CardioScan

Mobil-O-Graph Clinic Guide
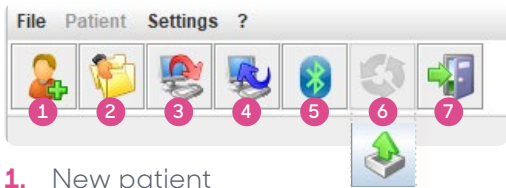
Complete guide

In our guides, you'll learn how to:

- Enrol a new or existing patient
- Device preperation
- Fitting the device
- Using the device
- Upload a completed study

Interface overview

Software

1. New patient
2. Patient list
3. Prepare device
4. Read-out device
5. Bluetooth
6. Sync/Upload
   (i) Sync/Upload button is dynamic and will change when data is available to send.
7. Quit program

Device

Power

Cuff socket

Event

Start / Stop

Day / Night
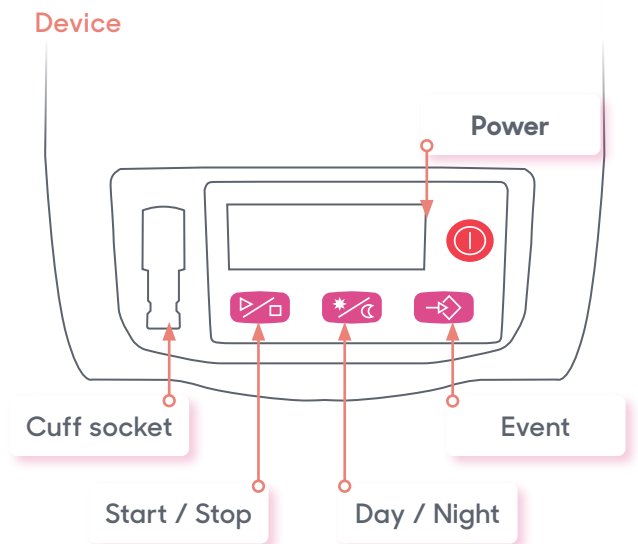
How to connect the device

1. **First, connect the Mobil-O-Graph download cable to your PC or Laptop**

PC

2. **Press the Power button ⏻ and the LCD will display "co" when connected.**

co
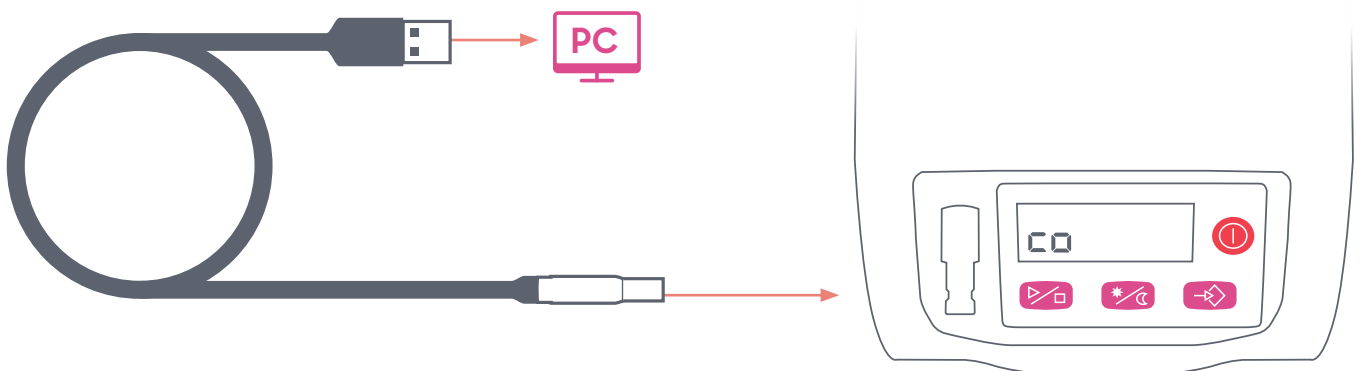
For more instructions and support visit:
cardioscan.co/resources/mobil-o-graph/

Enrol a new or existing patient

To begin, proceed to either:

1a. Click **New Patient** icon

- Then follow instructions from **Step 2**.
OR

1b. Click **Patient list** icon

- Then select the correct Patient Record and skip to **Device Preperation.**

2. Enter **Patient ID Number**

- No letter(s) in front of number sequence.

