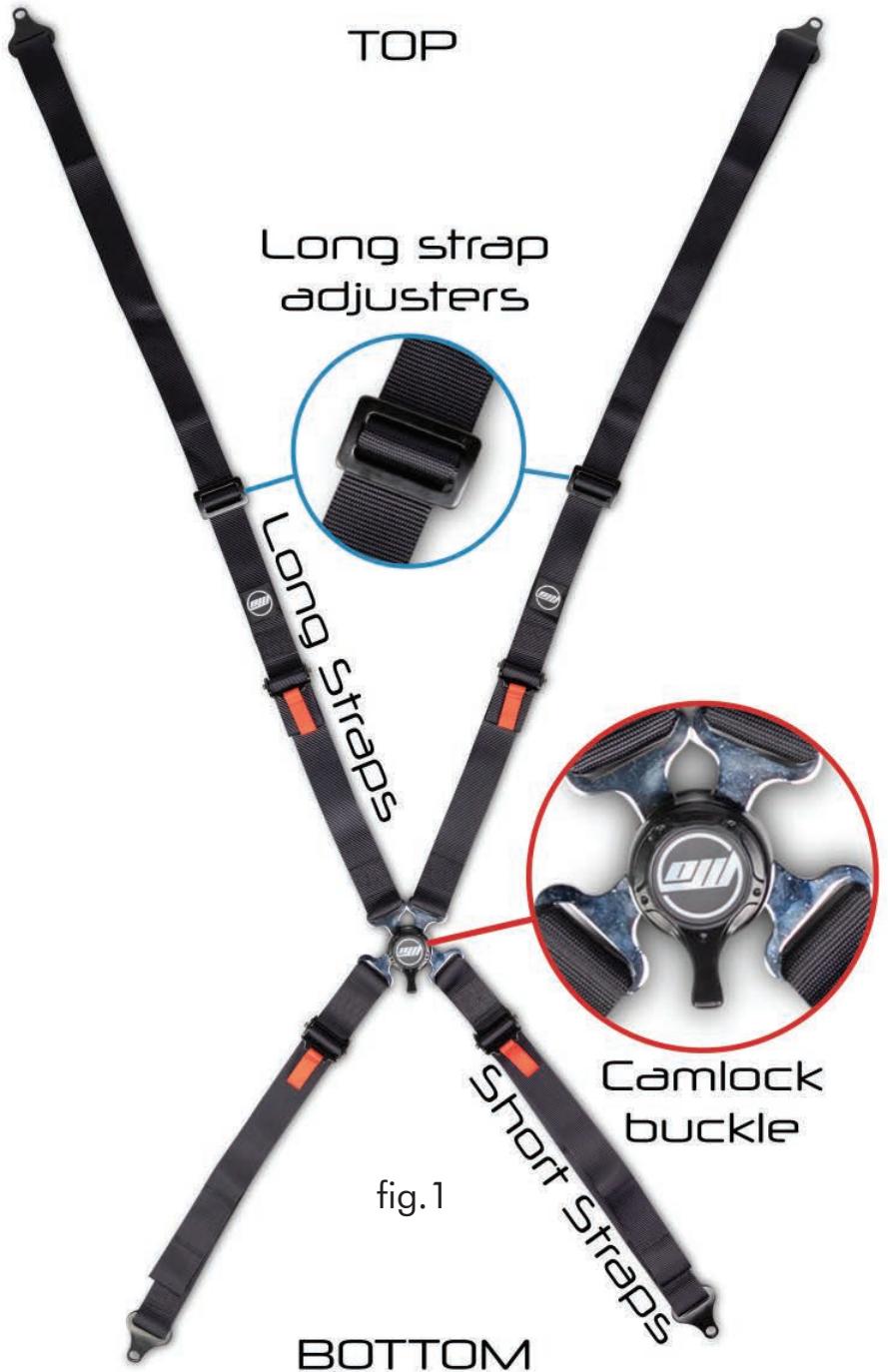


<https://bit.ly/dd-conversionkit>

**DD sim racing conversion kit**

**Convert your flight sim pit to sim racing setup  
and hot swap between each setup in seconds**

1. Lay down all 4 straps as shown below





Camlock

lever

fig.2



2. Pull red strings to release straps. Pull black strap ends to fasten straps.

Push three ends into buckle without using the buckle lever. Camlock buckle lever is used only to release buckle anchors.

