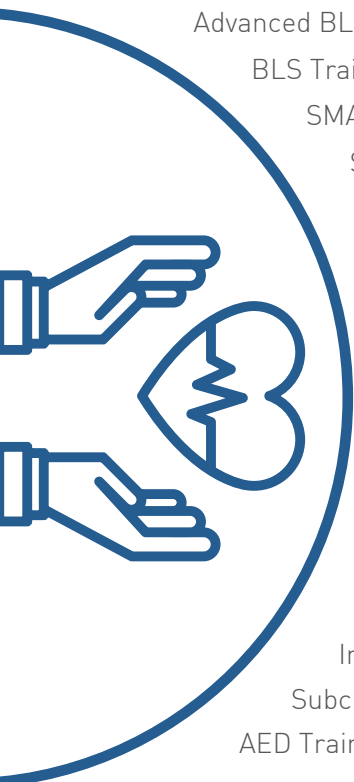




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**BEST**  
**TECHNOLOGY**  
**BETTER**  
**TOMORROW** **BT**



Advanced BLS Simulator

BLS Training Simulator

SMART CPR Training Model (Sherpa X)

Self-Training CPR Model (Sherpa Plus)

Airway Management Simulator

Blood Pressure Assessment Simulator

Intramuscular Injection Simulator

Intravenous Injection Training Arm-Adult

Intravenous Injection Training Arm-Infants

Female Catheterization Simulator

Male Catheterization Simulator

Enema Administration Simulator

Tube Feeding & Tracheostomy care  
& Suction Training Model

Intradermal Injection Trainer

Subcutaneous Injection Trainer

AED Trainer

**CPEA+** \_04

**CPTA+** \_08

**SEEM2** \_10

**SEEM1** \_12

**CSIE** \_14

**CEAB2** \_16

**CSIM1** \_18

**CSIV** \_20

**CSIV-I** \_20

**CSCF** \_22

**CSCM** \_22

**CSEN** \_24

**CSIS** \_25

**CSID** \_26

**CSIC** \_27

**ST** \_28

BEST  
TECHNOLOGY  
TOMORROW



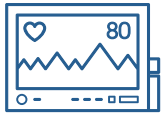
## Key Features



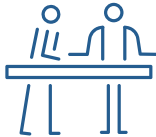
### Evaluation Reports

Review training performance through result page and use the data for debriefing. These features allow students to self-evaluate and identify their performance and also work on possible improvements. They can easily save and/or print their results as well as search for previous results.

### Easy to Use




Products equipped with cutting-edge IT technologies offers a convenient Bluetooth connection. Easy to install and operate.



### Interactive Feedback & Self Practice

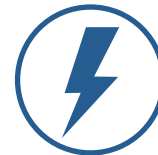
Providing real-time feedback to help students identify their own problems. Self-practice by using the interactive feedback function.



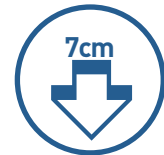
A firefighter in an orange uniform is kneeling and using a blue manual resuscitator on a training simulator lying on a gurney. Another person in an orange uniform is visible in the foreground, looking at the training. The setting appears to be the interior of an ambulance, with medical equipment and a yellow defibrillator visible in the background.

# Advance BLS Simulator (BT-CPEA+)

Advanced CPR and real defibrillation training with direct feedback and evaluation report.



