

## Battery Interrupter



Battery-operated devices such as toys, tape recorders, radios, lights, fans, etc. can be quickly adapted for external switch control by using this battery device adapter.

### **Materials:**

- \* One - 12 inch piece of 22 gauge, 2 conductor, stranded, speaker wire (Radio Shack #274-1385)
- \* One - 3/8 inch copper square cut to fit in battery slot (Radio Shack #276-1499) or 2 pieces of thin copper sheeting held together with double-sided carpet tape
- \* One - 1/8 inch inline phone jack (Radio Shack #274-333)
- \* Rosin core solder (Radio Shack #64001)
- \* Soldering iron

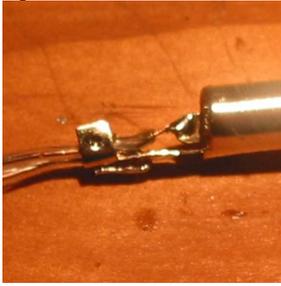
### **Directions:**

1. Separate the leads approximately 1/2 inch from both ends of the speaker wire using scissors or knife.

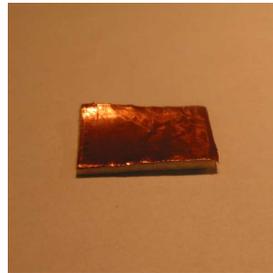
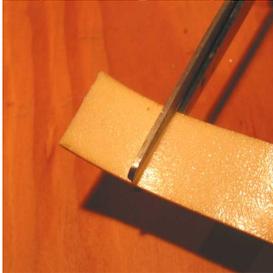


2. Using wire strippers or scissors, strip approximately 1/4 inch of the protective plastic insulator from each wire lead being careful not to cut any of the wires in the process
3. Unscrew the plastic case from the inline phone jack and you will see two terminals with holes in them.
4. Run the wire through clip and thread exposed ends of wire through each separate copper hole from the inside out.

5. Bend wires down away from phone jack and trim excess. Solder each wire to the jack.



6. Thread the plastic cover over the wire and screw it onto the jack base
7. Take the other end of the wire and solder exposed wire to each side of the copper square making sure that the plastic insulator on the wire is as close to the copper square edge as possible.



8. Your adapter is now ready to try on a battery device to see if it works! If does not work, check to make sure that:
  - A. You do not have any bare wires touching each other
  - B. Your solder points are not loose

### **Battery Interrupter Instructions**

Use to control battery-operated devices with a switch.

1. Select the BDA (Battery Device Adapter) that fits the battery or compartment size
2. Place the copper disk between the battery and the battery contact in the toy.
3. Replace the battery compartment cover (you may need to put a notch in cover so it can close securely).
4. Plug a switch into the BDA.
5. Turn the toy or device to the "ON" mode.

6. Use the switch to operate the toy or device.