

Trend Pro Airshield Battery Replacement

I have a Trend Pro Airshield and needed to replace the batteries, seeing the price of a replacement and having an electronics background I decided to rebuild my own at a fraction of the cost. Total cost of batteries with shipping \$15.07 vs. \$80.00, total time to replace 25 minutes. I've attached a diagram somewhat poorly drawn but is accurate, also attached is a stock photo of the rebuilt pack. I ordered the batteries from BatterySpace.com part number MH-4/3A3800B. (Make sure you order with tabs there much easier to solder)

To replace, take the top off the old pack, it snaps off with a screwdriver, pry the old pack out. Cut the wire for the positive and negative leads from the housing at the batteries. Next cut out the white thermal protection resistor at the batteries, make sure you leave as much wire on as possible to re-solder. Save the two insulators on either end of the pack.

Start by soldering the two tabs of the new batteries together, then re-solder the thermal protection device in the same order you took it out,(This keeps the battery from overheating or shorting and causing a meltdown don't skip this) then re-solder the positive & negative leads from the housing to the last two appropriate terminals. Use electrical tape to keep the end cap insulators in place, also be sure to wrap any connections securely. To wrap the battery pack I used a large piece of heat shrink tube I had, if you don't have or can't get heat shrink that size (you can order it with the batteries for an additional \$4.00) electrical tape will work as well. Reassemble and test.

According to the battery specs you should get about 5-6 hours out of a charge.

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