



**CorPatch<sup>®</sup>**

# CorPatch<sup>®</sup> Trainer

## User Manual

English

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CorPatch<sup>®</sup> Trainer Version B11

## Table of content

Abbreviations	3
Description of CorPatch® Trainer	4
The hierarchy from institute to trainee	6
Intended use	8
Items included	10
Setting up your CorPatch® Trainer	11
Setting up the CorPatch® Trainer App	15
Main screen	18
Training with CorPatch® Trainer	19
Understanding the feedback screen	32
Understanding results of training	39
Organizing your courses	40
Using the CorPatch® Management System	44
Environmentally friendly disposal of CorPatch® Trainer	48
Technical data	49
Warnings and information	51
Warranty	52
Privacy, data protection and general terms	53

## Abbreviations

AED	Automated External Defibrillator
App	Application
CPR	Cardiopulmonary Resuscitation
BLE	Bluetooth® Low Energy
BLS	Basic Life Support
CMS	CorPatch® Management System
EMC	ElectroMagnetic Compatibility
ERC	European Resuscitation Council
EU	European Union
FAQ	Frequently Asked Questions
GDPR	General Data Protection Regulation
iOS	Apple operating system
LED	Light-Emitting Diode
Qi	inductive energy transfer
QR	Quick Response

## **Description of CorPatch® Trainer**

CorPatch® Trainer as a part of the CorPatch® product family has been invented to facilitate training of high-quality cardiopulmonary resuscitation (CPR). The system assists instructors and trainees from absolute beginners to professionals.

Our philosophy is adapted to train as you fight. This means we want to use a similar system for training as in real events of cardiac arrest when CPR is necessary. For emergency CPR we recommend our CorPatch® medical device. Performing cardiopulmonary resuscitation according to quality standards is crucial to saving lives.

### **The CorPatch® Trainer system**

The CorPatch® Trainer system contains a rechargeable feedback sensor and a free app. It measures depth, frequency, recoil, and flow-fraction (the fraction of time where chest compressions are given) while the user performs chest compressions. The CorPatch® Trainer app gives recommendations for improving chest compressions. Optionally, giving rescue breaths will be advised as well. To secure high-performance CPR, regular practice is paramount.

This whole scenario is going to be trained within a CPR or first aid course.

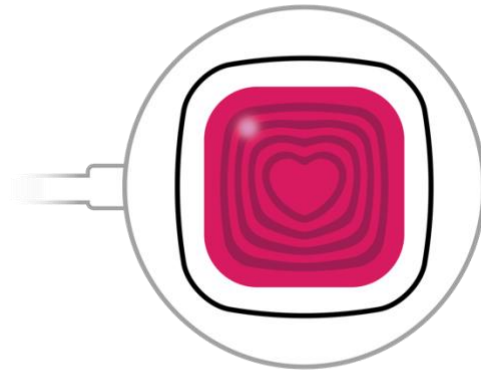
The CorPatch® Trainer app simulates the checking of vital signs you would perform in case of a real cardiac arrest. The CorPatch® trainer is designed to train CPR in a first aid course, while the CorPatch® medical device can be used in a real emergency. In case you witness a cardiac arrest, besides checking for vital signs the CorPatch® medical device and its App will assist you with calling the emergency service.

The information in this user manual is aimed for



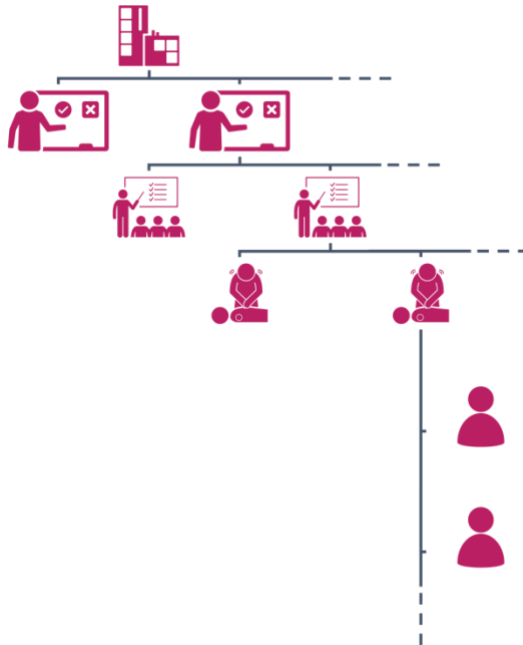
Training Institutions, which provide first aid training (*Institutes*), professional and already qualified CPR instructors (*Trainer*) as well as *Trainees* from a CPR training course with CorPatch® Trainer.

### CorPatch® Trainer feedback device



CorPatch® Trainer features a long battery life for uninterrupted use and the latest wireless charging technology. You may use any Qi-compatible wireless charging device you probably already use to charge your smartphone. CorPatch® Trainer connects to your tablet computer via Bluetooth® Wireless Technology.

## The hierarchy from institute to trainee



As *Institute* you might operate different training site locations with a team of *Trainers*. All *Trainers* can be invited by you as *Institute Admin* separately. Also, you have special rights to change presets of created courses.



As *Trainer* you can offer different **COURSES**. There might be a course for CPR beginners (Basic Life Support), different peer groups or professional Advanced Live Support providers. These can be set up within the CorPatch® Trainer App. When you have started your new course, you can [add Trainees](#).



You as a *Trainee* need to exercise at least once with the CorPatch® Trainer. Those different short sessions of a predefined time are called **TRAINING**.

## **Requirements and recommendations for using CorPatch® Trainer**

To use your CorPatch® Trainer it is necessary to download the CorPatch® Trainer App to your tablet. The App requires Android 8.0 respectively iOS 14.0 or later versions with Bluetooth® Low Energy 4.2 support or above. We recommend updating your device's operating system regularly.

Since your CorPatch® Trainer connects to your tablet via Bluetooth® Wireless Technology, Bluetooth® Wireless Compatibility must be ensured. For best connectivity performance keep your CorPatch® Trainer in appropriate proximity to your tablet while using it. Disconnect any other Bluetooth® Wireless Devices while using CorPatch® to ensure the best data transmission.

CorPatch® Trainer comes with an Adhesive Patch that should be mounted on the CorPatch® Trainer after unboxing. During training the CorPatch® Trainer is attached on the manikin to prevent it from slipping or lifting off while training.

## Intended use

CorPatch® Trainer assists instructors and supports your trainees in exercising CPR by the current international guidelines for resuscitation in combination with a dedicated CPR manikin. CorPatch® Trainer solution allows you to keep your Training Institute organised and invite different Trainers. You will have a lot of options to customize your training by using the [CorPatch® Management System](#).



**Please note!** The system must not be used in a real case of cardiac arrest as the CorPatch® Trainer is no medical device!



## Important information

This user manual will inform you about the product and you should carefully read it to understand the proper use of your CorPatch® Trainer. The CorPatch® Trainer should only be used as described in this user manual.

Warnings and Cautions are used to describe areas where the wrong use of the CorPatch® Trainer may lead to an undesirable effect.

CorPatch® Trainer can be used by anyone strong enough to perform CPR.



**Information** is used to focus on relevant messages to be noted.



**Warnings** are used for scenarios of application that can lead to hazardous situations, unsafe situations, personal injury, or death.

