

| ASME at UCF

2021 SumoBot Competition Instructions

Teams are required to submit a CAD assembly of their robot chassis before parts will be supplied to them. This is to ensure that teams are actively working on the project. After a CAD assembly is reviewed, teams will receive: (1) TF Luna Mini LIDAR Sensor, (1) L298N Stepper Motor Controller, (1) ELEGOO Mega 2560 R3 Board and additional wires.

DC Motor and Stepper Motor Instructions:

ucf.zoom.us/rec/play/xDIAU3lw1L-vuMpsshwgwYaG3pgTm8aHTsPi-pEydGMiiUxeF8zLfXsxMdx_OW2mdMchIbJ6KKtCPem1.Nv6_UPkmbPhjEIS?startTime=1616184867000

LIDAR Instructions Slide:

<https://docs.google.com/presentation/d/10spUcYheorW6264Ag6YammbFTDUY0jM3PWzYoDKdMR8/edit?usp=sharing>

Arduino File Github Link:

https://github.com/JackQualls/TFLUNA_CODE_FOR_ASME