

Spirobank II with Bluetooth Smart BLE

Quick Guide

For more detailed information on any section in this guide please refer to the user manual included with the device.



Overview

- A** Black and white screen
- B** Button keyboard
- C** ESC button
- D** Power/OK button
- E** Oximetry port
- F** Charger port
- G** Turbine slot
- H** Turbine with mouthpiece

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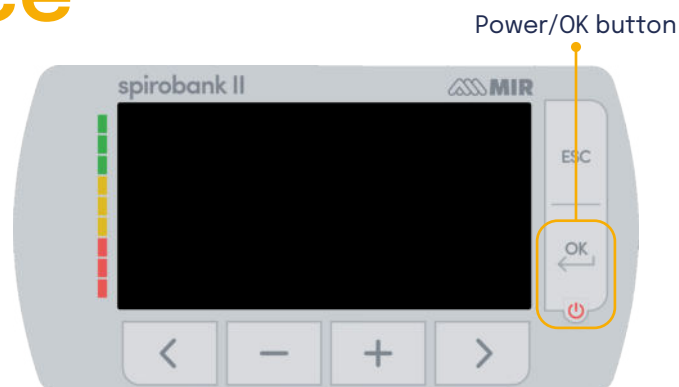
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1. Start the device

To turn Spirobank II BLE **on** and **off**, press the  button.



2. Welcome screen

After turning the device on, the **welcome screen** will appear, showing the **MIR logo**, the **device name**, the **firmware version**, and the **configured date and time**.

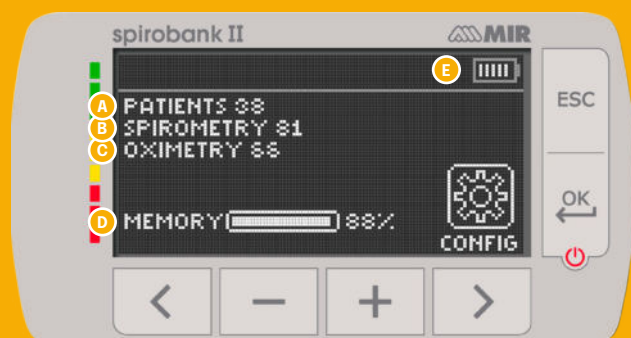
If the date and time do not match your local settings, follow the instructions on the configuration of the device (step 4).





3. Information of the device

The next screen displays information about the device, such as:

- A** Number of **patients** stored on the device
- B** Number of **spirometry tests** performed
- C** Number of **oximetry tests** performed
- D** Available **memory**
- E** Remaining **battery level**

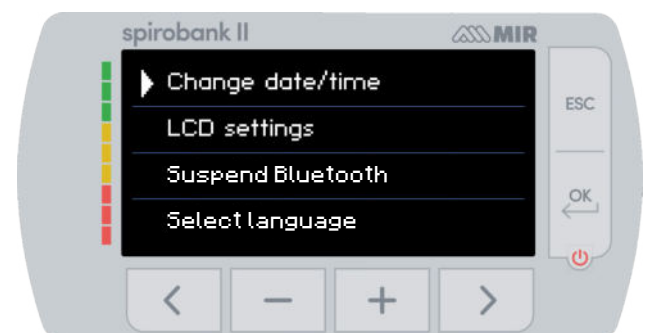
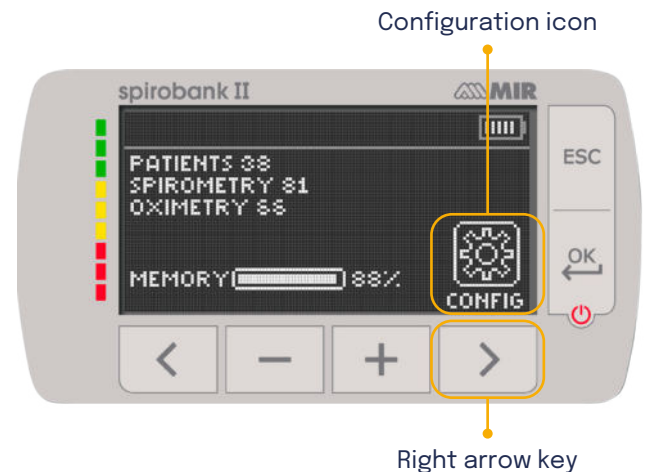


4. Configuration of the device

To start configuring the device, press the right arrow key  and select the desired configuration option  from the menu.

