

E247 Power Jack and Plug set makes the connection from your power supply to dollhouse wiring. This equipment is secure, durable, and unobtrusive making it the best way to supply power to a dollhouse. The Power Jack is glued into a 1/2" hole in the foundation and connects to the dollhouse wiring with a *connection wire*.

Supplies you will need:

- Drill and 1/2" drillbit.
- Glue (I use Aleene's Tacky Glue but most wood glues would work).
- EL-66 electrification tool for making eyelet connections to the house wiring.
- Small Hollow Eyelet to join the connection wire to the house wiring
- Power supply sized for the electrical needs of the house.

See www.realgoodtoys.help for house-specific wiring info



Build and electrify your dollhouse following accepted practices (visit www.DollhouseWiring.com). Run your wiring all the way into the "cellar" as you build, if possible.

1. Drill a 1/2" hole in the foundation in a place that is unobtrusive on the dollhouse and convenient to the house wiring (usually the back or the back of one side).



2. Remove the nut from the Jack.

The Jack is sized for 1/4, 3/8, or 1/2" thick foundations. If your foundation is thicker than that, carve the inside of the foundation until the face of the Jack comes close to the outside.

Glue the Jack into the 1/2" foundation hole from the inside.



□3. If your wiring is already in the cellar, good! Otherwise, Cut a slot for the tapewire using an oscillating Multitool or drill holes thru the floor to access the house wiring with the connection wire.

Here, the Tapewire was run into the cellar



Here, the builder is drilling the Base Floor for the connection wire



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It is good practice to keep the copper-to-copper and the blue-to-blue in all wiring so you always know which lead you are connecting to; it is *essential* when you are using LED lights. The wire soldered to the Jack is color coded - hook the black wire to the blue foil in the tapewire, and hook the black wire on the Plug wire to the “-” on the Power Supply. Then you know that all your wiring is “-” on the blue and “+” on the copper. Solidwire electricians can switch the wires in the terminal block if the wires get mixed up.

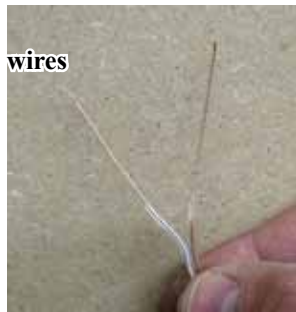
Black wire in the blue foil



Red wire in the Copper foil

□4. Tapewire: Poke a hole in each lead of the tapewire with the small (1mm) pin of the EL-66. Strip the ends of the connection wire and insert the ends into the hole. Push a small eyelet into the hole along-side the wire to stake the wire into the hole.

Strip the wires



EL-66 inserting an eyelet



□5. Insert the 90° Plug into the Jack.

Attach the bare ends of the Plug's wire to the screws on the Power Supply.

Plug in the Power Supply (if you have LEDs in the circuit and they don't light up, switch the wires at the Power Supply).



Step 5
Connect to the Power Supply