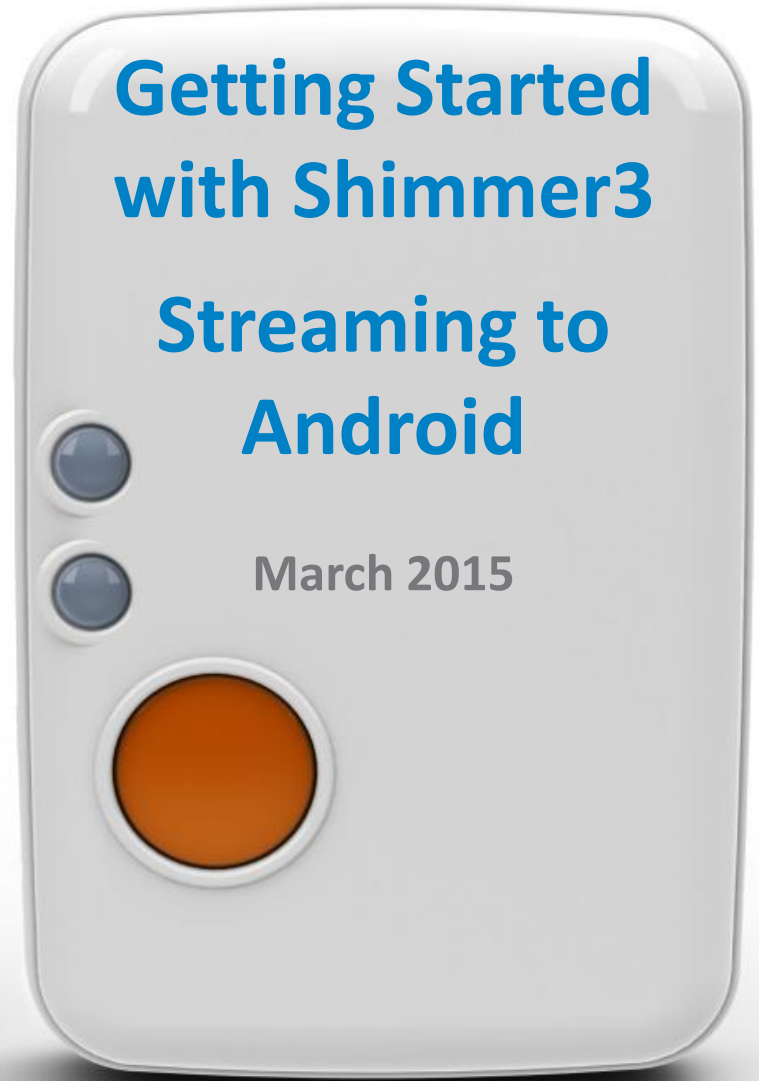




Getting Started with Shimmer3

Streaming to Android

March 2015



CONTENTS

1. [Request website membership](#)
2. [Compatible Firmware](#)
3. [Install ShimmerCapture](#)
4. [Configure ShimmerCapture](#)
5. [Pairing the Shimmer over Bluetooth](#)
6. [Connect to ShimmerCapture](#)
7. [Configure the Shimmer](#)
8. [Configure Graphing Options](#)
9. [Stream Data](#)
10. [Further Information](#)

REQUEST WEBSITE MEMBERSHIP

IMPORTANT: To access the download and documentation sections on our website you need to request website membership at:

<http://www.shimmersensing.com/shimmer-website-membership/redirected>.

COMPATIBLE FIRMWARE

The Shimmer3 should be programmed with *BtStream* firmware for streaming to an Android device.

The standard firmware programmed to Shimmers before shipping is *BtStream*.