## Items included

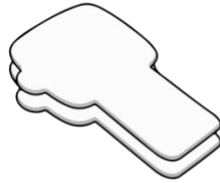
The CorPatch® package includes:

- 1 x CorPatch® Trainer
- 2 x CorPatch® Trainer Adhesive Patches
- 1 x Packaging Inlay

CorPatch® Trainer  
device

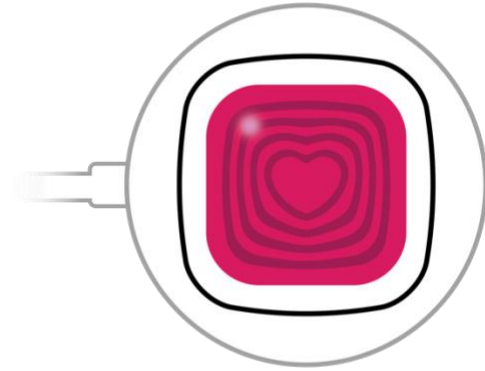


CorPatch® Trainer  
adhesive patches



## Setting up your CorPatch® Trainer

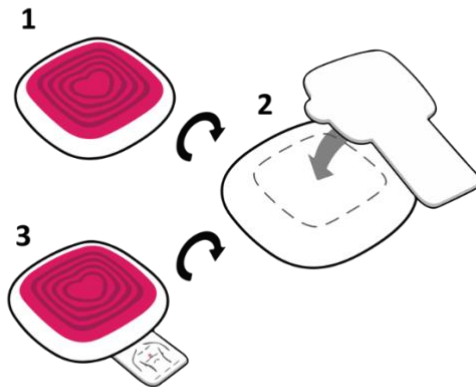
After unboxing your CorPatch® Trainer, please charge it completely using a Qi charger. Charging in progress is indicated by the red LED on the front side.



The LED turns off when the battery is fully charged. Now please press and hold your CorPatch® Trainer until the LED starts flashing and turns off.

## Adhesive Patches

CorPatch® Trainer comes with a replaceable Adhesive Patch that should be mounted on the CorPatch® Trainer device after unboxing. Remove the paper from the downside of the Adhesive Patch (perspective in step 3) to mount your CorPatch® Trainer to your manikin. Store the removable paper to reuse the adhesive.

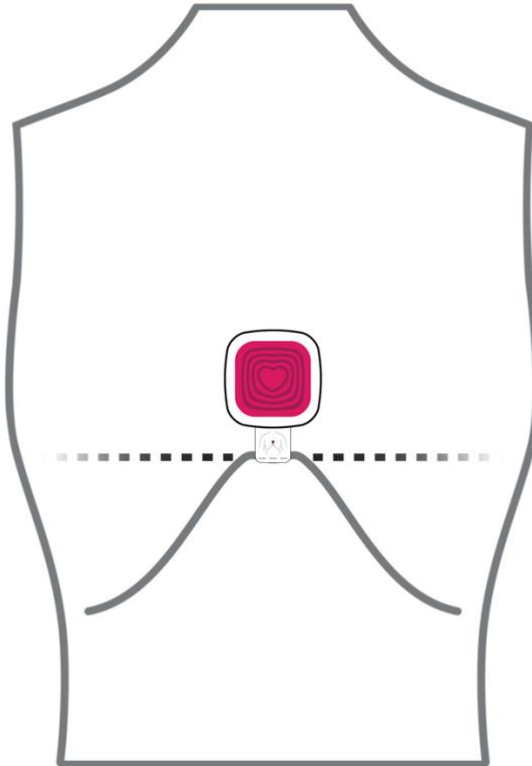


It is recommended to use the provided Adhesive Patch to ensure a fixed connection between your manikin and the CorPatch® Trainer facilitating accurate feedback. Otherwise the device might stick to the trainee's hand which would result in wrong feedback. To reuse the Adhesive Patch, remove the CorPatch® Trainer from the manikin and put the removable paperback on the Adhesive Patch back again. Replace the Adhesive Patch if it's not sticking tightly anymore.



Before applying the patch to the sensor make sure, that the sensor is clean, dust free, grease free, dry, and has been brought to room temperature. The sticky surface of the patch must not be touched after the paper cover has been removed.

The positioning aid guides you in placing the CorPatch® Trainer correctly onto the manikin.



**Please note!** The selected Adhesive Patch material has been tested on different manikins extensively. However, there is no guarantee that it can be removed fully without residues. So please test it with your manikin at an insignificant spot.

In the unlikely case of residual material on your manikin after removing the Adhesive Patch, please ask the manufacturer of your manikin how this can be cleaned best.



**Please note!** Do not perform Training on a human person as this poses a life-threatening risk. Use a manikin.

## Setting up the CorPatch® Trainer App

Before using your CorPatch® Trainer to exercise CPR, you need to download the free CorPatch® Trainer App to your tablet by using either of these QR codes:



[Google Play Store](#)



[Apple App Store](#)

The App requires Android 8.0 respectively iOS 14.0 or later versions. We recommend updating your device's operating system regularly.

Since your CorPatch® Trainer connects to your tablet via Bluetooth® Wireless Technology, Bluetooth® Wireless Compatibility must be ensured.

## Approval of privacy terms

The CorPatch® Trainer App needs the following Permission and Settings to function properly:

- Bluetooth® Wireless Technology is needed to build up a connection between your tablet and your CorPatch® Trainer
- Some systems also require turning on localization. If so, the App will ask you to give permission.

Overviewing the **TERMS AND CONDITIONS** as well as the **PRIVACY POLICY** is possible within the CorPatch® Trainer App (see [Main Screen](#)).



## Login

To log in to the CorPatch® Trainer App, you must have received an invitation as *Institute Admin* or *Trainer* via email.



As an *Institute Admin*, an invitation will be sent to you by CorPatch®. After that, you can send invitations to additional *Trainers* by using the [CorPatch® Management System](#).



To log in as *Trainer*, the *Institute Admin* will send you an invitation.

You will receive an individual **LINK** by email to join CorPatch® as *Institute Admin* or as *Trainer*. Following this link, you will be guided to the [CorPatch® Management System](#), where you will be asked to enter a password which you can choose freely.



Form fields for login:

- Input field for email address.
- Input field for password, with a visibility toggle icon (eye).
- Input field for a secondary password or confirmation.
- A teal button with a white rectangular label.

Now you can **LOG IN** to your CorPatch® Trainer App. Please use the same email address to which the invitation has been sent and your chosen password.

## Main screen

After you logged in, the app is ready to run. On the main screen, you will find a navigation bar on the left side.



To set up your CorPatch® Trainer App regarding your individual preferences please choose **SETTINGS**. To start a Training you have to create at least one course by tapping on the **+BUTTON** on the top of the screen. On the upper right screen, you can see a **CONNECTION STATE ICON**, which is grey when your CorPatch® Trainer is not connected to the App. For additional support, you can navigate to **HELP**. The section **TERMS** provides information about the company SmartResQ ApS and the CorPatch® products. Furthermore, there are terms of General Data Protection Regulation (GDPR), data processing, rights, licences terms of use, contact address, and much more. If you want to log out of your account, you can tap on **LOGOUT**.

