



## MARKS Setup Table

There are various ways to build our MARKS setup table and this is just one of them. So feel free to improvise. Also if you find better and more efficient ways for the construction please let me know and I will update this document.

Thanks,  
Andreas

### ***Before you start:***

- 1) Get the necessary material
  - a. 2x6 regular pine or redwood
  - b. 2x4 regular pine or redwood
  - c. 2x3 regular pine or redwood
  - d. 1x2 popular or any other type of hard wood
  - e. 7 ¼ x ¾ pine board, plywood, or MDF
  - f. Piece of carpet
  - g. Sealing paint, oil based, I picked a honey color
  - h. 2 bolts, 4 hex nuts, 4 big washers and
  - i. Wood screws – or any other type of screw that allows attaching the wood pieces, sizes 2 ½, 1 ½, and 3 ½.
- 2) Tools needed
  - a. Table saw or hand saw
  - b. Drill
  - c. Screwdriver
  - d. Paint brush
  - e. Stapler

### ***Quick instructions to build a setup table:***

- 1) Cut the six 2x6 boards to the correct length, decide on which sides is top and which sides are bottom
- 2) Lay the six boards on your work table so you can see how they fit and how wide the table is going to be. Measure the width and adjust the dimensions on the plan. The four legs are supposed to be flush with the top board.
- 3) Cut the four supporting 2x4 beams that hold the table top together. Check the dimension by putting the four beams on top of the six boards that you have laid out on your work table.

- 4) On both sides of the table you should have space for the four 2x4 legs (that is there should be a 1 ½" gap on both sides. – If this fits then put the supporting frame together using long 3 ½ screws. Check that the frame is squared correctly.
- 5) Now remove the six 2x6 boards from the work table and put the two longest boards on top of the frame. Adjust the boards so that they are in the middle of the frame and squared. The table top should stand out 10 ½" at the rear of the table.
- 6) Once everything is in the correct position, attach the two boards with 2 ½" screws.
- 7) Using these two boards as a reference all the other 2x6 boards can be attached.
- 8) **Attention: For the next step you might want to get some help because the table becomes heavy!**
- 9) Flip the table top so that the supporting frame is on top and the table top.
- 10) Next attach the front and rear 2x3 support beams to the table top (~11" and 33 ½")
- 11) Cut the two supporting 2x3 beams (~58") for the transmitter/tool support and attach them to the bottom of the table top.
- 12) Now cut the four 2x4 legs and attach them to the frame.
- 13) Next cut and attach all the other 2x3 cross bars that hold the table legs together. – Now you have a table!
- 14) **Attention- Heavy!** Flip the table again and add all the other parts, starting with the transmitter/tool support.
- 15) The small boarder on the transmitter/tool support is created by using a 1x2 and cutting it in half (~ ¾" square) and then creating a mini frame around each of the two transmitter/tool support boards. Because of the small size of that mini frame it can be glued.
- 16) If the transmitter/tool support was fabricated out of one solid piece then you might want to drill some water escape holes for rain water.
- 17) Attaching the retractable airplane restraining beams is easy. Don't forget that there is a gap between the legs and the restraining beams. I chose a scrap ¾" board that I had and cut into the right dimension.
- 18) The restraining beam stopper has to be custom cut, as it depends on the actual position of the restraining beams. – In the upright position the restraining beams should be leaning slightly forward (~2-3°) so that they don't accidentally fall onto an airplane.
- 19) Finally, coat the entire table with two coats of water resistant sealer.
- 20) If you have no way of moving the table, please call Steven cell: (909) 437-8575 or Rick cell: (909) 633-3745 for transport.

## ***Important Links:***

- Construction plans: [http://www.rcmarks.org/documents/MARKS\\_SetupTable\\_Plans.pdf](http://www.rcmarks.org/documents/MARKS_SetupTable_Plans.pdf)
- Pictures of finished table: [http://www.rcmarks.org/documents/MARKS\\_SetupTable\\_Pictures.pdf](http://www.rcmarks.org/documents/MARKS_SetupTable_Pictures.pdf)
- Photo Gallery (on-line): <http://www.rcmarks.org/PhotoGallery.html>