

DPRG RBNV Chat Record - March 18, 2025

00:11:19.796,00:11:22.796

Paul Bouchier: Mike shared his github repo. It's public at github.com/mikew123

00:16:05.902,00:16:08.902

Paul Bouchier: Mike has block diagrams, pictures, schematics & everything. He walked through the block diagram.

00:19:17.492,00:19:20.492

Chris N: I have to step away for for 10min.....

00:29:21.093,00:29:24.093

Paul Bouchier: Mike has sensors working, displaying properly on rviz. Is timetamping transforms from base_link to lidar

00:29:36.140,00:29:39.140

Paul Bouchier: It works on teleop, can see map change

00:40:35.493,00:40:38.493

Carl Ott: Paul - navigating the hallway - Big Bright Gold Star!!! - somehow decided not to grab one of Paul's toes...

00:47:25.736,00:47:28.736

Ray Casler: not quite ready for prime time?

00:48:32.883,00:48:35.883

Ray Casler: brace for impact!!

00:53:45.516,00:53:48.516

Pat Caron: Even if not working properly, it's a GOLD STAR!

00:57:12.406,00:57:15.406

ed mart: Gold Star

01:00:37.623,01:00:40.623

Mike Williamson: https://github.com/micro-ROS/micro_ros_stm32cubemx_utils/issues/131

01:04:27.559,01:04:30.559

Paul Bouchier: Fernando showed his new swerve drive implementation, with two swerve pods, & two idler omni-drives

01:25:23.237,01:25:26.237

Paul Bouchier: Discussion & brainstorming on how to "zero" the swerve drive wheel direction

01:30:50.238,01:30:53.238

Paul Bouchier: Fernando reported that his Ender3 printer is back up - wasn't bricked after all.

01:33:27.504,01:33:30.504

Paul Bouchier: Doug showed the table-bot robot control PCB boards that he received & has populated

01:36:01.507,01:36:04.507

Paul Bouchier: He hasn't powered it on yet.

01:37:18.301,01:37:21.301

Paul Bouchier: Mike put Robie's head back together. Discussion about what to use for a camera.

01:50:40.449,01:50:43.449

Paul Bouchier: Discussion of the kickstarter camera that Pat posted about on Discord

02:05:04.544,02:05:07.544

Paul Bouchier: Pat found the problem in the lidar code he showed last week - the for (scan in scan.data) was never getting out of the loop - there was always data available. He fixed it by spawning a thread to consume a scan when one has been read.

02:23:09.206,02:23:12.206

Pat Caron: See you on Saturday

02:27:00.355,02:27:03.355

Doug P.: BMS: <https://www.amazon.com/dp/B0DSW75YXW> ?

02:29:00.528,02:29:03.528

Doug P.: Google LX-LISC-V2 for better descriptions

02:37:42.941,02:37:45.941

Paul Bouchier:

https://www.lcsc.com/datasheet/lcsc_datasheet_2304062030_INJOINIC-IP2326_C2832094.pdf