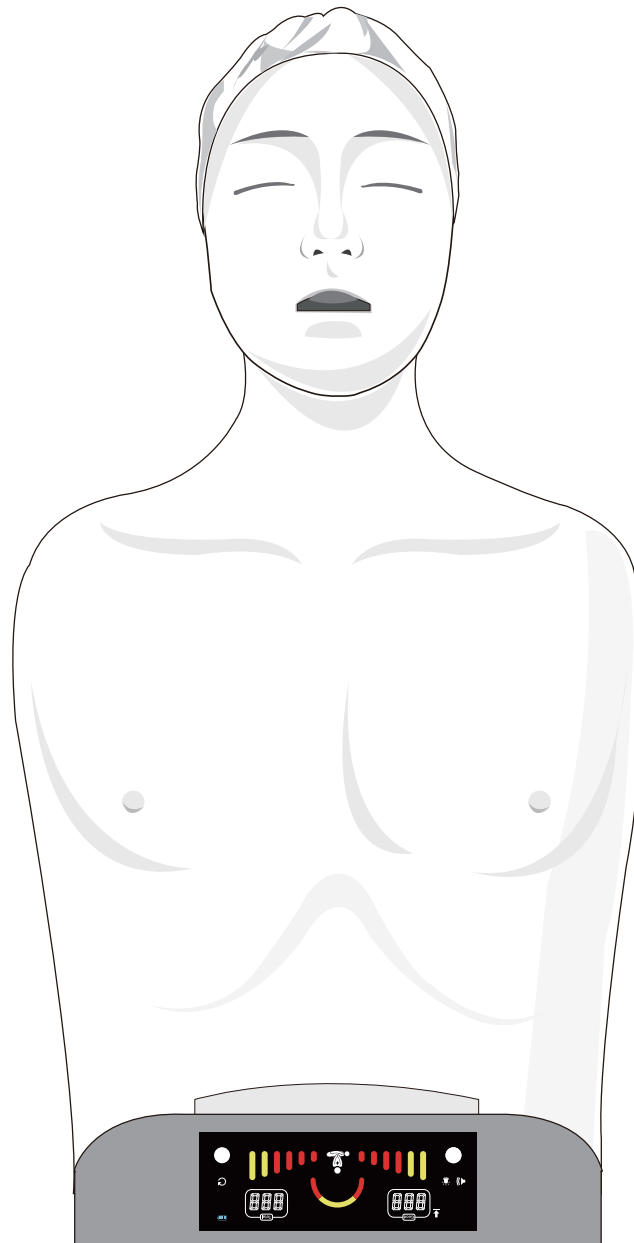



BT-SEEM-P

# CPR Training Model

## USER GUIDE



## Product Information

Product Name	CPR Training Model
Model Name	BT-SEEM-P
Manufacturer	BT Inc.
Country of Origin	Republic of Korea
Certification	

(Contains FCC ID : S7A-IW05)

## Product Specification

Dimensions	335 X 650 X 215mm
Weight	4.4 kg
Power Converter	Input AC100-240~, 50/60Hz, 0.4A Output DC 12V, 1.5A
Battery	6EA of LR14 (C, 1.5V)

## Customer Service

Website	<a href="http://www.btinc.co.kr">www.btinc.co.kr</a>
Address	A-313, Samsung Techno-valley, 140, Tongil-ro, Deogyang-Gu, Goyang-Si, Gyeonggi-do, 10594, Republic of Korea
Telephone	+82-2-2038-2903
E-mail	<a href="mailto:bt@btinc.co.kr">bt@btinc.co.kr</a>



## Cautions for battery disposal

- \* Please follow the regulations of corresponding area for the disposal of used batteries.

# Cautions

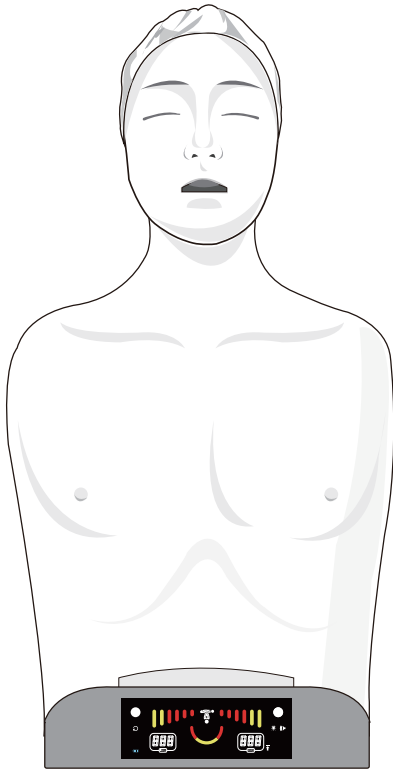
Please read it carefully to ensure correct usage and user's safety through understanding of the product.