3. Enter Patient's names

- In the **Name** field, input the patient's **Surname.**

- Then, in the **First Name** field, input the patient's **Firstname.**

4. Enter physical attributes

- **Height** and **Weight** is only mandatory for patients under 18 years old.
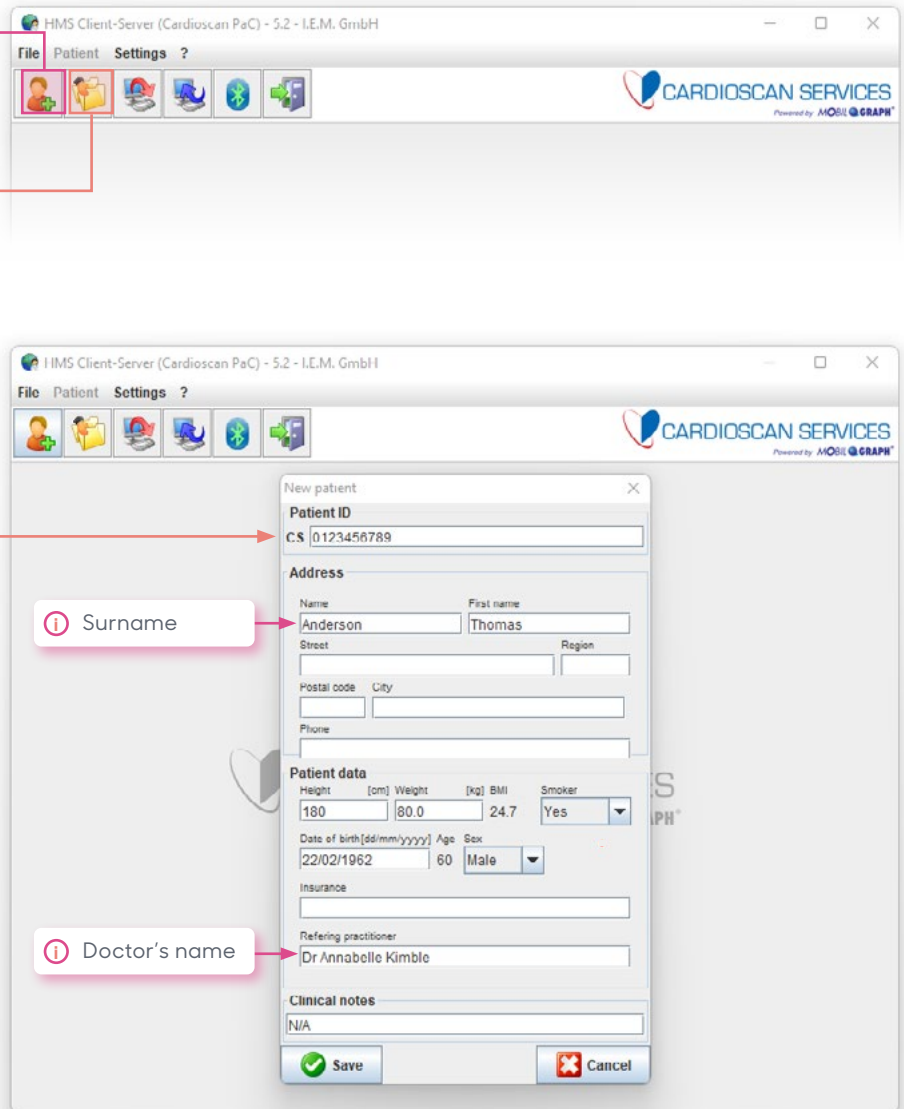
5. Enter **Date of birth**

- Use format **DD/MM/YYYY**

6. Enter full name of **Referring practitioner**

- You **MUST** use the correct captialisation. For example: "Dr Firstname Surname".

7. Input indications for test in the **Clinical notes** field

- If not provided by referring physician, type "N/A".

8. Click **Save** when done.

Before you save..

Double check to ensure the following:

⚠ Fields are completed as shown in above example

⚠ Surname is in the lefthand field

⚠ Patient and Doctor names are capitalised correctly

⚠ Date of birth is correct and in the indicated format

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Device preparation

1. Click Prepare Device icon

- Please wait while it connects. You will then be presented with the **Prepare device** menu.
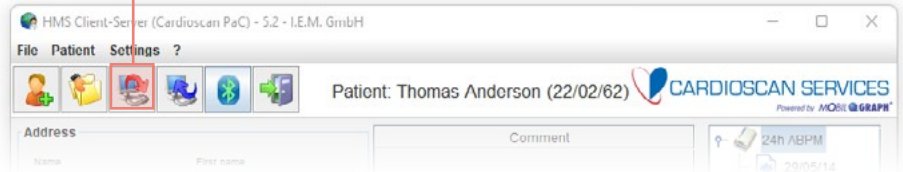
2. Click Send Patient ID

- If you close before sending the ID to the device, you will be prompted with a reminder.

