

motor mix



Creating a Multi Unit Motor Mix

Tools required

- 1.) #4 Phillips head screwdriver.
- 2.) 1/16" Allen wrench or driver.

Parts Required

1. 4 pieces 4-40 x 3/8" Phillips head screws (per unit).
- 2.) 4 pieces 4-40 Nut with captive lock washers (per unit).

Preparation

- 1.) Remove power cables from the Motor Mix units.
- 2.) Remove any other cables connected to the Motor Mix units.

Top Cover Removal

- 1.) Remove 6 Phillips head screws on front and rear of chassis on all Motor Mix units.
- 2.) Remove 6 Allen Panhead screws from top all Motor Mix units.
- 3.) Turn the Motor Mix units so the back sides (power entry side) are facing you.
- 4.) Lift up the rear of the top cover about 2 inches and rest it on the ledge provided inside.
- 5.) Raise the rear cover up about 2 inches more with one hand. With your free hand disconnect the 2 cables plugged in to the Power Module in the chassis bottom. Rest the chassis top back on the inside ledge.



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- 6.) Reach your arm over Motor Mix and grab the chassis at the front (near the faders). With your other hand, lift the Top Cover off of the ledge about 3 inches. Push forward and lift the top cover free. Set the Top Covers aside. Don't worry about keeping track of which top goes with which bottom.

Side Cheek Removal

If you are joining 2 units, you must remove a Left Side Cheek from one, and the Right Side Cheek on the other. If you are joining 3 or more units, you must remove a Left Side Cheek from one, and the Right Side Cheek from another, and both Side Cheeks from the remaining Motor Mix units.

Connecting chassis bottoms

- 1.) Position the Chassis Bottoms side by side just like they will be connected together. Don't worry about keeping track of which bottom goes with which top. Insert 4 four 4-40 machine screws between each chassis bottom and finger tighten the nuts.
- 2.) Check and adjust the alignment between the Chassis Bottoms, and tighten the 4-40 screws.

Re-Fitting Top Covers

- 1.) Position the Chassis Bottom assembly so the Power Modules side face you.
- 2.) Move a Top Cover into position over one end of the chassis bottom assembly. Position Top Cover at about a 45 degree angle with the rear side high. Slip Top Cover at fader side over edge of Chassis Bottom and lower rear side down to rest on ledge of Chassis Bottom.
- 4.) Lift the Top Cover slightly at rear and reach inside and plug in the Power Module Cables. The locking tabs on the connectors go towards the center of the Power Module.

IMPORTANT NOTE: PLEASE DOUBLE CHECK THAT THESE CONNECTORS ARE NOT OFF BY A PIN. IF THEY ARE CONNECTED IMPROPERLY, SEVERE DAMAGE WILL RESULT WHEN POWER IS APPLIED.

- 5.) Lower the Top Cover completely while checking for binding wires inside along the top.
- 6.) Repeat steps 1 - 5 above for remaining units without forcing the Top Covers fully down. When lowering the remaining tops into final position they may become tight at the top edge. Lift the entire assembly at the center and they should drop into place.

Securing Top Covers

- 1.) Install the (3) #4 Black Phillips sheet metal screws into each chassis rear but do not tighten.
- 2.) Install the (6) 4-40 Black Allen screws into each Top Cover but do not tighten.
- 3.) Install the (9) #4 Black Panhead Phillips sheet metal screws into each chassis front but do not tighten.
- 4.) Check and adjust the alignment between the Chassis Bottoms, and tighten the 4-40 Black Allen screws.
- 5.) Tighten all remaining screws.
- 6.) Turn Power Switches off on all units and connect power cables.
- 7.) Power on a unit and check for proper power up cycle. Repeat for all units. Note that the LCD contrast controls should be adjusted until all units have same contrast.



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