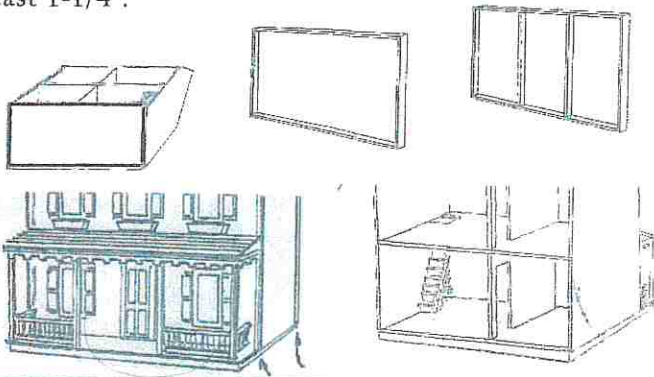


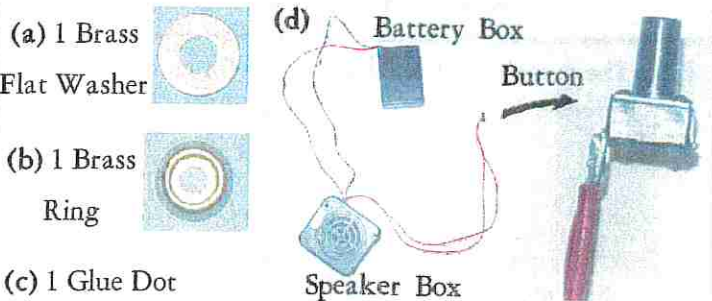
DOOR BELL DIRECTIONS

These directions are for a dollhouse that has 3/8" wall thickness, if the house you are using has thinner walls you will need to revise these directions to hide the switch inside the dollhouse wall; also the house must be sitting on a foundation at least 1-1/4" high. If the dollhouse is not sitting on a foundation it is suggested you build a foundation so that the doorbell speaker can be under or near the front door. It is recommended to read through the directions entirely before beginning installation.

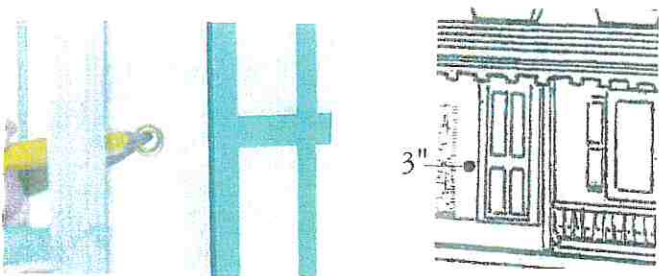
1. If your dollhouse does not have a foundation, it would be advised to build a foundation to raise the dollhouse. The directions below show a simple foundation which can be modified to conform to your dollhouse. The height of the foundation should be at least 1-1/4".



2. The following items are included in this package:



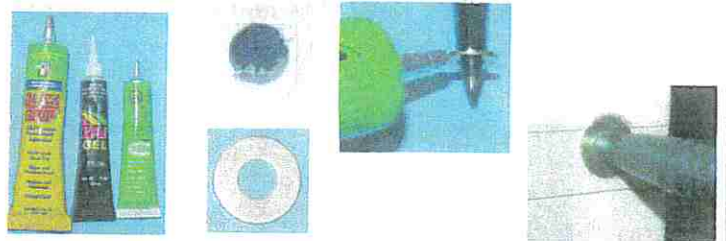
3. Using the brass ring to see where you want the doorbell, mark the middle of the ring with a pencil. The middle of the door bell should measure approximately 3" from the floor.



4. Using 3/8" drill bit, drill hole from the front of the dollhouse.



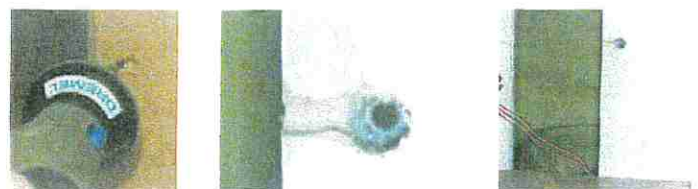
5. Using Cement for Metal/Wood or similar glue, place glue on outside of Brass flat washer. Insert the flat washer into the hole, flush with the outside of dollhouse.



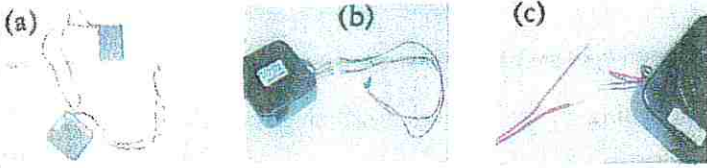
6. Touch-up paint around washer with house paint used for dollhouse, let dry. Carefully put a small amount of Cement for Metal/Wood or similar glue on underside of brass washer (be careful not to get glue inside of hole). Place brass ring over flat washer, lining-up center hole.



