Force2Motion F2MBT1 Adapter Platform for Sim Racing Instruction Manual

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Force2Motion F2MBT1 Adapter Platform for Sim Racing

Installation

The Qubic BT1 Seat-Belt-Tensioner cannot be combined directly with a Next-Level-Racing Motion platform, as no bracket is provided as standard. Installation on an aluminium profile cockpit in combination with a seat that extends far back, such as the NLR ES1, also causes problems. The belt is not guided vertically and therefore rubs against the seat. In addition, the standard mounting on the cockpit has the disadvantage that the BT1 does not move when the seat is moved forwards or backwards. This chan-ges the pre-tension of the seat belt or the seat adjustment rail restricts the ad-justment to the rear. When using the F2M seat frame adapter, the same problem exists as with direct mounting on a V3. In addition, there are often no lashing eyes for the 6-point seat belt. This must be fixed at the front between the driver's legs and at the rear in the area of the belt tensioner. Appropriate eyelets or holes are required for this. The F2M adapter system solves the problem.

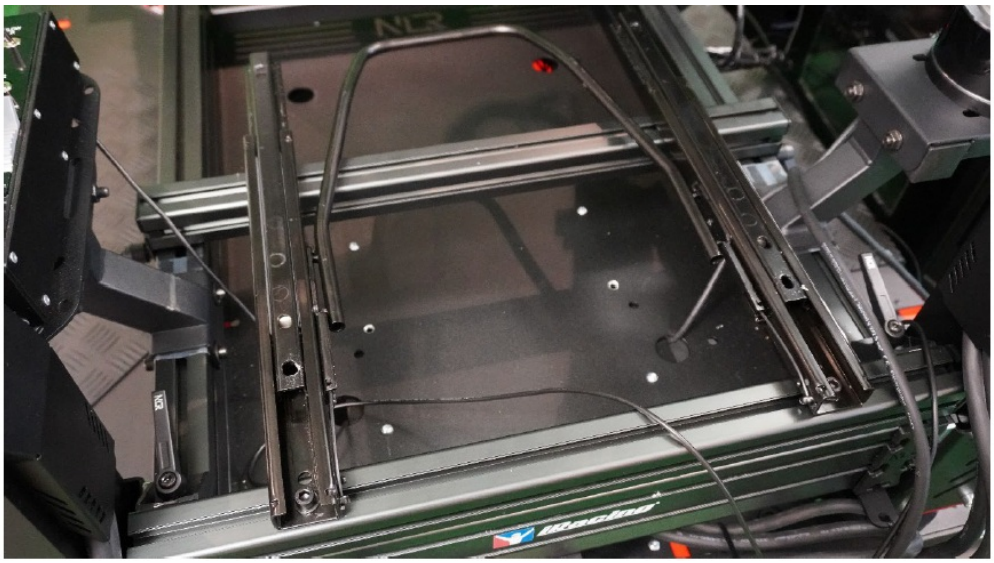
- Article no. H.F2M.ADBT1.0001
- Material: 5 mm aluminium – matt black powder-coated

Parts list

- 1x adapter bracket 435x420x85 mm
- 2x ring eyelets with grub screw M8 for rear seatbelt attachment
- 6x KB.ZUB.KBBIND.0047.0210.BL Cable ties black 4.7mm x 210mm
- 6x I.04762.088A2F.0080.00200.BL for cylinder head screw with hexagon so-cket head, galvanised M8x20 in grade/hardness 8.8 to DIN 912 (corresponds to ISO 4762) with continuous thread (BL) for seatbelt fastening at the front and seat rail fastening
- 4x I.04017.088A2F.0080.0016.BL for screw with external hexagon head gal-vanised M8x16 in grade/hardness 8.8 to DIN 912 (corresponds to ISO 4762) with continuous thread (BL) for seat adjustment rail
- 8x I.10511.088A2F.0080 for M8 lock nuts DIN 985 / ISO 10511 low profile, electrogalvanised Strength / grade / class 8 for seat slides, front seatbelts and rear ring eyelets
- 4x I.09021.140A2F.0084 large washers DIN 9021 galvanised, in form A wit-hout chamfer with strength 140 HV / 200 HV with 10.5 diameter (for M8 / seat fastening) for seatbelt fastening (bottom)
- 6x M8 washers