Use the left and right arrow buttons to navigate through the configuration menu and select the option you need, among:

- 1 Change date/time
- 2 LCD settings
- 3 Suspend Bluetooth
- 4 Select language
- 5 Delete memory
- 6 Select standard
- 7 Select predicted
- 8 Select turbine
- 9 Turbine calibration
- 10 Oximetry setup
- 11 Spirometry setup
- 12 Date format
- 13 Unit format
- 14 Info firmware



5. Choose a function

After completing the configuration or if no configuration is needed, you can **select a function** to perform from the screen that appears immediately afterward.

If you have already reached this panel but still need to configure some settings, press the “ESC” button to return to the configuration menu (step 4).







Among the available functions, you can:

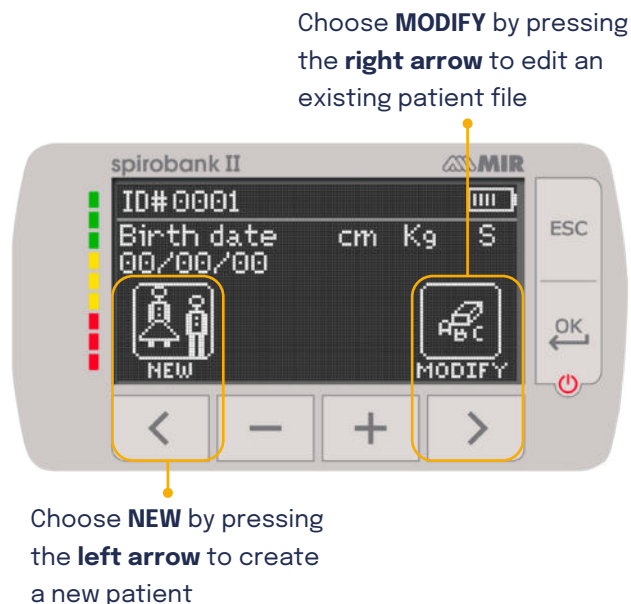
- A** Enter patient information
- B** Perform a spirometry test
- C** Perform an oximetry test
- D** View patient data (only the most recently recorded patient can be accessed)



6. Enter the patient information

- A** To enter the patient information, press the left arrow key to select the “#ID” icon from the **CHOOSE A FUNCTION** panel (step 5).
- B** After selecting the icon, it will appear the screen to the right. Choose between the “**NEW**” or “**MODIFY**” option to enter the patient information.
- C** To select numbers like **birthdate**, **height** and **weight**, use minus  and plus  buttons to increase or decrease numbers in the number fields.
- D** To select **gender**, press the minus  to highlight **male** or press the plus  to highlight **female**.
- E** To select the **ethnicity**, use the left and right arrow to scroll up and down through the choices.

After each choice, press the “**Power/OK**” button to proceed with the next option.
 After making every choice, you will be back on the main **CHOOSE A FUNCTION** screen.





