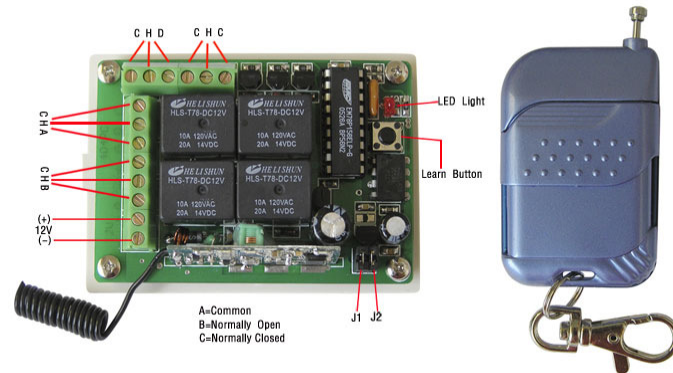
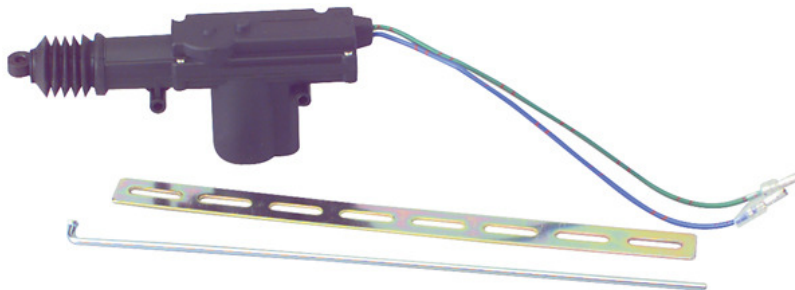


PARTS FOR ADDING REMOTE CONTROL TO YOUR LAUNCHER



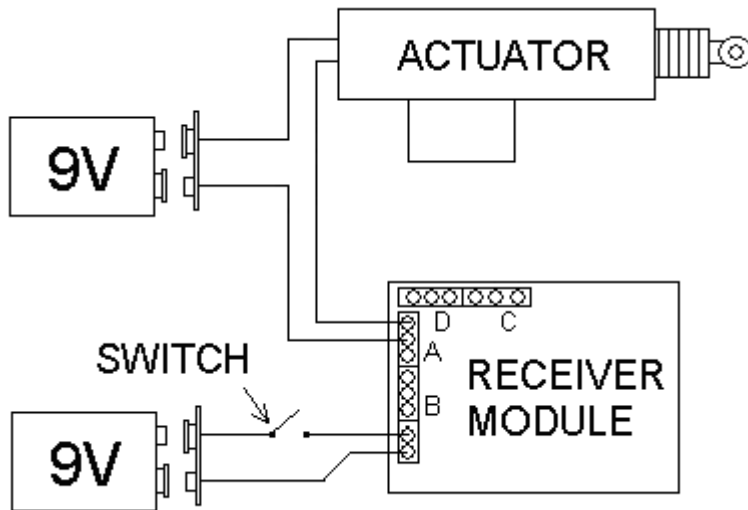
This 4-Channel remote control with relays came from EBay, seller is “coldfusionx”. Last time I checked, starting bid was \$12.50 + shipping. I bought 2 sets for \$34.50. The transmitter has 4 buttons (A,B,C,D) under the sliding cover. By using Channel A on one launcher, Channel B on the next, etc, 1 transmitter could be used to operate up to 4 receivers (one channel each), or you can operate up to 4 different devices from one receiver (like multiple launchers, or a launcher and dog silhouette, etc.). You just have to wire the additional devices to the receiver (see p. 3). Also, these transmitters & receivers are encoded and the receivers have to “learn” to recognize the transmitter, so you can use 2 or more of these transmitters in the same training location without worrying about operating the wrong receiver.

I didn't try to buy the receiver module separately because I figured it would be good to have a spare transmitter. Specs & directions are at www.support.lightobject.com. There are other similar units available on EBay and on the internet, some with 6 or 8 channels if you want to operate more than 4 devices or functions.