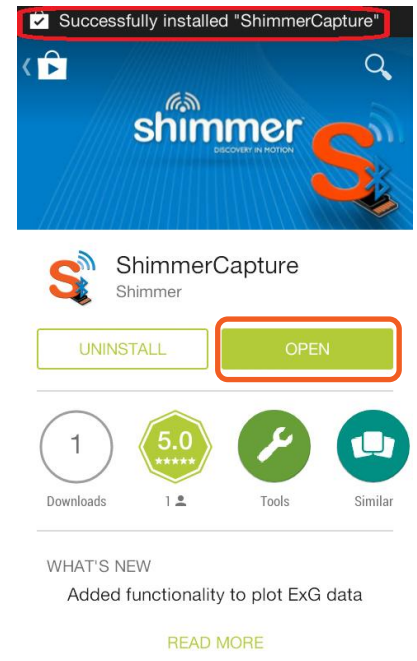
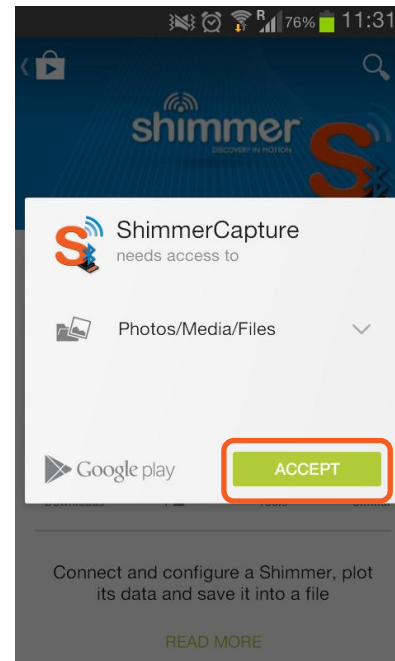
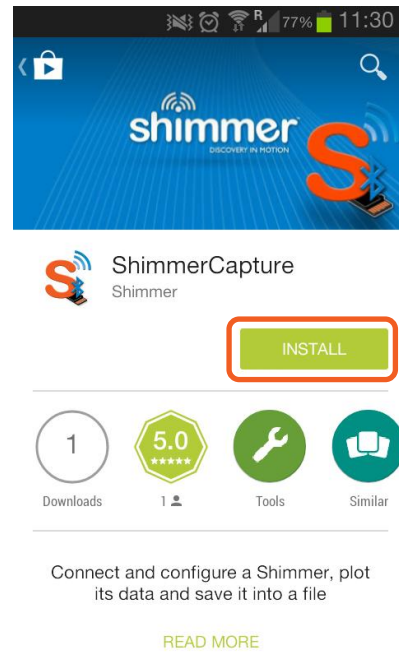
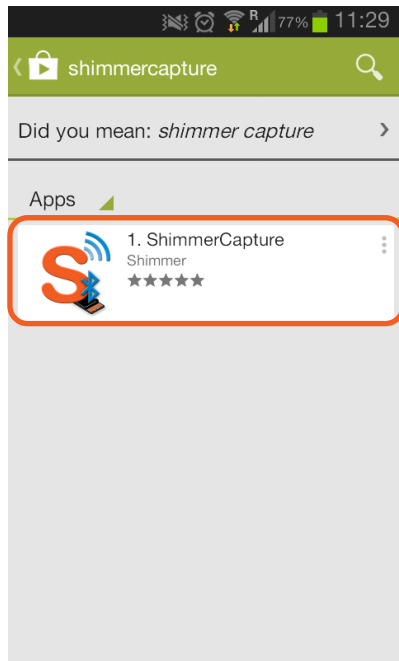
To make sure your Shimmer is programmed with the latest *BtStream* firmware, refer to the *Getting Started with Shimmer3 - Streaming to PC* guide, in particular:

- *Configure the Shimmer Dock.*
- *Programming the Shimmer.*

The *Getting Started with Shimmer3 - Streaming to PC* guide can be found on the Shimmer Getting Started webpage*.