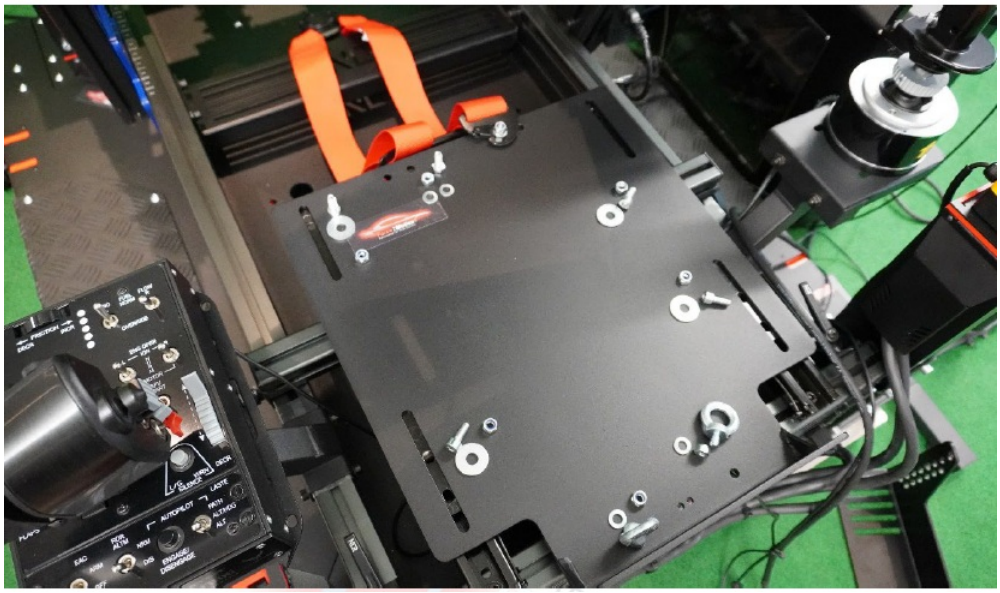
First place the F2MBT1 adapter on the seat rails (not included) and align roug-hly. Ensure that the drill holes in the seat rails at the front and rear are aligned with the F2MBT1 adapter and the seat brackets (for side mounting of the seat – not included).

Instructions



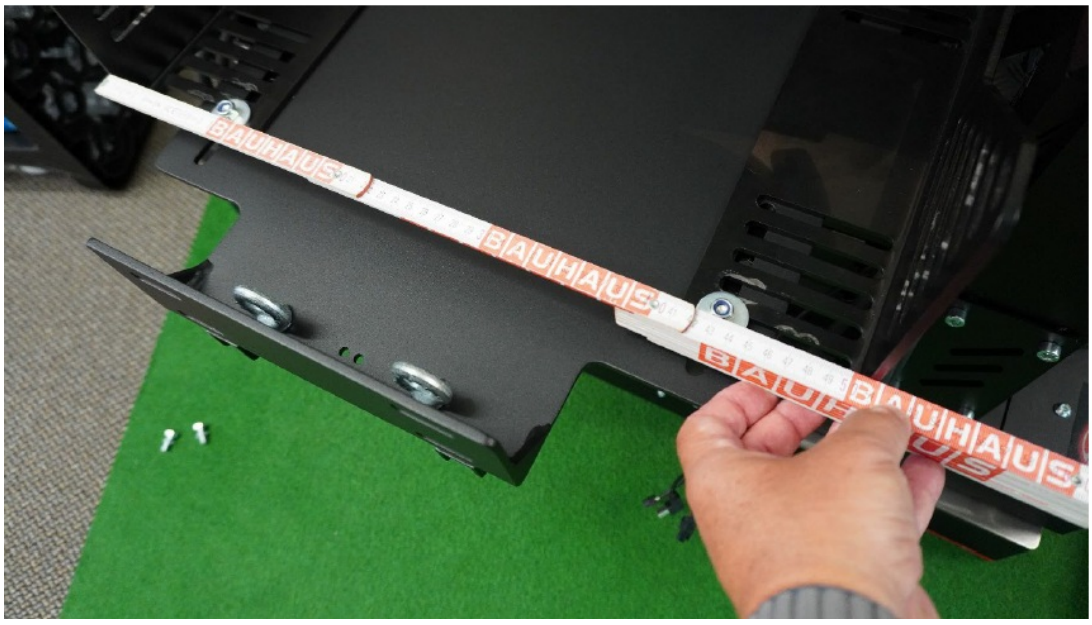
In most cases, one pair of drill holes is round (e.g. at the front) and a few are oblong (e.g. at the rear) so that you can compensate for minor dimensional in-accuracies.