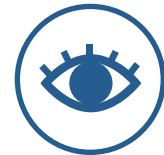
Electric Shock  
(Defibrillator/AED)



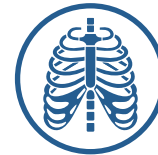
Over Compression



Bluetooth Connection



Pupil



Anatomical Ribs



Automatic Chest Rising



Pulse

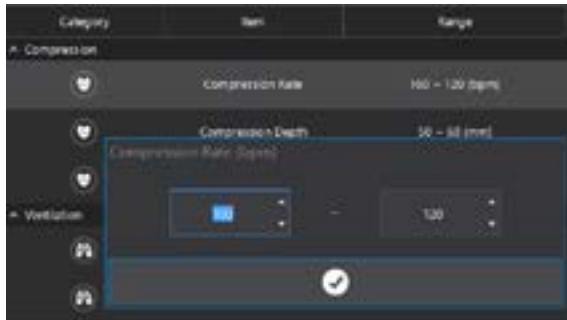


Metronome

- Training and evaluating chest compression and artificial ventilation required for standard adult CPR.
- Checking patient's responsiveness, pulse, and airway opening.
- Pupillary reaction and pulse are implemented automatically.
- Spontaneous breathing is implemented automatically.
- The depth and position of chest compression are displayed in real time.
- The ventilation flow rate is expressed numerically and ventilation volume is displayed as a figure and graph.



## • EDITABLE GUIDELINES



Each guideline can be customized easily.

## • VARIOUS SCENARIOS



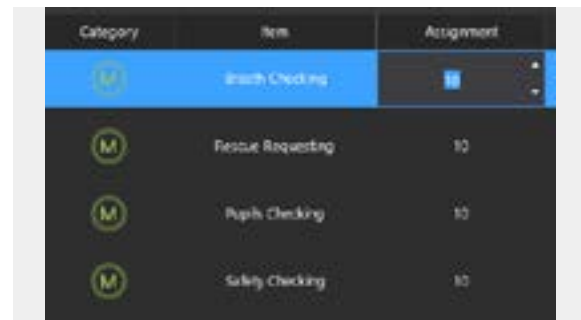
A diversity of scenarios can be set to prepare students for different incidents.

## • EVALUATION SCORING - Automatic



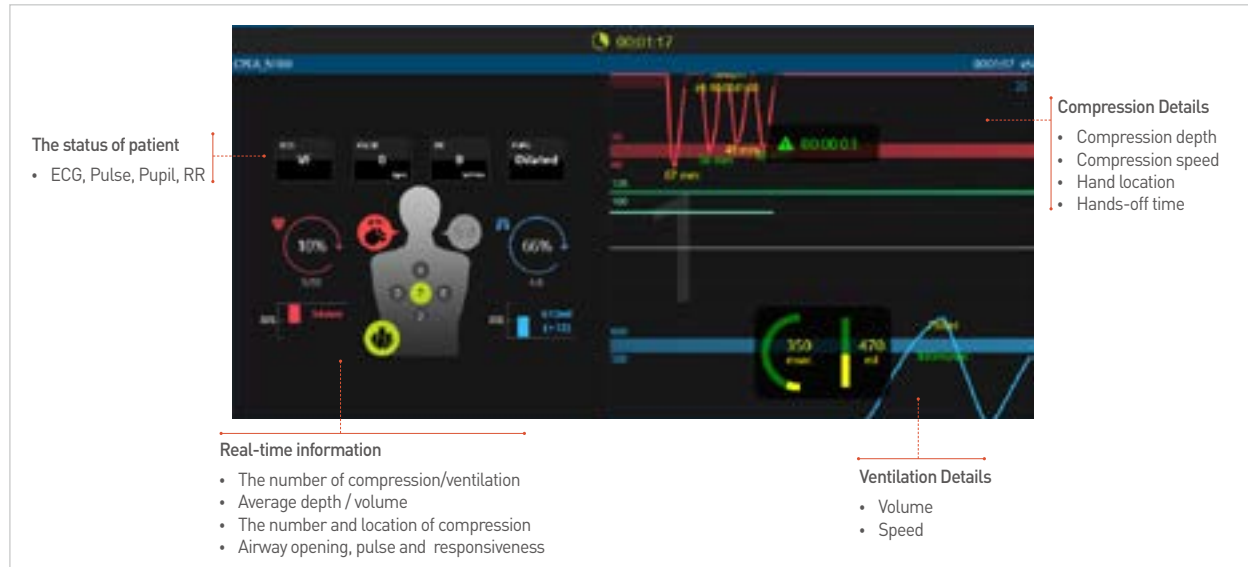
Automatic evaluation lists can be detected by sensors and give informations about chest compression and ventilation.

