DPRG RBNV Chat Record - September 24, 2024

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Mickey Dean
7:31 PM
Hi guys
I have fallen asleep the last few meetings as it gets past my bedtime
so I have had to rewatch the YouTube
Mickey Dean
7:34 PM
Karim? are you saying I can use an M8 as a base station at least
doug paradis
7:38 PM
Carl, we should be recording.
You
7:39 PM
yeah
keep
Pin message
Mickey Dean
7:40 PM
i have killed too many Pis
Ponder SomeMore
7:42 PM
Mickey, yes
You
7:44 PM

~7:44pm - Ray continued a discussion on GPS RTK modules that he's been working with from Sparkfun
keep
Pin message
Mickey Dean
7:45 PM
Karim, I assume that was a response to using an M8 as a base station, that is good since I foolishly bought one
but I gather I need a Zed7P if I recall correctly for the RTK part on the rover
You
7:47 PM
~7:47pm - Ray showed live video of his setup
keep
Pin message
Ponder SomeMore
7:50 PM
i
I'm using a zf9p for rtk
Mickey Dean
7:51 PM
Karim I guess I am asking id I have wasted my money on the M8? if I can use it as a base station then I have not
Ponder SomeMore
7:53 PM
which version of m8?
Neo-m8p-2 seems to have both
Mickey Dean

7:54 PM

I will get back to you on Discord later, thanks for the follow-up

You

7:55 PM

Reminders as noted at the top of this meeting: Monthly Meeting this next Saturday 28 Sept 2024 With 2 presentations "How to Debug with JTAG" for microcontrollers and even the Raspberry Pi "ROS2 on Raspberry Pi Zero 2W" project – the cheapest way to experiment with ROS2. More details https://www.dprg.org/category/news/

keep

Pin message

RoboColumbus racing towards us 26 Oct in Ontario & 23 Nov in Dallas More details https://www.dprg.org/robocolumbus-2024/

keep

Pin message

Mickey Dean

7:56 PM

pretty sure mine is a CAM M8

so likely not going to work as a base station

was just hoping

Mickey Dean

8:08 PM

very useful, i still hate i was foolish enough to buy a GPS device without UNDERSTANDING what I needed

Mickey Dean

8:10 PM

sadly Virginia has not

Ted Meyers

8:15 PM
Ray _thinks_ that it is a "chick" magnet; in reality it is a "nerd" magnet; just look around
You

Ted +1 or - maybe he just has to turn the magnet around so the poles point the other way?

keep

8:16 PM

Pin message

Mickey Dean

8:21 PM

they are nice cleats

Mickey Dean

8:22 PM

i use an electrical cover plate too

it is a nice adapter

Mickey Dean

8:26 PM

so a mower would have an IMU issue, eh?

especially a gas-powered robot mower

Ponder SomeMore

8:31 PM

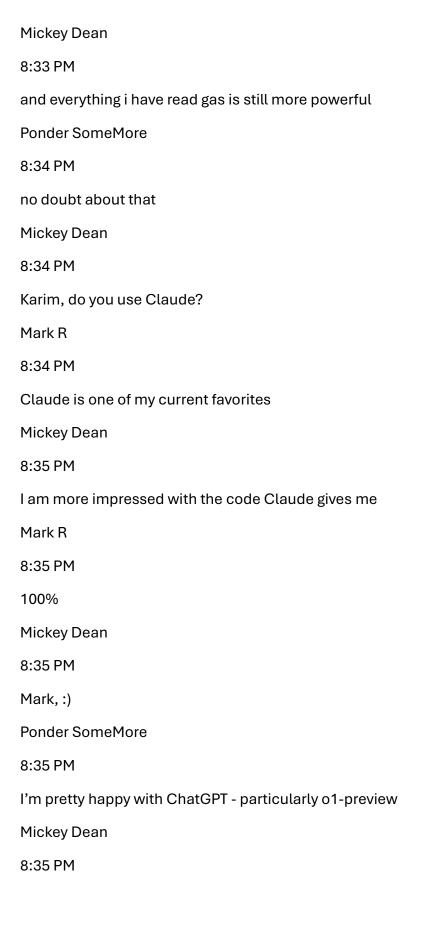
Vibration is a concern. there are mounting options (damping gel) that can address this

