This manual is being updated.

THE BIG ORCHARD · PRODUCT MANUAL

Denby Drawing Board

Floor-standing drawing board on a heavy-duty, counter-sprung twin column stand with foot-pedal height and angle adjustment and a counter-weight parallel motion. Available in 2A0, A0 and A1. This manual covers every size.

Covers models: DU05, DU06, DU07

ADJUSTABILITY

Height and angle (foot pedal)

The spring-assisted twin column stand locks the board at any height and angle between horizontal and 80°. With the board horizontal, the height adjusts from 1000 mm to 1460 mm.

1. Lift the foot pedal (it doubles as a foot rest) to release the stand.
2. Move the board to the height and angle you want.
3. Lower the foot pedal until it clicks and holds, to lock the position.

Spring-assisted stand

> For any adjustment of the stand spring, please contact The Big Orchard on +44 (0)1924 291333 or info@thebigorchard.com.

Lockable castors (optional)

Lockable castors can be fitted to the stand if required.

> For fitting castors, please contact The Big Orchard on +44 (0)1924 291333 or info@thebigorchard.com.

Counter-weight parallel motion: setting the straight edge parallel

If the straight edge is no longer parallel with the board:

1. Slacken the knob at each end of the straight edge.
2. Move the black counter-weights to the bottom of the board and keep them there.
3. Line the straight edge up with the top of the board face.
4. Retighten both knobs.

Counter-weight parallel motion: re-attaching the straight edge to the wires

1. Slacken the knob at each end of the straight edge.
2. Tilt the drawing board until it is horizontal.
3. Move the black counter-weights to the bottom of the board.
4. Lay the straight edge on the board near the top edge, on the opposite side from the counter-weights.
5. At each end, thread the knob **one turn only** onto the bolt.
6. Use the knob to push the bolt in, then tilt it upwards so the wire fits behind the bolt head.

7. Tighten the knob so the bolt head grips the wire, then repeat at the other end.
8. Set the straight edge parallel as described above.

Download the illustrated sheets: Straight edge setup (PDF) and Connecting the counter-weight wires (PDF). The wire runs from the threaded wheel on the top bracket, down to the pulley wheel on the bottom bracket; the weight sits in the inner and outer cups on the wire.

Counter-weight parallel motion: stiff straight edge after delivery

For transport the wires are tightened to prevent damage, which makes the straight edge stiff to move. To slacken them, unscrew the weight cups a little on both sides, taking care not to completely undo the two halves.

Counter-weight parallel motion: straight-edge end-play

The left/right movement (end-play) of the straight edge is adjusted with the slider adjustment screws on the back of the straight-edge ends. Slacken the screws, move the sliders in or out to increase or decrease the movement, then retighten the screws, taking care not to over-tighten them.

If the straight edge slips on the wire, slacken the knobs at each end (the weights will fall to the bottom of the board), align the blade with the top of the board, then firmly tighten the knobs again.

Counter-weight balance

> For adjustment of the counter-weight balance, please contact The Big Orchard on +44 (0)1924 291333 or info@thebigorchard.com.

Counter-weight parallel motion: replacement wires

You can fit a replacement counter-weight wire yourself. Replacement wires are supplied ready-made by The Big Orchard, made up with the ferrules already crimped on (the ferrules have to be crimped, so wires cannot be made up at home). To order a replacement wire, contact us on +44 (0)1924 291333 or info@thebigorchard.com.

CARE AND CLEANING

Stand: clean with a damp cloth or mild surface cleaner. Do not let moisture dwell on the surface. Oil the moving joints and connections once a year to keep the motion smooth (WD-40 or similar is recommended).

Do not cut against the acrylic edge of the straight edge. If it does get damaged, contact us: we can re-machine it for you. If a new straight edge has a protective plastic sheet on its underside, remove it before use.

If you use a compass or cut on the board, we recommend a cutting mat to protect the board surface. Papyroboard is a hard-wearing vinyl board cover that protects the board surface, but compass points may still find their way through if used regularly.

An optional protective board cover is available for easier cleaning and improved durability.

Cleaning

- **Board surface:** wipe with a soft, slightly damp cloth and dry it off.
- **Acrylic straight-edge blade:** clean with a soft, clean cloth. Avoid abrasive cleaners and pads, which scratch acrylic.
- **Frame and stand:** wipe with a damp cloth, dry, and keep moving parts free of dust.

Maintenance services: we can provide a tailored annual service plan. See www.thebigorchard.com/service-plan/ or call +44 (0)1924 291333.

PARTS OVERVIEW

- Drawing board with full-width aluminium straight edge (15 mm acrylic blade)
- Counter-sprung twin column floor stand (white) with full-width foot pedal / foot rest
- Counter-weight parallel motion: top bracket with threaded wheel, wire, counter-weights in inner and outer cups, pulley wheel on the bottom bracket

Options: lockable castors, protective board cover, locking top rail.

ASSEMBLY AND SETUP

Supplied fully assembled. Although large and heavy, the Denby is quite easy to manage with two people.

If your stand arrives strapped

The upper frame is spring-loaded. If your stand is delivered with a strap holding the upper frame down:

1. Fit the feet and place the stand upright on the floor.
2. Ensure the pedal is in the DOWN position.
3. Apply your full body weight to the upper black frame (where the notice is).
4. Ask an assistant to cut the strap.
5. With weight still being applied to the upper frame, lift the foot pedal and allow the upper frame to raise slowly.

If unsure about any of these instructions please call +44 (0)1924 291333.

Removing the board from the stand

> **Contact us first.** You must contact us to discuss the safe procedure before detaching the board from the stand.

SAFETY

- The stand is spring-loaded. Follow the strap-release steps in Assembly and setup, and contact us before detaching the board from the stand.
- The Denby is large and heavy (around 49–71 kg): moving the complete unit is a two-person task and should be done with great care.
- Trapping points: the mechanism that controls the height and angle has moving parts which could pinch or trap if misused. Never adjust the height or angle while someone is under the table or has their hands on any part of the stand.

> For any safety question about your product, please contact The Big Orchard on +44 (0)1924 291333 or info@thebigorchard.com.

SIZES AND SPECIFICATIONS

Code	Model	Board size	Height when horizontal	Parallel motion	Weight
DU05	2A0 Denby Drawing Board	1750 x 1250mm	1000mm - 1460mm	Counter-balanced	71kg
DU06	A0 Denby Drawing Board	1270 x 920mm	1000mm - 1460mm	Counter-balanced	59kg
DU07	A1 Denby Drawing Board	920 x 650mm	1000mm - 1460mm	Counter-balanced	49kg

WARRANTY

Lifetime warranty, from the date of delivery. The warranty is limited to the original purchaser and is non-transferable. It covers any manufacturing defect which shows as a functional or cosmetic issue within the warranty term. It does not cover accidental or malicious damage, or normal wear and tear. If something goes wrong due to materials or workmanship, we will arrange a free-of-charge like-for-like replacement or on-site repair (if suitable). Full terms: www.thebigorchard.com/warranty/.

CONTACT

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Paper copy of this manual free on request. If you have any issue with your product, get in touch and we will help get you up and running.