C.C.H

P Paglia Industries

VIEW IN BROWSER

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Summary

This is my Central Command Hub (C.C.H) for my custom A.I named B.A.X.T.E.R. B.A.X.T.E.R (Bionic And X-tremely Terrific...

Hobby & Makers > Other Ideas

This is my Central Command Hub (C.C.H) for my custom A.I named B.A.X.T.E.R.

B.A.X.T.E.R (Bionic And X-tremely Terrific Robot) is created/developed using a MOVI Shield: https://www.audeme.com/movi.html

A MOVI Shield is a voice synthesizer and speech recognizer for Arduino that it really easy to program. With this Shield attached to an Arduino Mega or Uno you can control Lights, Robots, or anything you want with your voice.

This is my box that I designed to house all the components such as the MOVI Shield, the Arduino or Arduino's, the Speaker, A Small Power Bar, a long Breadboard, Relays, LEDs, a 16x8 LCD Screen, Small Cooling Fans, RC Receivers and Transmitters, etc... There is enough room in the box to fit all your needs.

The completed box dimensions are:

Length: 320mm

Width: 230mm

Height: 290mm

BAXTER C.C.H V.1.5.zip contains everything from all the stl files to the assembly pictures, and the code.

PLEASE NOTE that the CODE is NOT YET COMPLETE and is Customized to my needs (Feel free to fit it to your needs). Now, the code will work when it is uploaded to the Arduino and MOVI Shield but it is a quick draft. This means the code has not reached it's full potential yet. I have a lot more programming and wiring to do. When I have more time I will work on the code and get it to its full potential. When that is ready it will be posted on my Instructables page: https://www.instructables.com/member/pagliaindustries/instructables/

More details about this project can be found here on the Instructable I created:

(https://www.instructables.com/AI-Central-Command-Hub/)

Print Settings

Printer:

Your Choice

Rafts:

No

Supports:

No

Resolution:

0.15

Infill:

10%

Filament:

Your Choice PLA

Your Choice

Notes:

All Parts are made to fit on a 200mm x 200mm print bed.
No Support Needed for any of the parts.

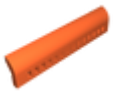
The parts are quite thick and robust so I used 10% infill and I ended up using about 2-3kg of plastic for the whole box.

Zip folder contains everything you need, along with assembly pics.

Category: 3D Printing

Model files

Parts 43 files



part-8.stl

part-14.stl

part-15.stl

part-28.stl

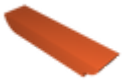
part-13.stl

part-7.stl

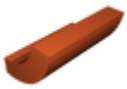
part-2.stl

part-10.stl

part-11.stl

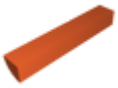


part-16.stl



part-23.stl

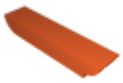
part-22.stl



part-18.stl

part-21.stl

part-29-v2.stl

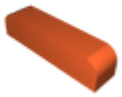


part-17.stl

part-28-split-r.stl

part-10-v2.stl

part-3.stl



part-6.stl

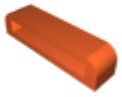
part-20.stl

part-9.stl

part-29.stl

part-1.stl

part-4.stl



part-5.stl

part-24.stl

part-26.stl

part-28-split-l.stl

part-12.stl

part-25.stl

part-27.stl

part-1-no-hole.stl

large-nub.stl

front-ring.stl

lens.stl

outside-ring.stl

led-plate.stl

small-nub.stl

inside-ring.stl

back-cap.stl

ai-eye-rgb-led-holder.stl

clear-ring.stl

Other files

Codes 2 files

baxter_cch_ai__works.ino

eye_led_ring_code.ino

baxter_cch_v15.zip

Find source .stl files on Thingiverse.com

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