Now prepare the required screws. First fasten the front straps (not included). To do this, use 2x M8x20 cylinder head screws with 4x M8 washers at the top and bottom and 2x M8 lock nuts. Align the belt buckles and screw tight. The eyelets are optional and can be used to hook in the rear seat belts (see original BT1 manual).

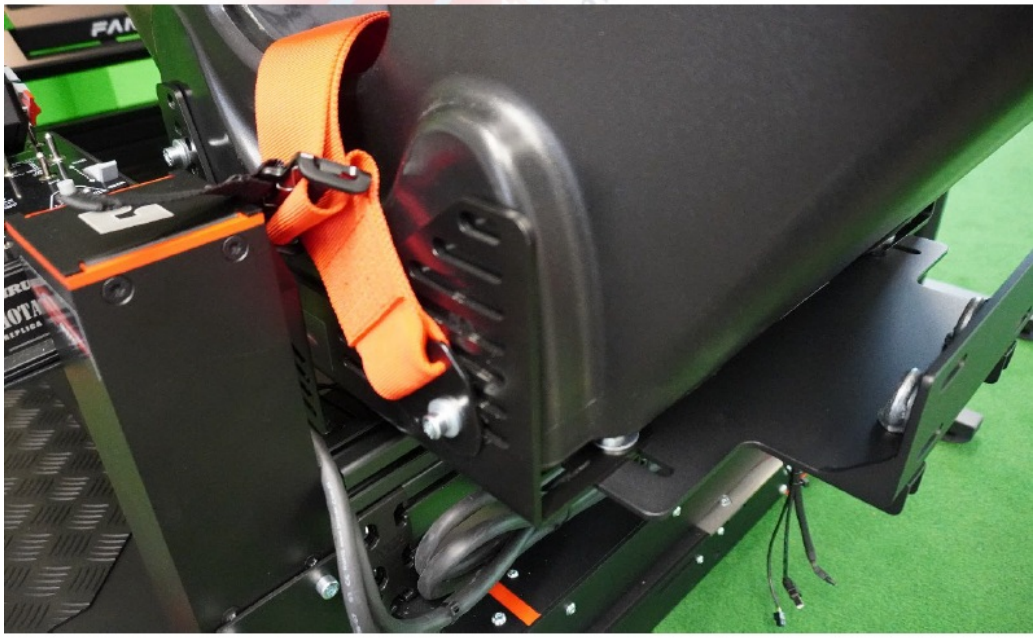


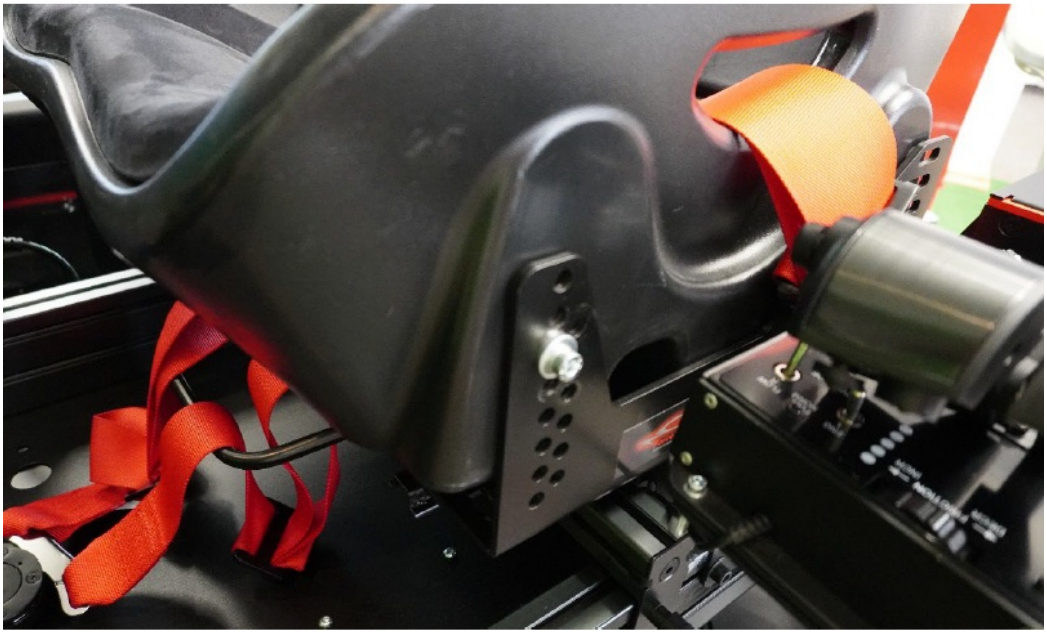
First fit the screws at the front or rear. To do this, carefully move the seat slider forwards or backwards to reach the screw head.
Caution: risk of injury! Use 4x M8x20 hexagon socket head bolts, each with a large washer and an M8 lock nut. When fitting a seat from the side, screw the seat angle loosely (!).

