

AC-SNAP Power Supply for Snap Circuits®

AC-SNAP is an AC power supply that replaces the batteries used in Elenco®'s Snap Circuits®. It can be used in place of one or two B1 battery holders (3V each), or one B3 battery holder (4.5V). It can also be used in place of one B5 battery holder (9V battery, 5V output) using additional components. The AC-SNAP should NOT be used with Snap Rover™ products.



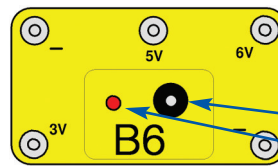
WARNING:

Read all safety information before using AC power supply.

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8 - 108

This product contains:

1. Elenco® wall-mount AC adapter:
Input: 120VAC, 60Hz
Output: 9VDC at 400/500mA
2. Snap Circuits® power supply part # 6SCB6,
identified as B6.
Output voltages: 3V, 5V, and 6V



3V - 3V output
5V - 5V output
6V - 6V output
(-) - 0V power return to supply
9VDC input jack from adapter
Power indicator

Safety Information:

1. Use only with 120VAC, 60Hz electrical outlet.
2. Use ONLY with Elenco®'s Snap Circuits® products.
3. Remove any battery holders from base grid before using AC-SNAP (AC-SNAP should never be used with batteries or other power supplies).
4. Always assemble Snap Circuits® projects with the 9VDC plug disconnected from the B6 power supply.
5. Use B6 power supply only with Elenco® AC adapters.
6. This AC power supply should be periodically checked for any external damage. Particular attention should be given to the condition of the cables, the adapter housing, and any visible metal. Should any fault be found the adapter should not be used until professionally repaired or a replacement obtained.
7. For indoor use only.
8. For Snap Circuits® projects that use the motor, NEVER touch the motor or fan when it is spinning.

WARRANTY POLICY

Your AC-SNAP Power Supply has been tested and conforms to our rigid requirements on performance and durability. It is guaranteed to be free of defects in workmanship, materials and construction for a period of 2 years. If this product should fail during normal use within the first 3 months from the date of purchase, Elenco® will repair or replace the unit at no cost. For the remainder of the warranty period, a nominal service charge is required to cover shipping and handling. Before returning any merchandise, please contact our service department at (847) 541-3800 or help@elenco.com to obtain a return authorization number (RMA).

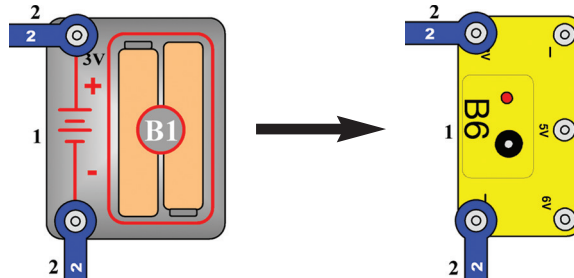
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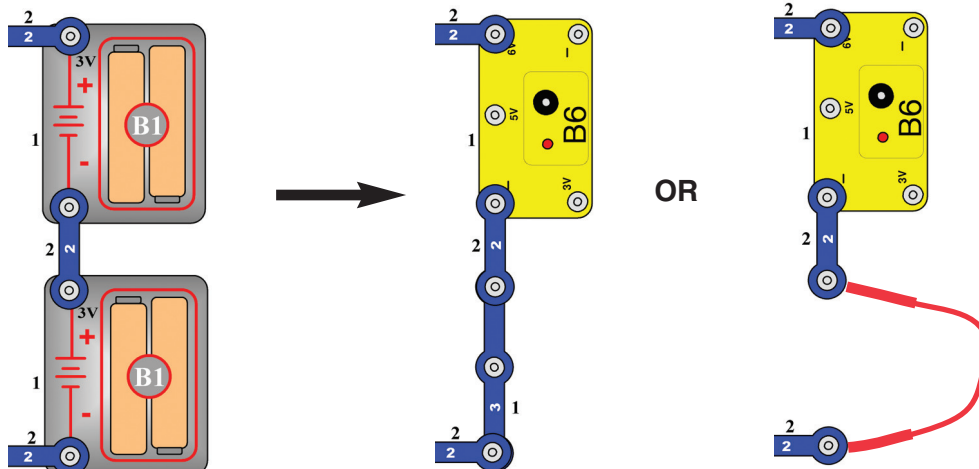
Operating Instructions:

1. Read all safety information carefully.

2A. **To replace one 3V battery holder B1:** remove the battery holder and place the B6 power supply in its place, with the 3V snap on B6 matching the (+) position on B1 and the (-) position on B6 matching the (-) position on B1. In projects 60 and 180, you must first swap the locations of B1 and switch S1, or B6 will not fit properly.



2B. **To replace two 3V battery holders B1:** remove one battery holder and place the B6 power supply in its place, with the 6V snap on B6 matching the (+) position on B1 and the (-) position on B6 matching the (-) position on B1. Remove the other battery holder and replace it with a 3-snap wire or a jumper wire. The B6 power supply cannot be used in SC-300/500/750 projects 103, 262, 276, 318, 622, and 689, and SCL-175 projects 12-14, 16, 46-58, 60, 92, 120, and 130-134 (these require two independent voltage sources); batteries must be used for these. SCL-175 projects 10, 17, and 163 will require an additional 3-snap wire or jumper wire.



2C. **To replace one 4.5V battery holder B3:** remove the battery holder and place the B6 power supply in its place, with the 6V snap on B6 matching the (+) position on B3 and the (-) position on B6 matching the (-) position on B1. Although the power supply has a higher voltage than the battery holder (6V vs 4.5V), your circuit performance will not be affected.

2D. **To replace 9V battery holder B5:** remove the battery holder and connect the B6 power supply with the 6V snap on B6 to the parts of the circuit that were connected to 5V on B5, and connect the (-) snap on B6 to the parts of the circuit that were connected to (-) on B5. This requires additional snap wires or jumper wires.

3. Plug the Elenco® wall AC adapter into a 120VAC, 60Hz outlet.

4. Plug the 9VDC plug of the AC adapter into the input jack on the B6 power supply. The red light on B6 should be on, indicating your AC-SNAP is ready for use.

5. When using AC-SNAP with **projects that run the motor and fan**, the circuit **may shut down after 1-3 minutes of continuous use**. This is due to thermal protection within the B6 power supply, and will be indicated by the red light in B6 being dim. **Unplug the 9VDC plug from the B6 power supply for a few minutes and then plug it in again.**

6. Circuit performance may vary when compared to using batteries. Contact Elenco® if you have any questions.