INSTALL SHIMMERCAPTURE

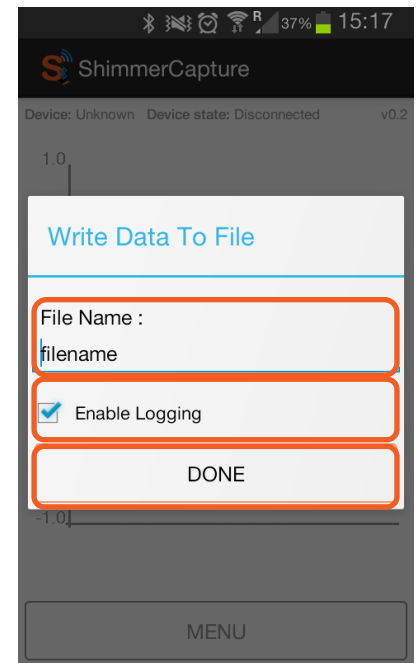
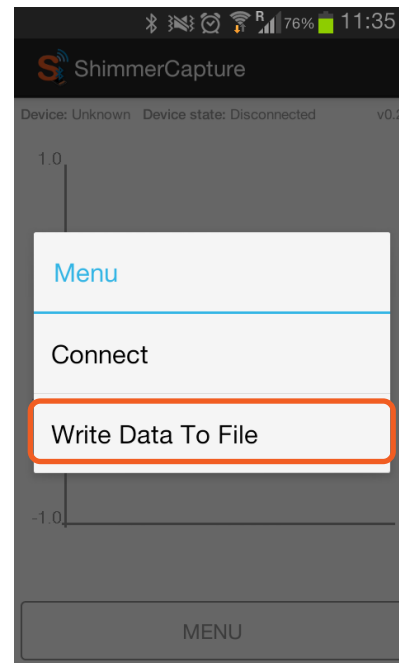
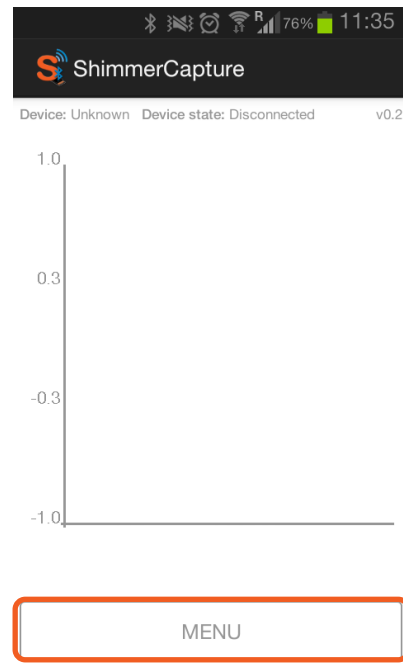
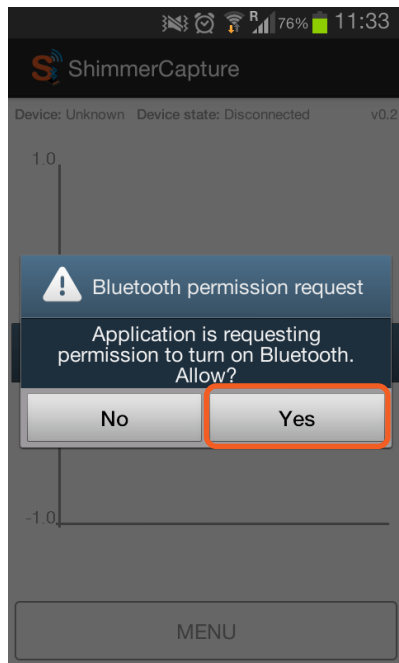
Go to the Play Store and download *ShimmerCapture**



CONFIGURE *SHIMMER*CAPTURE

If asked to turn on Bluetooth, select Yes.

Follow the steps below to choose a file to which data will be written and enable logging (if required).