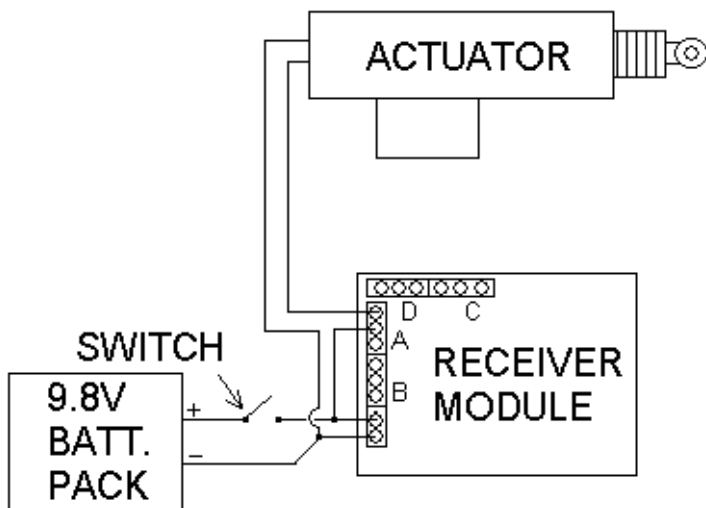
This is what I used to operate the release mechanism. It's a door lock actuator from Parts Express, www.partsexpress.com, part number 330-010. Cost is \$4.97 for 1-3, \$4.25 for 4 or more, plus shipping

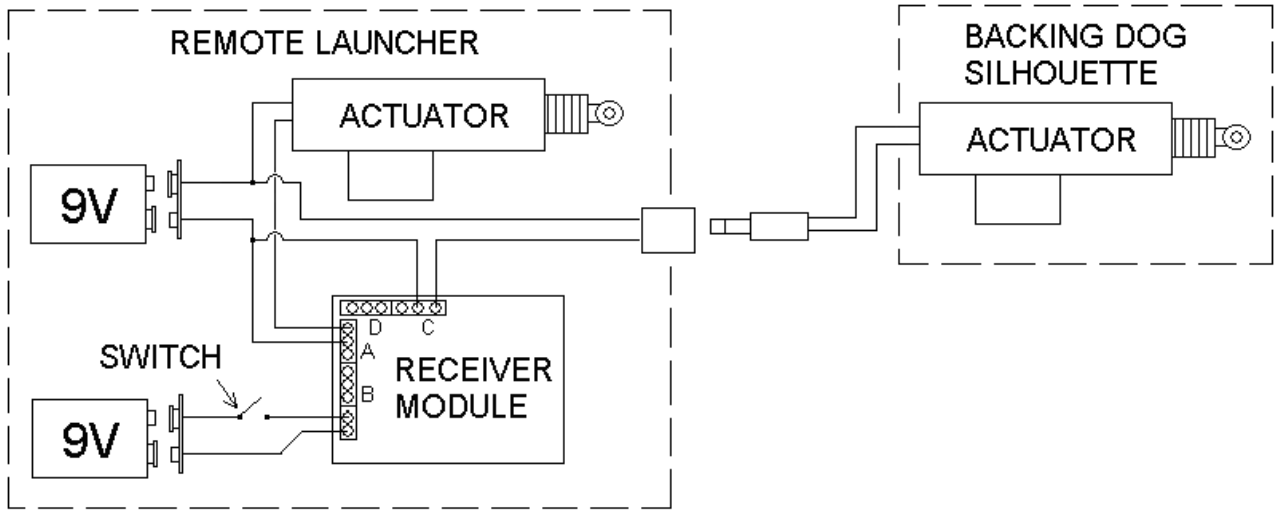
Here's the way I connected things:



I used two 9 volt batteries to operate mine, which is OK so far. I'm just not sure how long it will last, but I think it should be a fairly long time. They are light and easy to get. You could also make a 12 volt battery pack by using 8 AA cell batteries and a battery holder from Radio Shack, or use a 9.6V rechargeable battery pack. Rechargeables are OK, but you have to remember to charge them. Wired this way, actuator will travel in one direction when powered (either in or out depending on which way the wires are connected) and must be returned to the original position manually.

Here's one way to wire it using a single 9.8V rechargeable battery pack. Since the relay in the receiver will control the current to the actuator, the actuator can be wired in before or after the on/off switch.





The receiver could be mounted on one device, like a launcher, then connected to other devices using lengths of wire and jacks. Wired like this, the C channel would be used to raise the backing dog silhouette, and the A channel would release the bird.