Zaph Audio SR71 Kit Instructions

1. Take your time, and think about every step before taking action. These directions reflect the way we assemble this kit when using the MD14 cabinets and pre-cut baffles. You may have your own techniques that suit your style or experience. Go with what you are most comfortable with.
2. Remove front baffle from cabinet with a Phillips head screwdriver. Keep the screws and washers close by, you will need these again. You will not need this baffle again.
3. Apply a thin layer of Goop around the inside of the port hole on the back of cabinet. Press fit one of the two flared port ends provided securely into the cabinet. It should now be flush with the back of the cabinet. Let set.
4. *** See crossover hook up sheet *** Cut wires to proper length, strip ends 3/8", tin and solder to the crossover board as shown. Observe polarity. Mark the ends of both the input and output set of tweeter wires with a marker or tape for easy identification later.
5. With all wires now attached to the crossover, remove double sided tape strip from the bottom of the crossover board and press firmly to the bottom of cabinet. For best results, get this right the first time. We have also included some 6PAN1/2" screws that you may use to further solidify the crossover mounting. Make certain to mount the crossover board so that the input wires are close to the back side of the cabinet. This will allow easier access to the input cup cutout in the cabinet.
6. From the back side of the cabinet, pull the wires through the input cup cutout. Solder the wires to the input cup, low pass input wires to the bottom set of binding posts and high pass (tweeter) input wires to the top set of binding posts. Mount input cup into cabinet with the provided OX Oval 6x34"screws. Leave the gold jumpers connecting the top and bottom sets of binding posts in place, unless of course you bi-wire or bi-amp these speakers.
7. Cut the provided foam sheet into appropriate sized pieces to line the side walls. Next, cut pieces into shape for the back wall, around the port and input cup. Apply Goop to cabinet walls and to cut foam sheets, wait a minute, and press onto appropriate walls. It is not essential to cover every square inch of the internal cabinet walls. A double layer may be used on the rear wall.
8. Assemble the remainder of the flared port. If you purchased the kit with cabinets, the middle piece is already cut to appropriate length. Although not 100% necessary, you may want to apply a small amount of Goop to the inside of the port collars before pressing all pieces together. Be careful not to push the already installed external flare back out of the cabinet.
9. Take provided Acousta-Stuf and split in half, one half for each speaker cabinet. Fluff up and position Acousta-Stuf over and around crossover board, the input cup and a little on the rear wall. Also place some up and around the port tube. Be mindful not to block any air flow to the inside port opening. You do not need to use all of the provided Acousta-Stuf, as you are provided an approximate quantity.

10. Apply foam gasket tape to the internal perimeter of the cabinet, where the front baffle will eventually rest. The purpose of this step is to ensure an airtight seal between the baffle and cabinet. Some customers prefer to use their own alternate sealer product, removable or permanent.
11. Properly mount the MD14-B4 pre-cut baffle into the cabinet with the screws and washers from step 2. The tweeter hole should look through to the port tube, the woofer hole to input cup and crossover area. The baffle is now correctly installed.
12. Apply foam gasket tape around the back flange of the tweeter and woofer. Also apply foam gasket tape around the recessed area of the tweeter hole on the front baffle – this is to ensure the tweeter will sit flush with the front baffle when mounted.
13. Pull the remaining wires through the appropriate cutout holes in the baffle. You have marked the tweeter wire with a marker or tape in step 4. At this point, take a look at how the internal wire has arranged itself inside the cabinet. A small amount of left over Acousta-Stuf or some that is accessible in the cabinet may be used to ensure the wire will not rest, rub or tap against any hard surfaces in the cabinet.
14. Carefully solder the leads to each driver. Observe polarity. (If you are questioning your soldering skills, we have provided quick connects to make this step a little easier. Once you crimp the quick connects on the stripped ends of the wire, press them onto the appropriate tabs of each driver. We highly recommend that you make this connection permanent by soldering the quick connects to the driver tabs at this time.)
15. Mount the drivers into the cabinets with the provided screws. We have provided you with your choice of Phillips head or Socket head screws. Take note of how you want the screw alignment to look, line up the driver accordingly in the baffle recess and proceed. Note: Bring the screw head just short of contact with the driver flange, and then tighten each screw slowly allowing the gasket to compress and the driver to become flush with the baffle.
16. Your ZA-SR71 kit is now complete.
17. Plug, play and enjoy!

Detailed information on this kit is available at www.madisound.com and www.zaphaudio.com