

## DPRG RBNV Chat Record – February 21, 2023

Carl Ott

7:39 PM

~7:38pm - Ray showed a cool looking three phase DC brushless motor controller.

Carl Ott

7:44 PM

inexpensive - not much documentation but looks very interesting & capable. <https://www.aliexpress.us/item/3256801551898326.html>

Carl Ott

7:45 PM

Ray Also gave a demo of the motor driver moving a hover board motor & wheel.

ed mart

7:53 PM

How does LED graphics on hub center work?

Thank you.

Carl Ott

7:56 PM

~7:55pm - Michael has a question about 6-can. Wants to do the drive-by technique, using ultrasonic sensors for the challenge -instead of a camera.

-> led to a healthy discussion of this approach / pros / cons / things to think about

Carl Ott

8:13 PM

~8:08pm Carl showed a change to the Arduino extension for VS Code. Looks like something getting deprecated with now that Arduino has released v2.xxx versions of their IDE.

Carl Ott

8:22 PM

Then a discussion of building a time-lapse camera to get decent quality pictures of a long running project - lots of good ideas in the discussion / e.g. setting up to automatically capture on motion

John Gauthier

8:25 PM

This is the link for how to set up and configure the Motion app on Linux.

[https://motion-project.github.io/motion\\_config.html](https://motion-project.github.io/motion_config.html)

Carl Ott

8:27 PM

~8:26pm - Scott G - made good progress s- built a new 6-can course / plugs together with no tools / folds up into 4 separate pieces.

ed mart

8:30 PM

Wallace and Gromit

Carl Ott

8:31 PM

Wallace and Gromit are fun!

Reminder - please send me a note via email if you're interested to swing by and see my 1957 roadster restoration project - before parts start coming off for outsourcing work... [carl.ott.jr@gmail.com](mailto:carl.ott.jr@gmail.com)

Carl Ott

8:33 PM

~8:33pm - Scott G showed a robot with a new high-power processor.

ed mart

8:35 PM

Wallace and Gromit train chase <https://youtu.be/jrmZlgVoQw4>

Carl Ott

8:37 PM

~8:35pm Cooper showed an impromptu demo of a robotic arm design / doing this with a goal of a fun item on the desk - or also as a portfolio piece to get into industry.

ed mart

8:51 PM

Does Dallas makerspace have a metal shop?

Carl Ott

8:52 PM

Ed - yes DMS has quite a metal shop - lots of tools - big and small...

~8:51pm - discussion on a Fusion 360 compatible gear generator

Jack

8:59 PM

I'm going to go. Have a good week!

Carl Ott

9:06 PM

~9:06pm - Doug P - shared interesting finding - an AA battery - is actually a Lithium battery regulated down to 1.5V

Carl Ott

9:08 PM

Tried shorting it - and the protective circuit kicked in - tested it with Thermal imaging. it did raise to 87C, but otherwise ok.

Found 1955 mAh at 100 ma, and at 250 mA did 1850 mAh. So quite good capacity.

ed mart

9:16 PM

Battery cost?

Doug P

9:17PM

About \$20 for 4.