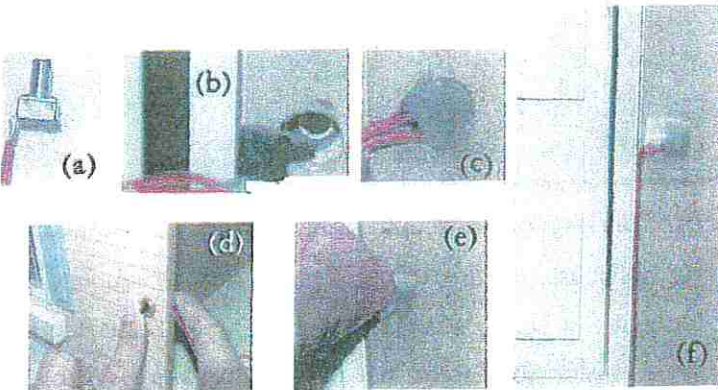
7. On inside of dollhouse cut out a section between hole and door frame with Xacto Knife or Dremel Tool. This will help the interior wall appear flat when the wires go across from the button to door opening.



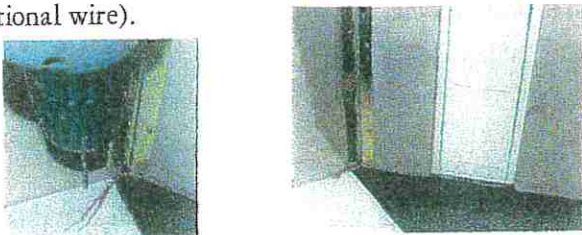
8. Using scissors cut the wires that go between the speaker box and the button (a&b); the place where the wire is cut depends on the length needed to go from doorbell to underneath the front floor of dollhouse. Next, strip the wire ends (c).



9. Bend the wires of the button as shown in picture (a), place the doorbell button into the hole from the inside of dollhouse (b), make sure that the button is straight when it comes through the front hole of the brass ring. Using the glue dot, (included) fill the hole (c), push all the way in (d). Place several pieces of clear tape over the filled hole (e), make sure wires are coming out of the hole on the side of the door opening, then stuff wires into the space between door frame and house wall (f).



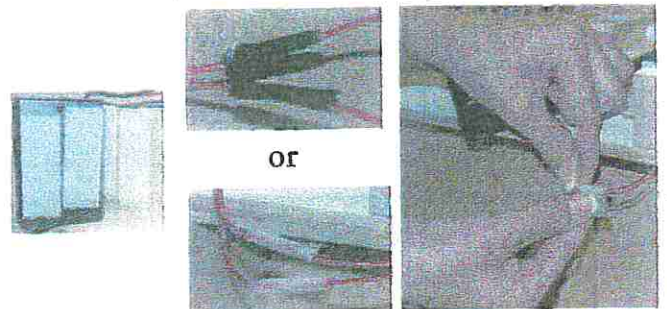
10a. Front Opening Dollhouse: Run the two cut wires from the button underneath the door to the hinged front corner of the dollhouse. Open dollhouse front to its full opening, run wires across to inside front of dollhouse. Drill 1/8" hole into the floor, place wire ends into the hole, coming out the bottom of the dollhouse (if wires are not long enough extend the length of the wires by adding additional wire).



10b. Back Opening Dollhouse: Drill 1/8" hole into the floor, directly where the wires come down the wall and put wire ends into the hole.



11. Tip dollhouse on its back for easier installation of the next step. Using "Velcro" (for easy removable to replace batteries) or double stick tape, fasten the battery box and speaker box to the bottom of dollhouse. Make sure the speaker box is as close as possible to the front door. Connect the wires back to each other, then use electrical tape or scotch tape (which is also safe to use) to cover connection. Place the two wires together and again wrap together with tape. Using scotch tape, tape down the wires so they are not hanging loose.



