

Pokémon Go Egg Hatching with Create® 2

Summary:

Have you recently downloaded Pokémon™ Go? Are you trying to be the very best and catch 'em all? Don't actually want to get off the couch and walk to hatch those eggs? We've got a solution for you!

The iRobot Create® 2 can aid in hatching your Pokémon™ Go eggs. While your Create® is running it can rack up some serious "walking" kilometers that will be valuable in getting those eggs hatched. So here's how to charge your phone using your Create® at the same time!

Supplies

You will need five simple components to make a Create® phone charging cable. Please note: Do not use the Create 2 USB to Serial cable for this project; it will not work.

1. Tensility 10-00543 Cable (\$7.39 at DigiKey.com)
2. A 5V DC to DC Converter (UBEC Adaptor DC/DC Step-Down Converter was used for this project (~\$10))
3. USB Extension Cable (~\$5)
4. A two- or three- pin male 0.1" Pitch Rectangular Connector
5. Phone Specific USB Charger

Instructions

First you will need access to the serial port, this is done by removing the face plate of the Create®. The 7-pin MINI-DIN Cable will be able to plug into the serial port at the 3 o'clock position. We will need one of the battery voltage pins and one of the ground pins. For this tutorial, we used pin 1 (red on the Tensility cable) and pin 6 (yellow on the Tensility cable). The others can be cut short to keep out of the way. The UBEC Adaptor has an input and an output side. The input will have a red and black wire that have exposed ends. Solder the red wire to the battery voltage on the 7-pin MINI-DIN Cable and the black wire to ground on the 7-pin MINI-DIN Cable.

Take the USB Extension Cable and cut it in half; you will only need the female end. There should be four exposed wires of colors: black, red, green, and white. The green and white wires should be tied together. Solder them together in order to maintain a stable connection. Now take the male header and wrap the exposed ends of the black and red wires around two separate pegs on the header. You should solder these connections as well. This header can now be inserted into the UBEC output. Make sure that the pins are inserted such that connections are made between like color wires.

You should cover any exposed wires with heat shrink tubing, electrical tape, or hot glue. You should also use Velcro® or simply tape your phone and wire assembly to the top of your Create® to keep it from falling off.

Now just plug this cable into your Create®, connect your phone, and sit back and relax as you hatch some brand new Pokémon™!