- ① Use only components provided or approved by BT Inc.
- ② Do not use the product for other purposes described in this manual.
- ③ If you disassemble or modify the product without any permission by BT Inc, you cannot get the warranty. Also, making imitated or altered products for commercial purposes are prohibited by law.
- ④ During the usage, please contact us after any electricity power off when the product is overheated or smelled something burning
- ⑤ Keep the product away from water or moisture. If the product gets wet, do not turn it on.

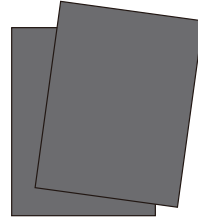


- ⑩ Never clean the product with chemical substances such as solvent, benzene or thinner, as these may Cause ignition or cause the surface deterioration.
- ⑪ BT Inc. can change or adjust the product specification without any notice in order to improve the product.

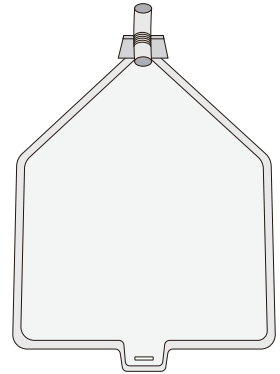
# Components



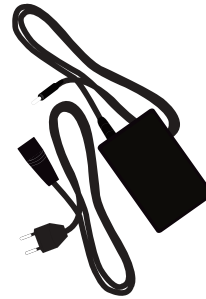
Adult Torso Manikin



Magnetic Sticker  
for AED trainer pads



Lung Bag



Power Adapter



Face Skin

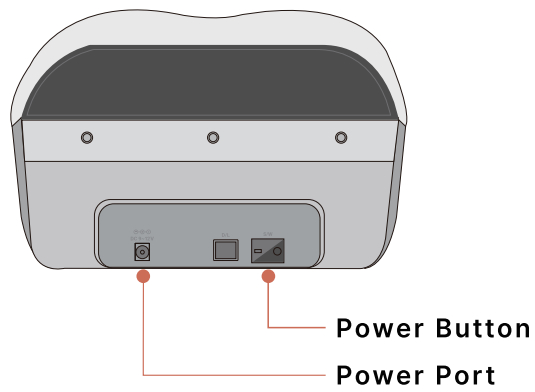
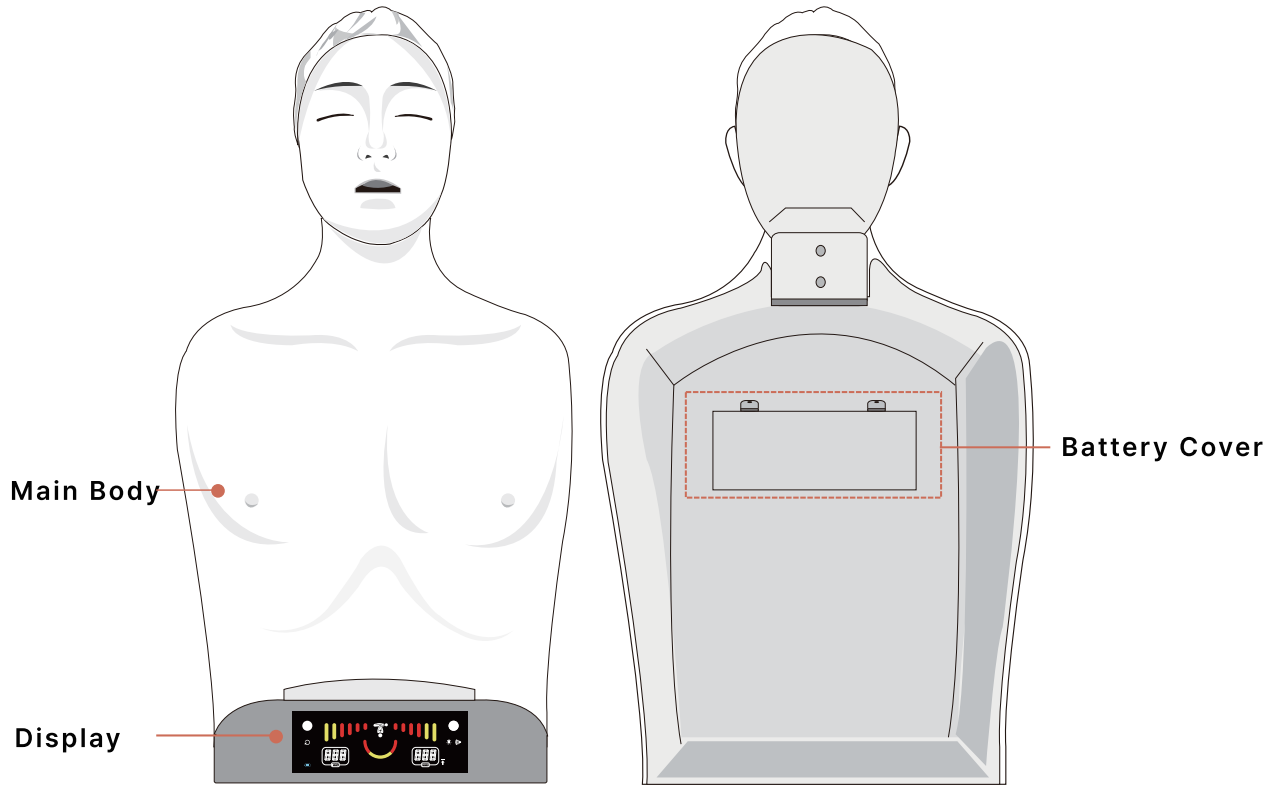
\* etc. - Storage bag, USB Cable(Power bank connector)

