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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^{*}.



* http://www.shimmersensing.com/support/getting-started/

INSTALL SHIMMERCAPTURE

Go to the Play Store and download ShimmerCapture*





READ MORE





READ MORE



* https://play.google.com/store/apps/details?id=com.shimmersensing.shimmerconnect&hl=en

CONFIGURE *SHIMMERCAPTURE*

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 $Menu \rightarrow Connect$.

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 SHIMMERCAPTURE

Choose $Menu \rightarrow Connect$.

Select the Shimmer you wish to connect to.

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

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ShimmerCapture	ShimmerCapture			
Device: Unknown Device state: Disconnected v0.2	Device: 00:06:66:66:95:9B Device state: Connecting v0.2	Device: 00:06:66:66:95:9B Device state: Connected v0.2	Device: 00:06:66:66:95:9B Device state: Connected v0.2	
Connect Paired Devices ALCATEL ONE TOUCH 997D 4C:0B:3A:EC:F6:3C	1.0	1.0	1.0	
Shimmer3-978B 00:06:66:66:97:8B	0.3	0.3	0.3	
Shimmer3-959B 00:06:66:66:95:9B				
Darren's iPhone 8C:00:6D:70:01:C2	-0.3	-0.3	-0.3	
GT-I9100 CC:FE:3C:22:91:F8				
SCAN FOR DEVICES	-1 0	-1.0	Device 00:06:66:66:95:9B is ready for Streaming	
MENU	MENU	MENU	MENU	



CONFIGURE THE SHIMMER

Choose $Menu \rightarrow Enable$ Sensors.

Enable desired sensors.

Other configuration options (sensor ranges, sampling rate, etc.) can be found in $Menu \rightarrow Shimmer Configuration$.

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Menu	Enable Sensor	10 E	Menu	S Configuration		
	0.5		10.5	Other Settings		
Disconnect	Low Noise Accelerometer		Disconnect	5VReg	Low Power Mag	
Start Streaming	Wide Range Accelerometer 🛛 🗹			IntExpPow	Low Power Acc	
	Gyroscope		Start Streaming		Low Power Gyro	
				Configuration options		
Enable Sensors	Magnetometer 🥑		Enable Sensors	SAMPLING RATE	GYRO RANGE	
Shimmer Configuration	Battery Voltage			(512.0 HZ)	(1000dps)	
			Shimmer Configuration	WR ACCEL RANGE	MAG RANGE	
Graph Configuration	-0 External ADC A7			(+/- 8g)	(+/- 1.3Ga)	
			Graph Configuration	GSR RANGE	PRESSURE RES	
Device Info	External ADC A6			(Auto Range)	(Low)	
	External ADC A15	Device Info	Device Info	SET BATT LIMIT		
Signals To Graph	-1			(3.4 V)	TOGGLE LED	
	DONE		Signals To Graph			
	DONE			DONE		
Write Date To File			Mizito Doto To Filo			



CONFIGURE GRAPHING OPTIONS

Choose *Menu* \rightarrow *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 $Menu \rightarrow Graph Configuration$.





STREAM DATA

Choose $Menu \rightarrow Start Streaming$.

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

To stop streaming, choose $Menu \rightarrow Start Streaming$.

Choose $Menu \rightarrow Disconnect$ 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 <u>www.shimmmersensing.com</u>.