ⓘ **Windows 11 users:** If the **Prepare device** and **Read-out device** buttons are disabled while the device is showing **CO**, please contact helpdesk.

3. Click Delete measurements

- This is important and will ensure there are no conflicts when recording.
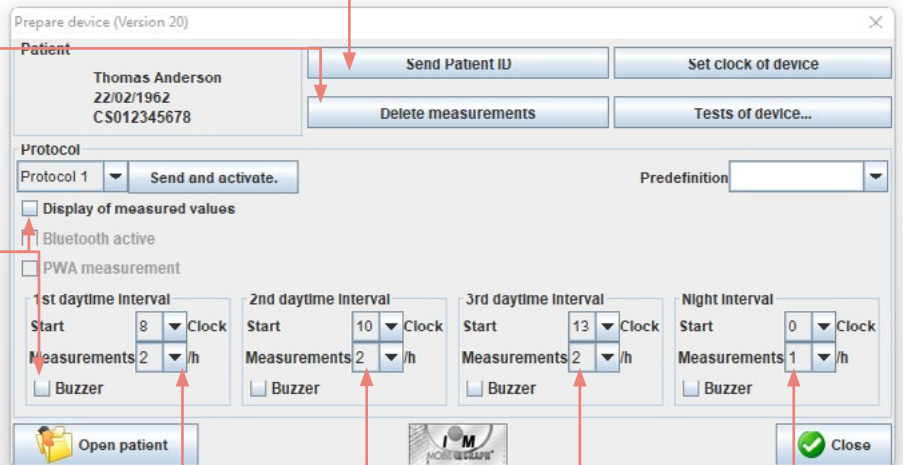
4. Unselect all checkboxes

- Ensure the **Display of measured values** and all **Buzzer** boxes are blank.

5. Click Set clock of device

- This will match the device's clock to your computer's time.

	Start:	8 Clock	10 Clock	13 Clock	0 Clock
	Measurements:	2 /h	2 /h	2 /h	1 /h

6. Set time intervals

- Ensure settings are exactly as shown here.

⚠ Incorrect settings will cause delays with report interpretation

ⓘ If possible, it is recommended this is set to the patient's normal bedtime.

7. Click Close

- You may now disconnect the device and is ready for fitting.

Watch a setup video or download guides
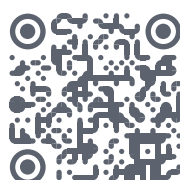
Video and written instructions can bew accessed by scanning the QR code.

Alternatively, simply visit this link: **cardioscan.co/resources/mobil-o-graph/**

Need help?

Contact us online at
cardioscan.co/contact

Or contact your local CardioScan representative directly

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Fitting device to the patient

Before you begin

Ensure the following:

- ABPM is worn underneath clothing.
- New AA batteries are used
- Device is off until fitted on the patient

1. Getting started

- Measure length around the left arm. If it is within the size range listed on the cuff attached to Mobil–O–Graph **(a)**, proceed to **Step 2**.

- **If not**, change the cuff by pulling firmly on the tube connector to remove it.

- Next, attach the correct cuff by pushing firmly on the tube connector until it **clicks** into place.

2. Putting on the device

- Place the strap over the body from right shoulder to left hip, and place the tube behind the neck.