## Consumables

- Magnetic Sticker for AED trainer pads
- Skins(Face, Body)
- Lung Bag

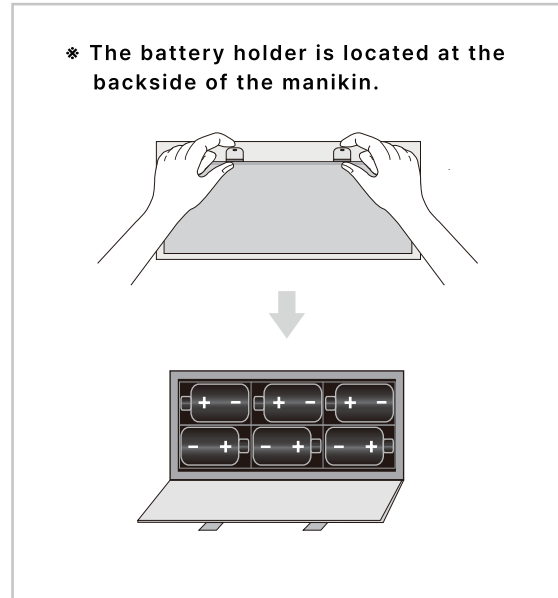
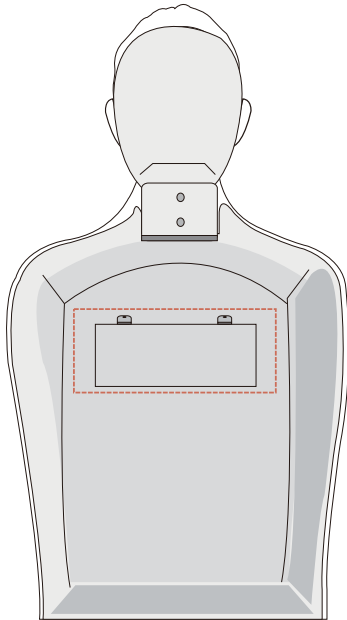
- Lifetime of the consumables may differ depending on the skill level of the users.

# Features



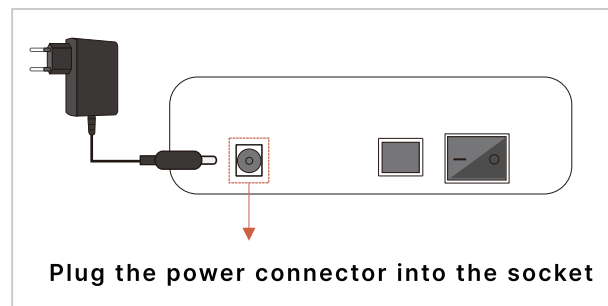
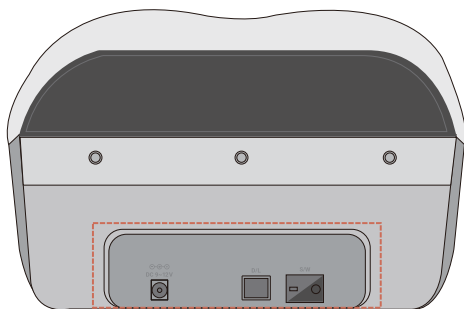
# Power connections

## (1) Battery power supply



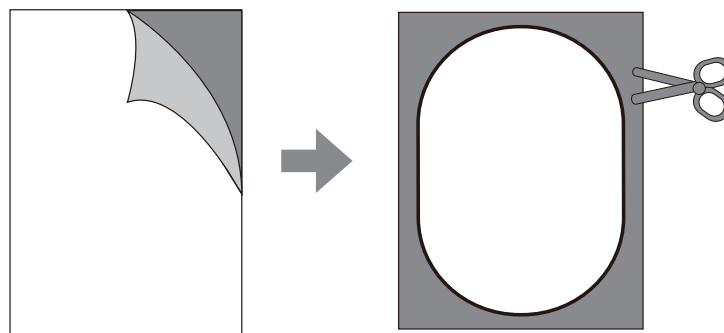
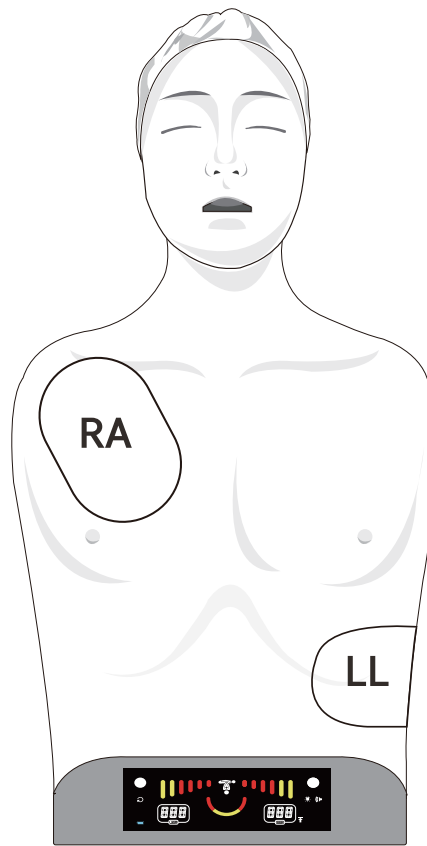
- ① Open the battery cover at the backside of the manikin by pressing the stoppers with both index fingers.
- ② Insert 6 batteries into the battery holder with correct polarities.
- ③ Use LR14(C-type, 1.5V) standard batteries only.

