

ARIES SYSTEM 300 MUSIC SYNTHESIZER *****
SYSTEM ASSEMBLY

(AR-310 CASE, AR-322 POWER SUPPLY, AR-326 OUTPUT
CONTROL MODULE)

- () 1. Mount the power supply to the cabinet. Use two angle brackets mounted to the holes in the lower corner of the power supply board, with machine screws and nuts. NOTE: Some earlier boards do not have holes. If yours doesn't, drill a 1/8" hole, 1/2" up from the bottom and 3/16" in from the side, through each lower corner. Then screw them down to the cabinet, using the dimensions shown on the drawing (Power supply board 1.7/8" in from back recess, and 3" from side).
- () 2. Using a long wire, connect the terminals labelled "A" on all 10 connectors together. You may use bare wire, but run the wire tightly enough so it can't short to any other pin or to the metal bar.
- () 3. Similarly, connect all "M" terminals together.
- () 4. Finally, connect all "Z" terminals together.
- () 5. Cut three pieces of insulated wire, each 30" long, and strip 1/4" of insulation from each end.
- () 6. Solder one wire to terminal "A" of the connector closest to the left side of the cabinet (right side when viewed from rear). Solder the other end to pin 2 of one of the 8-pin (octal) plugs furnished with the power supply.
- () 7. Connect the second wire from terminal "M" of the same connector to pin 8 of the octal plug.
- () 8. Connect the last wire from terminal "Z" of the same connector to pin 4 of the octal plug.
- () 9. Twist, lace, or tape the three wires together neatly.
- () 10. Plug the octal plug into any one of the three sockets on the power supply.
- () 11. Assemble and wire in the AR-326 Output and Control Module if you've not already done so. (Refer to AR-326 Assembly Instructions). However, BEFORE CONNECTING +15v and -15v wires to the module, check the power supply connections as follows: (Disconnect if already wired).
- () 12. Plug in the Jones plug from the AR-326 On-off switch to the power supply.

() 13. Plug in the A C Line Cord from the power supply. Connect D C volt meter from the "M" terminal of any module connector to the "A" terminal (+ lead on "A"). Turn on AR-326 switch. Meter should read within 1 volt of 15 volts. If not, TURN OFF! Supply or wiring needs trouble shooting.

() 14. Turn off supply. Connect voltmeter from the "Z" terminal of module connector to the "M" terminal (+lead on "M").

() 15. Turn on supply. Meter should, again, read within 1v of 15volts.

() 16. Turn off supply, unplug A C line cord, and finish AR-326 assembly (wire up +15v and -15v lines).

() 17. Now plug in all of your synthesizer modules, if you have any. Be sure the board terminals are fully inserted in the connectors .

() 18. Trim and test each module, if not already trimmed WITH YOUR POWER SUPPLY.

() 19. Screw each module to the mounting strips, using 3 machine screws per module.

YOUR ARIES MUSIC SYNTHESIZER IS NOW READY FOR OPERATION !