## Training with CorPatch® Trainer

By tapping on **COURSES**, an overview of already created courses will be shown.

### Create new Course

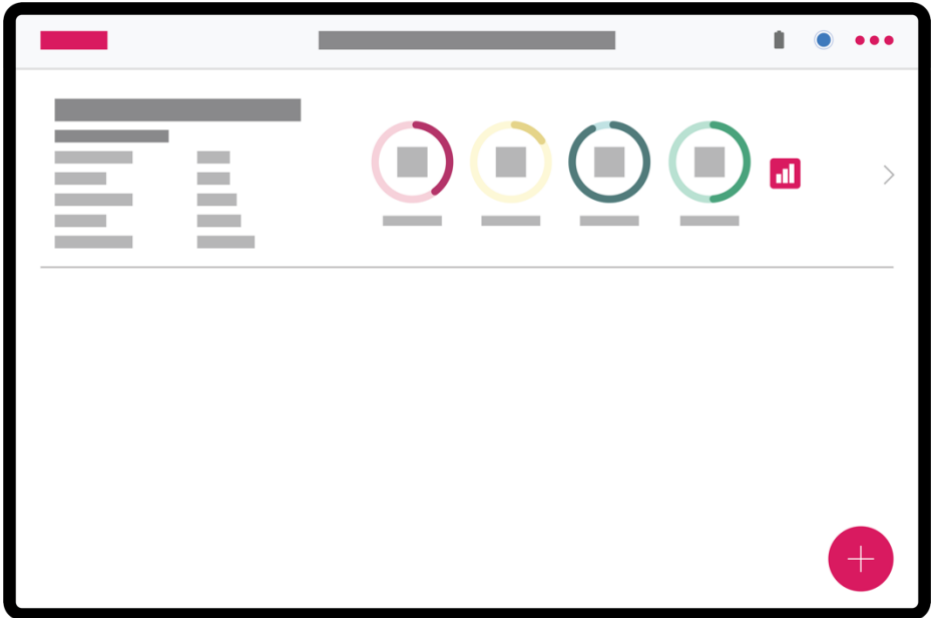
To create a new course just tap on the **+ CREATE COURSE** at top of the main screen.



Feel free to type in whatever you agreed with your institute. You may use the name of the company or an individual number as an identifier and the name of your training site as the location. Comments are up to you. The number of participants can be selected here. You may add up to 20 *Trainees* to one course.

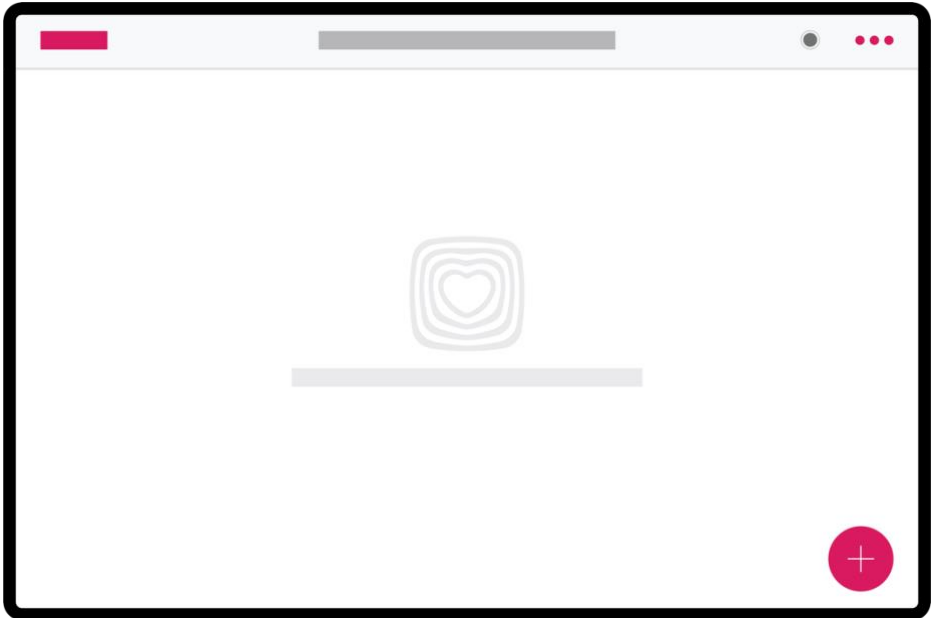
Once you have finished just press **CREATE COURSE** on the upper right corner of the dialogue to proceed. To come back to the main screen just tap on the outer area of the dialogue.

Now there will be displayed an overview of your course. Tap on it to proceed.



## Create a Training

One course can include several training sessions. To create a new one, just tap on the **COURSE** you created. A new screen will appear where you can find a training overview.



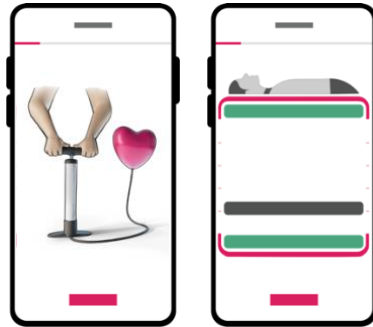
To create a new training just tap on the **+BUTTON** on the lower right screen.

Now a dialogue appears where you can set up a training.



You may use an individual **IDENTIFIER** for this training. The **DURATION** can be adjusted in steps of 30 seconds from 0:30 to 10:00 minutes. You can choose the kind of audio-visual **FEEDBACK MODES** from:

- none (no feedback)
- Pump (air pump model)
- Bar (moving bar)



Pump

Bar

The **SESSION TYPE** describes whether the course should contain ventilation training (30:2) or not (chest compressions without ventilation).

The **FREQUENCY** is pre-set at 110/min according to European Resuscitation Council (ERC) Guidelines.

The animations to **CHECK FOR VITAL SIGNS** (Response, Breathing) enables Trainees to train the checks as being part of Basic Life Support (BLS). You may disable this procedure by unchecking the indicated box.

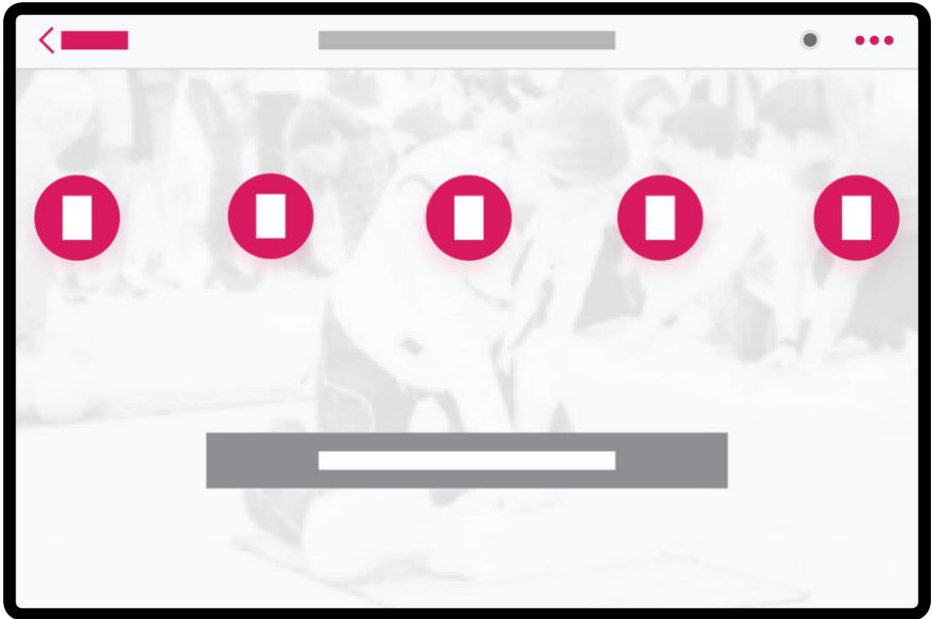
The **RESULT TYPE** varies from None to Simple (Emojis), to Standard (Pie-Charts), and Expert Result (Statistic). The Expert result type is the most detailed presentation of the performance within the session or course and provides more information about the training sessions. It includes **TRAINING STATISTICS**, which will display contextual data of the training sessions, e.g., Active duration in min/sec, average Frequency, average Depth, (No-) Flow as seconds where CPR was (not) performed, and the total number of compressions.