## (2) External AC power supply



- Use only the power converter supplied by manufacturer.
- In case of using a power bank, please use an included USB cable.
- Some models of power banks may not be compatible with product.

## Use the magnetic papers

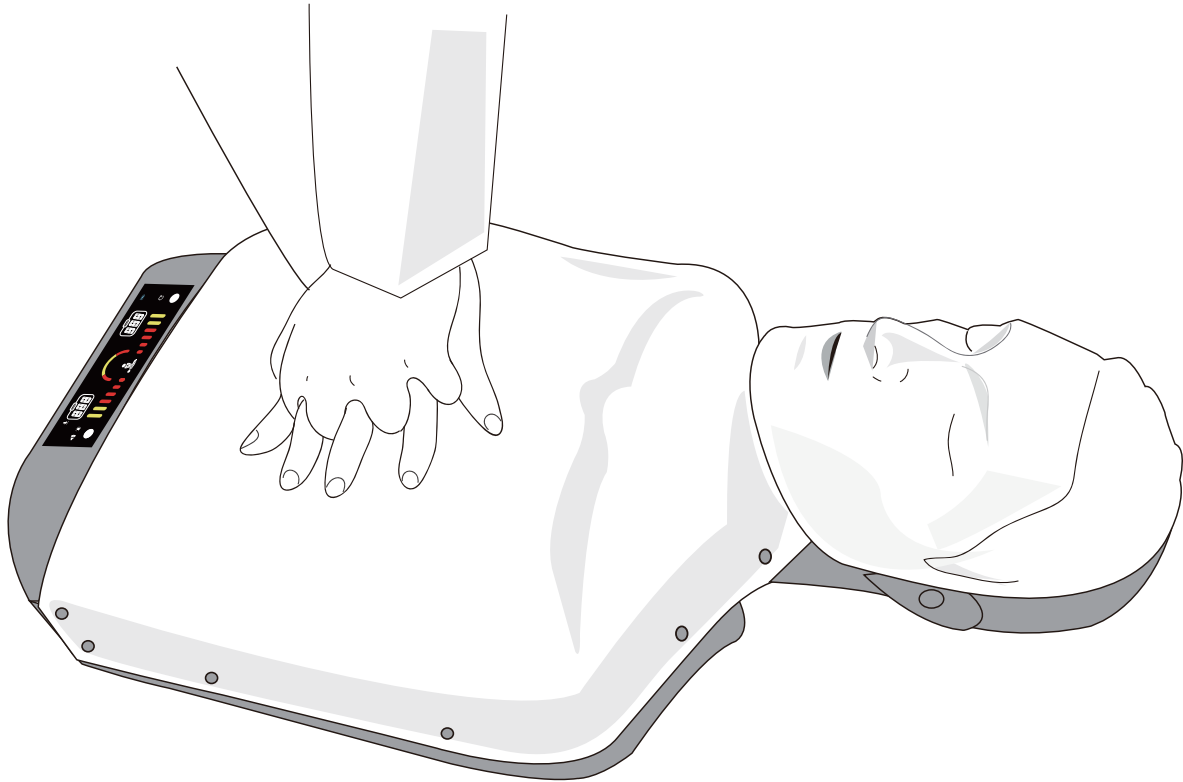


- ① Prepare the AED trainer.
- ② Remove the release liner from the provided magnetic stickers.
- ③ Put magnetic stickers on AED trainer's pads.
- ④ Cut the outer edge of magnetic stickers
- ⑤ AED trainer's pad will be attached to the manikin due to embedded magnets inside of the manikin.

- Adhesion may vary depending on the condition and location of pads.