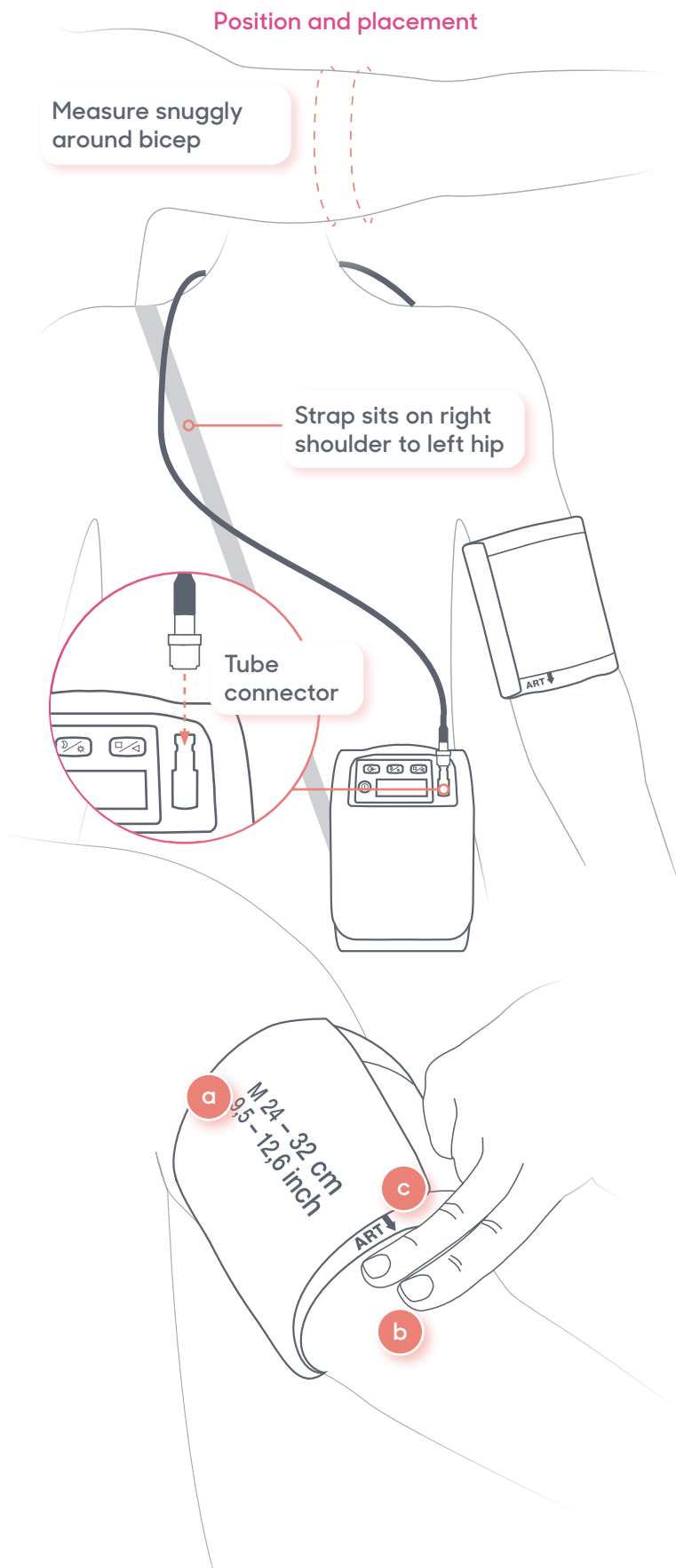ⓘ Ensure there are no twists or kinks.

3. Positioning the cuff

- Place the cotton sleeve on the **left arm**.

- Next, slide the **left arm** into the inflatable cuff and move it up over the cotton sleeve to position it about 2-fingers above the elbow, refer to **(b)**.

- Velcro the cuff, ensure a finger can comfortably slide between the cuff and the arm.

- Make sure the arrow on the cuff is inside of the arm and over the brachial artery, refer to **(c)**.

4. Starting the test

- Press the power button ⃝ and allow the device to start up.

⚠ If time on device is incorrect, do not proceed until it is reset. You can do this manually on the device. Refer to "**Using device and common errors**"

- Inititiate a manual measurement by pressing the **Start button** ⃞ to begin a test, then instruct patient to stand or sit still while the cuff inflates.

Position and placement

Measure snuggly around bicep

Strap sits on right shoulder to left hip

Tube connector

M 24 – 32 cm
9,5 – 12,6 inch
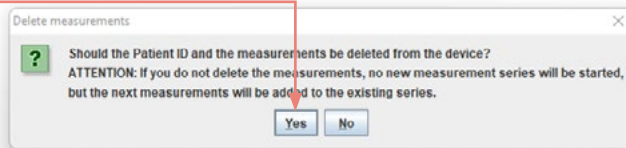
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Upload data to CardioScan

1. With a Patient record open, click Read-out device icon

- Select Yes when asked if the measurement should be assigned to this patient.
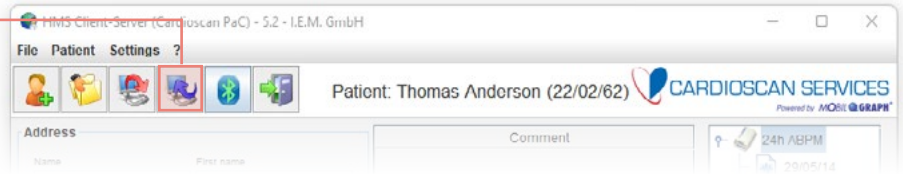
2. Select Yes to clear data

⚠️ Deleting data from the device is **crucial**, failing to do so may invalidate subsequent studies

3. Choose start of daytime and nigh intervals

- You must now adjust these settings to accommodate the actual wake/sleep times indicated by the patient.

