Trouble Shooting

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| **Problem** | **Possible Cause** | **Solution** |
| When trying to compile software an error displays saying that one of the included libraries was not found. | The library was not included in the cmake file.  The path in one of the header files was incorrect. | Include the correct packages by using the FIND\_PACKAGE( ) and TARGET\_LINK\_LIBRARY( ) calls in the CMakeLists.txt file.  Change the #include to reflect the correct path of the header file that needs to be included. |
| OpenCV does not compile completely after downloading. | Some of the files may not have been received when downloading from the SVN. | Retry the download and make sure you have all the files. (I used tortoise SVN to make sure that I actually got all the files). |
| An error occurs during runtime that says there is an “OpenCV Error”. | The software was developed with a different version of OpenCV. | Either delete the current version of OpenCV and install the version that the software was developed in or find a fix for the specific load error (e.g. CVLoad()) |
| Robot base does not connect when MRPT call to initialize the base is called. | The Cable connecting to the base is loose.  Initialization is not using the correct baud rate. | Make sure the cable is secured to the base.  Set the baud rate in the initialization software equal to that displayed on the LCD base. |
| A program that uses the kinect doesn’t run because the “device does not have write permission” | The appropriate permissions to the usb device are not set. | Run the application as root ( sudo ./myprogram). |
| The Guidebot stops during its moveForward or turn calls. | The connection cable got knocked loose during its movement. | Fasten the connection cable securely. |