# Functions

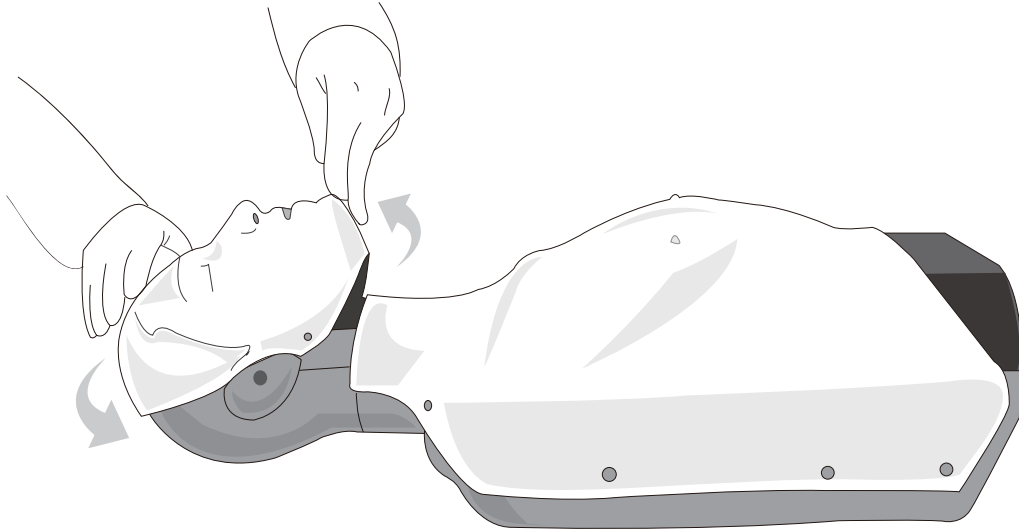
## (1) Chest compression



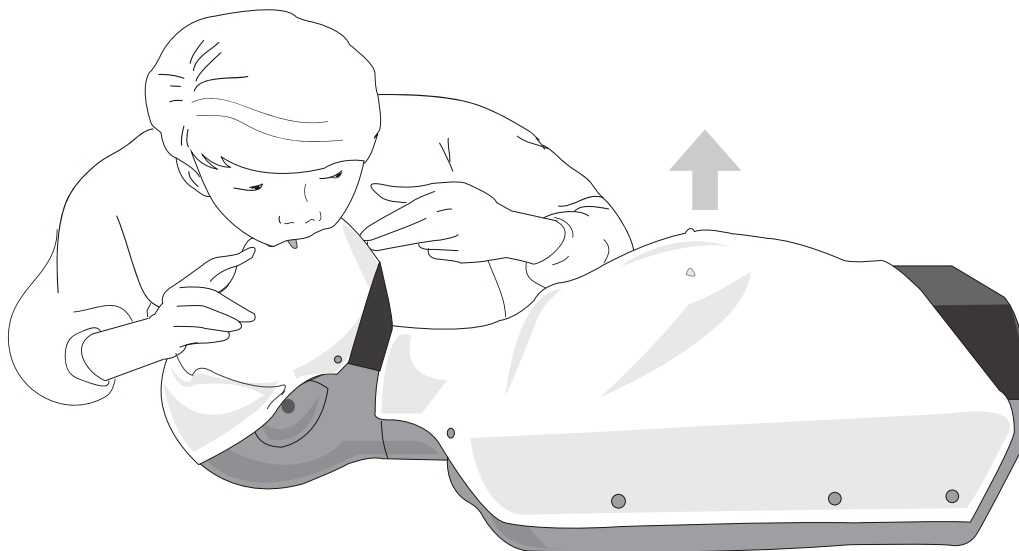
- ① Connect the power adaptor or insert fully charged batteries, then press and release the power button.
- ② When the display is on, select the display option and start the chest compression.
- ③ Compression depth, compression rate, total compression counts and correct compression counts are displayed on the LED panel.