12. The outside is finished and ready for company.



Stucco



Siding

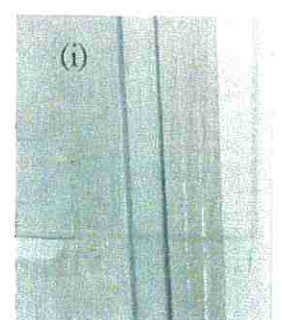
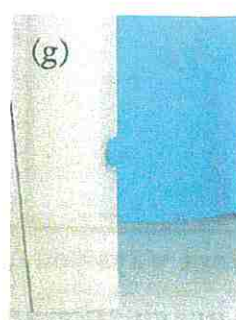
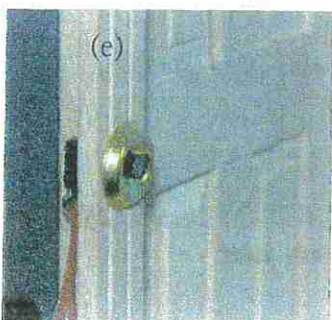
The inside wall of the dollhouse is now ready to wallpaper and put on interior door trim. The batteries last quite a long time, but it is convenient to have the battery box removable, or for added convenience place it on the side of the dollhouse and cover with a shrub.

Materials Needed

Foundation	Your Dollhouse Paint
Pencil	Scissors
Ruler	Scotch Tape
Drill	Electrical Tape (optional)
3/8" Drill Bit	Xacto Knife or Dremel
1/8" Drill Bit	Velcro
Pen	3 - AA Batteries
Cement for Metal & Wood	

Optional Installation

If your dollhouse is completely finished or you do not have access to a 3/8" drill bit, another way to install the doorbell is to place it in the exterior door trim. The exterior trim should be at least 1/2" wide. The door and door trim should be painted before starting. 1) Using a 1/8" drill bit, drill a hole 3" from the door frame floor. The hole should be in the middle of the width of the door trim (a). 2) Carefully put glue on the metal part of the button. If glue should get on the button, wipe it off. Place the button in the hole and hold until the glue dries (b). 3) The door jamb should have the button box on the inside, with the button going through the hole to the outside of door frame (c). 4) Place glue on the back of brass ring and attach to door trim, with button coming through the center of brass ring (d) and hold until glue dries. The door frame should look like diagram (e). 5) On the outside of the house where the door is being placed, mark a spot on the house where the button box needs to slide into, as in diagram (f). Cut a slot as shown in diagram (g). 6) Glue door frame into place. The button box should be in the slot that you cut on the house (h). 7) The inside is now ready to trim (i). 8) Continue with Door Bell Directions #8 - #12.



What can you do if your house is completely finished?

If your dollhouse is completely finished and you do not wish to use the other methods of installation there is another suggestion: 1) You could build a wing wall with a planter that would stick out on either side of the front door and install the doorbell in the wing wall, or 2) Turn the wing wall flat against the house and make it a planter. Below are some examples of a wing wall and a planter. The wing wall can be of any size, height or width you want. The size recommended is 3-1/2" tall with baseboard around the top to give it a finished edge. The wide edge of the baseboard should be on top. The size of the wing wall or planter used in our example is 1" by 3/8" by 3-1/2". The thickness of the wood only needs to be 3/32". A hole for the doorbell button still should be placed at 3" above the floor.

DIRECTIONS

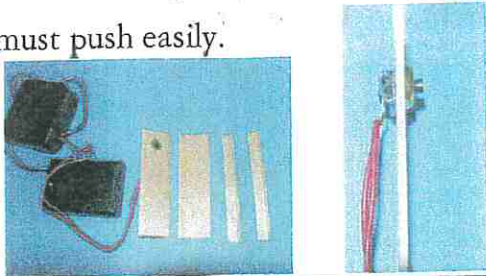
1. Cut 4 pieces of wood 1" by 3-1/2". Cut 4 pieces of 1/4" channel molding 3-1/2" long.



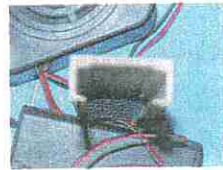
2. On one piece of the 1" by 3-1/2" piece, drill a 1/8" hole 3 inches from the bottom and centered on the piece of wood. Paint the piece of wood the color of the house or trim color.



3. Apply glue to the metal part of the button box. On the back side of the wood, insert the doorbell button through the hole of the wood above and hold until glue sets. It is important that glue does not get onto the button. The button must push easily.



4. Glue 1" by 3-1/2" pieces onto outside of channel molding. You now should have formed a box with the doorbell box inside and the button through the hole on the outside. The wire is coming out of the bottom.



5. Miter cut 3 pieces of baseboard. The size depends if you want a wing wall or a planter. The baseboard should be glued so that half the width is sticking up above the actual wall or planter with the thickest side on top, as shown below.



6. Finish painting the wing wall (a) or planter (b). Glue on the brass ring to fit over the outside of button. You are now ready to follow directions 8-12. Glue wing wall or planter in place on dollhouse. Add plants desired.

(a)



(b)



There are many different ways you can add a doorbell to your dollhouse, just use your imagination and see what you can design.