



## Crowbox (3rd Generation) - Bill of Materials Checklist

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For more information on individual items from this checklist, consult the Bill of Materials section on the Crowbox guide wiki at [thecrowbox.com](http://thecrowbox.com)

### Fasteners and Hardware

- M3 machine screw assortment
- Fender washers (counterweight)

### Adhesives and Tapes

- Sci-Grip #16 acrylic cement (5oz tube recommended, 1.5oz tube OK)
- Precision glue applicator tips
- Cyanoacrylate 'super glue'
- Outdoor or all-weather duct tape
- Aluminum foil tape or copper foil tape
- Non-skid (traction) tape
- Masking tape or painter's tape

### Electronics

- Arduino UNO R3 microcontroller
- USB type A/B cable (may come packaged with some Arduino UNO clones)
- 170 point mini breadboard
- 6mm PCB mount pushbutton
- Screw terminal blocks
- HiTec HS-311 servo
- 20AWG stranded hookup wire
- Breadboard jumper wire kit (NOT Dupont style)
- M3, 20 AWG Ring Terminals

### Acrylic Parts

- Laser cut transparent parts
- Laser cut solid color parts

### Power

- Option A - AC Power
  - Power Pigtail
  - 5V2A A/C Adapter
  - GFCI protection device
- Option B - USB Power Bank
  - 'Always On' Powerbank
  - USB type A screw terminal
  - Optional: USB Solar Panel

### Tools and Other Supplies

- Wire stripper & crimper tool
- Screwdriver compatible with whichever style of M3 machine screws you selected
- Cable ties (small four inch type recommended)
- Cable ties (standard size, optional)
- Hobby knife or razor knife
- Needle nose pliers
- Sandpaper (180 or 300 grit)
- Ruler