## (2) Opening airway

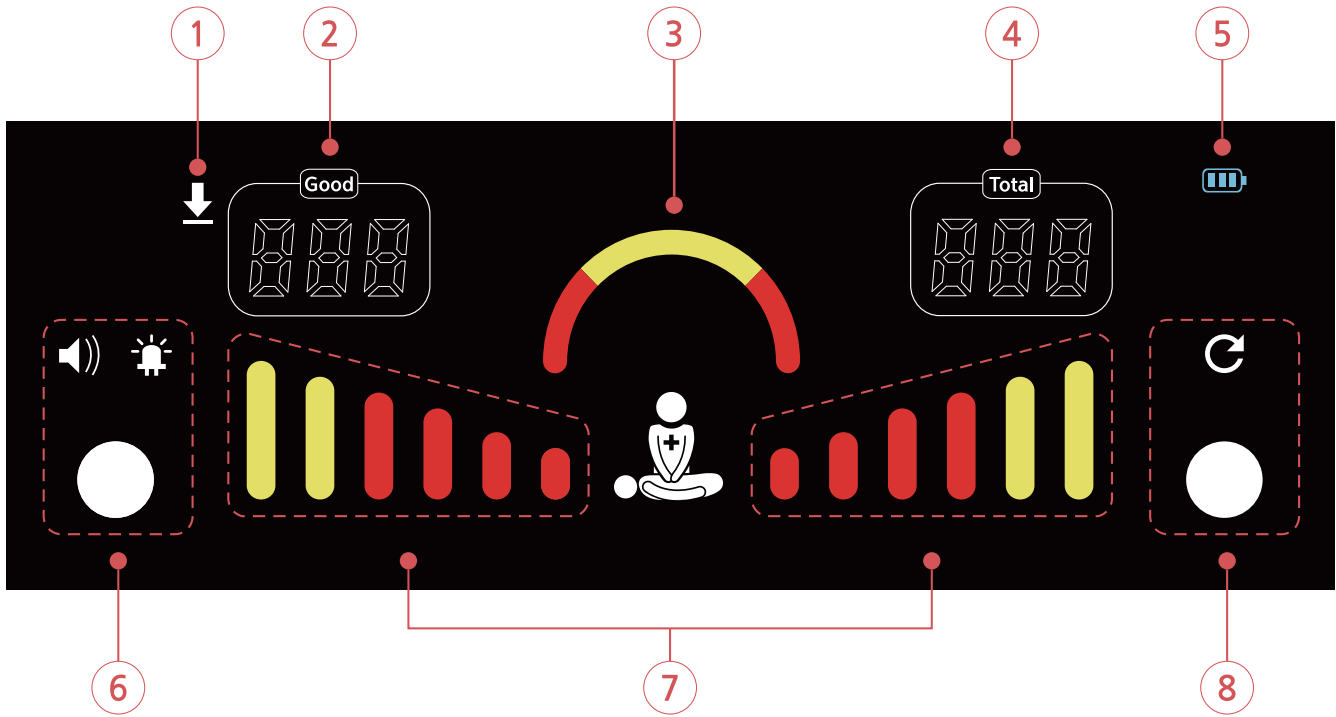


## (3) Ventilation



- ① Tilt the head back to open the airway.
- ② Pinch the nose of the manikin and conduct mouth to mouth resuscitation.  
(Pay attention to the chest rising.)
- ③ Ventilation number, expiratory time, the number of correct ventilation and total ventilation are displayed on the LED panel.

#### (4) Layout of LED panel




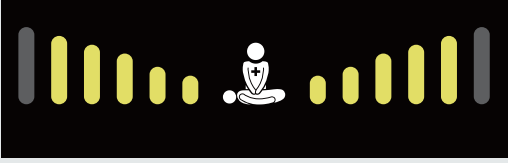
- ① LED Displaying Chest Compression ON / LED Displaying Ventilation OFF
- ② Number of Good chest compression / Hand location / Compression depth / Number of Good ventilation / Ventilation volume / Hand location in real-time, Compression depth, Displaying the number of good compression after training Ventilation volume in real-time, Displaying the number of ventilation after training  
When there is no input, the number of good compression and the number of ventilation is being displayed repeatedly
- ③ Displaying Compression rate / Expiratory time during ventilation in 3 stages
- ④ Total compression number / Ventilation number
- ⑤ Battery status
- ⑥ Option button in 4 stages (repeated)

Sortation	Stage 1	Stage 2	Stage 3	Stage 4
Sound	ON	OFF	OFF	ON
LED	ON	OFF	ON	OFF

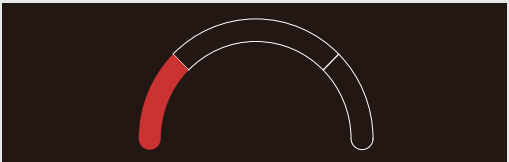
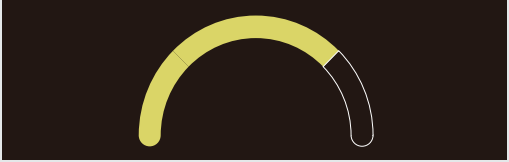

- ⑦ Compression Depth / Incomplete recoil / Volume of ventilation
- ⑧ Reset button

- Battery saver mode will be automatically turned on and the LED panel will stop displaying when chest compressions are not detected for 60 minutes. Press the ⑥ or ⑧ button to begin again.

