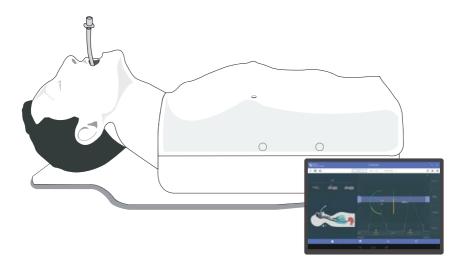
BT-CSIE

Airway Management Simulator

USER'S GUIDE



S/W User Guide





Product Information

Product Name Airway Management Simulator

Model Name BT-CSIE Manufacturer BT Inc.

Country of Origin Republic of Korea

Certification

CE F©

(Contains FCC ID: S7A-IW05)

Product Specification

Dimensions 700 X 300 X 240mm

Weight 8.5kg

Power Converter Input AC100-240~, 50/60Hz, 0.4A Output DC 12V, 1.5A

Battery LR6 - 8개(AA 타입, 1.5V)

Customer Service

Website www.btinc.co.kr

Address A-313, Samsong Techno-valley, 140, Tongil-ro,

Deogyang-Gu, Goyang-Si, Gyeonggi-do, 10594,

Republic of Korea

Telephone +82-2-2038-2903
E-mail bt@btinc.co.kr



Cautions for battery disposal

* Pleases follow the regulations of corresponding area for the disposal of used batteries.

Cautions

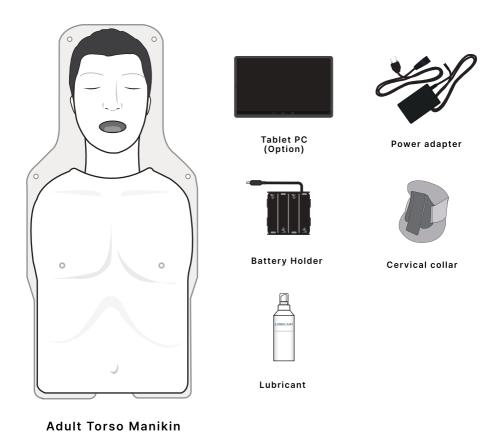
Please read it carefully to ensure correct usage and user's safety through understanding of the product.

① Use only components proviede or approved by BT Inc.

② Do not use the product for other purposes described in this manual.

- 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.
- ② During the usage, please contact us after any electricity power off when the product is overheated or smelled something burning.
- (9) Keep the product away form water or moisture. If the product gets wet, do not turn it on.
- O Do not use the product near strong magnetic fields or high voltage power lines. The product might malfunction due to the electromagnetic waves.
- ② Do not use the product under a weather of lightning. It can cause the product malfunction and increases the risk of electric shock.
- Do not use the product with temperatures below 0°C or above 40°C.
 (Operation temperature: 0°C ~ 40°C, Storage temperature: -10°C ~ 50°C)
- Do not keep the product near hot places such as heaters. Deterioration of product or internal
 damage might occur.
- Never clean the product with chemicla substances such as solvent, benzene or thinner, as these may
 Cause ignition or cause the surface deterioration.
- 1 BT Inc. can change or adjust the product specification without any notice in order to improve the product.

Components



* Etc - Storage case, Skin fixing pin(8ea)

Consumables & Recommended Clinical Supply Sizes

Consumables

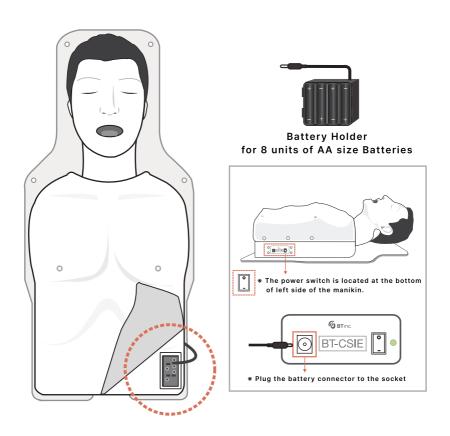
- Skin(face, torso, head
- Lubricant

· Airway for replacement

Recommended Clinical Supply Sizes		
ETT	I.D. 7.0~8.0mm	
I-gel / LMA	#3, #4	
Combi-tube	37Fr	
OPA	88mm(Green)	
NPA	6~7(24~28Fr)	