**Please note!** Some settings may be greyed out/not available and hence not changeable. This is because of the pre-set your *Institute Admin* has selected in the CorPatch® Management System which can be changed anytime.

## Adding personal information

Once you have created a training you may want to add personal details of some or all Trainees. An overview of the number of participants you preselected, is shown on the next screen.



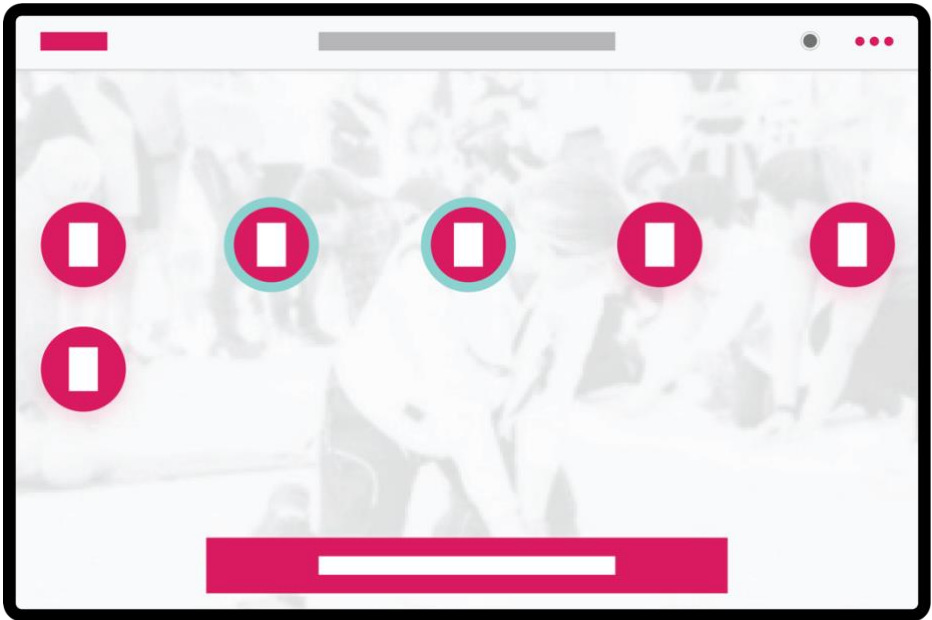
By selecting the submenu via the three dots in the upper right corner, your trainees will be able to insert their **EMAIL ADDRESS** and **NICKNAME**. Just press **SAVE** to get back to the overview.

You can also add more Trainees via this menu if needed.



## Training session

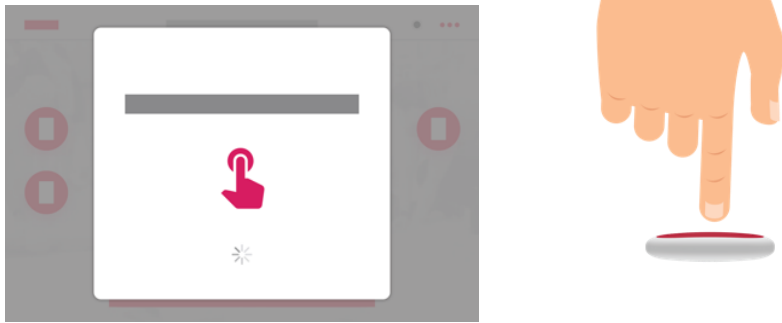
To start training, please mount your CorPatch® Trainer device on the manikin as shown by the [pictogram of the Adhesive Patch](#). Once you have created a course and a subordinate training you start your training by selecting *Trainees*.



To start a training session just tap on each *Trainee* (#Number) you want to involve in the training. The selected *Trainee*(s) will be highlighted with a turquoise circle.

If you select only one *Trainee*, you will press **START SINGLE TRAINING**. You may select up to five different *Trainees* and **START GROUP TRAINING**. In any case the session will begin.

By starting the training, you will be asked to connect your CorPatch® Trainer device. This is done very easily by briefly pressing the button in the centre of your CorPatch® Trainer.



The yellow checkmark indicates the connection in progress and turns green when connected. This usually happens very fast.

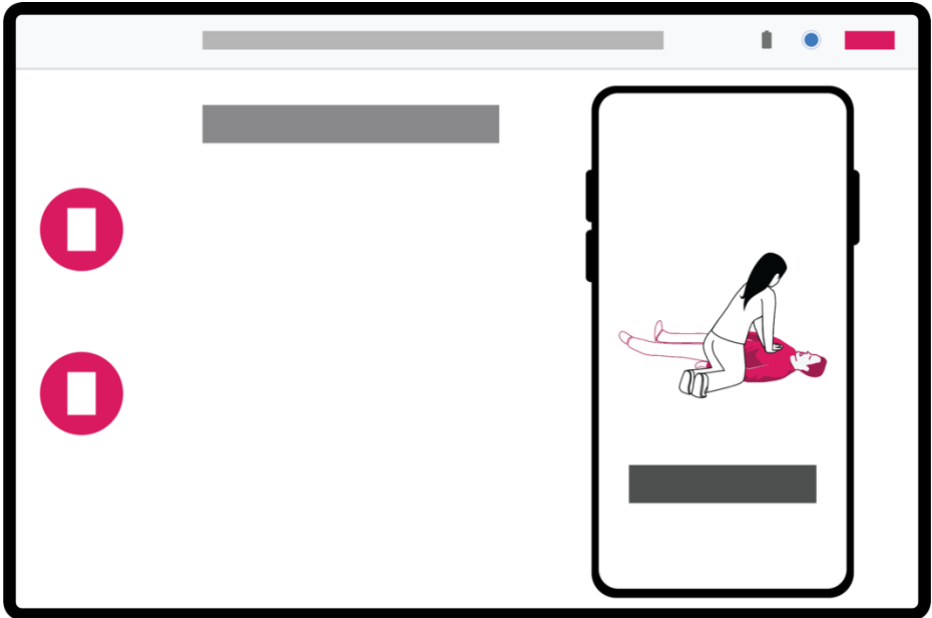
Make sure your CorPatch® Trainer is charged properly and set up before attempting to connect to it (see [Setting up your CorPatch® Trainer](#)).