3. Adjust longer straps to equal length with permanent adjusters. Adjust shorter straps to equal length with the quick release fasteners.
4. Run longer straps through backrest holes and shorter straps between backrest, and seat base as shown



fig.5

5. Insert mounting bolt through anchor ends in the order as shown.



fig.6



fig.7

6. Mount bolt to welded nut in center of rear frame tube. Hand tight bolt, leaving each anchor moving freely.



7. Readjust permanent adjusters on long straps if necessary.



8. After harness is being installed, camlock buckle lever should point downwards. To buckle up, push three ends into the buckle holes.



8. Use camlock quick release lever to release all straps at once.



# Accessories

8. Optional, use cushion pads to cover upper straps.

9. Buckle up, strap on and enjoy the race! OpenWheeler harness is intended for gaming cockpit or off road use only!



fig.13

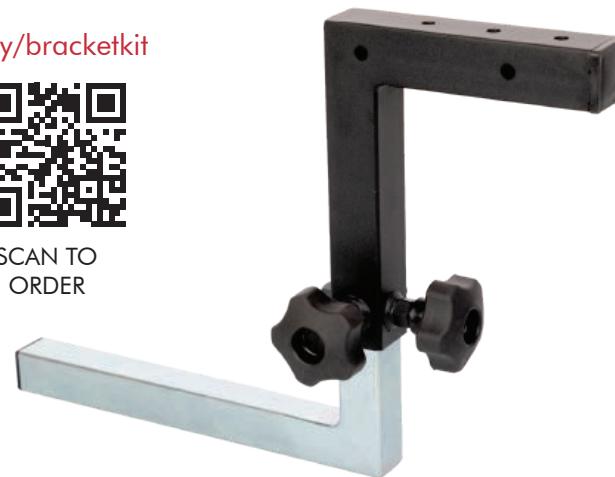
## Universal Side Mount Bracket Kit

For Manual Shifter for OpenWheeler 2nd and 3rd Generation Cockpits

[bit.ly/bracketkit](http://bit.ly/bracketkit)



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## Keyboard tray kit

Keyboard tray kit with articulating arm" Arm can be installed on either left or right hand side. Full articulation for ease of use and optimal arm reach



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ORDER  
[bit.ly/bracketkit](http://bit.ly/bracketkit)

## **Monitor / TV Stands**

Single monitor mount stand with VESA bracket up to 100x100mm and hardware M4/M5

### **SimFab Single Monitor Stand LD**

<https://bit.ly/simfabsmld>



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### **SimFab Single Monitor Stand HD**

<https://bit.ly/simfabsmhd>



SCAN TO ORDER

Triple monitor mount stand with VESA bracket up to 100x100mm and hardware M4/M5

### **SimFab Triple Monitor Stand LD Gen2**

<https://bit.ly/simfabtmld>



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### **SimFab Triple Monitor Stand HD**

<https://bit.ly/simfabtmhd>

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## **Flight sim Add-on configuration #1, combat or commercial aviation flight sim HOTAS style, side by side mounted throttle and stick.**

Brackets and adapter plates are compatible with the following brands and models flight sim controls:

1. Thrustmaster HOTAS T.Flight stick and throttle
2. Thrustmaster T16000M stick and throttle
3. Thrustmaster TCA Airbus
3. Logitech/Saitek X52, X52 Pro, X56
4. VKB Gladiator Stick
5. CH Products stick and throttle
6. Hori stick and throttle

### **SimFab**

Flight Sim Configuration  
#1 HOTAS Hybrid



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<https://bit.ly/simfabhybrid>



