

DPRG RBNV Chat Record – September 3, 2024

00:10:09.863,00:10:12.863

Pat Caron: Mike W. presented his theatre puppet robot c/w mechanum wheels. He showed the robot rolling around using an R\C transmitter and his bumper limit switch arrangement. It has a servo to move the head.

Gold/black star??

00:35:03.919,00:35:06.919

Ted Meyers: Pololu plastic motor: <https://www.pololu.com/product/3675>

00:35:06.486,00:35:09.486

Pat Caron: Ray presented his 3d print design for adding encoders to TT motors on his 2wd smart car. He hot glued the 3d printed encoder adapter to the TT motors.

00:44:55.589,00:44:58.589

Pat Caron: Doug P presented his latest curb find. He found a pull type golf cart that he scavenged the wheels from. He 3d printed a wheel adapter so he can drive the wheel. He purchased new power wheels motors c/w encoders from China.

01:16:08.387,01:16:11.387

Pat Caron: Harold showed his latest balancing robot acquisition. He showed the robot balancing. He also demonstrated a not quite working phone app for the robot. It uses an Arduino Uno as the controller.

He also showed his Tach Tach PCB he had made.

Gold star!

01:38:48.843,01:38:51.843

Pat Caron: <https://wiki.sipeed.com/hardware/en/maixsense/maixsense-a010/maixsense-a010.html#:~:text=MaixSense-A010%20is%20an%20extremely%20cost-effective%203D%20sensor%20module%20composed%20of>

02:02:05.350,02:02:08.350

Pat Caron: Tom C presented his RVC control receiver PWM conversion project. He is converting the pulse width modulation pulses on separate rvc channels to a pulse position modulation on a single pin. He is using a DigiSpark controller using interrupts.

02:05:50.048,02:05:53.048

Pat Caron: Earlier, Pat showed a PCB he had made at JLCPCB. He already ordered one with the power separated from the USB power. He also showed the progress he made with a MaixSense A010 TOF sensor.

02:11:25.290,02:11:28.290

Pat Caron: Mike W mentioned that he was changing his RPI 5 to use M.2/NVME drives. Doug P showed the board that he used along with a header extender.

02:12:48.174,02:12:51.174

Mike Williamson: <https://www.waveshare.com/pcie-to-2-ch-m.2-hat-plus-b.htm>

02:14:52.247,02:14:55.247

ed mart: Another GREAT JOB, thank you, Pat C