Please note that your CorPatch® Trainer can only be connected to one device at a time and vice versa. To avoid connecting to the wrong CorPatch® Trainer if there are multiple devices in the room, connect them one at a time. If the incorrect CorPatch® Trainer is connected, disconnect it.

The blue dot in the upper right corner indicates, that your device is connected.

Depending on your pre-set for this training you will be guided through a vital sign check procedure and after that starting the CPR.

To start, first, choose one of the Trainees (#Number) from the left side of the screen by tapping on them.



If you have started a group session with multiple *Trainees* you may switch between them by tapping on their related buttons.

The currently active *Trainee(s)* is/are indicated by a turquoise border. Please note, that the Trainees have to switch as indicated by the CorPatch® Trainer App.

## Performing CPR with CorPatch® Trainer

Training CPR with the CorPatch® Trainer is not much different from training without the device.



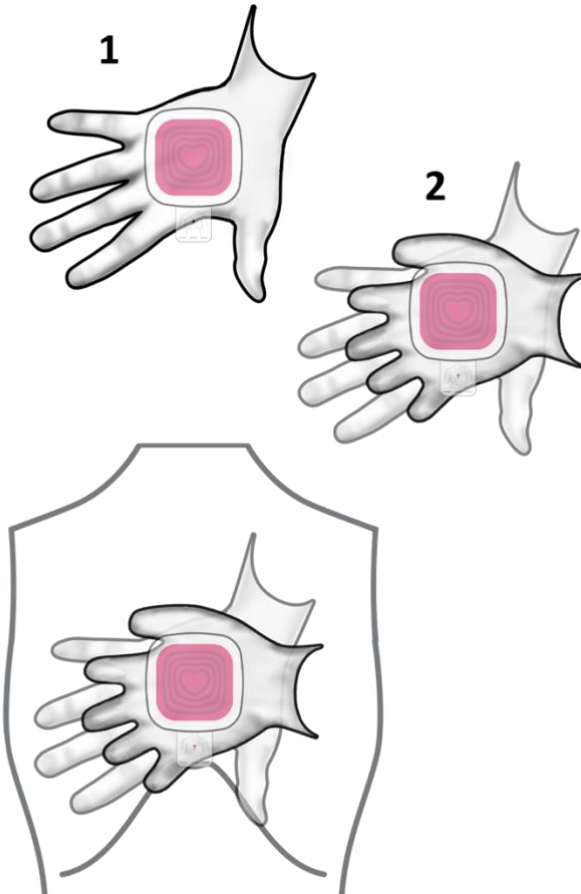
Always make sure that shoulders, elbows, and wrists are aligned, and the shoulders are placed exactly vertically above the trainees' wrists to avoid lateral shifting and secure the best conduction of the force needed.

Be aware that the person who performs chest compressions should change every two minutes, or when recognizing that chest compressions are no more effective according to the current recommendations.

Placing the CorPatch® Trainer on your Manikin is guided by the [positioning aid printed on the Adhesive Patch](#). There are two recommended positions for the CorPatch® Trainer device depending on the hand size:

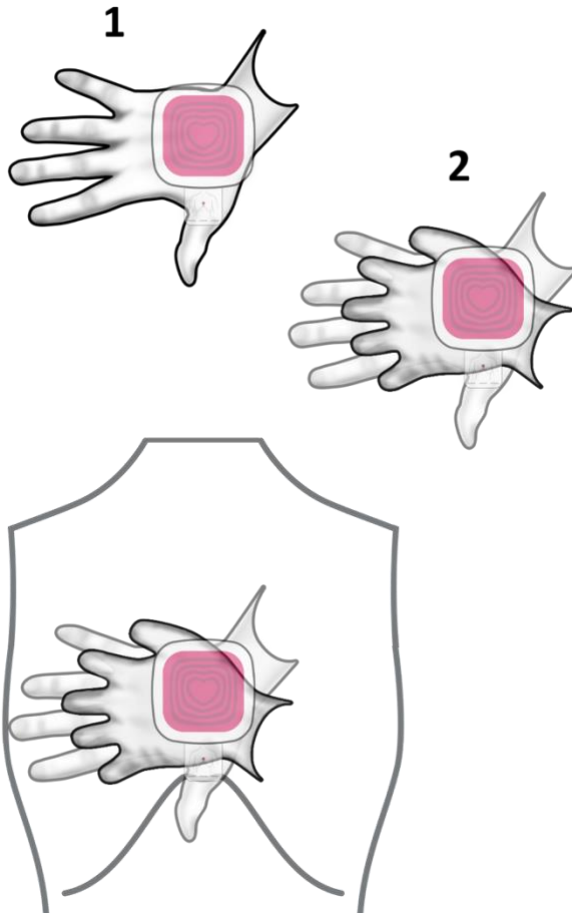
### Position 1 – middle palm

This position is suitable for most people especially those with bigger hands and very comfortable due to good pressure distribution.



## Position 2 – wrist

Nearly everybody will be happy with this position. Make sure that your shoulders are positioned just above your hands to guarantee axial pressure.



No matter which position is chosen, make sure you hear and feel the click when the recoil is done completely. There is a small switch integrated giving acoustic and haptic feedback when your recoil is sufficient.

CorPatch® Trainer feedback device has been designed to distribute the resulting pressure as evenly as possible. The size and shape have been tested extensively by persons with different sizes of hands. However, in every CPR training situation with manikins, as well as in a real emergency, the force needed to transform the chest compression is quite high and untrained persons might feel sore in their hands after some time.

Your trainees may reduce punctual pressure by some manoeuvres e.g., rotating hands slightly.

## Understanding the feedback screen

The feedback screen is designed to address to different sensory modalities. This enables people with visual or hearing impairments to use the feedback but also considers different external conditions. We, therefore, recommend that you adjust the volume and brightness of your tablet in a way that you can perceive the feedback in the best possible quality.

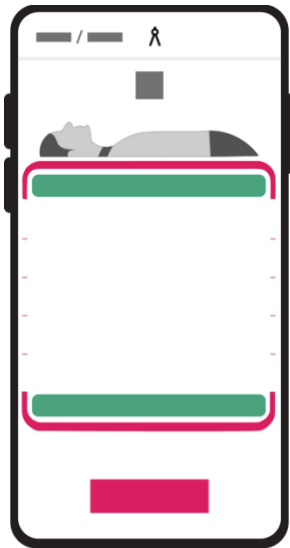
We follow the Guidelines for Resuscitation published by the European Resuscitation Council and the American Heart Association. Targets are 100-120 compressions per minute with 5-6 cm depth and full recoil after each compression. The App instructs Trainees to give two rescue breaths for every 30 compressions if you have selected this within training settings.

In addition to an acoustic metronome, the target frequency is also displayed visually, with a red flashing frame. The app further uses audio instructions but also text instructions to give you recommendations on how to improve your CPR performance.

When you start performing chest compressions and set up the Bar Feedback Screen you will see the following feedback screens. The simplified feedback works quite similarly, but instead of showing real-time feedback, the animation gives recommendations on how to improve your CPR movements. Text and audio advise staying the same.



Initially, you will see two green bars on top and bottom which indicate the average over the last compressions.