Now measure the required seat inside width and align the seat brackets. Then screw on the other side (front or rear). Again, adjust the seat slider as required. Do not tighten these screws either.



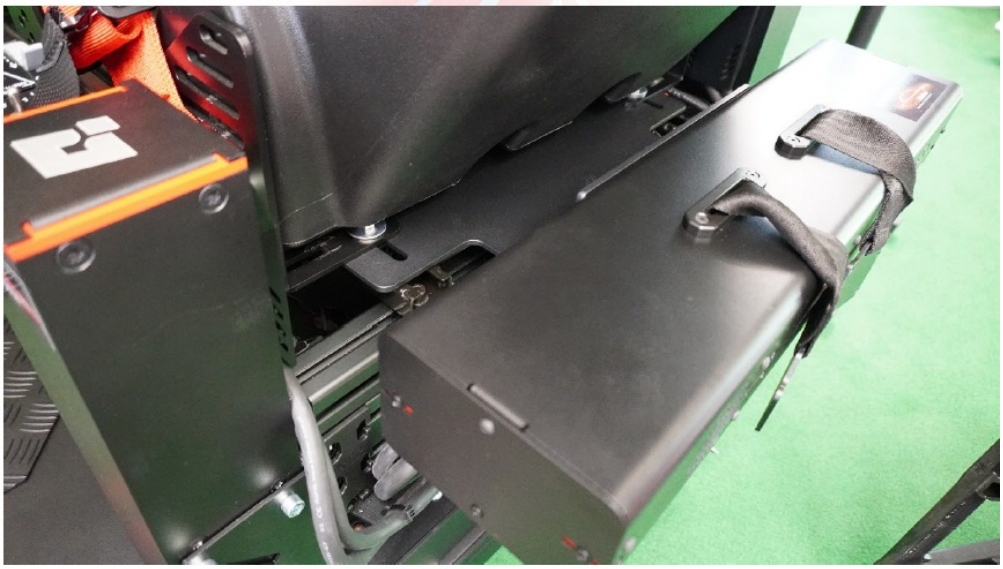
The seat can now be inserted, the desired angle set and the screws inserted (not included in the F2MBT1 set but in the other product sets). Attach the two corner straps directly. If necessary, use longer M8x30mm screws.