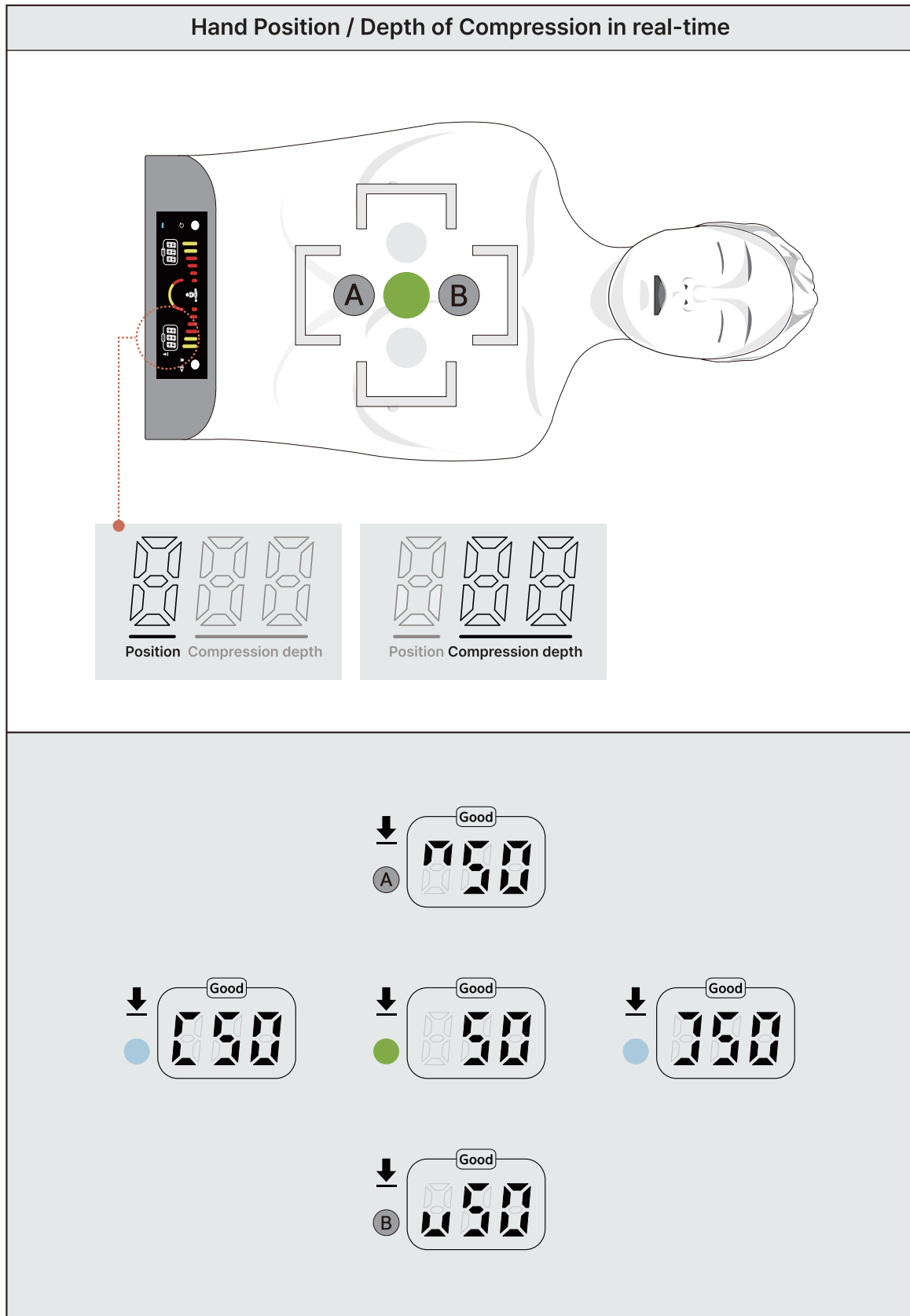
(5) Compression Depth / Ventilation volume

LED	Compression Depth	Ventilation Volume
	Insufficient	Insufficient
	Correct	Correct
	Over-compression	Excessive

(6) Compression Rate / Expiratory Time

LED	Compression Depth	Expiratory Time
	Slow	Slow
	Correct	Correct
	Fast	Fast

(7) Display layout



# Cleaning and Storage

## (1) How to clean and sanitize CPR manikin

- For mouth-to-mouth ventilation, it is recommended to use a bag-valve mask (BVM), pocket mask, or face shield to maintain hygienic conditions.
- The airway parts consist of the face skin, check valve, and the lung bag.
- If there is a risk of infection during ventilation training, it is recommended to clean the face skin by following the guideline and to use the check valve module and lung bag for single use only.
- Face shield : Clean with the 70~83% ethanol or a mild detergent. Ensure it is thoroughly cleaned and dried before use.70%~83% Ethanol
- Clean and disinfect the plastic parts where air flows back from the lung bag to outside through the check valve module, using alcohol swabs or a soft cloth soaked in ethanol.
- Clean the skin and plastic parts excluding the airway parts by following the guideline at below.
  - ① Wipe off stains using a moist cloth.
  - ② For additional cleaning, apply a recommended amount of solvent to a cloth or use alcohol swabs and wipe the manikin.
  - ③ Dry the surface with a clean, dry cloth.

### Recommended solvents

- 70~83% Ethanol
- 70% Isopropyl Alcohol
  - Isopropyl alcohol is NOT recommended for plastic parts.

