



**corpuls®**

FOCUS - ON - PATIENTS

**TRAIN  
HOW YOU  
FIGHT  
FOR LIVES**



**corpuls simulation**



# REALITY. SIMULATED.

IF YOU WANT TO BE AMONG THE BEST,  
YOU NEED THE BEST TRAINING.

## The new generation in mission simulation

Previous training methods have focused on learning a technique through repetition. However, there is often a large gap between theoretical scenarios and the actual "fight" for a human life. With **corpuls simulation** we bring 100% realistic scenarios to your training. Just as pilots training in a flight simulator are thrown surprise complications, lifesavers training with **corpuls simulation** have to overcome unforeseen situations. This, as well as the exact replication of all corpuls defibrillators, creates an incomparably realistic training situation. The result is a team that is optimally prepared for every scenario and therefore, a significantly better quality of care for the patient.



## SPECIFICATIONS

### COMPONENTS

- High quality hard case
- Accessory bags on the device (left, right, rear side)
- Transport bag with shoulder strap
- Monitoring ECG cable (ERC/AHA)
- Diagnostic ECG cable (ERC/AHA)
- SpO<sub>2</sub> sensor
- **corpuls** NIBP cuff (with hose) in different sizes
- etCO<sub>2</sub> sensor
- CPR Feedback sensor
- Master cable for **corPatch simulation** training electrodes
- Reusable **corPatch simulation** training electrodes (adult/pediatric)
- Power bank
- WLAN access point and Bluetooth gateway (single-board computer)
- USB multi-charger
- Colour coded case for Instructor iPad

### MEASUREMENTS

- With accessory bags (left, right, rear side): 540 mm x 300 mm x 200 mm (W x H x D)

### WEIGHT

- Device with Apple iPad Pro and Instructor iPad in transport bag with shoulder strap: 6.4 kg
- Device with Apple iPad Pro and Instructor iPad: 5.0 kg

### RUN TIME

- ca. 10 hours plus power bank capacity

More at [www.corpuls.world](http://www.corpuls.world)



# THE SIMULATOR

An Apple iPad Pro in a deceptively authentic **corpuls3** hard case makes up the heart of **corpuls simulation**. There is space in the side pockets for the true-to-original cables and sensors. Thanks to the power bank and integrated single-board computer **corpuls simulation** is completely self-sufficient. You only have to switch **corpuls simulation** on – the device takes care of all further configurations for WLAN and Bluetooth itself after a one-off setup.



12.9" iPad Pro as Touchscreen



Onboard WLAN access point and Bluetooth gateway



- User interface for:
- **corpuls3** Classic
  - **corpuls3** TOUCH
  - **corpuls1**
  - **corpuls aed**



- Extensive accessories:
- Reusable simulation electrodes
  - True-to-original sensors and cuffs
  - and much more



USB multi-charger



True-to-original bags from the **corpuls3** for accessories



**corpuls simulation** transport bag



Instructor iPad according to kit configuration



## THE FACTS

- All the functions of the original device
- Realistic parameters and curves
- Status changes through events
- Scenario editor
- Simulation consumables
- Original accessories
- The latest device software for the respective medical products
- Multiple languages available
- Safe training
- **corpuls simulation** community
- Bluetooth connection to **corpuls cpr**

## Up to date

Every new device software version brings changes. In order to best prepare lifesavers for these changes, new **corpuls** defibrillator software versions are also available for **corpuls simulation**. So your team will already be familiar with the new software before it is installed on your real **corpuls** defibrillator.

► Via the intuitive interface, current scenarios can be modified at any time



**MISSION READY  
ALWAYS AND EVERYWHERE**

Thanks to the built-in power supply, a mission scenario outside of the training room is no problem.

**corpuls simulation** has everything that is required for training under real conditions directly on board.

**SIMULATION  
WITH ALL THE DETAILS**

In the accessory bag of the **corpuls simulation** hard case there is space for the reusable **corPatch simulation** training electrodes. The sensors are modelled exactly on the original **corpuls** defibrillator equipment. The alarm signals are exactly the same as the real **corpuls** defibrillators.

**BUILT TOUGH**

**corpuls simulation** is optimally protected and stored in the custom-made PAX transport bag that is included in the set.