## Flight Sim add-on configuration #2, combat aviation flight sim HOTAS style, side by side mounted throttle and stick.

Brackets and adapter plates are compatible with the following brands and models flight sim controls:

1. Thrustmaster Warthog stick and throttle
2. VirPil Sticks, throttles, control panels
3. VKB Gunfighter stick
4. WinWing stick bases and Orion throttle



**SimFab**  
Flight Sim Flight Sim  
Configuration #2  
HOTAS Side-by-Side  
Mount



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<https://bit.ly/simfabhotas>

## Flight Sim add-on configuration #6, centered flight stick lower mount bracket.

Configuration #6 is a specially designed bracket for flight sticks with need of precise and long range of height adjustment. Lower mount bracket provides lowest height level of adjustment of stick base to accommodate flight sticks typically within configuration #2 with removable grips, where grip extension is added between standard grip and stick base. Major benefits are precise height placement of stick grip in accordance with various grip extensions for better stick control or when grip is used as helicopter simulation cyclic. Lower mount bracket can be used whether stick grip is used with extension or without.

**⚠️** Kit does not include adapter plates. Adapter plates are included in Configurations #1 and #2

Typically used (not limited to) with following flight sticks:

1. Thrustmaster Warthog stick
2. VirPil Sticks
3. VKB Gunfighter stick
4. WinWing Super Libra Stick

**SimFab**

Flight Sim Configuration  
#6 Centered Stick,  
Lower Mount Bracket  
<https://bit.ly/simfablowerstick>



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## Flight Sim add-on configuration #7, flight stick grip extension kit.

Proprietary design grip extension kit offering full range of grip extension from 2.75" (70mm) short to 7.5" (190mm) long. Package includes adapters, extensions, extension cables and all hardware, ready to use right out the box. All anodized and machined billet aluminum for light, and yet strongest material.

Grip extension is compatible with the following stick grips:

1. All Thrustmaster Warthog based grips
2. VirPil stick grips
3. WinWing stick grips



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**Total of 70mm to 190mm (2<sup>3/4</sup> - 7<sup>1/2</sup> in.) grip extension  
all in one kit**

## Flight Sim #11 Helicopter Collective Bracket Kit



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[bit.ly/hellicollective](http://bit.ly/hellicollective)

## **Seat Frame Rear Support Kit**

Extensions come handy when racing seat is used as a stand alone gaming chair, without front chassis, adds stability when reclined all the way back.



**SimFab**  
Seat Frame Rear Support Kit



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<https://bit.ly/simfabsrsupport>



**SimFab GEN3**  
Racing Cockpit



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<https://bit.ly/simfabgen3>

## **Seat Lift Kit (seat spacers)**

**SimFab** seat lift kit  
add-on



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<https://bit.ly/simfabslkit>

- Optional spacers raising seat with 5 in.
- Pre-cut at 5 degrees tilt for optimum comfort.



Racing Seat Cover (Seat Upholstery Protector)



SimFab  
Racing Seat Cover



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<https://bit.ly/simfabscover>



SimFab  
Armrest Kit



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<https://bit.ly/simfabarmrest>

## DD Conversion kit

Convert your Gen2 or Gen3 to DD chassis. Meant for direct drive wheels with high torque force feedback while keeping low overall cost of your modular and multipurpose sim rig. All Gen2 and Gen3 accessories and add-ons remain fully compatible.

SimFab DD  
Conversion Kit



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<https://bit.ly/simfabddkit>



**Neck support pillow in matching color.**



**SimFab**

Neck Pillow  
for Racing and Flight Sim Cockpits



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<https://bit.ly/simfabnpillow>



**Lumbar support pillow in matching color**



**SimFab**

Lumbar Pillow  
for Racing and Flight Sim Cockpits



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<https://bit.ly/simfablpillow>



**Low frequency tactile transducer (bass shaker) universal bracket**

Bring your racing sim experience to another level by adding a low frequency tactile transducer (bass shaker) to your SimFab rig. Bass shaker mount bracket is designed to provide universal fit for most bass shakers on the market such as all models ButtKicker, AuraSound or DaytonAudio or other brands.