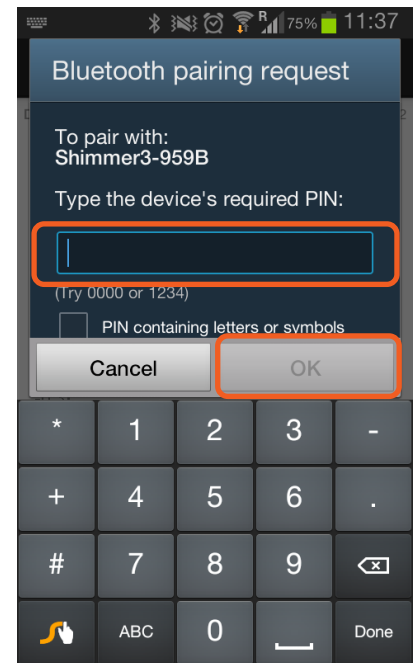
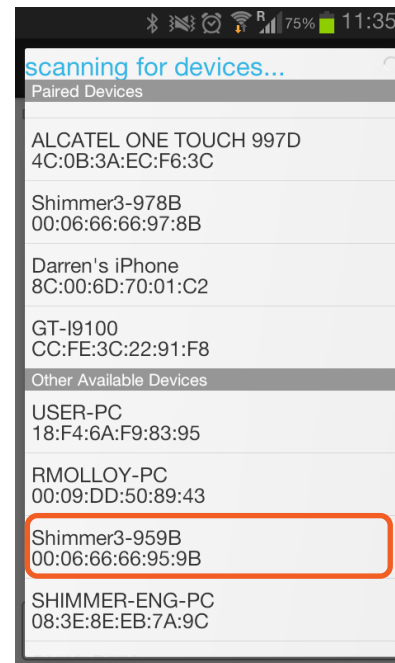
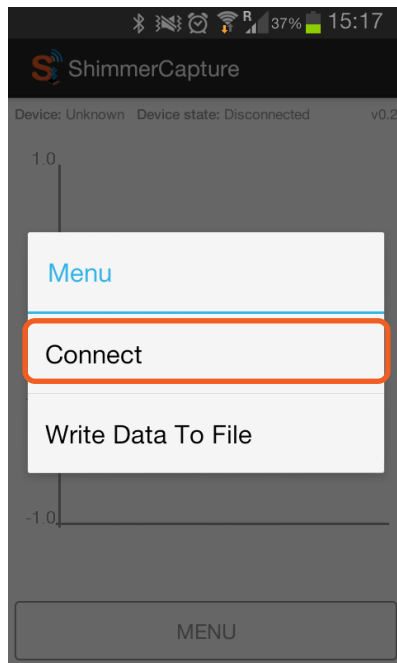
PAIRING THE SHIMMER OVER BLUETOOTH

Choose *Menu* → *Connect*.

If the Shimmer you wish to connect to has not been paired, select *Scan for Devices*.

The PIN is 1234.

When the PIN has been entered, click *OK*.

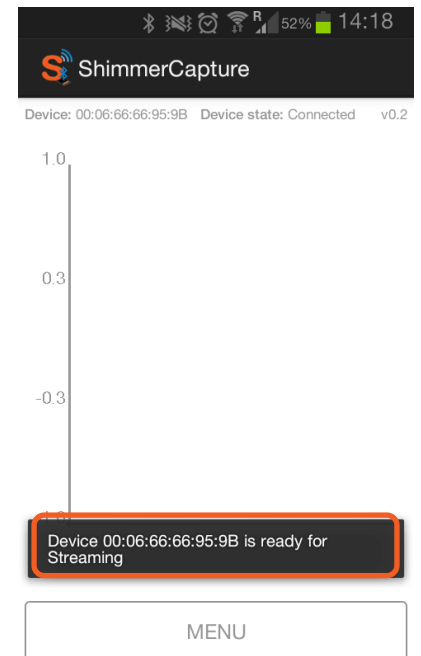
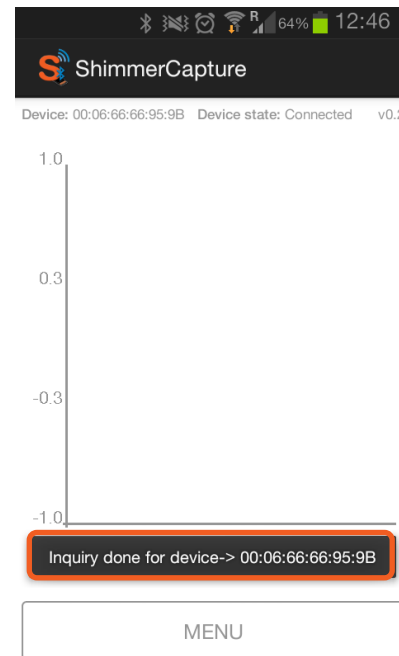
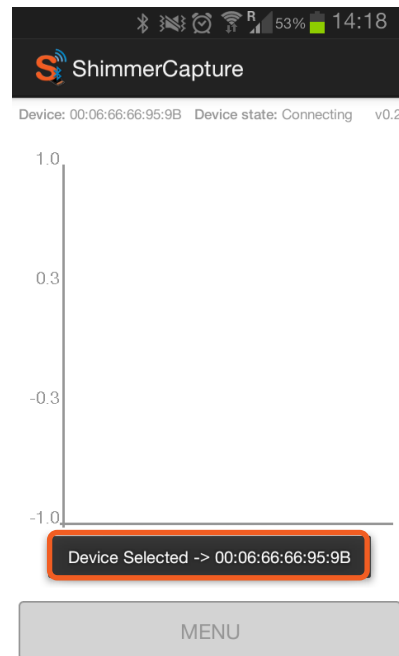


CONNECT TO *SHIMMER*CAPTURE

Choose *Menu* → *Connect*.

