

## INSTRUCTIONS

### Jordan JX92 8 litre enclosures

Updated March 2010

#### Kit contents:

- 14 precision cut 18mm moisture resistant MDF or 19mm solid timber panels (2 fronts, 2 backs, 4 sides, 4 top/bottoms, 2 braces (not in photo))
- 2 x 40mm diameter tuning ports
- 4 driver connection wires
- 2 gold plated round speaker terminal blocks
- 8 speaker mounting bolts & T-nuts
- 4 black Philips head screws
- 2 pieces felt to line inside walls
  
- 2 Jordan JX92 drivers



Speaker grilles are not included in these enclosure kits but can be supplied if required.

#### Tools Required:

- PVA wood glue
- Clamps or weights
- Philips head screwdriver
- 80 and 150 grade abrasive paper (power orbital sander makes it easier)
- Damp rags to clean up excess glue
- Stapler to fix felt lining in position
- Hand or power drill with a 2mm drill bit for the screw holes, 7mm for T-nuts
- Soldering iron to solder wires to the speaker terminals
- Optional: Emastak or similar vibration dampening compound (water based bitumen product)

#### Procedure:

1. Firstly check that you have all the components as listed above. Then have a read of all the instructions below so you have an idea of the sequence to follow.
2. Lay out the panels so that you understand how they fit together. A flat clean surface (not newspapers) eg an old towel on a table is best. The holes at the bottom of the back panels need to be opposite the hole for the tuning port not the large driver hole. And the rebate for the driver faces out not in.
3. Push one of the plastic tuning ports into the rear of a front panel's 40mm hole a make sure it goes through flush with the front face. If it is too tight use abrasive paper or a half round file to slightly enlarge the hole. Then remove the port and smear some glue onto the end then push it back into the hole. Check that the plastic is flush with the front face and that the tube is perpendicular with the panel. Once the glue has dried you can use abrasive paper to slightly round both ends of the tube.
4. Place one of the rebated side panels face down. Spread a layer of glue along all 5 rebates and position a front panel, rear panel, brace and a top and bottom. (Please note: the photos were taken of kits without the braces) You'll also need to apply glue to the rebates of the top/bottoms so that they will adhere to the front and rear. At this stage clamps are very handy to hold the panels together. If you don't have clamps you can use some elastic or rubber strips around the 4 panels.



5. If you wish to coat the inside of the box with Emastak or some other vibration absorbing coating do it before you glue on the last side. You should also line the inside with felt before gluing on the last side. Use a double thickness of felt directly behind the driver. The felt can be held in position with staples or contact adhesive.
6. Once you have the 5 panels so far all fitting snugly together you can apply glue to the top edges of the 4 upright panels and brace and then place the other rebated side panel into position.
7. Check that all the joints are closed. There should not be any gaps and the excess glue should be wiped off with a damp cloth. Use weights or clamps to hold all the panels in position until the glue dries. Allow about two hours.
8. Once the boxes are dry you can use an electric orbital sander to remove all traces of excess glue and any joint imperfections until you are left with a smooth neat box ready for finishing.
9. With the solid wood cabinets the care you take here getting the surfaces well rubbed down will pay benefits when you apply the finishing coats. If you are going to use wrap-on vinyl over the MDF you only need to clean down the surfaces with a barely damp cloth to remove any dust which would prevent the vinyl from adhering properly. If you are going to paint the boxes you will need to apply a sealer first to prevent the paint soaking into the edge cuts of the MDF.
10. Once the finish has been done it's a simply matter to fit the speaker terminals and drivers.
11. Temporarily position the drivers onto the rebated front panels with the magnets facing out and mark the position of the mounting holes. Drill four 7mm holes for each driver. Place the T-nuts in position on the back of the front panel and use the bolts to pull them into the mounting holes. Then remove the bolts and the T-nuts will stay in position.
12. Connect the wires to the drivers – the positive terminal on the driver is identified by a red dot, so the black striped lead goes to it. Be careful not to apply so much heat that the braids to the voice coil come off. Once all 4 wires are on the speaker connectors feed them through from the outside and guide them through the terminal block holes on the back panels.
13. The JX92 drivers will fit snugly into the rebates and it is not necessary to use any sealing material. Use the supplied bolts and T-nuts to hold them firmly in position. Make sure the driver is sitting flat onto the rebate. When fixed the front face of the driver surround should be flush with the front panel.
14. Fit the speaker wires to the terminals by soldering. Use the black striped cable to indicate positive – so solder to the red terminals.
15. Screw the terminals into position with the supplied screws (drill pilot holes first). Don't over tighten, you just need to do them up until the plastic frame is flat against the panel.
16. These are "bookshelf" size speakers so should not be placed on the floor. Use 600mm or higher stands, or stand them on a shelf or on top of other furniture. They can go close to walls. Experiment with position to find what sounds best in your room.
17. The speakers need to be "burned in" so the best results will probably be achieved after a couple of weeks.
18. On the EJJordan website mention is made of a simple passive network in series with the driver to enhance the low frequency response. We have not found this necessary but if you wish to experiment we can supply the components.

