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Android Data Logging Application

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1. Revision History

Revision Date	Revision	Description
03/15/2013	1.0	Document created

2. Reference

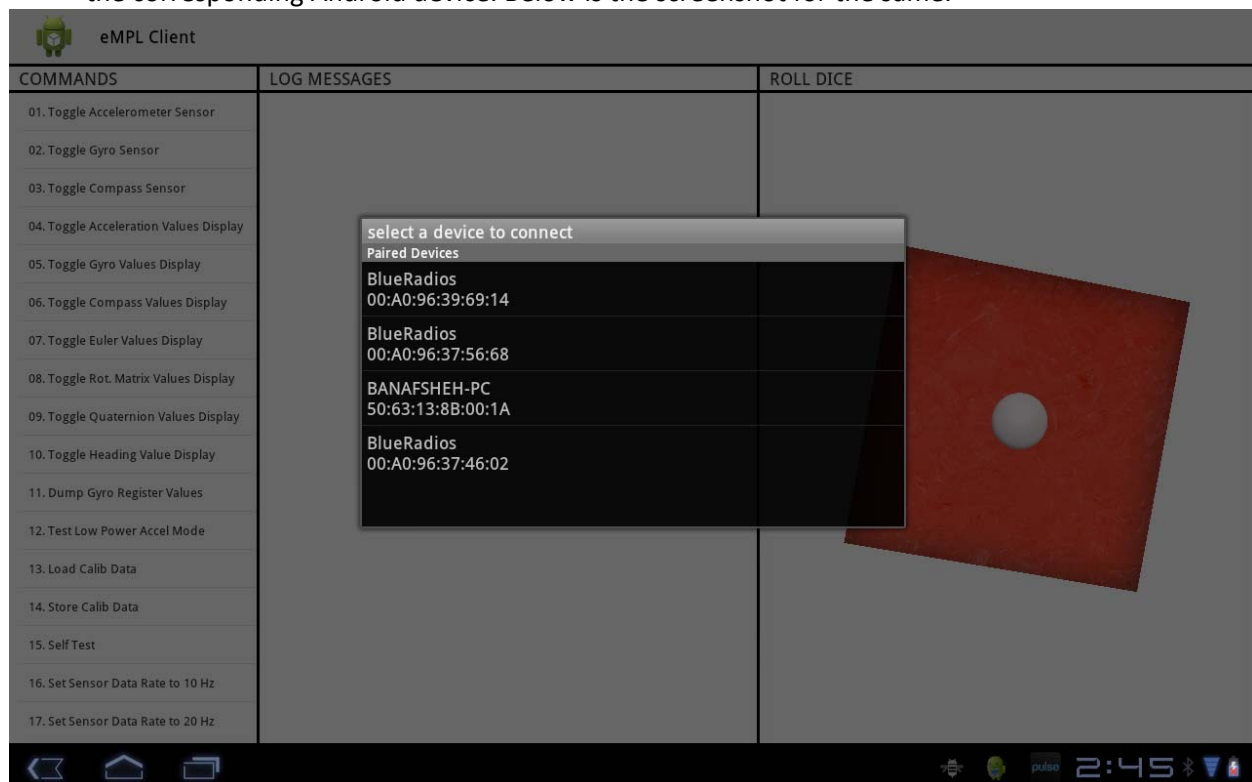
No previous references have been found for this document.

3. Purpose

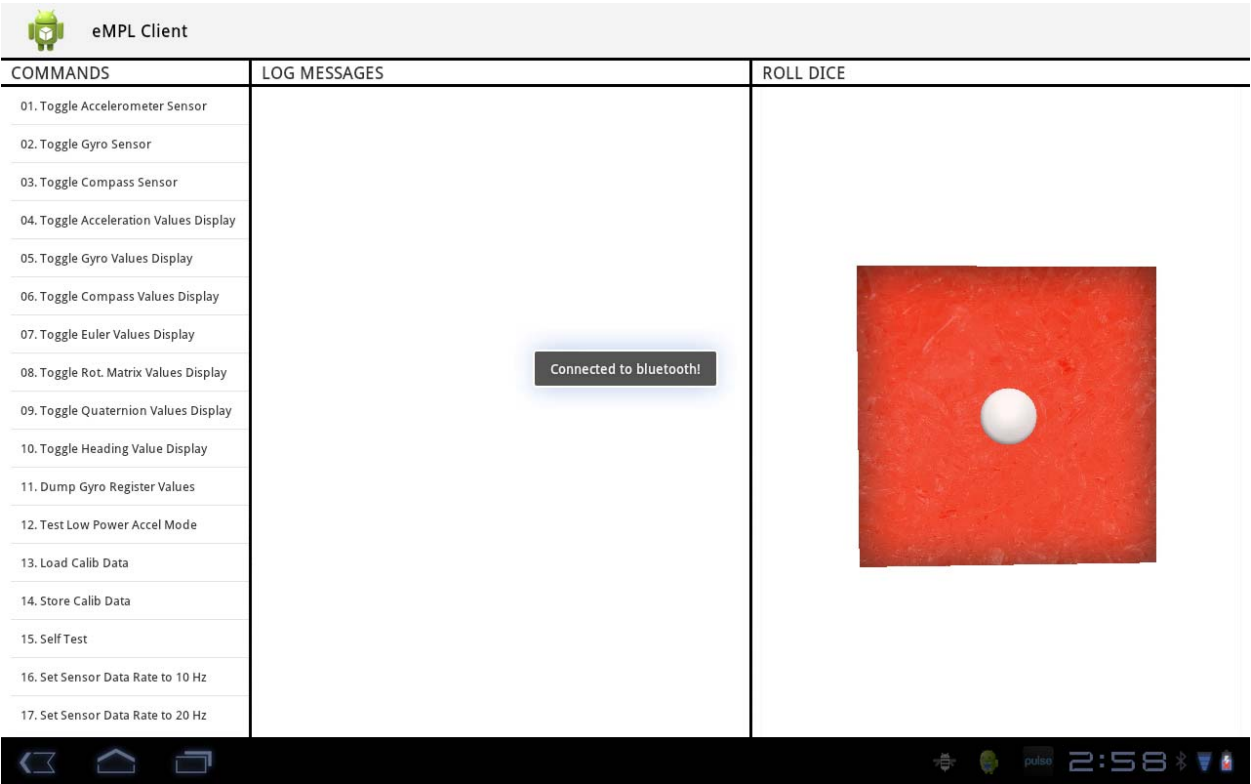
The main purpose of this document is to illustrate the usage of an eMPL client over an Android platform. This eMPL client has the same capabilities as provided for the PC.