Select the Shimmer you wish to connect to.

Some feedback will briefly be displayed during the connection process, as shown below.

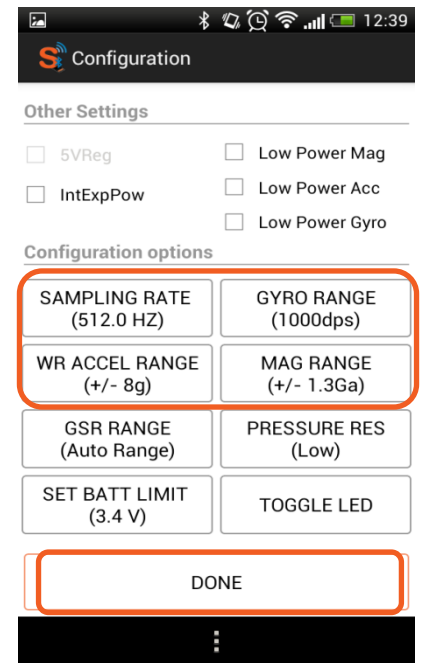
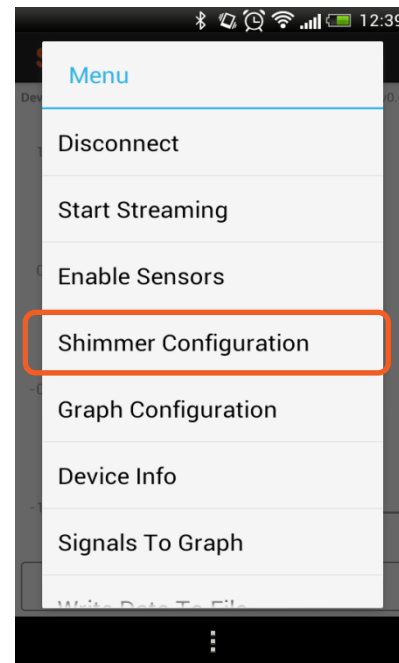
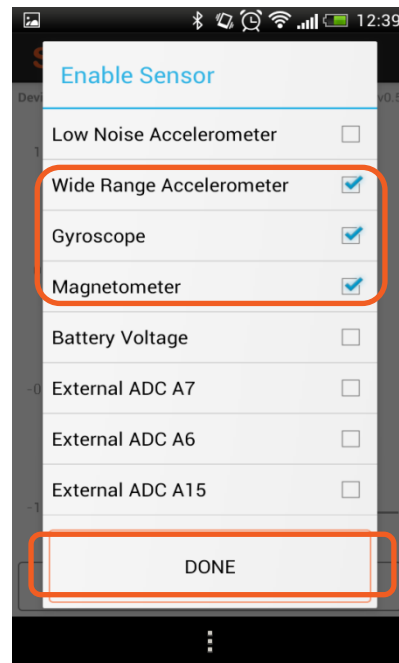
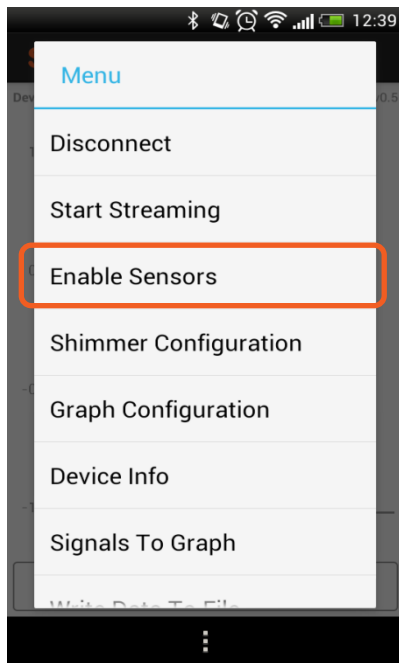


CONFIGURE THE SHIMMER

Choose *Menu* → *Enable Sensors*.

