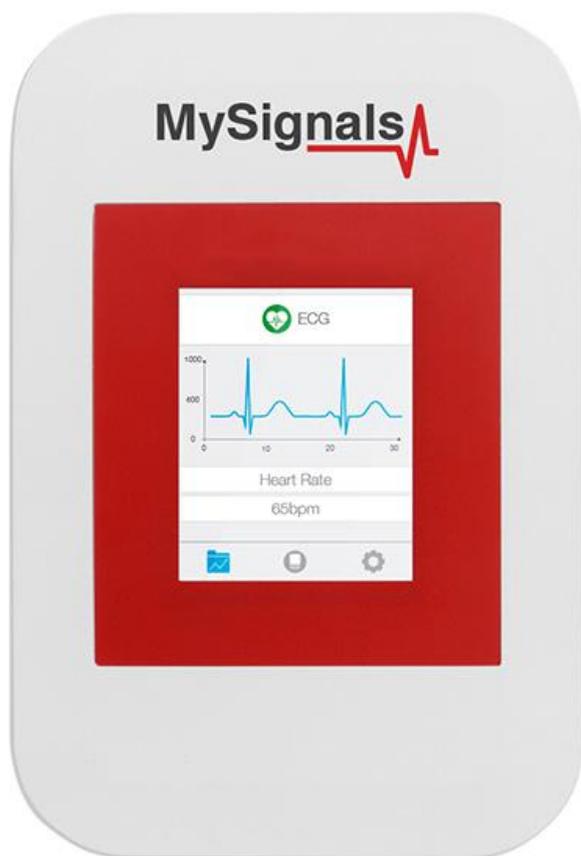# Features of the New version of MySignals

As part of our continuous improvement process in Libelium, we are pleased to announce the new version of MySignals to be released in September 2017. This new version improves many features focusing on an easier and quicker management of the different options and thus improving the user experience.
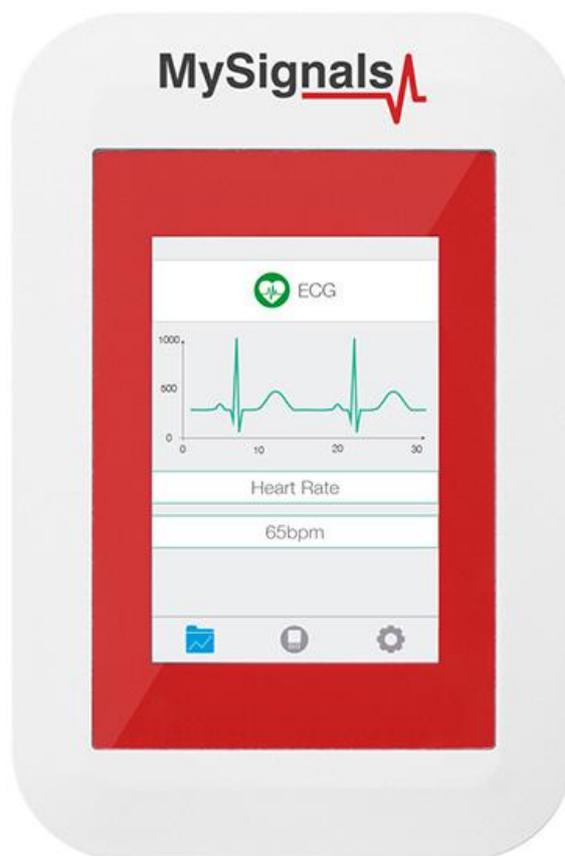
1. New TFT screen

