

PC Setup for LEGO Mindstorms

MATLAB:

1. Download and extract the toolbox for MATLAB.
<http://www.mindstorms.rwth-aachen.de/trac/wiki/Download>
2. Add the toolbox to MATLAB path. In MATLAB, go to Environment→Set Path. Select “Add Folder” and add the folder **RWTHMindstormsNXT**. Also add the folder **tools** (subfolder of **RWTHMindstormNXT**) to the MATLAB path.
3. Pair the NXT block to PC. Go to Device Manager, find the NXT block, go to **Property**, select **Detail**, find the MAC address of the NXT block.
4. In command window, execute **COM_MakeBTConfigFile**, enter the NXT name and MAC address.
5. Execute the following:

```
COM_CloseNXT all
h = COM_OpenNXT('bluetooth.ini');
COM_SetDefaultNXT(h);
NXT_PlayTone(400,500,h);
pause(0.5);
NXT_PlayTone(800,500,h);
disp('Connected!');
```

If you hear two tones after a while, the Bluetooth connection is established.