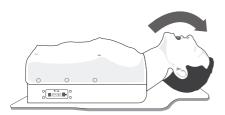
- The following clinical supply sizes are recommended for use with BT-CSIE model.
- Other sizes may cause damage to the products.
- Lifetime of the consumables may differ depending on the skill level of the users.

Insert / Replace Batteries



- ① Take off the skin, and pull out the battery holder which is located at the left side of manikin.
- ② Insert the 8 batteries with correct polarities.
- 3 Plug the battery connector into the socket at the left side of the manikin.

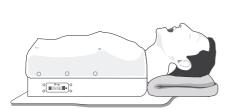
Basic Functions of Manikin



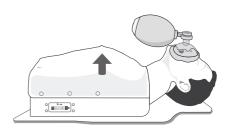
1. Head tilt



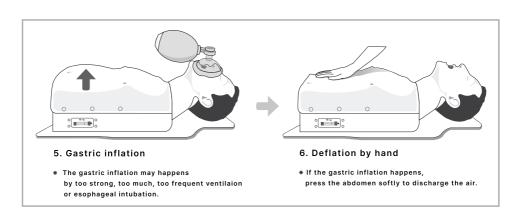
2. Jaw thrust maneuver



3. Sniffing position



4. Ventilation with the bag valve mask

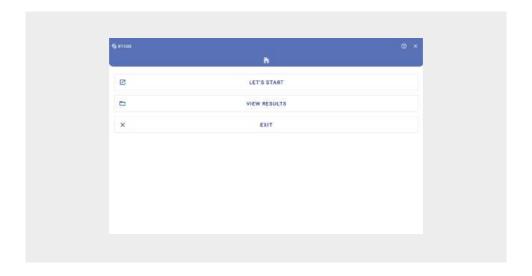


Software

1. Screen layout



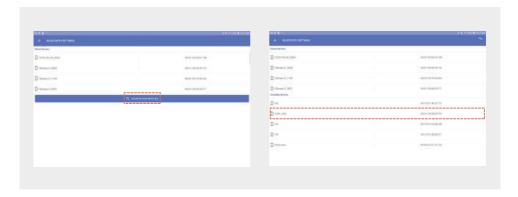
2. Home (Main screen)



- ① LET'S START: You can select the ETT, LMA/I-GEL, COMBITUBE modes to practice airway management.
- ② VIEW RESULTS: Saved result can be seen in "View Results".

3. Bluetooth Connection

- Adult torso model and Tablet PC are connected via Bluetooth communication.
- Please refer to the procedure below for Bluetooth connection.



- ① First, check the manikin's power is on.
- ② Click the Bluetooth icon to make sure the pairing with device.
- (9) If devices are not paired, Select the device that user wants to connect from the pairing device list.



- 4 After selecting the device, enter the Pin Code as below.
 - * Pin Code: 56789
- (9) In the paired devices list, check the connection of the device.
- Once connection is complete, the device & tablet PC will connect automatically.
 - * Reconnection Icon :

4. Let's start



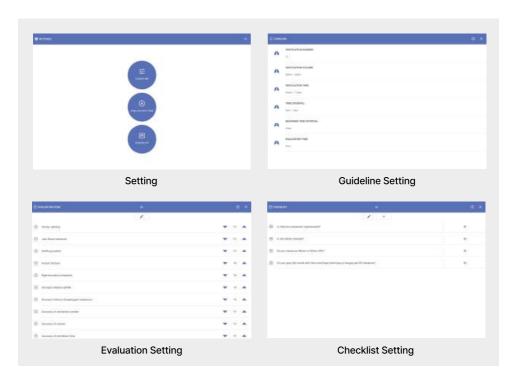
① Mode selection

ETT	LMA / I-GEL	COMBITUBE	
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^{- &#}x27;ETT', 'LMA / I-GEL', 'COMBITUBE' modes are available.