Easy mount on either corner of seat frame.

Solid metal to metal connection for optimum vibration transfer.

Optional, install a pair of bass shakers for stereo effect on both sides of seat frame.

Optional, install shaker brackets at back of the frame. Install rolling wheels to shaker brackets.

**SimFab**

Universal Bracket  
for Bass Shaker (Single)



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<https://bit.ly/simfabshaker>



#### 4 Point Seat Harness



**SimFab**  
Racing and Flight  
Simulation Cockpit Four  
Point Harness



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<https://bit.ly/simfab4harness>



- Add immersion into the Virtual Reality
- Available in black, red, blue, orange, green, yellow and camo
- Easy release cam lock buckle
- Soft pads and mounting hardware included

#### Thrustmaster TSSH Sparco HandBrake Mode Mounting Bracket



**Dual Sparco Handbrake With Sequential  
Shifter Combo Mounting Plate**



## Mounting bracket kit for 14/64 bit USB generic handbrake

Generic handbrake is inexpensive handbrake offered by various vendors on Amazon.com or other marketplaces.

Handbrake and bracket work in combination with any major brand manual shifter: Logitech, Thrustmaster, Fanatec

 Bracket fits only the type handbrake as shown.



 Using seat lift kit in flight sim setup is highly recommended for optimum flight pit seating position.

### SimFab

DCS Flight Sim Modular Cockpit



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<https://bit.ly/simfabdcsc>



### SimFab

MSFS Flight Sim Modular Cockpit



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<https://bit.ly/simfabmsfs>

**Flight Sim add-on configuration #3, centered stick standard mount bracket. Requires either configuration #1 or Configuration #2.**

Centered stick standard mount bracket provides quick and convenient conversion from racing wheel to flight stick by sharing same steering post. While config. #3 can be used in combination with either config. #1 or #3 we recommend it for #1 where stick base height adjustment is not necessary below knee level.



Configuration #1 + #3  
Thrustmaster T.Flight



Configuration #3

**SimFab**  
Flight Sim Configuration  
#3 HOTAS Add-on Stick  
Center Bracket Kit



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<https://bit.ly/simfabhotascenterstick>



Configuration #2 + #3  
Thrustmaster Warthog

**Flight Sim add-on configuration #4, rudder pedals plate.**

Configuration #4 consists of dedicated rudder pedal plate and shaft connected to seat frame. Rudder pedals are optional for lower end flight sticks within configuration #1 family, with built in yaw movement by twisting flight stick grip. Rudder pedal plate is required with higher end flight controls within configuration #2 family where rudder pedals are used for yaw movement and ground braking. Rudder pedal plate is pre-drilled to accept all rudder pedals hard mounted. Included in the package is various mounting hardware compatible with the following rudder pedals:

1. Thrustmaster TFPY
2. Thrustmaster TPR
3. Logitech Pro Flight
4. CH Products
5. VirPil, MFG Crosswind
6. VKB
7. Slaw device