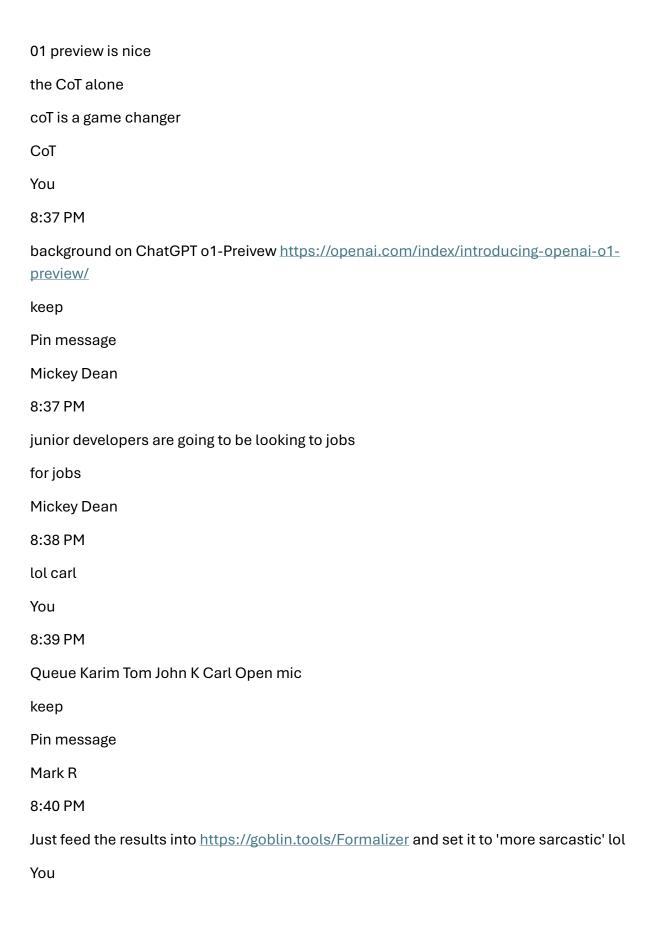
Mickey Dean

8:32 PM

ty Karim, i have investigated some of the methods but frankly not sure they could mitigate the vibration but i got to try

otherwise, i have to move to an EV mower





8:41 PM ~8:41pm- Karim showed a Rpi stack up with MME board on top - and has now corrupted it somehow. mounted to a wave-rover keep Pin message refer to the Discord channel keep Pin message Mark R 8:48 PM https://a.co/d/3VLB9Q8 still at \$99 Mickey Dean 8:52 PM Karim, what is max amp Mark R 9:04 PM Waveshare have so many great toys You 9:05 PM Refer to Discord / Member Projects / for Karims Waveshare Writeup keep Pin message Ponder SomeMore

by max amp i was just talking about stall amps for a given motor

9:05 PM

Ponder SomeMore

9:06 PM

here's the link to my gps rtk notes:

https://docs.google.com/document/d/1ASOmjeLvpy5IoUMK5oWiDU-RkHOjUReeAy883STYLiY/edit?usp=sharing

You

9:07 PM

~9:05pm - Tom gave an update - progress taking a cheap radio controlled toy truck to be controlled by a single chip computer...

keep

Pin message

Mark R

9:07 PM

I need to drop, have a good evening all, see you Saturday

Ray Casler

9:07 PM

thanks Karim

You

9:13 PM

~9:12pm - John K showed a fun server robot concept

keep

Pin message

You

9:16 PM

Carl – found a cool looking new board based on RPi Cytron Motion 2350 Pro RP2350, 4 motor drivers, 8 servos, grove connectors,

etc... https://www.tomshardware.com/raspberry-pi/raspberry-pi-pico/cytron-motion-2350-pro-review \$24.90 at https://www.cytron.io/p-motion-2350-pro

keep

Pin message

Ponder SomeMore

9:20 PM

I have a question for Doug based on prior discussion