## • EVALUATION SCORING - Manual

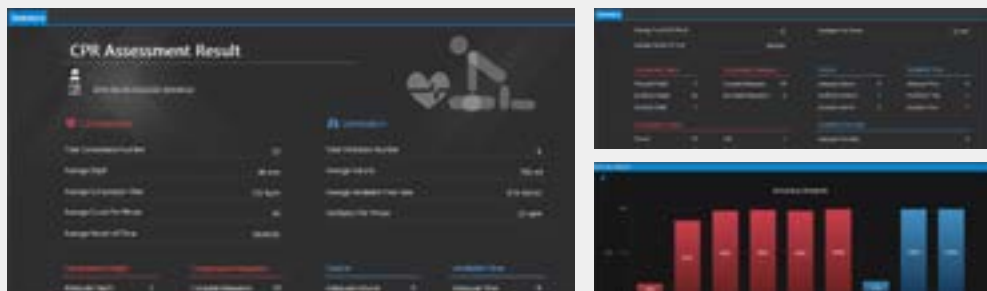


Procedures of CPR can be trained and evaluated without detection of the sensors.


## • DISPLAY



## • EVALUATION REPORTS



Result file can be saved and printed out with detailed information regarding chest compression and ventilation. The result file also can be exported to Excel format.



# BLS Training Simulator (BT-CPTA+)

Basic Life Support training with feedback in real time.

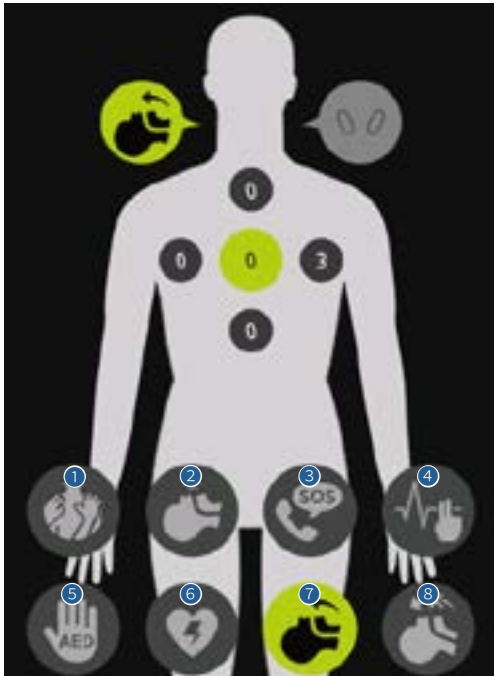
- Operating with a Tablet
- 1:1 Bluetooth connection
- Magnetic Sticker for AED Pads
- Metronome for CPR



## • PROCEDURE CHECKLIST

### REAL-TIME INFORMATION

1. Airway opening
2. Palpating pulse
3. The number and the location of chest compression



### CHECKLISTS

- ① Responsiveness
- ② Respiration
- ③ SOS call
- ④ Pulses
- ⑤ AED
- ⑥ Electric shock
- ⑦ Airway opening
- ⑧ Hyperextension

## • DISPLAY



Compression depth, speed and location will be shown in detail. Volume and speed of ventilation will be shown as well.

## • EVALUATION REPORT



Evaluation report for overall training can be used later to improve skills or for reference.



# SHERPA X SMART CPR Training Model (BT-SEEM2)

CPR training with accurate feedback in real-time



Over Compression



Incomplete recoil



Ventilation



Feedback  
-Device&Manikin



Various Results



AED Training

• GAME MODE



Self-motivated, fun training with game mode and ranking function at result.

