

SPACE LAB LIFT

USER MANUAL 7/13/21

SAFETY NOTES

- Do not hold, grab, pull, or lift the speaker support platform from inside the bolt access cutout. Risk of damage to the platform and injury. Hold the platform firmly from below, never from the top cutout.
- Remove speakers from stands when moving or transporting.
- Components are heavy, do not drop them on yourself.
- Speakers can be knocked off the stands, use caution when moving around them.
- Be conscious of tripping hazards from cables.
- Only position the stands on solid, stable, and level surfaces.
- Ensure that all bolts are sufficiently tightened during the assembly process.
- Electrical shock hazard! Do not open the control box or columns. No user serviceable parts inside. Contact Space Lab Support (hello@spacelab.systems) for any service needs.

UNPACKING

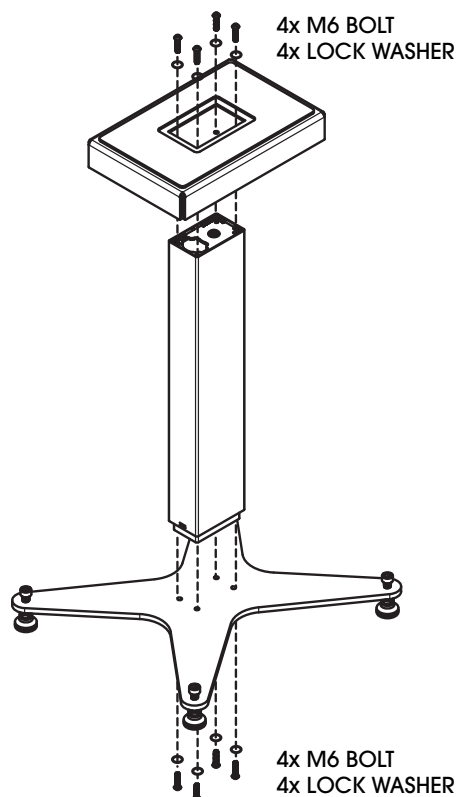
Unpack all components from box and lay them out. Check that you have all of the following components:

- 1x, 2x, or 3x Columns depending on your system package.
- 1x, 2x, or 3x Baseplates (all levelling feet should be pre-attached).
- 1x, 2x, or 3x Speaker Platforms

UNPACKING continued...

- 1x, 2x, or 3x packs of M6 Button Head Bolts (8 bolts per pack, 1 pack per stand).
- 1x, 2x, or 3x packs of M6 Lock Washers (8 washers per pack, 1 pack per stand).
- 1x 4mm T-Handle Hex Driver.
- 1x Control Box (2ch for Mono/Stereo packages, 3ch for LCR package).
- 1x IEC Power Cable
- 1x, 2x, or 3x Motor Control cables, 1 per column.
- 1x Control Keypad with attached cable.
- 1x Keypad Mounting Bracket and wood screws.

ASSEMBLY DIAGRAM



ASSEMBLY PROCEDURE

Step 1. Bend and insert each column's captive power cable tail and rubber sleeve into the corresponding notch in its base. This is the bottom of the column.

Step 2. Attach baseplates to bottom of the columns using 4x M6 bolts and 4x M6 lock washers per stand. Use your fingers to thread the bolts, taking care not to cross thread any of the fasteners. Once all four bolts are fully threaded you can tighten them with the supplied T-Handle Hex driver. Do not overtighten as this could damage the threads inside the column and void the warranty (max torque 10Nm).

Step 3. Place each stand upright on its base and attach the speaker platforms to the top of the columns. Carefully thread and then tighten the 4x M6 bolts and 4 M6 lock washers per stand in the same manner as before (max torque 10Nm).

Step 4. Place the stands in their approximate final positions and connect the motor control cables from each column to the control box. The columns can be connected to any of the power ports on the control box labeled "1", "2", or "3".

The control box may be placed anywhere that is convenient but please make sure that it has some ventilation space around it and the cables are not strained to reach the stands.

Step 5. Connect the control keypad cable to the control box port "A1".

ASSEMBLY continued...

Step 6. Connect the IEC power cable to the control box and then connect it to a nearby outlet or power strip.

Step 7. You may mount the control keypad under your desk using the included bracket and screws or place it on the desk surface without the bracket.

Mount or place the keypad within easy reach if you plan to adjust the stand height frequently. Alternatively you can use the keypad to adjust the stand height during setup and then leave it stored out of the way near the control box.

NOTE: Once you insert the mounting bracket into the control keypad, it cannot be removed.

SYSTEM INITIALIZATION

Once assembly is completed proceed with initializing the column motors:

- Press and hold the DOWN button until the columns contract fully and then stop (about 5 seconds). The columns will then automatically run approximately 3 mm out again.
- Only release the DOWN button when movement has stopped completely. You are now ready to use LIFT.

SYSTEM CONTROL

- Adjust the height of the stand using the UP/DOWN keys.
- To save a height preset: adjust the stand to the desired height, press the S key and then press the desired memory key (1,2, or 3).
- To recall a height preset, push and hold the preset number key until the stand moves fully to the stored position.

LEVELING

Once the stands are placed in the approximate position where they will be used and the motors have been initialized you can go about leveling the bases.

- Check the base for any wobble or rocking and adjust the appropriate levelling feet to eliminate it.
- The bases should be stable and completely wobble free when you're done.

While most floors are level enough for the stands to be height aligned and level out of the box, there are some circumstances where a floor is so sloped as to require more substantial adjustment. In this circumstance:

- Use a level placed on top of the speaker platform and adjust the levelling feet to achieve a perfect level of both the left/right and front/back axis. Repeat for the other stand.
- Measure platform heights and adjust feet to align if needed.

SPEAKER PLACEMENT:

After levelling the stands, place your speakers on the speaker platform (s). Center each speaker over the platform and column in order to achieve the greatest stability and ensure that the speaker is adequately supported.

Use the control keypad to refine the speaker height to your desired position. We recommend that most speakers be set so that the tweeters are at ear level or slightly higher.

Once the height is set, carefully adjust the final toe in and listening distance to suit your preference. We recommend starting with the standard equilateral triangle setup:

- Each speaker 30 degrees toe in.
- Speaker faces equidistant from the listener and each other.

SPECIFICATIONS

- Baseplate Footprint: 390mm x 440mm (15.4" x 17.3")
- Support Plate Size: Small 200mm x 300mm (7.9"x 11.8")
- Support Plate Size: Large 300mm x 400mm (11.9" x 15.7")
- Minimum Platform Height: 622mm (24.5")
- Maximum Platform Height: 1283mm (50.5")
- Weight:
 - Stand with Small Platform 17.1 kg (37.7 lbs)
 - Stand with Large Platform 21.9 kg (48.3 lbs)
- Load Capacity:
 - Light Isolators 5 kg - 12 kg (11 lbs - 26.5 lbs)
 - Medium Isolators 12 kg - 20 kg (26.5 lbs - 44.1 lbs)
 - Heavy Isolators 20 kg - 41 kg (44.1 lbs - 90.4 lbs)
- Decoupling Natural Frequency: As low as 8.8hz when loaded within range