4. How to use the application (Screen Shots and any notes)

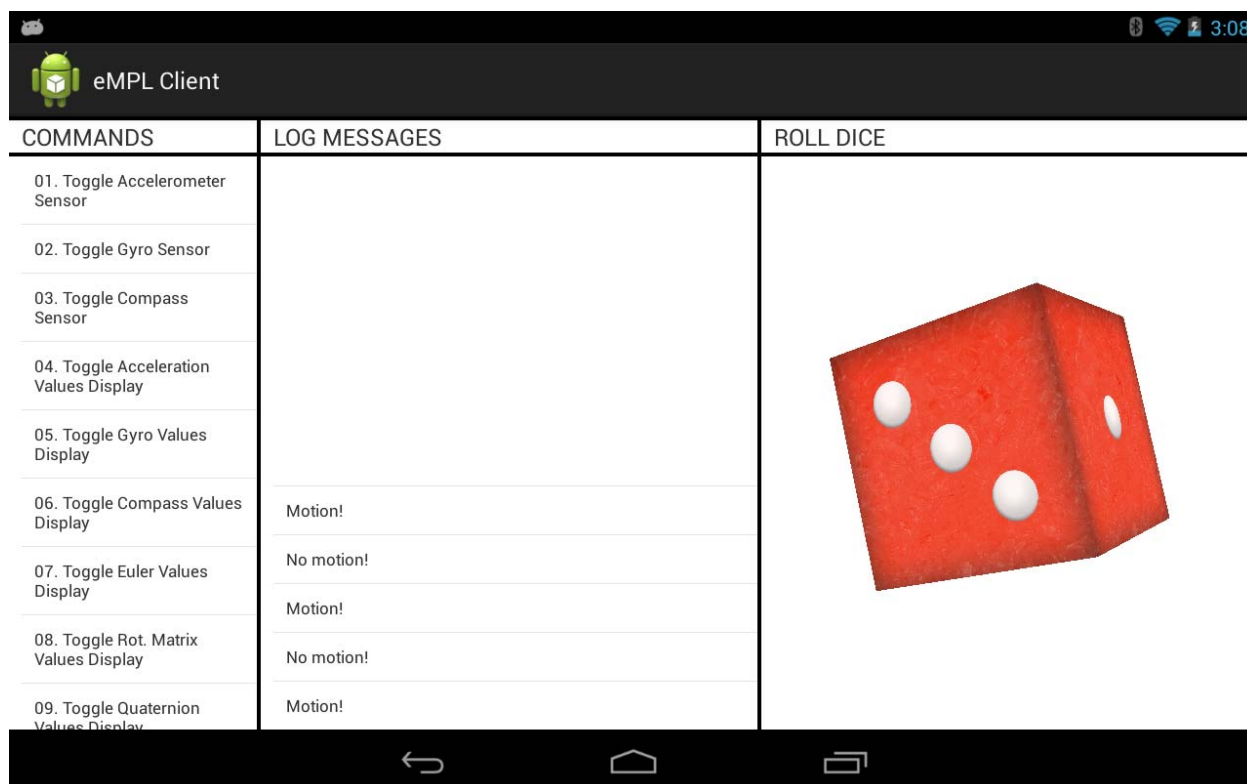
- Before starting the application on the Android Side, make sure you loaded the correct firmware as provided by the eMPL Client on the Motion Fit SDK board.
- As soon as you start the application a dialog will appear asking for the connection with the wearable sensor device. Note that prior to use, the wearable sensor device should be paired with the corresponding Android device. Below is the screenshot for the same.



- Select the device, on successful connection a message will appear showing that the device has been connected successfully.



- The main screen of the application is comprised of three sub divisions, the left most division includes the commands that can be sent to the wearable sensor device. The middle division is for log messages sent by the wearable sensor device in response to some gesture or action. The right most division displays the roll dice indicating the active state of the device by visualizing the quaternpion into a moving 3D roll dice.



5. Compatible Devices / Tested Devices / Dependencies

- eMPL 5.1 firmware with Bluetooth enabled as provided with the client.
- Tested on Samsung Galaxy tab 10.1 and Google Nexus 7.
- Should be compatible with any device equipped with Android 2.2 or later version.

6. Trouble shooting tips

- Check your Bluetooth connection with the device.
- Try restarting the application.