The new version of MySignals includes a new TFT screen with a 30% longer screen diagonal (3.5" vs 2.4"), which means an **increase of 100%** of the real touch surface area, making the gathered data easier to read. The new navigation touch interface allows **instantaneous transitions** between menu screens offering a better user experience.
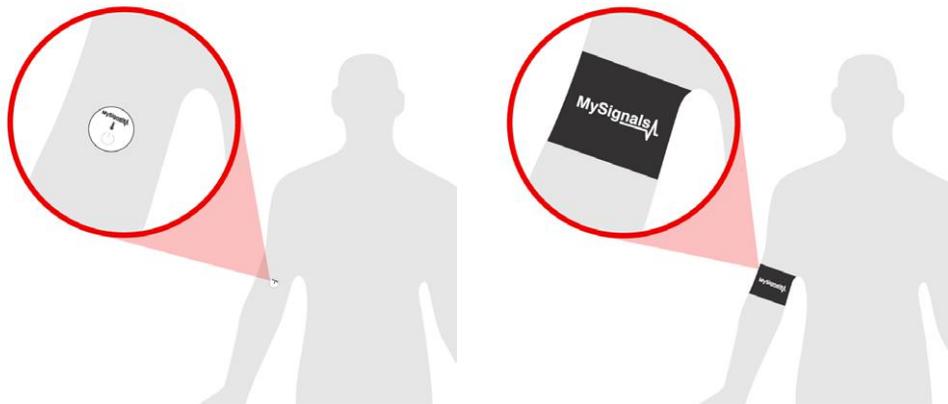
MySignals

2. New sensors added

Two new Bluetooth Low Energy (BLE) sensors have been added to MySignals: Body Temperature sensor and the Alarm / Emergency Button.

Body Temperature sensor

It is of great medical importance to measure body temperature. The reason is that a great number of diseases are accompanied by characteristic changes in body temperature. With this new wireless sensor being continuously monitored is much simpler.

An armband is supplied to facilitate the placement of the sensor on the patient's arm as shown in the diagram below.

Alarm / Emergency Button

Emergencies can happen at any time and anywhere. The Alarm / Emergency Button provides immediate access to assistance with just the touch of the button.

This call button can be worn as a help pendant around your neck or as an alert watch button around your wrist. Unlike other systems or a cell phone, you don't have to think about what numbers to dial, which buttons to press, or if it's charged up. Your medical alert button is always ready.
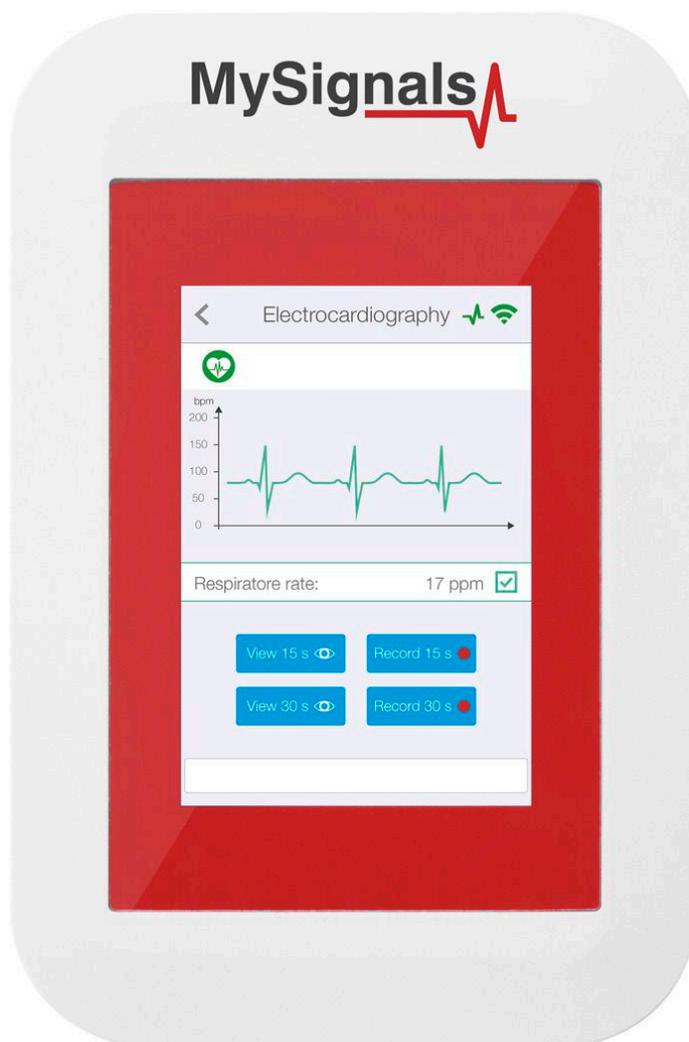
3. New security features

In this new version it has been developed a whole new custom WiFi module firmware, adding the functionality of SSL secure communications **HTTPS** to the Libelium cloud or the client's private Cloud platform. This security layer is added on top of the the symmetric encryption AES 256 that is performed by MySignals in the application layer (it is present in new and old versions of the product).