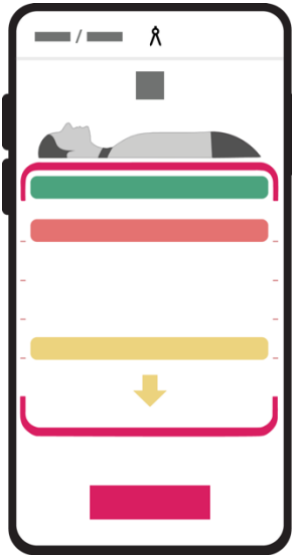
Between them, you see a moving grey bar that shows your actual compressions in real-time.

The brackets in the top and bottom show the target depth and recoil areas that you should try to hit.

The first thing you will see is the app instructing you to **Press!**, which means that it is time to start chest compressions. At the same time, there will be audio instructions to start chest compressions.

In the beginning, your CorPatch® will be calibrated to ensure the reliable measurement of your compressions. This state is shown by an icon on the top right corner. Please perform compressions even if calibration is not finished. As soon as this icon disappears, your compressions will be evaluated, and recommendations will be given to improve your CPR movements.

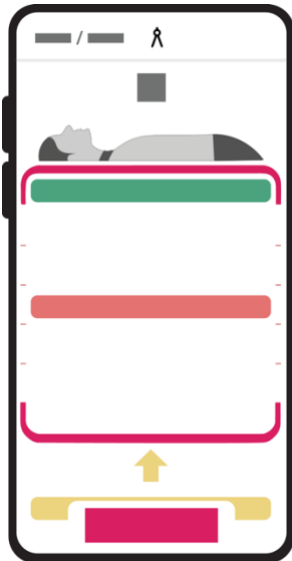
## Finding the right depth of compressions



It is hard to do chest compressions, and in most cases, compressions are too shallow. In this case, the app will instruct you to press **Deeper!**

You can also recognize it by the lower bar having moved up and now showing a down arrow, indicating that you should press deeper.

Once you start compressing deeper, you will see the lower bar moving into place in the bracket.

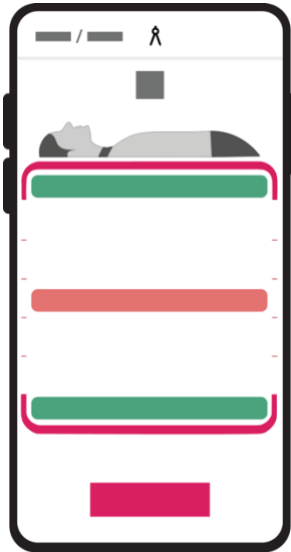


Too deep compressions may result in fractures of the ribs or the sternum and may harm the inner organs of the person who has a cardiac arrest.

If you compress too deep, the app will guide you through both visual and audio feedback to press **Shallower!**

Once you start compressing shallower and achieve the right depth, the recommendation will disappear.

## Finding the right frequency of compressions



In the beginning, it might be challenging to perform compressions at the right frequency. CorPatch® recognizes your compression frequency and provides an acoustic metronome as well as a visual metronome in the form of a red flashing frame.

In the beginning, it might be challenging to perform compressions at the right frequency. CorPatch® recognizes your compression frequency and provides an acoustic metronome as well as a visual metronome in the form of a red flashing frame.

Once you start compressing faster and achieve the right speed, the recommendation will disappear.

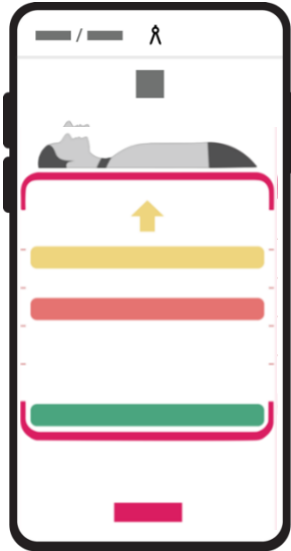
Too fast compressions result in reduced blood flow to the vital organs of the person in cardiac arrest and you will tire more quickly.

If you compress too fast, the app will guide you through both visual and audio feedback to press **Slower!**

Once you start compressing slower and achieve the right speed, the recommendation will disappear.

## Reminder to recoil after each compression

To fill the heart with blood before each compression, it is **very important** to reach a complete recoil of the chest without lifting the hand from the chest. It is important to ensure complete recoil between compressions.

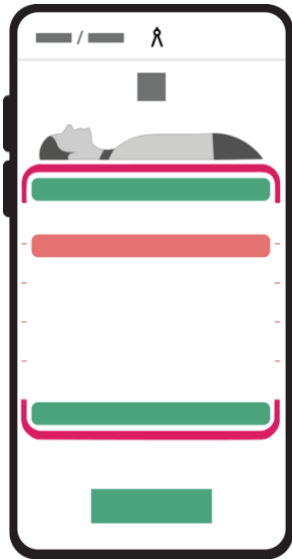


If you do not recoil completely, the app will guide you through both visual and audio feedback to **Recoil!** completely.

Once you are recoiling completely, the recommendation will disappear.

## Once you do it perfectly – keep going!

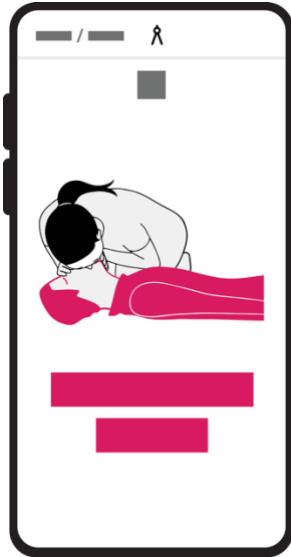
With practice comes mastering! You will gain the confidence to act in case you witness a cardiac arrest. To enable Trainees to repeat exercising CPR at home, the CorPatch® medical device was designed.



In training, you will also experience better performance, and if you perform perfect chest compressions and CPR, then the app will tell you that you are doing well and that you should **Keep going!** Over time, you will experience that this happens more and more often, and it helps you to keep it, for a longer period until an AED or ambulance arrives.

## Rescue breaths

The international guidelines for resuscitation recommend giving 30 compressions and then two rescue breaths. Rescue breaths should be like a normal exhale, and not like blowing up a balloon.



If you set up training on giving rescue breaths, the app will guide you to give two rescue breaths after every 30 compressions - saying **Now give rescue breaths!**

After the time it normally takes to give two rescue breaths, the app will instruct you to continue chest compressions.

To interact with other Trainees, like in a real emergency event, it's possible that one Trainee is performing CPR and the other one executes the ventilation.

## Understanding results of training

The training will end after the chosen time. You will be guided automatically to the result, which has already been described.

To see the total results of a Training tap on the **STATISTICS ICON** next to the pie charts.

