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MEDIA TECHNOLOGY



RAVEN

Raven MTX2 Desk Manual

This guide contains information about constructing your desk, and it's physical dimensions.

Overview

The RAVEN MTX2 desk supports the display screen and the Analog Section modules. It provides ample room for the keyboard and mouse of your choosing, and has a comfortable bolster. The top panel can support small speaker monitors or various decorative elements.

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Warnings

- ★ The box and the completed unit are both heavy. Please use caution when lifting or moving, and seek the help of friends or colleagues whenever possible
- ★ While it is tempting to over-tighten the screws, bolts and nuts, please don't. Use a reasonable amount of tension, otherwise the threading on metal parts can strip or the wooden parts can be damaged.
- ★ When the desk is fully assembled it is very sturdy and reliable. Until it is completed, however, it is possible to tweak, bend, break or otherwise damage the various parts. Care is required to arrive at a completed desk, but once built it will serve you well for a very long time.
- ★ Friends are great. In addition to seeking their help when moving the heavy things as listed above, it's a great idea to have a friend help you build the desk from start to finish. Often, two heads are better than one when solving puzzles or building furniture.

Dimensions and Completed Photos

These are the dimensions of the finished desk, in imperial units.

Total Height - 42.9"
Console Height - 17.5"
Console Width - 47.9"
Side Panel Depth - 31.6"
Total Console Depth - 41.2"



The metric conversions are:

Total Height: 109 cm
Console Height: 44.5 cm
Console Width: 122 cm
Side Panel Depth: 80.25 cm
Total Console Depth: 105 cm

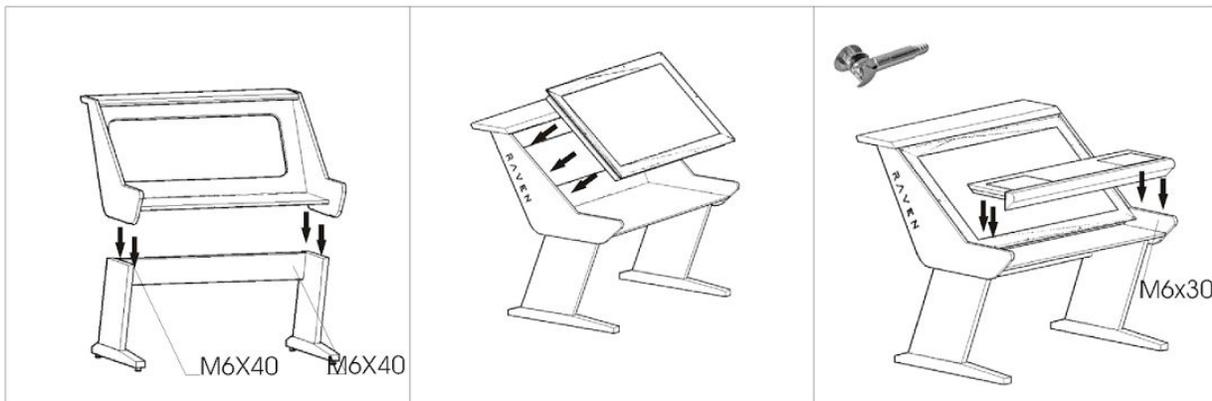
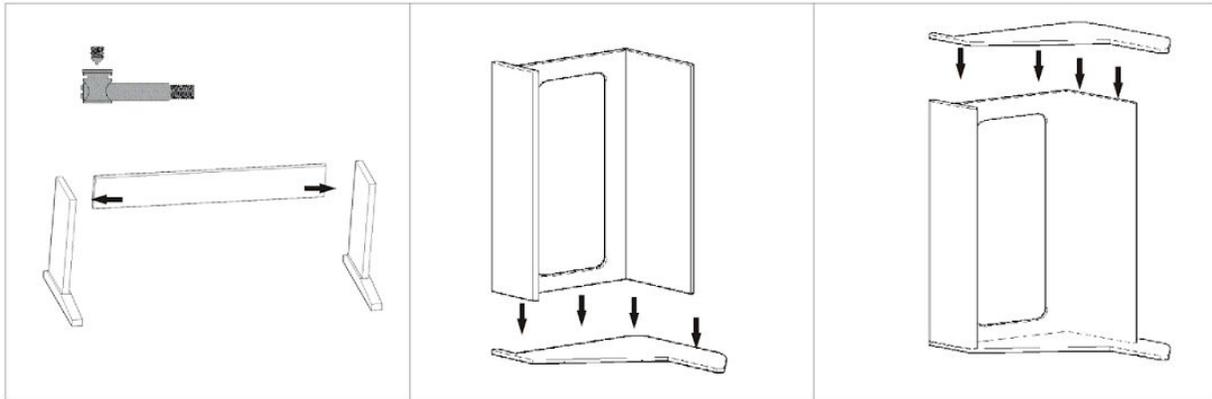
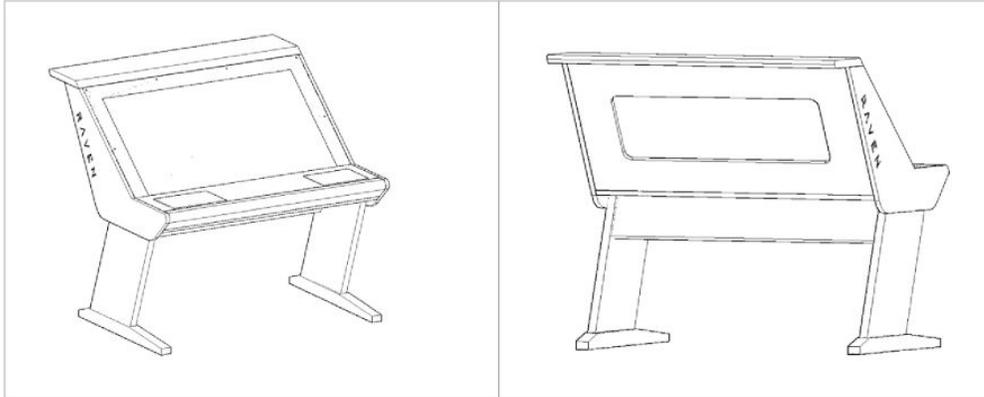
It looks really nice when completed:



Construction Diagram



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Construction Instructions

Building the desk is accomplished by following the steps below:

1. Visually inspect the box. Document and report any damage that may have occurred during shipping.
2. Open the box and inspect the parts inside. Carefully unpack the box and check the parts against this list:
 - a. Top Panel
 - b. Back Panel
 - c. Console Bottom
 - d. Left Side
 - e. Right Side
 - f. Leg Brace
 - g. Left Leg
 - h. Right Leg
 - i. Bolster
 - j. Bag of hardware
3. Identify in the bag of hardware the dimple bolts and the set screws.
 - a. You'll notice that where the dowels come out of the panels there is another hole, and adjacent to the hole is a place for the set screw. The dimple bolts are screwed into the side panels, slide into the holes, and are held in place by the set screws.
 - b. When fitting the dimple bolts onto the side panels, be sure to align them as close as possible to the proper position, leaving them just loose enough that they can move around a bit. The set screw will complete the alignment and hold the desk together tightly.
4. You will need these tools:
 - a. #2 Phillips screwdriver
 - b. Medium to large flat blade screwdriver
 - c. 3mm hex key
 - d. 4mm hex key
5. Screw the dimple bolts to the left and right legs where needed for the leg brace. There are two on each side.
6. Fit the leg brace onto the left leg, then the right. Insert the set screws and tighten them.
7. Put the completed leg assembly aside for now.
8. Lay the side panels on their faces.
9. Inspect the top, back and console bottom panels. Make note of where you will need dimple bolts to attach them to the sides. Fit the bolts to the side panels in these spots.
10. On the top panel, make note of the edge with the bezel. This is the front.
11. With the left panel still laying on it's face, slide the top, back and bottom panels into place. Insert the set screws and tighten them.
12. Slide the right side panel onto this assembly and tighten the set screws.
13. Have a friend help you lift (carefully!) the console assembly and sit it on the legs. There are bolts that affix the console to the legs, fit them and tighten.
14. Remove the six screws that affix the screen to the desk from the blocks that support the screen.
15. Unpack the display
16. With a friend, lay the monitor in place and replace the screws removed in step 14..
17. Affix the standoff spacing bolts to the side panels where the bolster is expecting them,
18. Lay the bolster in and secure it with the cam nuts.
19. Fit thr hex screws to the bolster.
20. Check your work for omissions or errors.

Congrats! You have completed the desk.