4. New continuous wave record mode

With this new MySignals revision, new App and Cloud versions have also been developed that allow to record continuous waves and send them to the Cloud (in WiFi Mode). You can record 15 or 30 seconds of the data measured in detail mode of ECG, EMG, Snore and Airflow.

NOTE: This feature was already present in the current version of MySignals sold from February 2017.

5. Adding new Bluetooth and BLE sensors

In this new version it is possible to acquire new bluetooth and BLE sensors after the purchase of the MySignals since a new pairing functionality has been added to the interface in a simple and intuitive way.

6. More robust hardware usability

With the new version of MySignals you can connect or disconnect any sensor at any time even if MySignals is running. In other words all sensors allow hot plug behavior.

NOTE: This feature was already present in the current version of MySignals sold from February 2017.

7. 20 New Video Tutorials (step by step)

Twenty new video tutorials with step-by-step settings and instructions allow a quick test of the platform in just a few minutes. The video tutorials show how to use all the sensors in stand alone mode along with the usage of the Bluetooth and WiFi modes to send the information from MySignals to the Cloud.

https://www.youtube.com/watch?v=6bLDYB9pPrI&list=PLZqFwTtl_Y--TsF2W2xqj1SR9l0A1OMdD

8. New Plans for Data Storage

Starting in October 2017, the new Cloud Plans for MySignals will be available. There are plans for regular users and for developers depending on what usage you want to give to MySignals.

User Cloud Plans

The user plans are meant to be used to test the performance of MySignals. These are the best plans if you want to try in a quick and easy way the MySignals Kit including all the sensors on different users as each one can have its own profile. All the data is sent to the Libelium Cloud, so users do not need to set up their own servers.

	Basic	PRO	Elite
Usage	Platform testing	Small Dev. Deployment	Professional Dev. Deployment
User Profiles (Members)	5	50	Unlimited
Departments	1	10	Unlimited
MySignals Devices[1]	1	1	1
DB Storage	0.1 GB (10 Million registers Approx)	2 GB (200 Million registers Approx)	6 GB[3] (600 Million registers Approx)
Traffic I/O[2]	2 GB	5 GB	15 GB[3]
Android / iOS Apps	Yes	Yes	Yes
Encryption Point to Point	Yes	Yes	Yes
Libelium Cloud Access	Yes	Yes	Yes
API Cloud (Necessary to extract the information to a third party server)	No	No	No
Price	99€ / year (First year free)	199€ / year	499€ / year

IMPORTANT: You can always use MySignals at no cost in the standalone mode.

[1] *Note that each licence is per MySignals Device.*

[2] *To avoid illicit use of the network, there is a daily max transmission rate.*

[3] *For specific plans contact our Business Dev Team (sales@libelium.com).*

MySignals

Developer Cloud Plans

The developers plans are the best option for users who want to store the data gathered by Mysignals in their own servers. This type of plans allow to use the Cloud API to read the information from the Libelium Cloud and write it in their own Cloud platforms.

	Basic	**PRO**	**Elite**
Usage	Platform testing	Small Dev. Deployment	Professional Dev. Deployment
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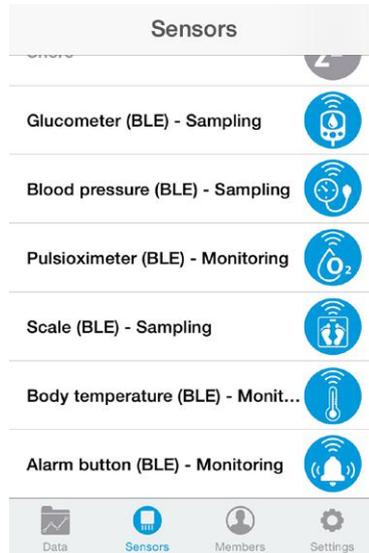
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[3] *For specific plans contact our Business Dev Team (sales@libelium.com).*

9. New Android / iOS App

With the new Android / iOS App release, all the Bluetooth and BLE sensors can be used at the same time against the App in the Bluetooth Connection mode. This feature was not possible in earlier versions of the mobile App.

For more information go to the MySignals Technical Guide at:

http://www.libelium.com/downloads/documentation/mysignals_technical_guide.pdf