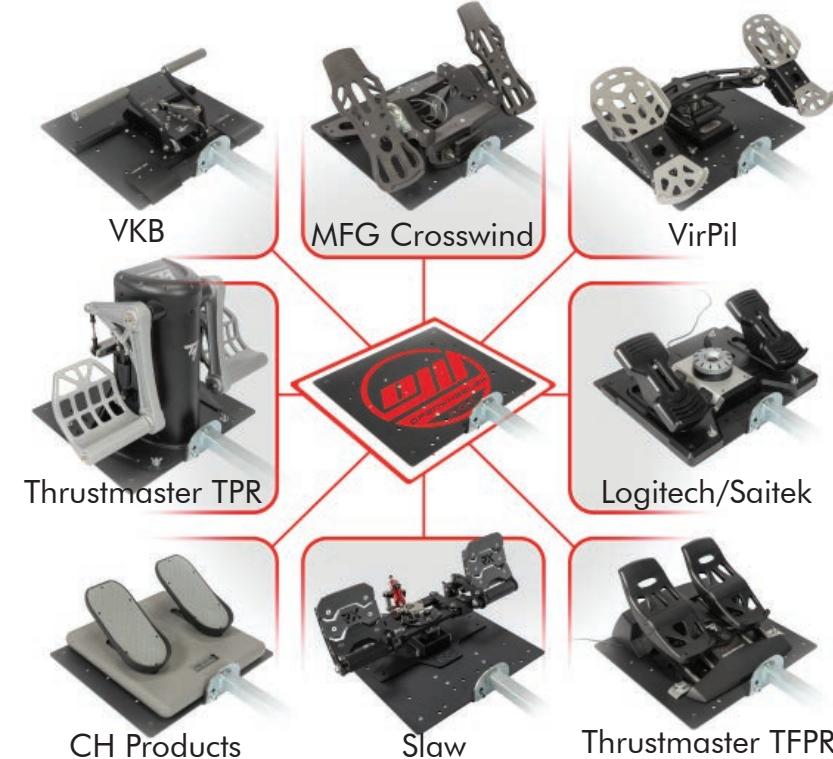
**SimFab**

Flight Sim Configuration  
#4 HOTAS Add-on  
Rudder Pedal Plate Kit



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<https://bit.ly/simfabrudderplate>



## Flight Sim add-on configuration #5, general, civil and commercial aviation simulation package.

Configuration #5 consists of rudder pedal plate (config. #4), mounting brackets and adapter plates for various yokes and throttle quadrants. Our proprietary design of how controls are being mounted unifies adapter plates for all leading brands yokes and throttle quadrants with maximum rigidity and leg clearance.

Configuration #5 is compatible with the following yokes and throttle quadrants:

1. Honeycomb Alpha yoke and Bravo throttle quadrant
  2. Turtle Beach Velocity One yoke and throttle quadrant
  3. Logitech/Saitek yoke and single/dual throttle quadrant with optional Flight Velocity Trim Wheel
  4. CH Products yoke and throttle quadrant

**⚠ Thrustmaster TCA yoke and single/dual quadrant Boeing edition requires separate kit.**

SimFab

# General & Commercial Aviation

<https://bit.ly/simfabcommers>



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## Regr Surround Speake

## Tray Kit



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<https://bit.ly/simfabrearspeake>



SimFab

# Keyboard and Mouse Tray Stand with Cup Holder



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<https://bit.ly/simfabkeyboard>



SimFak

## Sim Racing Pedal Plate Foot Rest



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<https://bit.ly/simfabfootres>



## Transition and hot swap between sim racing controls and flight sim controls.

Hot swap side controls when using flight sim configurations #1 by releasing quick connect knobs holding upper L bracket with each control permanently mounted on its designated upper L bracket.



Hot swap entire front chassis between sim racing and flight sim when using center mounted stick and rudder pedals plate



Featuring 49" single ultra wide monitor mount



Featuring 32" triple monitor mount with 4th 32" overhead data monitor



Featuring 65" triple TV setup, vertical mounted for helicopter flight simulation



## Specifications:

Recliner: max: 170 degrees

Construction: tubular steel frame with elastic strap supports

Seat Materials: high-density cold cure foam filling; Fabric, Steel chassis

## Instructions during use and care:

Move simulator around with caution to avoid collision.

Keep out of direct sunlight and outdoor use.

Watch fingers when adjusting recliner.

Placing heavy or sharp objects on the seat may damage the surface material.

Do not use abrasive or chemically aggressive materials on the seat.

Use dry cloth or soft brush to clean the chair.

## Dimensions:



## Warranty Information

### Return Policy

### Terms And Conditions

<http://homeracer.com/ow-termsandconditions.html>