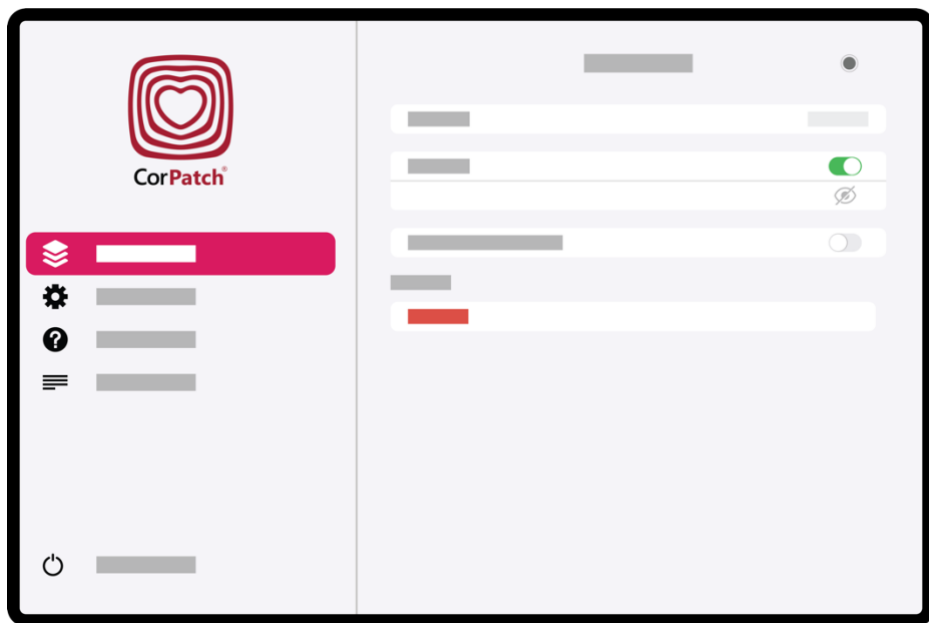


An overview of the different training sessions will be shown. By selecting **TRAINEES** at the top you will be able to see the performance of each participant.

**Flow** indicates the proportion of time with compressions to the total time you made compressions without any breaks. **Depth** indicates the number and percentage of your compressions in the target range of 5-6 cm. **Recoil** indicates the number and percentage of your compressions with a full recoil. **Frequency** indicates the number and percentage of your compressions with a target frequency of 100-120 compressions per minute.

## Organizing your courses

In the main menu, you will find the **SETTINGS** sub-menu.



You can define an individual **PIN CODE** (default is “0000”), which you can enable if you don’t want Trainees to do any changes on e.g., Training, Courses or Settings.

If **KEEP ONLY THE MAXIMUM NR. OF COURSES** is selected there will be a limit of courses that are saved. So only the latest courses will be saved in the App and CorPatch® Management System. You can choose the number of courses freely.

If you tap on **WIPE COURSES**, you will delete all previous courses, except the ones marked as **FAVOURITE**.

To mark courses as Favourite, go to the Main Screen, long press on the desired course, and select **ADD TO FAVOURITES**. Your Favourite courses will never be deleted by the any above standing actions.



## Maintenance and cleaning

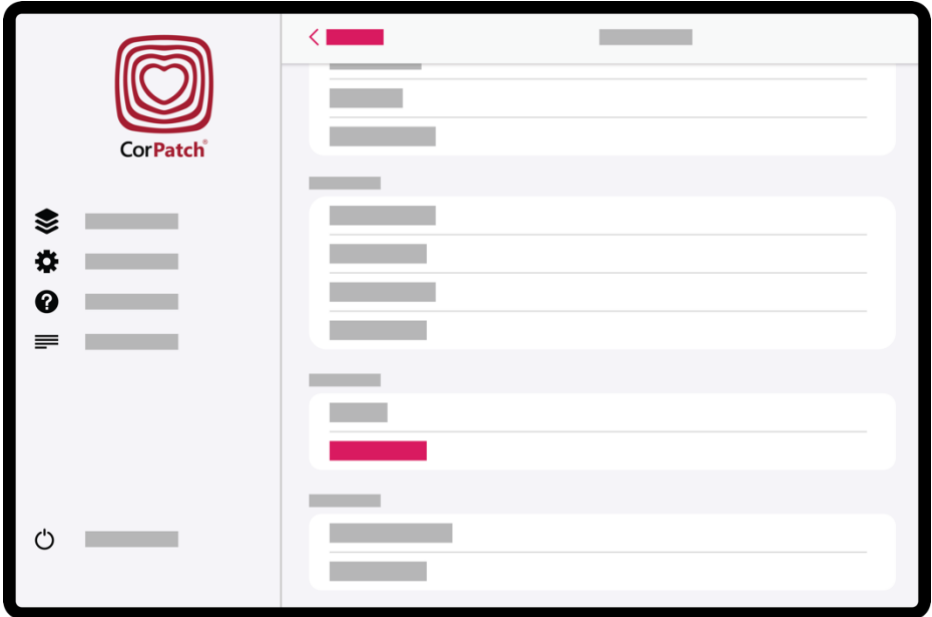
Your CorPatch® Trainer device is protected against water ingress. Although the CorPatch® Trainer device is watertight, the Adhesive Patch is not waterproof and must be replaced if it has been in contact with water or used in a humid environment.

After each training session, your CorPatch® Trainer device can be cleaned with regular disinfectant. Make sure not to damage the Adhesive Patch during cleaning. CorPatch® Trainer is not intended for sterilization.

In case you damage the CorPatch® Trainer device, make sure to replace it immediately. The same applies to the Adhesive Patch. Only by mounting the device tight to the manikin, correct data will be collected. To reuse the Adhesive Patch, stick the removable paperback on the Adhesive Patch after removing the CorPatch® Trainer from the manikin. You should use a new Adhesive Patch if the adhesive is not glued tightly anymore.

## Device Details

To see detailed information about your CorPatch® Trainer [connect it to the CorPatch® Trainer App](#). After that, tap on **SETTINGS** and then **DEVICE DETAILS**.



The **State of Health** is specifically noted. In the unlikely event the CorPatch® Trainer App is showing any information about the defectiveness of your CorPatch® or a red warning icon next to the battery icon, please contact our Support Team: [support@corpatch.com](mailto:support@corpatch.com). The App will help you, to provide any necessary information for the support team.



Scroll down and tap on **BLINK**. The LED that is built into your CorPatch® Trainer will blink. This way you can easily identify the connected CorPatch® Trainer.

CorPatch® Trainer has built-in software, which is used to operate the device, called firmware.

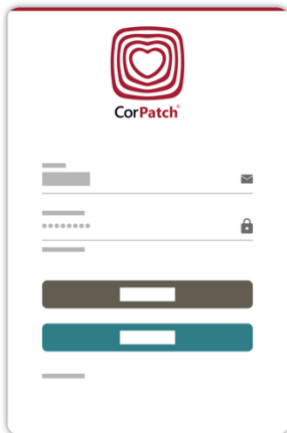
Next to updating the App via your App Market (App Store, Google Play Store) we recommend updating the firmware of your CorPatch® Trainer device regularly. Press the **UPDATE FIRMWARE** button within the Settings menu regularly.

## Using the CorPatch® Management System

CorPatch® offers several opportunities and adjustments to modify functions and appearance to your needs. Depending on your role (Institute Admin, Trainer, Trainee), you will find different web interfaces. You may profit as:

- Company owner
- Leader of an institute
- Trainer (Instructor)
- Trainee

To have access just go to your browser (via PC or tablet) and visit [app.corpatch.com](http://app.corpatch.com) or [tap on the link in your email invitation](#).