## (2) When using a BVM or Pocket Mask

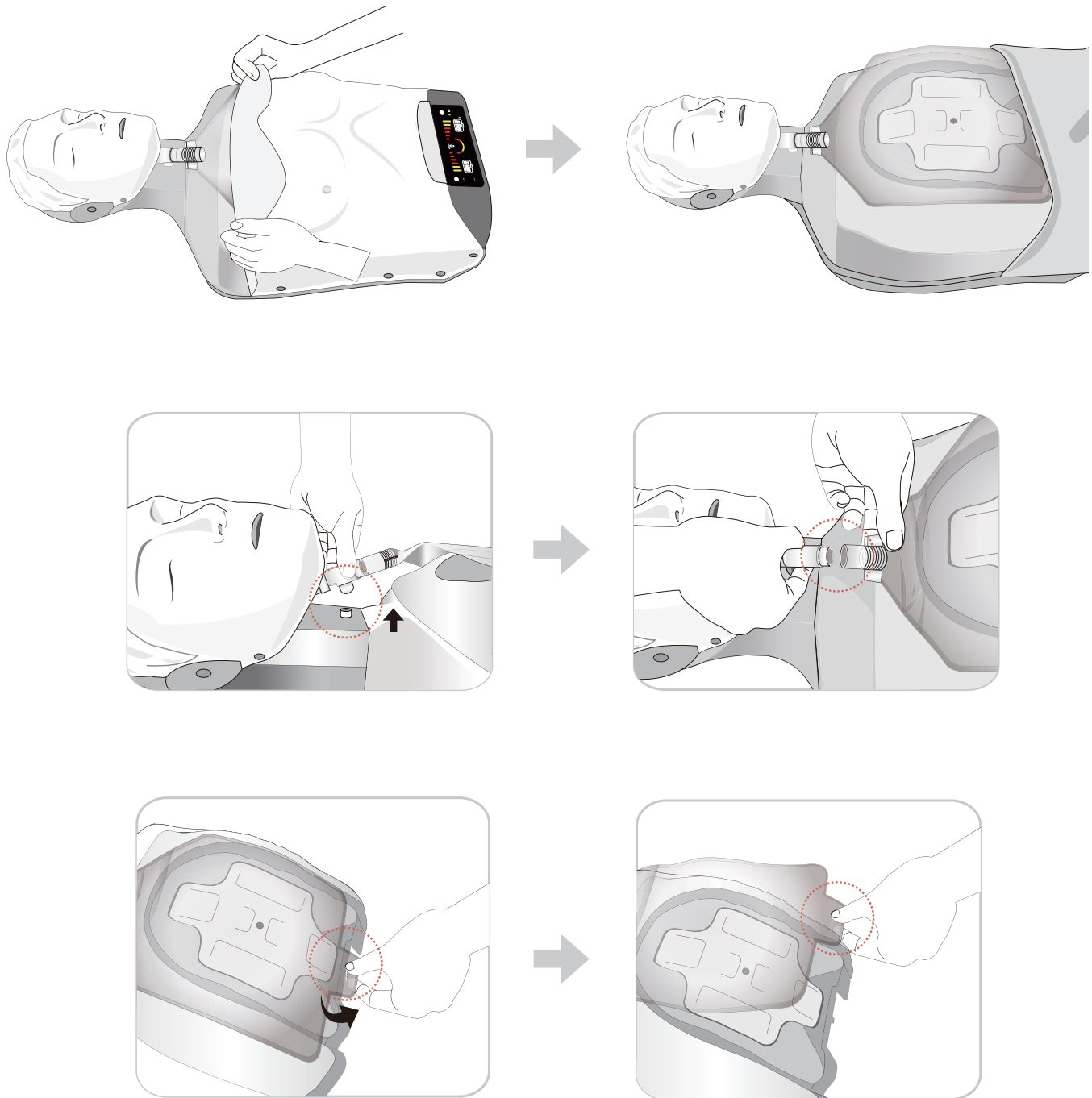
- When using a BVM, it is recommended to sanitize or replace the airway parts once a month.
- When using a pocket mask equipped with a one-way valve, it is recommended to sanitize or replace the airway parts once a week.
- Face shield : Clean with the 70~83% ethanol or a mild detergent. Ensure it is thoroughly cleaned and dried before use.
- Check Valve Module : Clean the inside with the 70~83% ethanol or a mild detergent, dry thoroughly, and ensure the valve is functioning properly before reuse.
- The lung bag is consumable. Replace it based on the moisture inside or storage conditions.

## (3) When using a Face shield

- If there is a risk of infection while using a face shield, it is recommended to use the check valve module and lung bag for single use only.
- Face shield : Clean with the 70~83% ethanol or a mild detergent. Ensure it is thoroughly cleaned and dried before use.
- Check valve module is disposable. Please replace it after a single-use or clean, dry and reuse it by following the guideline at below after a use.
- Check Valve Module : Clean the inside with the 70~83% ethanol or a mild detergent, dry thoroughly, and ensure the valve is functioning properly before reuse.
- Lung bag is disposable. Replace it depending on the moisture or storage conditions.

\* Cleaning and replacement cycles may vary depending on the usage environment.

## Change the lung airbag



- ① Separate the chest skin from the manikin up to the abdomen.
- ② Disconnect the connector of the lung bag connected to the face of the manikin to disconnect it.
- ③ Unhook the lower part of lung bag from the chest plate of manikin, take the lung out.

- When connecting the lung bag, install it in reverse order.

BT-SEEM-P

# CPR Training Model

A-313, Samsung Techno-valley, 140, Tongil-ro  
Deogyang-gu, Goyang-si, Gyeonggi-do, 10594, Republic of Korea

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