• MULTI-CONNECTION



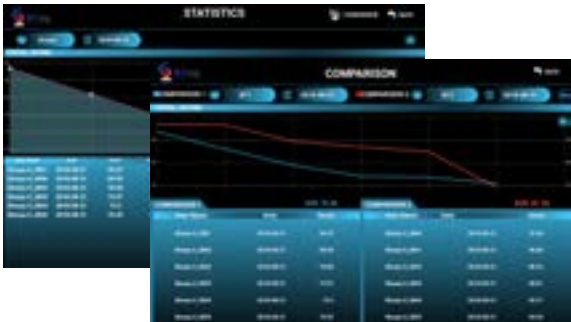
Connect up to 6 manikins at the same time, Great for group training.

• EVALUATION RESULTS



The problems and improvements of CPR performance is objectively evaluated with various result mode.

• STATISTICS / COMPARISON



Numerous training data can be checked with statistics and compare group records to see how CPR performance improves.



# SHERPA PLUS Self Training CPR Model (BT-SEEM1)

Realistic & advanced CPR training with real time feedback.



Over Compression



Incomplete recoil



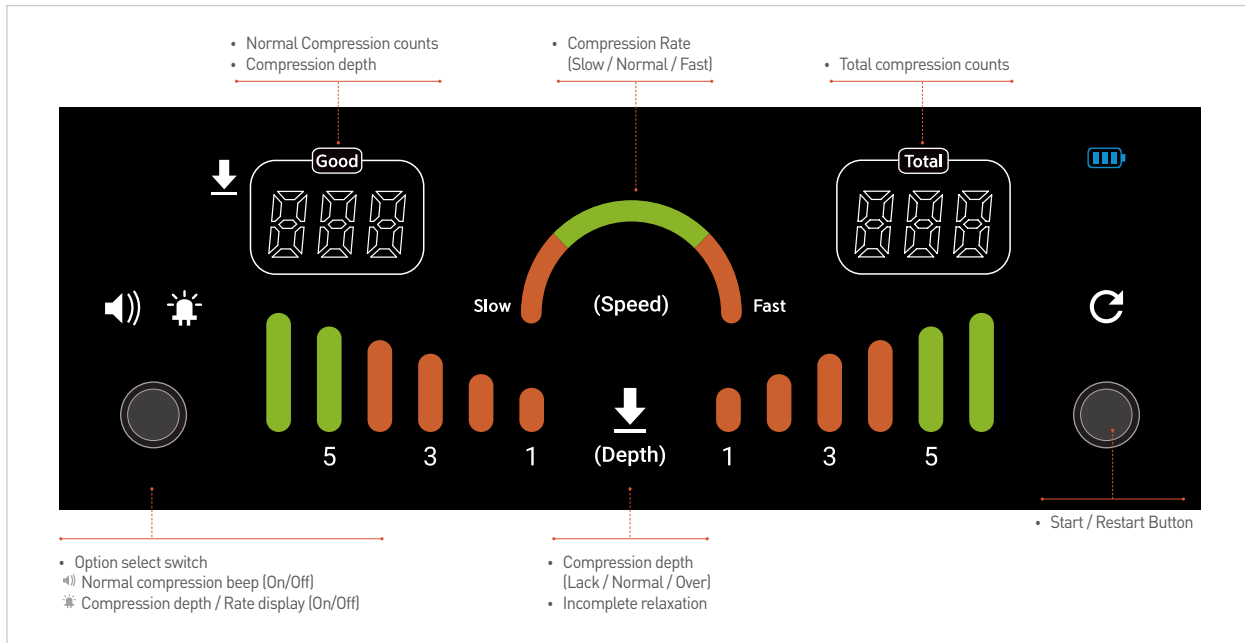
Airway Opening



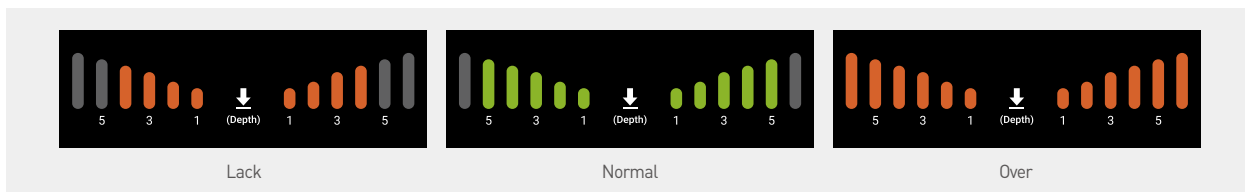
AED Training



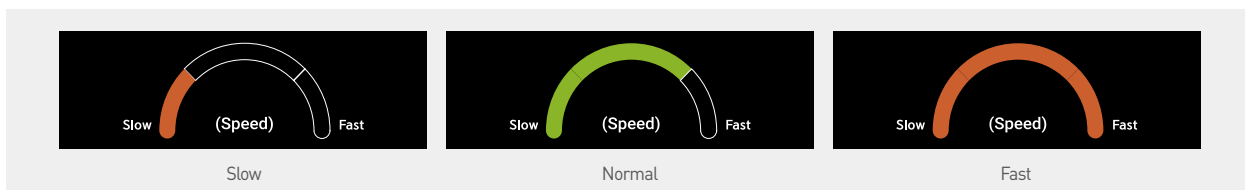
## • DISPLAY



## • COMPRESSION DEPTH



## • COMPRESSION RATE



# Airway Management Simulator (BT-CSIE)

The airway evaluation simulator with a feedback system.



Head Tilt



Tube Positioning



Jaw Thrust Maneuver



Lift Epiglottis



Sniffing Position



Chest Rising



Force on Incisor



Gastric Inflation

## • DISPLAY



## • EVALUATION SETTING



- **Guideline :**  
Evaluation items regarding ventilation can be revised.
- **Automated recognized items :**  
Can be added or excluded
- **Manual check items :**  
Can be added or excluded

## • EVALUATION REPORT



Evaluation report for overall training can be used later to improve skills or for reference.

# Blood Pressure Assessment Simulator (BT-CEAB2)

The blood pressure assessment simulator with a feedback system.



Pulse Sites



Radial



Brachial



Korotkoff Sounds



Brachial



Speaker



Battery



## • DISPLAY



## • SETTINGS



Users can create their own patient case by scrolling the bar (Systolic, Diastolic BP/Auscultatory gap) with their finger.

## • EVALUATION REPORT



Evaluation report for overall training can be used later to improve skills or for reference.

# Intramuscular Injection Simulator (BT-CSIM1)

The intramuscular injection simulator with a feedback system.



