Flight Simulator Add-on Kit

Configuration #13

Advanced Modular Side Mount “AMSM13”



V2.1 082526

by SimFab®

WARNINGS:

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

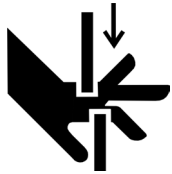
WARNING

Choking hazard, small parts. Not for children under 5 years old.



WARNING

Keep hands and fingers clear of pinching points, and hinging metal parts.



If your item is damaged, defective or missing parts, please contact us first directly at Email: 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

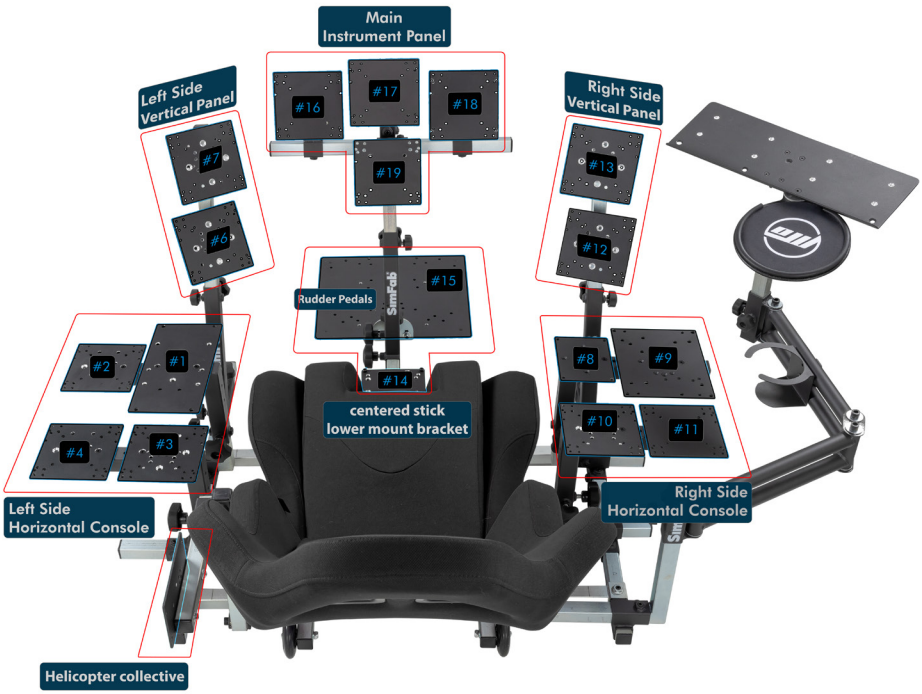
Table of Contents

SimFab Modular Flight Simulation Concept And Design 5

Parts list.....6
Installation, hardware pre-installation.....8
Controls installation to bracket.....12
Cable management and breaking apart cockpit for storage or moving it away.....15

Explore the Ultimate in Simulation with SimFab: Where Innovation Meets Immersion

At SimFab, we're redefining the world of simulation with our cutting-edge Modular Racing and Flight Sim Concepts and Designs.
Dive into an unparalleled realm of fidelity, realism, and immersion with our bespoke cockpits, meticulously crafted to mirror the intricate layouts of real aircraft and race cars.
We prioritize your comfort, offering modular, fully compatible setups that adapt seamlessly to all major brands and control makers. Starting with affordable yet uncompromised quality base models, our products cater to both novice pilots eager to explore flight simulation and seasoned racers seeking upgradeable, interchangeable designs for a tailored experience.
Join us on a journey where every detail is designed with precision, ensuring a simulation experience that's as thrilling as it is authentic.



Parts list

1. Side main rail (tube)

⚠ If upgrading from configuration #10A (side vertical panel) or #5 (general aviation, throttle quadrant assembly), the side main rail **replaces** the shorter side/straight tube included in either lower tier kits.

2. T-extension bar (2)

3. Lower L bracket

4. 4way coupler (2)

5. Upper L bracket

6. Large quick release knobs, mounts to pair of adjacent welded nuts on upper L bracket.

7. Universal adapter base plate (varies by choice)

8. Set screws (4)

9* Base plate hardware (varies by type of base plate selected), not illustrated.

