
RE: roomba function [ref:_00Di0Ha1u._5000ZsSf6h:ref]

1 message

Dimitris Iliou <support@mathworks.com>
To: "tue97937@temple.edu" <tue97937@temple.edu>

Wed, Oct 4, 2017 at 2:01 PM

Hello abdoul kader,

Thank you for contacting MathWorks Technical Support. My name is Dimitris, and I am writing in reference to your Technical Support Case #02778285 regarding 'roomba function'.

If I understand your question correctly, you want to know how to create a Simulink model that uses MATLAB functions, that will allow you to control external hardware such as a wheel or sensors.

I would like to suggest using the Instrument Control Toolbox that has the TCP/IP Send/Receive blocks that serves the purpose you want. Using the TCP/IP protocol you can communicate between your Simulink model and the hardware.

You can find more information on how to send and receive data from devices in the following link:

<https://www.mathworks.com/help/instrument/building-simulink-models-to-send-and-receive-data.html#brcdzfj-1>

Once you receive your data, you can use Stateflow charts for the control of the devices. Within the Stateflow charts, you can use MATLAB function block as well.

I will close this case for now, but please let me know if you have any further questions.

Sincerely,
Dimitris Iliou
MathWorks Technical Support Department

Please preserve the Reference ID in further correspondence on this query. This allows our systems to automatically associate your reply to the appropriate Case.

If you have a new technical support question, please submit a new request here:
<http://www.mathworks.com/support/servicerequests/create.html>

Self-Service: <http://www.mathworks.com/support>
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