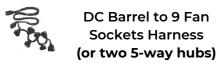
Luggable XXL STEM Kit

Assembly videos: https://www.youtube.com/@cleanairkits

ELECTRICAL

COMPONENTS







Nine 120mm Fans







HARDWARE

Two 25x7" Fan Panels

Two 25x7" Blank Panels

9 Fan Grills

36 Fan Push Pins

Steel Tension Wire

TOOLS



Scissors



Putty knife





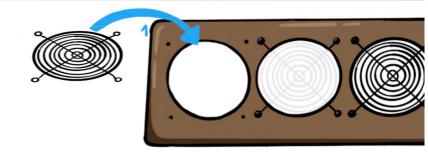
3M Filtrete MPR 1500-2500 25x25x1" (Sold Separately)

INSTRUCTIONS

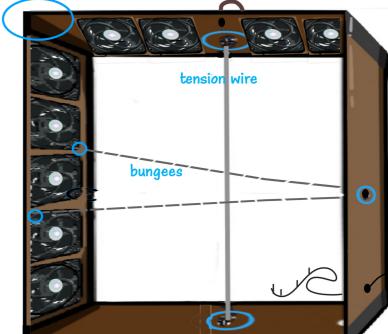
1) Orient the grills in a symmetric pattern (popping outward) and insert push pins. If hard to press, place grill-side down on table and push back of panel around pin(s).

Leave grill-side down for step 2)

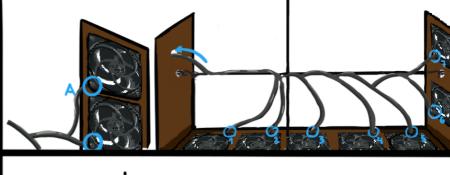
- 2) Fan specs should face grills while pretty stickers face inside of box. Wires should exit a consistent side. Firmly push fan frames onto pins. Flip over and press pins w/ a blunt end tool handle as necessary to fully seat without gaps to panel.
- 3) Slide panels firmly into slotted panel connectors. Panels w/5fans & wire harness are side panels. Squeeze from opposite ends to seat all the way. The black gaffer tape along edges creates a strong friction grip.
- 4) Hook the tension wire from clip under top handle down to clip at center of blank bottom panel. Stretch and tie bungee cords from blank side to 2th & 4th side fan screw holes, forming a taught V.



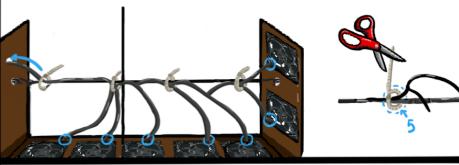




5) Fan harness comes pre-attached to a side panel thru strain-relief grommet. Starting with fan closest to grommet hole, plug pwm cables into first harness sockets. Daisychain 3-way or 5-way splitters if provided.

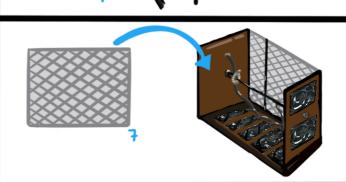


6) Secure the fan harness and cables along the central tension wire with zip ties. Pull any wire excess away from fans & tie toward tension wire.



- 7) Connect the DC barrel plug to the USBC adapter and plug charger brick in to wall for test. All fans should run without hitting any wires or obstructions.
- 8) Disconnect power. Push the filters into the open sides. Insert putty knife to pry outward any

panel that catches filter edge.



9) FINAL INSPECTION. You are responsible for noticeable gaps/leaks (e.g. > 2 mm^2) around fans or filters that can reduce filtration efficiency. Inspect carefully from all sides. Tighten push pins, panel connectors & bungees. Trim excess cardboard overhang at filter corners. Plug gaps with foam or tape as necessary.

Air should suck into filters and blow out through fans. Place fan & filter sides at least 2" from walls, preferably 12" for full performance!



զլ Clean Air Kits