Creating an Enclosure Box for your DreamCast Coder's Cable

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This is a small guide on how to make an enclosure box for your DreamCast Coder's Cable. You may feel free to use and redistribute this guide, as long as you claim no rights to the work itself.

Pieces Required

Finished Product

Items Needed	Tools Needed
3in x 2in x 1in Project Enclosure - Radio Shack $4.00 - DC Coder's Cable (Original - See Picture - Rubber Grommets (Optional) - Radio Shack $4.00	- Clamp or Vise - Power Drill - w/ Bits - Box Cutter - Marker (Light Colored) - Glue Gun - Electric Tape (Optional) - Small Phillips Head Screwdriver (tiny 'metal' ones wont work)

Creating and Securing the Enclosure Box

1.) Remove packaging from all items, including the plastic wrap around the Coders Cable. Make sure all the pieces are present and nothing is damaged.

2.) Prepare the tools required, and set up a decent sized working area. There will be plastic shavings and possibly hot glue leaks onto the area, so make sure you have a good workspace.

3.) Take the larger part of the **Project Box** (we'll call it the 'box', and the other part the 'lid'). Clamp the box down securely to a work table and prepare for drilling.

Photo 1: Clamping down and drilling the hole.

4.) Use the **Power Drill** to drill holes in both of the longest ends of the box. The holes should be about 4mm in circumference, 5mm or more if you're using **Grommets**. Make the holes about 1mm from the lip of the box, and make sure that the holes on each side are aligned through the middle *(See Photo 1)*.

5.) Using a **Small Knife** or razor, cut the edges out of the lip of the box so that the drilled holes make an elongated semi-circle shape *(See Photo 2)*.

Photo 2: Project Box with holes

6.) Put the small board of the **Coder's Cable** into the box to make sure the wires fit through the holes.

7.) Put the small board section of the Coder's Cable on to the lid (chip side facing up). With the board on the lid, situate it in the middle and use the **Marker** to mark each edge of the board.

8.) Ready the **Glue Gun**. Make four 4mm 'beads' of hot glue on each of the marked spots on the lid *(See Photo 3)*.

Photo 3: Hot Glue applied to the 'lid'

9.) Press the Coders Cable board softly onto the lid, aligning the edges with the drops of hot glue. Hold the board in place for 20 to 30 seconds *(See Photo 4)*.
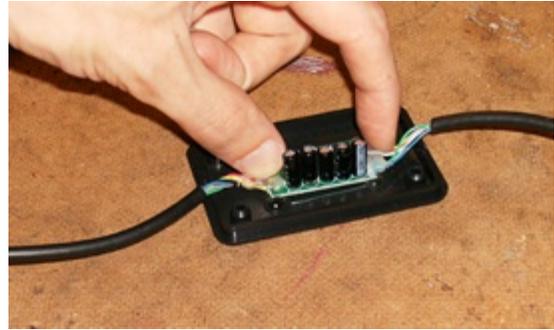

Photo 4: Press the board of the Cable onto the spots of glue

10.) Put four 3mm drops of glue at each edge of the cable board, making sure the drops touch the previously applied glue. Gently hold the board in place for 15-20 seconds. Check for adhesion, and slowly turn the lid upside down (inches off the working surface) to make sure the fit is solid *(See Photo 5)*.

11.) Now we'll want to make some 'plugs' or insulation where the wires pass through the holes on the box. If you have **Grommets**, find the appropriate size and make a single lateral slice with the a **Box Cutter** to be able to fit the wire through. Otherwise, you can apply tightly-wrapped **Electrical Tape**.

Photo 5: Board with both glue applications

12.) Put the main part of the project box on top of what you have so far, aligning the lip and taking care not to crush the wires. *Make sure the 'box' section is not pressing down on the tops of the capacitors!*

13.) Using a **Screwdriver**, screw in the 4 screws into the screw holes on the project box (See Photo 6).

Ta-da! Project completed. Now the precious little board will be safe from pressure, dropping and general mishandling!

Photo 6: Final Step, tightening the screws.