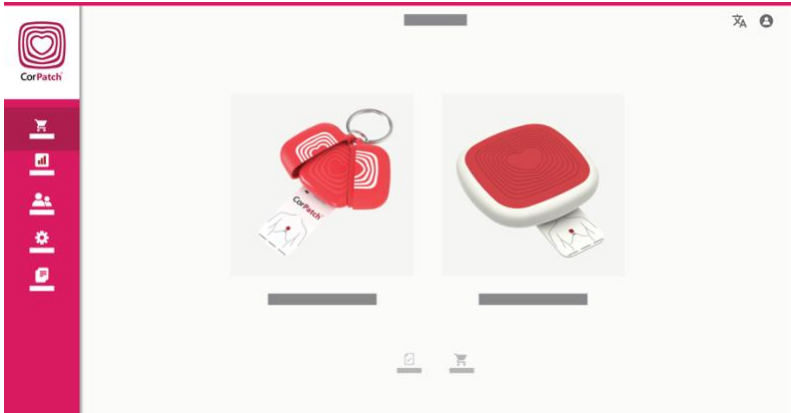


Login to CMS with your registered email (the email address you have received invitation for) and password.

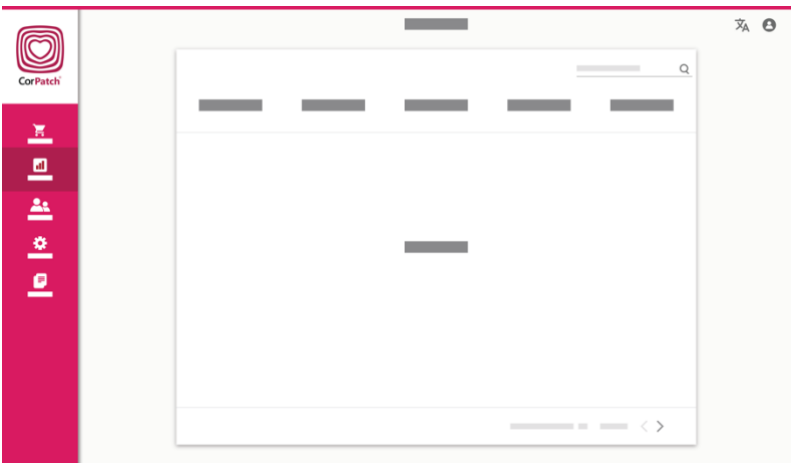
You can reset your password by clicking on **FORGOT PASSWORD?**

## Home screen

Welcome to the CorPatch® Management System. On the left side, you will find a menu to navigate through the website.



Our **SHOP** provides different products in association with the CorPatch® Trainer system. You can purchase for example different additional Adhesive Patches, CorPatch® Trainer or the CorPatch® medical device. This can be used in a real case of cardiac arrest and will guide you to perform high-quality CPR.





When you're logged in as *Trainer* the overview contains all **COURSES** that have been created and executed by you.



As a *Trainee*, you will be able to see **COURSES** you have participated in with your own results for these pieces of training.



When you're logged in as *Institute Admin* the overview contains all **COURSES** that have been created and executed by the *Trainers* related to your Institute. Within **SETTINGS** *Institute Admins* are able to change the presets of courses that will be created by a Trainer. Also, *Institute Admins* have the option to see an overview of all **TRAINERS**, invite new Trainers and delete Trainers.

**TERMS** and more may be found in the last section.

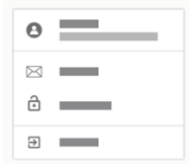


Please note, that it will take some time after training until the training data will be uploaded to the CorPatch® Management System. Also, changing the pre-set of courses will be active only, if *Trainers* re-login to the CorPatch® Trainer App.

## Account settings and logout



You will find the symbol on the upper right side to select your preferred **LANGUAGE** and your **ACCOUNT SETTINGS**. Here you can change your **EMAIL ADDRESS** and **PASSWORD**. If you decide to **LOG OUT**, we are happy to see you soon.



## Environmentally friendly disposal of CorPatch® Trainer

CorPatch® Trainer is a multi-use device with built-in electronics that must be disposed of at the end of its lifetime.



Dispose of your CorPatch® Trainer simply as electronic waste, so that components and material may be recycled.

**Do not** dispose of your CorPatch® Trainer in daily waste! CorPatch® Trainer is a member of national organizations handling the disposal of electronic and battery waste according to the WEEE regulations for recycling of electronic and electrical equipment according to EU Council Directive 93/42/EEC as amended by EU Council Directive 2007/47/EC and EU Council Directive 2014/53/EU.

The packaging of CorPatch® Trainer is made of recyclable cardboard and can be disposed of as such, rather than in daily waste.



## Technical data

CorPatch® Trainer complies with the Guidelines for Resuscitation published by the European Resuscitation Council, as per the following metrics:

Compression depth target: 5-6 cm  
Compression rate target: 100-120 per min.  
Recoil detection: yes

Size: (60 x 60 x 15) mm  
Weight: 45 g

### Ambient conditions

For storage and transport: -40° to + 60°C  
10% to 90% non-condensing  
700hPa - 1060hPa

For operation: 0° to + 45°C  
10% to 90% non-condensing  
700hPa - 1060hPa

Connectivity: Bluetooth® Low Energy, version 4.2

Power supply: Internal rechargeable battery, not replaceable  
Charging: Qi-compatible wireless charging

CorPatch® conforms to the following regulations, standards, and EU directives:

(EU) 2012/19	DIRECTIVE 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE)
(EU) 2011/65	DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
(EU) 2014/53	DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC
(EU) 94/62	EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste
(EU) 2001/95	Directive 2001/95/EC of the European Parliament and of the Council of 3 December 2001 on general product safety
DIN EN 301489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 1: Common technical requirements
DIN EN 301489-17	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems

## Warnings and information



If CorPatch® Trainer is damaged or cracked, you may risk harming your hands, thus stop using CorPatch® Trainer.



Do not use CorPatch® Trainer on any other person, creature or object than the dedicated training object (training manikin).



Do not use CorPatch® Trainer on a moving vehicle such as a car/ambulance, boat or aeroplane.



Do not use CorPatch® Trainer on a manikin laying on a soft surface.



Do not attempt to modify your CorPatch® Trainer. Any unwarranted opening of the device will void any proper operation of the device.



Do not use any SmartResQ/CorPatch® system for fun on any living person, pet, or any other living creature.

## Warranty

CorPatch® Trainer is provided with a limited 12-months warranty. Please refer to our homepage [corpatch.com](http://corpatch.com) for more information and the RMA process in case you experience faults with your CorPatch® Trainer.

## Privacy, data protection and general terms

We handle your data in compliance with GDPR and respect your privacy.

Please find on our homepage our privacy statement, which describes your privacy rights and our commitment to secure your personal information.

We use data from your CorPatch® Trainer to refine the functionality of the product, e.g., in optimising the feedback algorithm. This relates to both training data and the data stored in the app in connection with actual cardiac arrest. All data is used in a Resuscitation System that works closely with scientists to improve survival rates after cardiac arrest. We wish to use this opportunity to thank you for being part of our vision!

If you have any privacy questions, please refer to our homepage or contact us with your specific questions.



**Please note!** Do not use SmartResQ/CorPatch® pages or our services if you do not agree to the way we process personal data under this privacy statement.

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