

Mecanum Car Commands

Use Wi-Fi to establish a connection between the Mecanum Car and a client device.

Send Command & Receive Response

Mecanum Car IP: **192.168.10.1** UDP Port: **4444**

- Step 1: Set up a UDP client on the client device to send and receive messages from the Mecanum Car via the same port.
- Step 2: Send any available command to the Mecanum Car to control it.

Control Commands

Command	Description	Possible Response
move forward time x	Drive forward for x milliseconds. x = 10-30000	ok/error
move back time x	Drive backward for x milliseconds. x = 10-30000	ok/error
move right time x	Drive to right for x milliseconds. x = 10-30000	ok/error
move left time x	Drive to left for x milliseconds. x = 10-30000	ok/error
cw time x	Rotate clockwise for x milliseconds. x = 10-30000	ok/error
ccw time x	Drive counter-clockwise for x milliseconds. x = 10-30000	ok/error
move diagonal y time x	Drive diagonal for x milliseconds in y direction. x = 10-30000 y = "rf": right front "rb": right back "lb": left back "lf": left front	ok/error
rc x y z	Apply speed to x y or z direction. x (backward - forward) = -127 to 127 y (left - right) = -127 to 127 z (rotation ccw - cw) = -127 to 127	-
stop	Set all speed to 0.	ok/error