c-med° alpha - Firmware update In-ear sensor



Update process

Introduction

These instructions make it easy to update the c-med° alpha to the latest version.

A few steps are required to install the latest device firmware on the sensor.

Prerequisites:

- A mobile device with activated Bluetooth
- Installed cosinuss° Lab App on the mobile device. The Lab app is available for iOS and Android:
 - <u>https://apps.apple.com/de/app/cosinuss-lab-app/</u> <u>id6447358725</u>
 - <u>https://play.google.com/store/apps/details?</u> id=de.cosinuss.flutter_lab_app&hl=en_US
- The mobile device has internet access
- The c-med° alpha is switched on and within Bluetooth range (10m)

cosinuss° Lab App for Android:

cosinuss° Lab App for iOS:











Update process

Connect with the cosinuss[°] Lab App

Open the cosinuss° Lab app and enter the serial number of your c-med° alpha. This can be found on the back of the sensor.

Tap the OK button.

The Lab App briefly searches for your sensor and then connects.

If you are not connected to the sensor after a short time, check your Internet connection.

Onboarding Verify sensor
🕐 Serial number
(i) Where to find the serial nu The serial number is written or sensor.
SN ABC123





- 1. Entering the serial number.
- 2. Information on where to find the serial number.



Update process

Start installation

After the Lab App has connected to your sensor, a screen with vital parameter tiles appears.

(1)

Tap the menu icon in the top left-hand corner of the screen. A sidebar will expand and you will see:

- 1. Vital signs
- 2. Change behavior
- 3. Perform DFU
- 4. Support

Under 'Perform DFU' you will see the current device firmware version of your sensor as well as a note if a newer version is available.

Tap on 'Perform DFU' to install the new version of the device firmware.

A message box will appear indicating what you should pay attention to during installation.

At the same time, you will receive a notification from your end device that an external device wants to pair with your end device.

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c-med° a	FO Ipha	í	? %	*
Temperature		Heart Rate bpn	n	
sp02 %				
	✓ Ser	isor OK		
Sensor version (ser App version: 0.3.34	ver): 0.0.33 (00 9	0bba28c620b)		



1. Menu icon

97%

3

- 2. 'Perform DFU' menu item
- 3. Notification dialog





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Pairing the c-med[°] alpha with the end device

A dialog box appears in the Lab App with the message that the devices must be paired.

Pull down the notification bar at the top of your end device to see the notification with the pairing request.

Tap on pair.

You will be asked for a PIN in the pairing dialog box.

Enter the 1 six times here: 111111 and confirm your entry.

Lab /	Арр
¥	Vital signs
\$	Change behavior Bluetooth: Extended Data
C (1) Checking pairing state
0	
	Pairing request • now Tap to pair with cmed.
L	Pair & connect Cancel Please check your notification
L	pairing request and enter the "111111"
l	If the update is not continuing entering the code then press
	DISM





Mit C koppeln? 2 111111 In der Regel 0000 oder 1234 Die PIN enthält Buchstaben oder Symbole. Möglicherweise müssen Sie diese PIN auch auf dem anderen Gerät eingeben. Abbrechen ОК 2 3 5 6 4 <u>ш</u> 7 8 9 $\langle \times \rangle$

0

- 1. Note on the need for pairing
- 2. End device dialog box for pairing external devices.

Practical advice

If the pairing notification is not showing in the app Possible reasons that the pairing notification is not showing up:

- Have a look at your notification drawer.
- The sensor may already be paired with your phone. If the app does not continue, then press REFRESH.
- If there is still no dialog, then try again or have a look at an alternative pairing method.





Update process

Installation

The latest device firmware will now be installed. You can see the progress in the sidebar under 'Perform DFU'. It can take up to several minutes.

Notes:

- Please ensure that an Internet connection is available at all times.
- Place the sensor near your end device.
- Do not close the app during installation.
- Do not switch off the display either.

As soon as the update is complete, the device firmware version under 'Perform DFU' will change to the installed version.

One last step:

Lab	Арр	
•	Vital signs	
۵	Change behavior Bluetooth: Unknown	
C	Perform DFU [Device in update mode] Updating 2%	(
\odot	Support	





- 1. Progress bar
- 2. New device firmware version



Update process

The last step

 Disconnecting the sensor: Tap on the x in the upper right corner to disconnect sensor and Lab App. Close the app.

Congratulations!

Your c-med[°] alpha is now up to date and ready to be used with the cosinuss[°] Health App.

Training documentation for cosinuss[°] Health App in combination with the c-med[°] alpha can be found here: <u>COS_Health_Training_EN_1701095121</u> (PDF)



= \	Vital signs			×
	1QH6T0 c-med° alpha		? %	*
Tempera	ature °C	Heart Rate	m	
sp02 %				
Sensor vers App version	sion (server): 0.0.33 (0	nsor OK 00bba28c620b)		