4. Click Save to continue
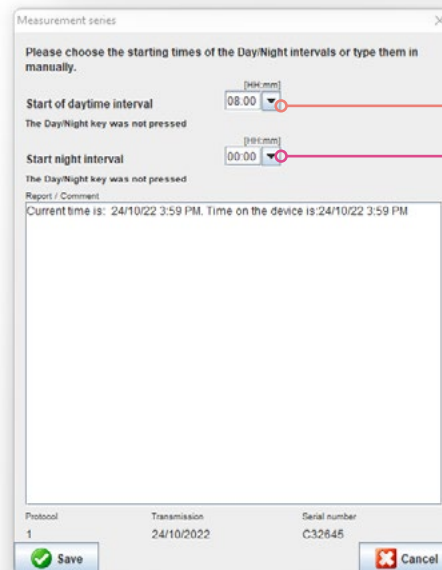

| Start of daytime Interval | = | Time patient woke up |

| Start of night Interval | = | Time patient went to bed |

ⓘ Since most studies are 24hrs and begin at a clinic, the device will first activate the night interval (i.e. the night of fitting). and then the daytime interval (i.e. the following morning).

5. Click the new Synchronise button to upload the data

- The process can take a few minutes to complete.
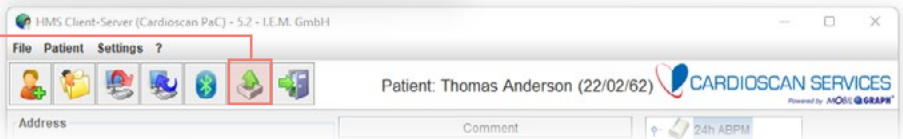
6. Once complete, the button will change as shown

- Exit the program and CardioScan will promptly deliver your BP Report on BeatBox.

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# Using the device and common errors

When the device is prepared correctly using the software, interacting with the device's control panel should be unnecessary.

However, in instances where you do not have easy access to a computer system, you can perform some tasks directly on Mobil–O–Graph.

Setting the time

Time and date can manually be set by;

a. Holding the **Start button** and then pressing the **Event button** will activate "Set time" mode.

- To change the current number, use the **Start button**

- To move to the next number, press the **Event button**.

Start / Stop   Event
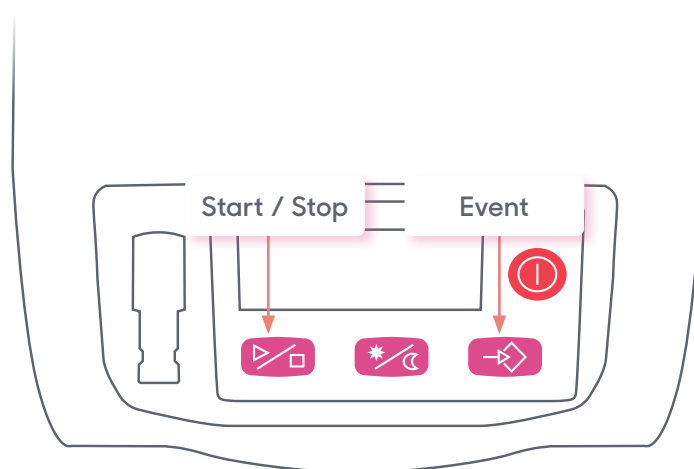
Clearing the data

Any extraneous data on the device can be manually deleted by;

a. Holding down the **Start button** for at least 5 seconds. All segments of the LCD are highlighted followed by a single beep.

b. Then the number of the recordings is shown, followed by "clr"

c. To delete all recordings: Press the **Event button** within 5 seconds or hold down for at least 2 seconds.

Common causes of errors

The patient's arm moving during measurement	Kinking or knotting of the cuff tube
Device being switched off (e.g. at night)	Not fully charged or incorrectly charged
Incorrect cuff size / cuff slipping	Excessive motion or movement

Acoustic error signals

3 beeps	System error
Continuous beep	Serious system error (e.g. excessive cuff pressure)

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