Ventro/Dorso



Anatomical Skeleton



Fluid Injection



Positioning Holder

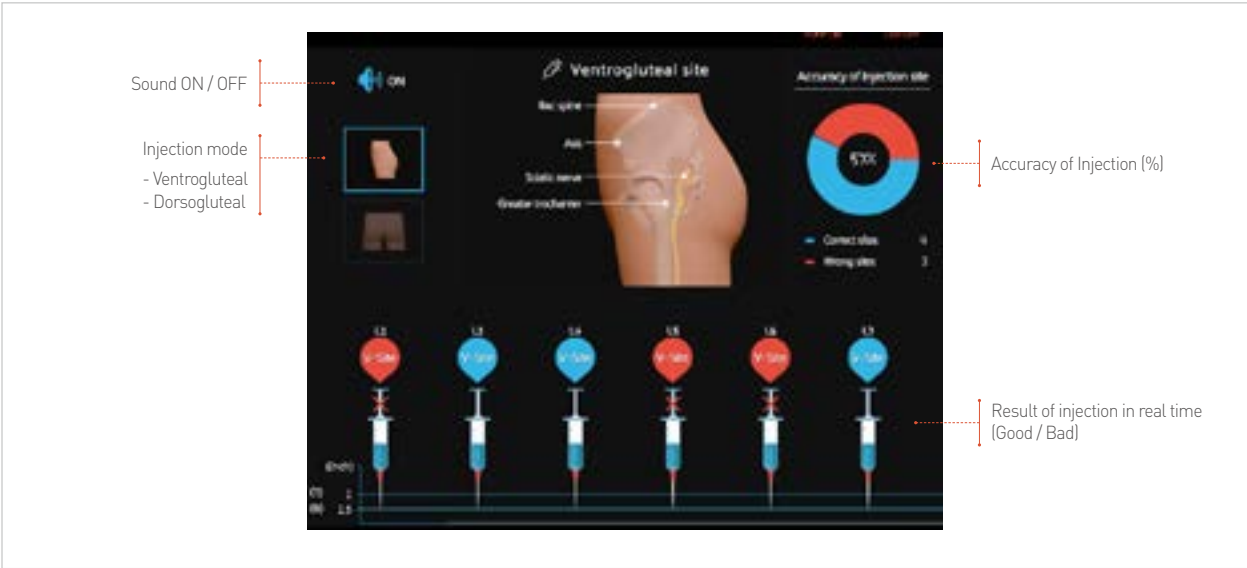


LED Guide

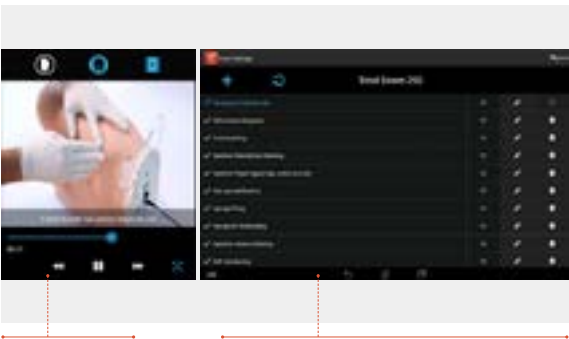


Self-changeable Skin

• DISPLAY



• ADDITIONAL FUNCTION



• EVALUATION REPORT



Evaluation report for overall training can be used later to improve skills or for reference.





# Intravenous Injection Training Arm (BT-CSIV / CSIV-I)

Advanced IV injection Trainer with a motor system.





Motor



Flashback



Easy Cleaning



Battery



Easy Installation



Skin & Vein All-in-one pad



Life-like resistance feeling



3 layers  
(Epidermis, Vein,  
Subcutaneous fat)



Durable Skin

- Resistance feeling on the skin, venous wall and the circulation speed of motor is similar to human.
- Skin pad is composed of epidermis, subcutaneous fat and vein.
- Easy to set up the model and replace the skin pad.
- Easy to clean and maintain due to the motor system.



Adult - dorsal



Adult - Fist



Infants



# Female / Male Catheterization Simulator (BT-CSCF / CSCM)

The airway evaluation simulator with a feedback system.

- Realistic resistance during insertion of urinary catheter.
- When a catheter enters the bladder, artificial urine will come out.
- External genitalia is separable from the buttocks; Easy to maintain.
- Indwelling Catheterization and Intermittent Catheterization.
- A non-return valve prevents leakage.
- Practice with various size(Fr) of catheter



Using real Jelly



Separable External genitalia  
Easy to maintain

## Male Catheterization Simulator



- Attachable foreskin



With foreskin



Without foreskin

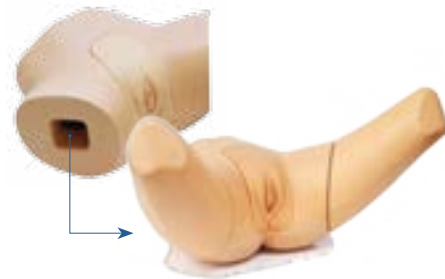
## Female Catheterization Simulator



- Dorsal Recumbent Position; General position for a catheterization.
- Warning sound when a catheter inserted into vagina.
- Detachable extension legs