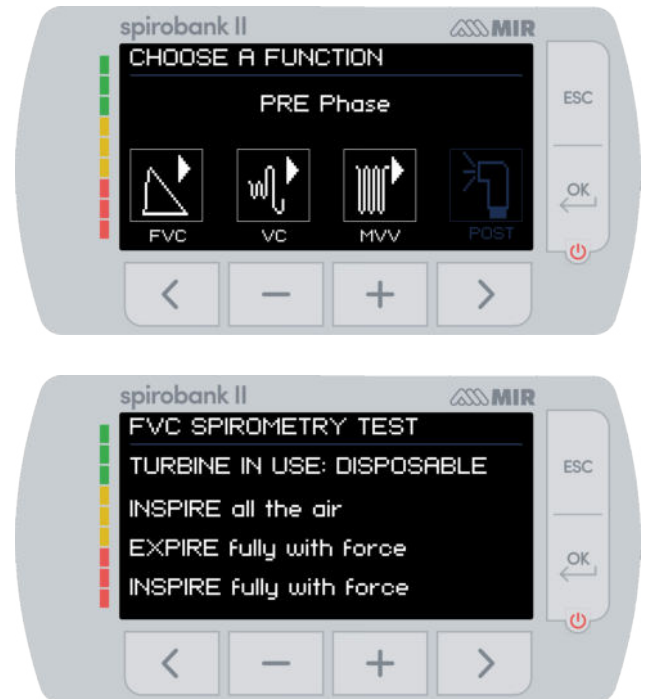
NOTE: we recommend writing down on paper the **ID#** of the patients chart. This will help you keep track whose test is whose, for when you upload the data to the software and for retesting the same patient on the device later on.



7. Spirometry Testing

To perform a spirometry test:

- A** Insert one of MIR's **turbines** (FlowMIR disposable or Reusable) into the spirometer. Make sure the **cardboard mouthpiece** is facing the same direction as the screen.
- B** Press the minus  button located beneath the **"SPIRO"** icon in the **CHOOSE A FUNCTION** panel (step 5). 
- C** This will open a new screen displaying various test types: **FVC**, **VC**, **MVV**, and **POST**.
- D** Select the desired test and follow the on-screen instructions. **The test will time out if not started in about 15 seconds.**







Example of a FVC test

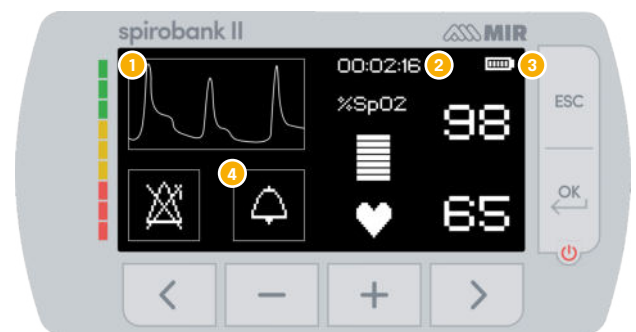


NOTE: the POST choice will be grayed out until at least one Pre FVC test is done.


8. Oximetry Testing

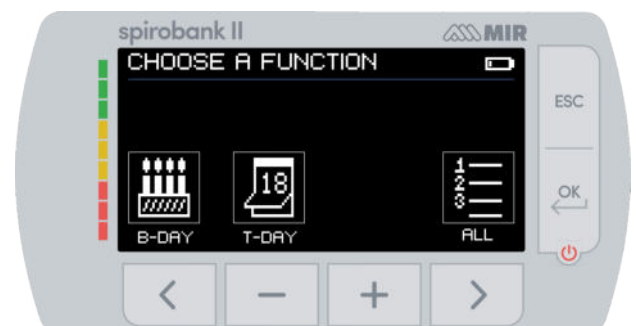
To perform an oximetry test:

- A** Connect the **finger probe** to the spirometer.
- B** Press the plus  button located beneath the **"OXY"** icon in the **CHOOSE A FUNCTION** panel (step 5). 
- C** The device will keep testing **until you decide the test is done**.
- D** While performing the test, you will see the **plethysmographic curve** (1), along with the **test duration** (2), **remaining battery level** (3), and **any active alarms** (4). You can modify the active alarms at any time by selecting **"Oximetry Setup"** from the configuration menu (step 4). 
- E** When done with the oximetry test, press the **"ESC"** button to end test and see results on the screen. 



9. Patient Data

Press the right arrow button located beneath the **"DATA"** icon to view the test results of the last recorded patient. 



10. Device charge and connection to a computer

To charge the device via USB cable, connect it to the cable plugged into a power outlet.



To charge or connect the device to a computer (for instance, to use the dedicated MIR Spiro software), use the **USB cable**.



11. Bluetooth connection to a iPad/ Tablet

To connect the device to a tablet, make sure that Bluetooth is enabled on the tablet where the **MIR Spiro App** is installed.