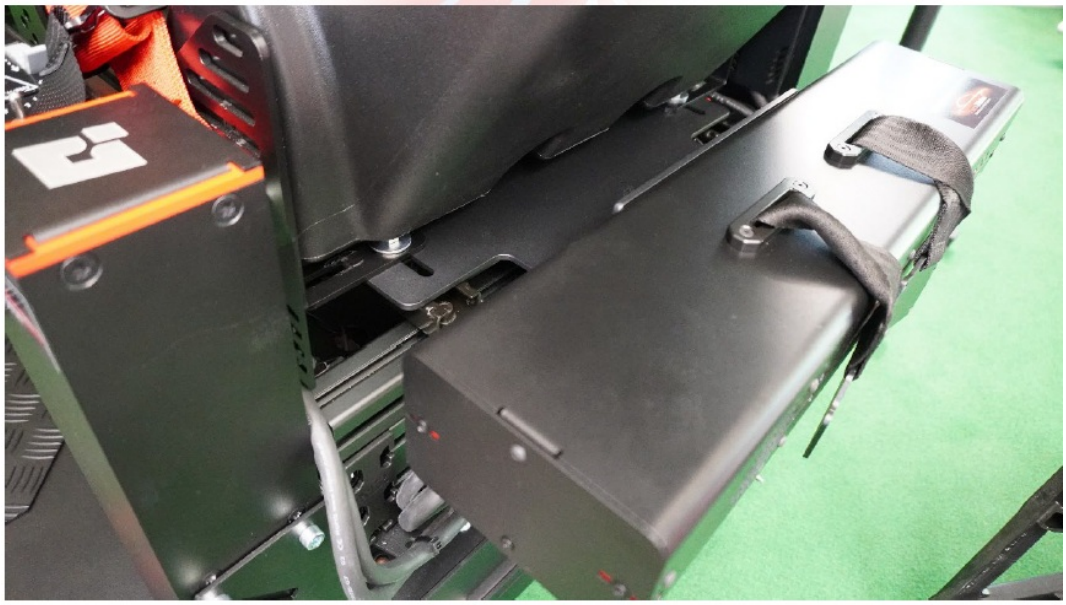


Now tighten all screws (after tight comes off!). Now check the smooth running of the seat slider directly. If it is blocked or very stiff, something has been instal-led at an angle or tilted! In the next step, prepare the BT1 with the four original BT1 hexagon head screws and the knurled washers. If no second person can help, place the BT1 on a drinks crate, for example, and adjust the height, e.g. using books, so that the BT1 is secure and can now be easily screwed on from behind by one person.

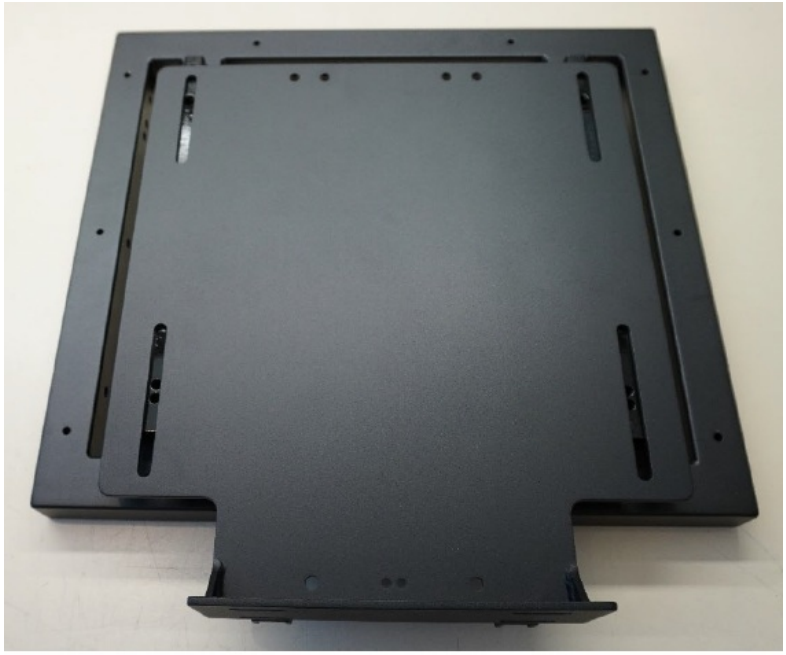
Here too, first insert all four screws by hand and tighten them loosely. Then tighten them crosswise.



The F2MBT1 adapter is now fully installed and you can continue with the BT1 installation according to the original manual.



When using the F2M seat frame, mounting is similar to direct mounting on a V3 or another static carrier.



Mounting a seat that is bolted from below, such as the GT-Track, the ERS3 or similar, requires mounting without a seat bracket and is somewhat trickier. The screws used to screw the seat to the F2mBT1 adapter and seat rail from above must be carried out with the seat rail already fitted (lower part). Always extend the seat slider appropriately for installation (caution: risk of injury) and use the specially supplied short Allen key. Small hands and patience are required here!

Tip: The BT1 cables can be attached later using cable ties which are pulled through the holes at the front and/or rear. Ensure strain relief, sufficient room to move and that the cables do not chafe anywhere!

Customer-Feedback
If you have any feedback, we'd love to hear it!
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Documents / Resources

	Force2Motion F2MBT1 Adapter Platform for Sim Racing [pdf] Instruction Manual F2MBT1-EN, H.F2M.ADBT1.0001, F2MBT1 Adapter Platform for Sim Racing, F2MBT1, Adapter Platform for Sim Racing, Platform for Sim Racing, for Sim Racing, Sim Racing, Racing

References

- Force2Motion - The platform for Sim-Racing and Flight-Sims - Force2Motion
- User Manual

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