Warning Sound



Attachable extension legs



# Enema Administration Simulator (BT-CSEN)

### Lifelike buttocks model

- Realistic resistance during an insertion of a rectal tube
- Realistic position with patient in clinical situation (Sim's position / Knee-chest position)
- Positioning with a stand
- Practice with various size(Fr) of catheter

### Training Skills

- Artificial Feces (Insertion / Removal)
- Glycerin Enema

### Prevent leakage

- Non-return valve



Using real Glycerin & Jelly



Enema training



Artificial feces



# Tube Feeding & Tracheostomy care & Suction Training Model (BT-CSIS)

## General Features

- Anatomically correct structures for tube feeding, tracheostomy care and suction training

## Tube Feeding

- Oral/Nasal feeding tube insertion
- Checking tube placement by auscultation.
- Checking tube placement through transparent window
- Practicing with a real liquid food
- Positioning with a stand by adjusting the angle [0°, 21~45°, 90°]
- PEG care



Tube feeding



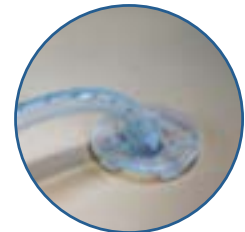
Tracheostomy care



Suction



Gastrostomy tube care



PEG care



- The resistance and feeling during injection is similar to human
- Practice diagnostic examination / Antibiotic skin test / PPD test
- Realistic training by mounting on standardized patient
- Mountable product; Easy to install and remove



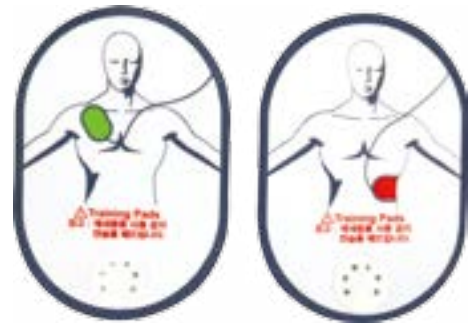


## Subcutaneous Injection Trainer (BT-CSIC)

- Thickness of skin, the resistance and feeling during injection is similar to human
- Practice subcutaneous injection, preventive vaccination
- Realistic training by mounting on standardized patient
- Mountable product; Easy to install



# AED Trainer



- Assure the safety during the usage since it doesn't use the real voltage.
- Blinking LED function on the pads can increase the effect of education.
- Scenarios can be changed to the customer by using the customized scenario function.
- 3 customized scenarios can be made through the PC software when connected to the serial port.



Safe- No high voltage



Various Scenarios



3 Customized scenarios



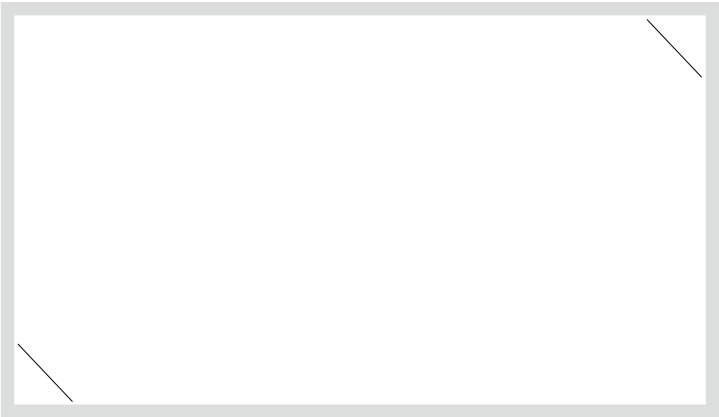
Remote Control



LED Lights



BUSINESS CARD





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and instructional video clips on our website.

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BT brings the **Best Technology** to all over the world  
to create a **Better Tomorrow**.





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TO BE A LEADING COMPANY TO RESPECT HUMAN LIFE  
AND IMPROVE THE QUALITY OF LIFE.



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