Hardware for Plate J:

9A Base plate to upper L bracket:

M6, 50mm, countersunk head bolt (2)

M6 wide washer (2)

M6 tooth washer (2)

M6 nut (2)

9B Mounting hardware for Virpil control panels, and 1st gen throttles: M5, 14mm, countersunk head bolt (4)

9C Mounting hardware for Virpil CDT throttles: M5 wide washer (4)

9D Mounting hardware for WinCtrl URSA controls:

M5, 15mm, socket head bolt (4)

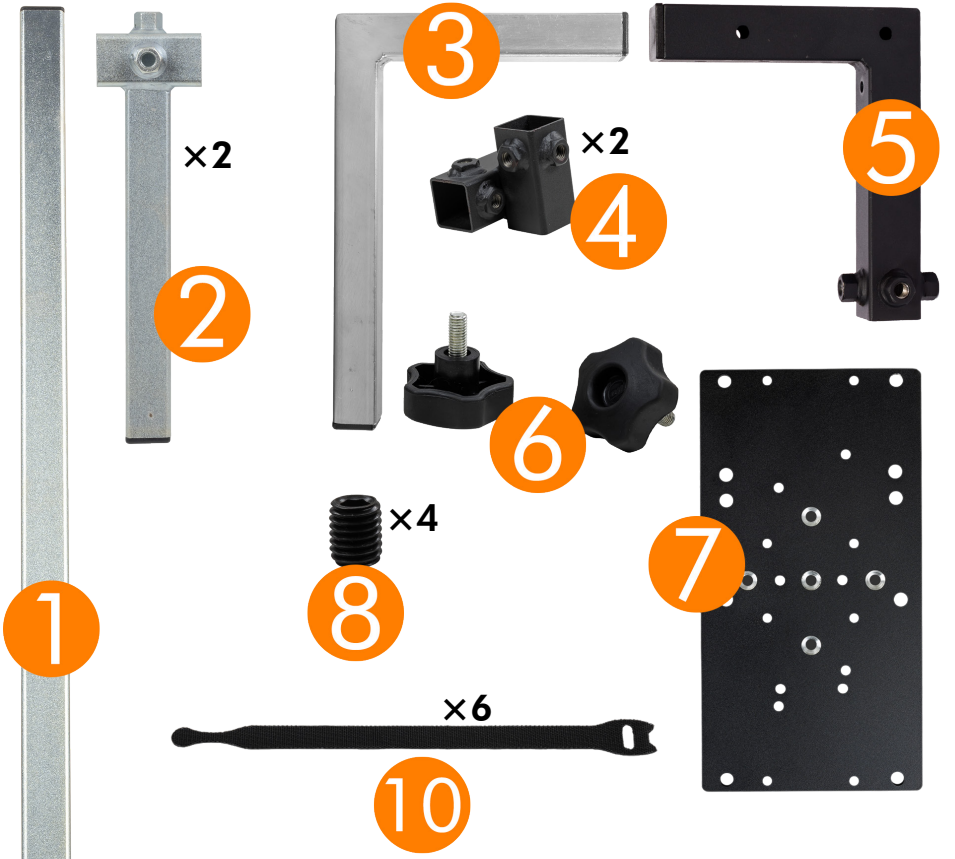
M5 wide washer (4)

9E Mounting hardware for VKB Gladiato EVO stick base:

M3, 12mm, socket head bolt (4)

M3 wide washer (4)

10. Cable management tie wraps (6)



Required tools included in base package SimFab cockpit, not included in this kit

10mm open wrench

8mm Allen key

5mm Allen key

4mm Allen key

3mm Allen key

2.5mm Allen key

Installation

Installation bellow shows left hand side installation. Right hand side is similar.





1. Hardware pre-intsallation by hand.

1.1. Pry out seat frame right side end caps. Rreplace bolts or set screws with optional small knobs located on top welded nuts.

⚠ Default set screws are pre-installed to each welded nut.