Enable desired sensors.

Other configuration options (sensor ranges, sampling rate, etc.) can be found in *Menu* → *Shimmer Configuration*.

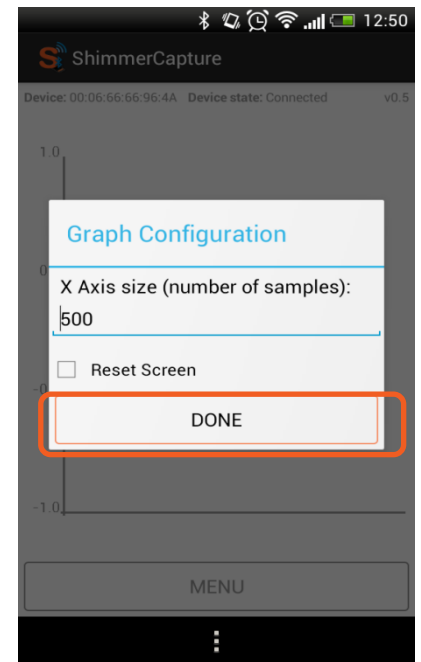
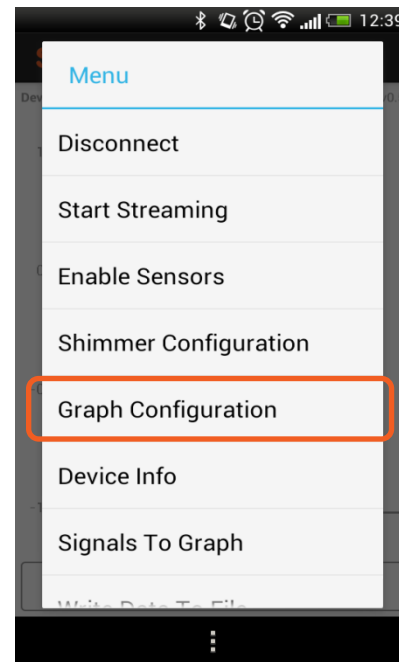
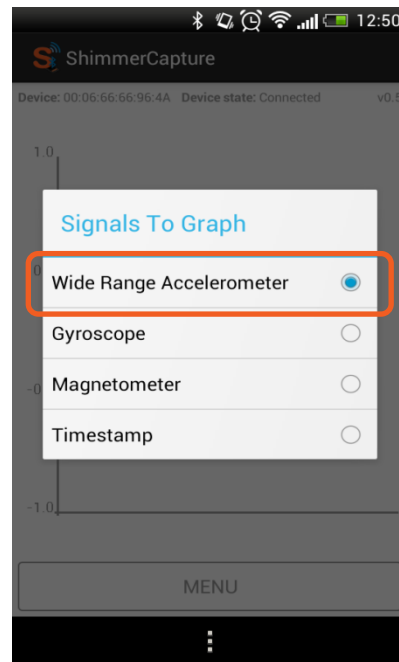
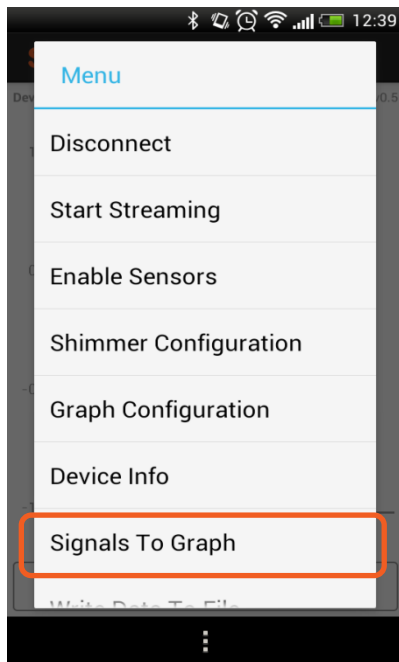


CONFIGURE GRAPHING OPTIONS

Choose *Menu* → *Signals to Graph*.

Choose Signals To Graph (one type of sensor can be plotted at a time to avoid performance degradation).