② Top bar icon

Icon	Description	lcon	Description
(•)	Start Training	0	Stop Training
	View Result	*	Setting
•	Sound feedback - Activated	*2	Sound feedback - Inactivated
₽ Φ	Simulator Setting		



- Setting: 🏩
 - Guideline Setting : Editable guideline for ventilation.
 - Evaluation Setting : Editable evaluation items and points.
 - Checklist Setting: Editable checklist items and points.



- Simulator Setting: 🎝
 - Set the value of Head extension angle(n°) / Force on incisor (N)

3 Bottom bar icon

Icon	Description	Icon	Description
	Checklist		History
☆	Line Graph	th	Bar Graph
K M	Full Screen		

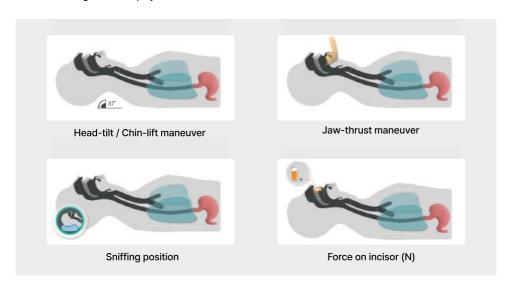
Training Screen



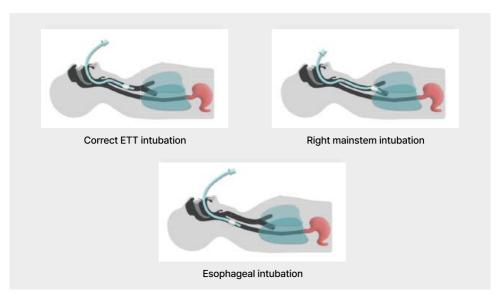
a. Wrong Intubation - Displaying right mainstem intubation, gastric inflation, esophageal intubation.



b. Training date is displayed in real time.



- ETT intubation



- LMA / I-GEL & COMBITUBE intubation

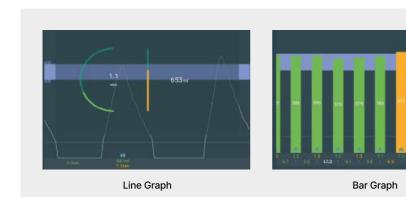


LMA / I-GEL intubation



COMBITUBE intubation

c. Ventilation Graph



- You can select the graph type (Line Graph / Bar Graph)
- Displaying ventilation number, ventilation time, time interval and etc.

- Training Screen icon

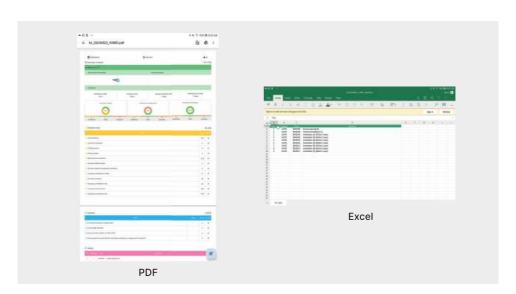
Icon	Description	Icon	Description
4	Ventilation after correct ETT intubation	66	Ventilation after right mainstem intubation
8	Ventilation with Bag-valve-mask		

5. View Results

- Saved result can be seen in "View Results".



① Save result can be sorted, edited and searched according to the folders of the trainee's name.



- ② Click the file to see the result in PDF or Excel format.
- 3 Save result can be shared or transmitted to e-mail.

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