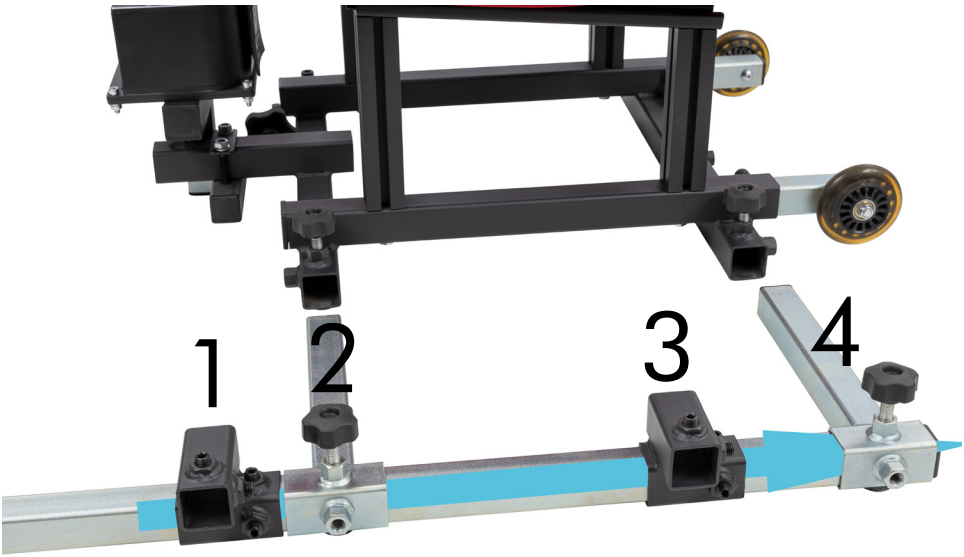
1.2. Use optional small knobs (not included in the kit) on T-extension tubes or default pre-installed set screws in T-extension tubes.



2. Slide parts to side rail in the following order:

1: T-extension, 2: 4way couple, 3: T-extension, 4: 4way coupler.

⚠ 4way couplers can be installed on the inside or outside of T extensions depending or personal preference and controls distance.



3. Installation and alignment of side rail assembly.

A. Slide T-extensions to seat frame.

B. Align side rail tube rear end cap with edge of rear T-extension. Adjust front 4way coupler next to front T-extension.

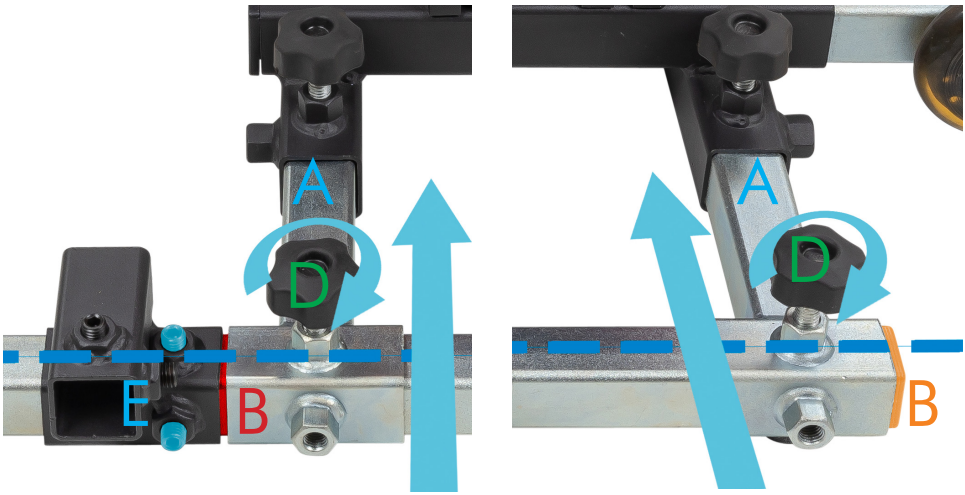
C. Measure equal distance at front and rear T-extensions and ensure parallel relation between side rail and seat frame.

D. Tighten down knobs on T-extensions to side rails.

E. Tighten down pair of set screws on front 4way coupler to side rail.

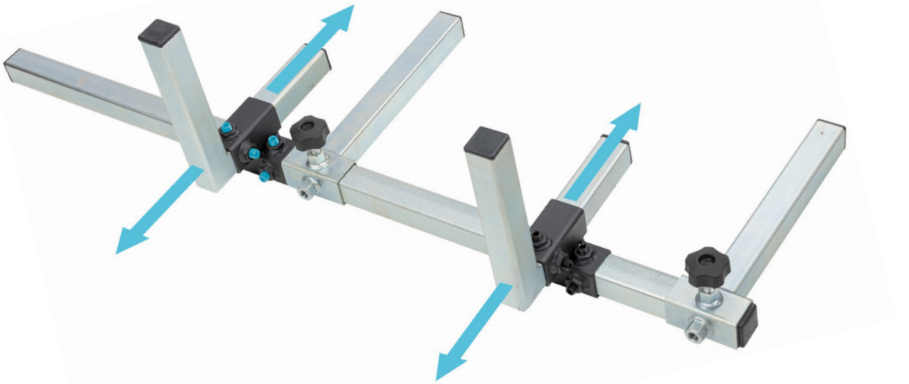
⚠ Leave all rest hardware loosen, detach side assembly from seat frame, and continue with assemblies on it.





