USER & INSTALLATION INSTRUCTIONS

Hitachi StarBoard FX DUO 77
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DO NOT RELEASE TRANSPORT BRACE BEFORE INSTALLING THE PROJECTOR AND BOARD

Do not release brace marked in red.
INSTALLATION  Part 1: Attach feet

TWO MEN OPERATION. WEIGHT EXCEEDS 15kg.

1 - Use carton supplied as a support for the frame assembly

2 - Attach feet to the uprights of the IWB frame assembly with M10-35 bolts supplied in fastener kit using supplied allen key.
3 - Loosely attach projector frame extension attachment to the IWB frame assembly with M8-40 socket head screws, M8 nut and washers supplied in fastener kit.
Use these holes to set the projector to the correct offset position for the Hitachi short throw projector.

4 - To set the projector to the correct offset for perfect alignment with the StarBoard, use the holes as shown in the diagram (left), and set the upright part of the projector frame extension approximately 690mm from the edge of the frame (as shown).

5 - Once the projector frame extension is position in the correct position, tighten the M8 socket head screw with supplied allen key.
6 - Attach two of the handles to the lower section of the frame assembly with M8-16 button head screws and washers. Make sure the handles are facing forward.
7 - Stand the Freeframe unit upright from the carton for the next step of installation. Make sure all the castors have the brakes applied before proceeding to the next step.
PART 6: ATTACH PROJECTOR ARM

8 - Attach the supplied projector arm using M8 washers and M8-16 button head screws
9 - The distance the projector is mounted on the arm relative to the interactive white board is crucial for the projection image to appear the correct size. First, loosen the screw that holds the mounting clamp to allow it to slide freely along the projector arm, using the Allen key supplied in the fastener kit.

10 - Line up the mounting clamp tangent to the small hole on the arm as a guide for the correct distance for the Hitachi short throw projector.

11 - Tighten screw with Allen key to secure the clamp in the correct position.
12 - Attach mounting brackets as shown using M6-16 button head screws and washers for the lower mounting bracket and M8-16 button head screws with washers for the upper mounting bracket.
13 - To make sure the board is mounted to the Freeframe unit in the correct position, attach the mounting brackets as shown in diagram.

14 - Tighten screws with allen key to make sure the brackets does not move after positioning.
15 - Hook the board on to the frame with the lower hook bracket hooking over the center tube of the freeframe and the upper brackets hooking over the top of the frame.
16 - Attach the handles and secure the board using the M8-16 screws and washer through threaded inserts in the Freeframe.
17 - Attach the mounting plate onto Hitachi ultra short throw projector.

18 - Hook the mounting plate with the projector onto the mounting clamp on projector arm, using the screws on the clamp as a pivot.

19 - Pivot the projector upwards and secure in place with M6-16 button head screws.

20 - Tighten with supplied allen keys to ensure the projector does not move out of place.
21 - Release the transport brace by undoing the M8-16 button head screws holding the brace to the frame with supplied allen keys.
22 - Undo the tri-wheel from the laptop shelf. Hook laptop shelf onto support beam. Re-attach tri-wheel. Slide the shelf to the desired position before fully tightening the tri-wheel by hand.
23 - Cables are tied to the frame and scissor system with cable ties. Use the path shown in the diagram as a guide in securing loose cables.
INSTALLATION  Attach speakers

- Attach speaker to speaker mounting brackets using M4 screws. The bracket and speaker is then attached to the Freeframe unit using M8-16 button head screws as shown in the diagrams.
- To fit a fully installed Freeframe through a door, the projector must be swiveled out of the way. Loosen tri-wheel on projector frame extension. Swivel the projector to the side, then tighten the tri-wheel.
INSTRUCTIONS  Part 1: Raising the board

- The raising mechanism is operated by gas springs that assists the user making the raising action simple. Use the handles provided for smooth raising and lowering. It is also advised the user do not stand directly in the centre to avoid injury due to collision with the Hitachi ultra short throw projector.