Graph history length can be configured via *Menu* → *Graph Configuration*.



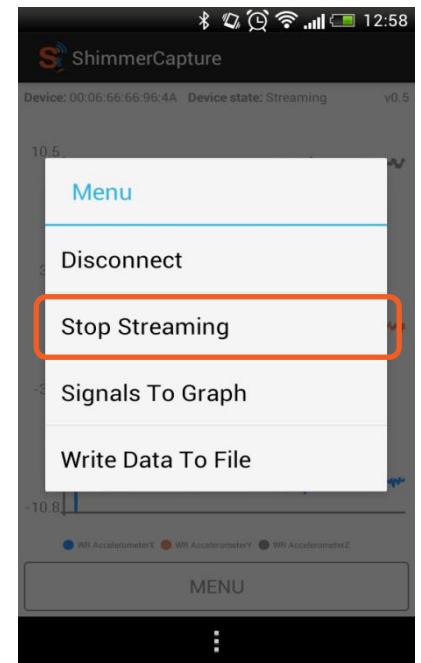
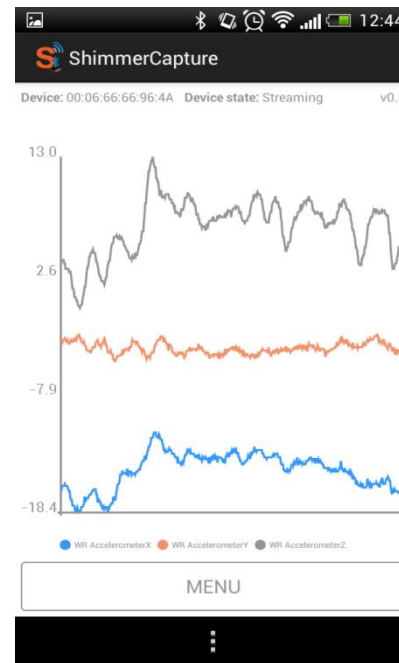
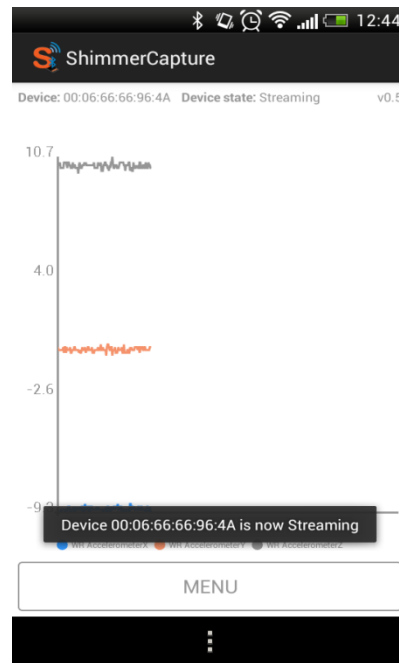
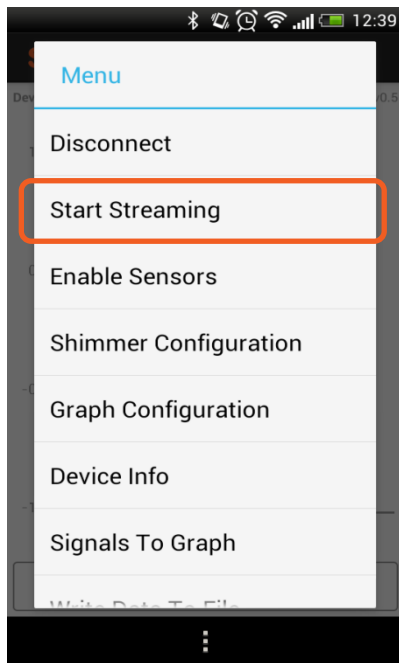
STREAM DATA

Choose *Menu* → *Start Streaming*.

The signals that appear on the graph may be changed during streaming.

To stop streaming, choose *Menu* → *Start Streaming*.

Choose *Menu* → *Disconnect* before powering off the Shimmer units.



FURTHER INFORMATION

Check out the documentation section on our website, which includes user manuals and guides for all Shimmer hardware and software.

It is highly recommended that all new Shimmer users read the *Shimmer User Manual*, available for download from www.shimmersensing.com.