4. Slide lower L brackets all the way into 4way couplers and tighten both pairs of set screws securing L brackets to couplers.

⚠ Lower L bracket can be install with horizontal arms pointing in or out in reference to seat. Depending on height adjustment either short or long arm can be installed vertically. Default option is shorter arm mounted horizontally, into 4way couplers and longer arm pointing up.





5. Install control to plate, plate to upper L bracket, upper L bracket to lower L bracket.

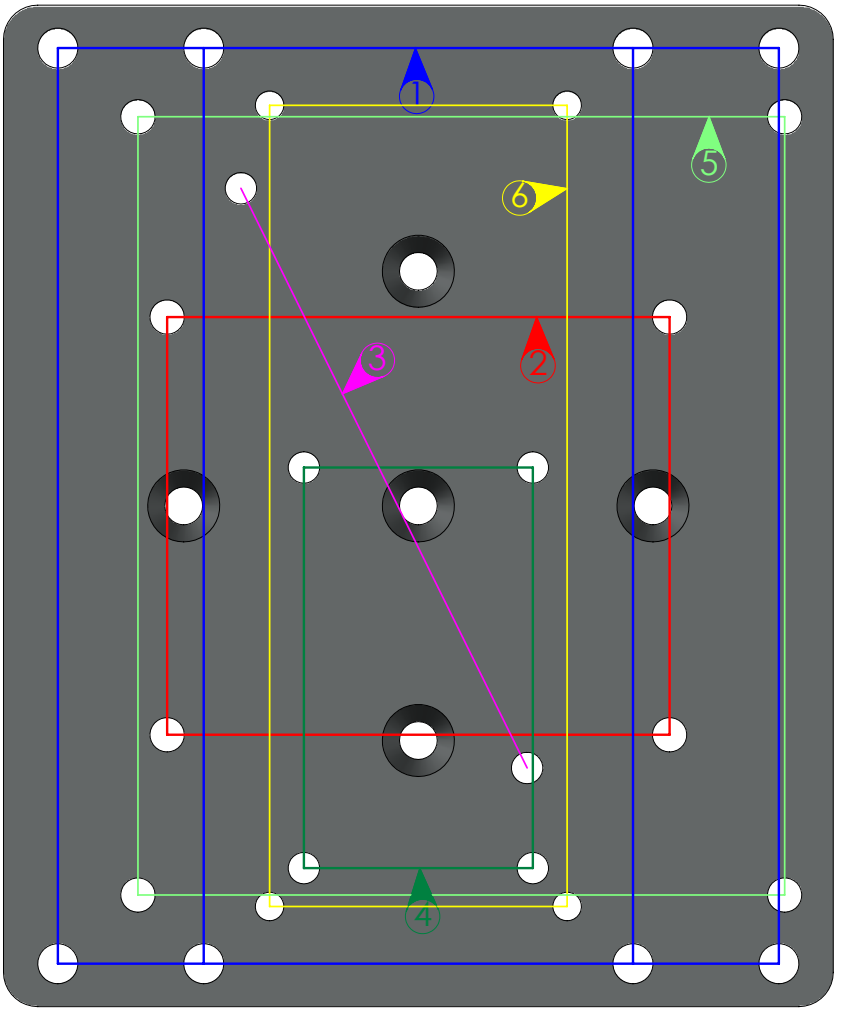
⚠ For VirPil controls, run pair of countersink bolts connecting plate to upper L bracket through pair of plate holes and then install control on top.

Mount front 4way coupler between T-extensions. Add 2nd knob to rear L bracket holding VirPil control panel. Adjust plates close to each other. Refer to assembly manual configuration #2 for mounting VirPil controls to plates.

⚠ Same rule of installation applies to every other brand and model control unit.

Controls mount pattern:

Universal base plate, type J



1. Virpil
2. VKB EVO
3. Winwing Ursa
4. Virpil - old
5. WINCTRL 32 AGP Metal
6. WINWING 32 ECAM Panel

6. Install Stick with its dedicated adapter plate and upper L bracket to front lower L bracket. Make final adjustments, ensure all hardware and knobs are tight. Enjoy your air battle!



7. Use included Velcro tie wraps to manage cables neatly around tubes and out of the way.



8. To break down, store away or move your SimFab flight pit, disconnect each peripheral modules/attached brackets at easiest breaking points as shown.

