

Movement methods:

Method identifier:

"raw" - array of raw values indicating length of the six muscles "xyzrpy" – aray of six values for xyz translations and rotations

- x translation is forward/backward movement (surge)
- y translation is side to side movement (sway)
- z translation is up/down movement (heave)
- x rotation is tilting on front/back axis (roll)
- y rotation is tilting on lateral axis (pitch)
- z rotation is tilting on vertical axis (yaw)

argument units default to normalized values (range between ± 1.0) In future, "units": "real" can be included in message to provide real world mm values for translation, degrees for rotation

args:

An array of six floating point values

Example: send command with 10% heave (upward movement), -20% roll (bank) {"jsonrpc":"2.0","method":"xyzrpy","args":[0.0, 0.0, 0.1, -0.2, 0.0, 0.0]}

Configuration Method: - identifier "config"

(each of the following arguments is optional)

true/false - (current version only supports false)

float multiplier for x values "gainX"

"gainY" float multiplier for y values

float multiplier for z values

"gainRoll" float multiplier for roll values

"gainPitch" float multiplier for pitch values

"gainYaw" float multiplier for yaw values

"gain" float multiplier for all 6 DOF

- all above gain factors default to 1.0

"washoutX" washout factor for x values

"washoutY" washout factor for y values

"washoutZ" washout factor for z values

"washoutRoll" washout factor for roll values

"washoutPitch" washout factor for pitch values

"washoutYaw" washout factor for yaw values

- washouts default to 1.0, lower numbers increase the rate values will decay to 0

Example: set overall gain to 0.5 and yaw washout to 0.996

{"jsonrpc":"2.0", "method":"config", "gain":0.5, "washoutYaw":0.996}