

MIR SDK for Spirobank Oxi_ Spirobank Smart_Smart One Oxi_Smart One

MIR is proud to provide an SDK / API that creates a seamless patch between a 3rd party mobile App and MIR App-based Spirometers. With the SDK, any Hospital, Medical Center and Medical device software developer, can develop its own medical App for Remote Patient Monitoring with limited efforts, and leverage 28+ years of MIR experience in Spirometry, Oximetry and Mobile Health.

COMPATIBLE APP-BASED SPIROMETERS WITH OXIMETRY OPTION, manufactured by MIR:



COMPATIBLE TURBINES:



Available for:

- ✓ iOS (Minimum operating system requirements: 8 and higher)
- ✓ Android (Minimum operating system requirements: 4.4 and higher)

Main Features of the SDK:

Will enable you to easily connect and command MIR spirometers and oximeters, into your own mobile application. Third party Software developers will take advantage of the many libraries included in the sdk covering many different environments.

Certified Accuracy

MIR devices are accurate and comply with the latest standards for Spirometry and Oximetry:

✓ ATS/ERS 2019: for volume accuracy	✓ EN ISO 15223:2016
✓ ATS/ERS 2005: for generic guidelines	✓ IEC 60601-1:2005/A1:2012
✓ ISO 26782: 2009	✓ EN 60601-1-2: 2015
✓ ISO23747: 2015	✓ EN 60601-1-6: 2010
✓ EN ISO 14971: 2012	✓ EN 60601-1-11: 2015
✓ ISO 10993-1: 2018	✓ IEC 62304:2006/A1:2015
✓ 2011/65/EU Directive	✓ ISO 80601-2-61: 2017

As for measured/predicted values, your App will become a “remote” display of the Spirometer and the Oximeter, reducing to zero the risk of inaccurate readings while collecting data from the device.

Patient Data

the SDK and the Device do not store any data, but simply measure and transmit data to your App.

What is included in the SDK for iOS and Android:

- ✓ 2 demo devices for testing + 10 flowMIR™ disposable turbines
- ✓ A sample APP (short video available at this link: [MIRMedical Sample APP SDK iOS](#))
- ✓ The source code of the Sample APP
- ✓ A Guide for developers
- ✓ Revision History

How to get the SDK

1. get in touch with a MIR representative and introduce your projects and needs;
2. Sign the License Agreement and agree for a minimum order quantity;
3. Download the SDK from MIR server and start working on it.

WHY CHOOSE MIR SPIROMETERS

Main features of MIR App-based spirometers:

1. fully featured spirometers despite very small:
 - i. Size: in. 1,93x4,29x082" / mm. 49x109x21
 - ii. Weighth: 14 OZ / 61 grams
2. send REAL TIME data via Bluetooth™ 4.0 - BLE Bluetooth Low Energy
3. internal firmware and bluetooth firmware can be updated at any time via bluetooth
4. Turbine sensor flowmeter is a mechanical technology with digital reading, not affected by Humidity, Pressure & Air Viscosity. MIR turbines are factory pre-calibrated.
5. The BLE smart technology preserves the duration of the batteries (2xAAA 1,5V);
6. **OEM version** is available upon request, and a minimum order is required (about 6.000 pcs.). Your company logo may be applied on the plastic case. Available colors: white (RAL 9003), green (Pantone 382C), orange (RAL 2000) and pastel turquoise (RAL 6034). If you need different colors please consider that plastics are subject to biocompatibility test (according to MDR rules), which takes 2/3 months and costs about €15K.