Pat. male 78 years  
↳ known arterial hypertension  
↳ STEMI in 2017

Ⓐ - free  
Ⓑ - no respiration  
Ⓒ - pale cold skin  
- no puls detectable



### ECONOMICAL

Training as with a high-end simulation manikin – but for a fraction of the price.

#### Display of:

- Different ECG rhythms
- Perfusion-dependent SpO<sub>2</sub> curve
- NIBP parameters or IBP with curve
- etCO<sub>2</sub> parameters and waveforms
- CPR Feedback display

### MORE THAN JUST AN AUDIENCE

Other attendees can actively participate in the action. All that is required are iPhones connected to the **corpuls simulation** WLAN.

### ALL PATIENT CLASSES

Using the **corpuls simulation** scenarios, completely safe training is possible for all patient classes – including, with the appropriate training manikins, neonates in the incubator, obese patients and pregnant women.

### FULL CONTROL

The trainer can use the Instructor iPad to change the scenario at any time and thus adapt the stress level to the knowledge level of the team. Frustration if the level of difficulty is too high or lack of focus if it is too low are avoided and the learning effect for the training participants can be maximised.



## FOUR IN ONE

All the **corpuls** defibrillators in one simulation system

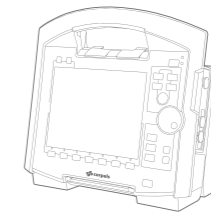
With **corpuls simulation** you can simulate all four **corpuls** defibrillators in one system using the same hardware.



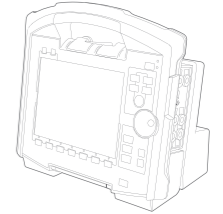
**corpuls aed**



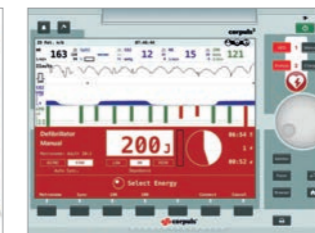
**corpuls<sup>1</sup>**



**corpuls<sup>3</sup>**



**CBT**



## corpuls **simulation** COMMUNITY

### NETWORK WITH INSTRUCTORS FROM ALL OVER THE WORLD

Knowledge is the only resource that increases when you share it – the basic principle of the **corpuls simulation** community. It is precisely for this reason that we place so much value on networking and offering space to exchange ideas.

- Share **simulation scenarios**
- **Exchange** experiences
- **Designing training concepts** together
- **Manage devices** and licenses



► Share your training and experiences in the **corpuls simulation** community

## SYNCHRONISED THERAPY\*

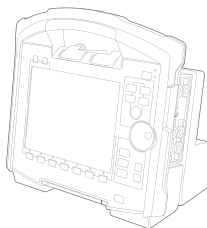
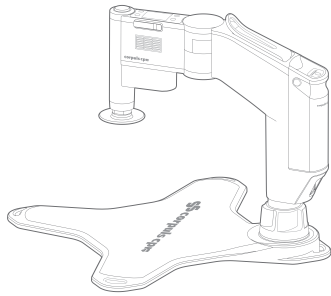
Training not only means using existing knowledge, but also learning new techniques – such as compression synchronised therapy with the **corpuls3** and **corpuls cpr**.

Thanks to the **corpuls simulation** Bluetooth connection, the **corpuls cpr** actually becomes the fourth module of the simulated **corpuls3** or **corpuls3T**. Therefore, all the device advantages and use scenarios can be trained and learned for use in the field.

You can find more information on compression synchronised therapy in the **corpuls3T** system brochure.

\* Using the combination of **corpuls simulation** and **corpuls cpr** only on training manikins





For over 35 years, **corpuls®** has developed and produced innovative high-end equipment for emergency and intensive care medicine. Today, in our headquarters in Kaufering, over 300 hearts each beat around 35,000 times every work day while aspiring to meet the high standards of rescue workers from over 75 countries around the world.

**corpuls** defibrillators, patient monitoring systems and chest compression devices have set the standard since day one in the realisation of the most advanced insights in medical science, as well as in terms of innovation and ergonomics. Thus guaranteeing reliable and trusted aid in the fight for human lives.



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