BT-CSPA

Arterial Puncture Training Model

USER'S GUIDE





Product Information

Product Name	Arterial Puncture Training Model
Model Name	BT-CSPA
Manufacturer	BT Inc.
Address	A-313, Samsong Techno-valley, 140, Tongil-ro,
	Deogyang-GU, Goyang-Si, Gyeonggi-do, 10594,
	Republic of Korea

Certification

C € F© RoHS

Product Specifications

Dimensions	307 X 367 X 169mm
Weight	2.8kg
Power Converter	Input AC100-240~, 50/60Hz, 0.4A, Output DC 12V, 1.5A
Battery	LR6 – 8EA(AA Type, 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	btinc@btinc.co.kr	

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Cautions for battery disposal

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

Cautions

Please read 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 purposes other than described in the manual.
- ③ If you disassemble or modify the product without any permission by BT Inc, the warranty will be voided. Also, making imitated or altered products for commercial purposes are prohibited by law.
- ④ If the product is overheating or emits a burning odor during usage, turn off the power switch, unplug the power adaptor and call the customer service center.
- (5) Keep the product away from water and moisture area.
- ⑥ Do not use the product near strong magnetic fields or high voltage power lines.
- ⑦ Do not use the product and unplug the power adapter during lightning storms.
 It can cause malfunction of the product and increase the risk of an electric shock.
- (8) The product may malfunction under extreme weather conditions. (Operation temperature : 0°C~40°C (32°F~104°F), Storage temperature : -10°C~50°C (14°F~122°F)
- ③ Do not keep the product near hot or cold environments as possible. Deterioration of product or internal damage may occur from extreme weather conditions.
- 10 Never clean the product with chemicals such as solvent, benzene or thinner as these may cause fire ignition or surface deterioration.
- Do not install other programs or software to the provided tablet. It may cause software malfunction.
- ID BT Inc. can change or adjust the product specification without any notice in order to improve the product.

Components





Connecting the power supply

< How to connect the power adaptor >





* Please use the included power adaptor.

< How to Insert batteries >





- 1 Open the battery cover at the back side of the circulation system.
- 2 Insert 8 batteries into the battery holder with (+) and (–) electrodes aligned.
- ③ Use the LR(AA type, 1.5V) batteries.
- * The LED lamp will flicker when the battery is low.
- * Please turn the power off before changing batteries to prevent any malfunctions.

Installation



* When product is released from BT factory, the skin pad is already connected to the arm.



- O Connect the power adapter. (Please refer to "How to connect the power supply" page.)
- (8) The model is ready to be used.

Operation



- ① Make sure the power is being supplied.
- ② Turn the power on.
- ③ Set the pulse rate switch(Main switch) to the value that you want to practice.
 ※ 3 stages : 60, 80, 100 BPM
 - * Circulate the blood about 3 seconds so that the blood can be filled to the vein.
- ④ Set the pulse strength switch for the trainer.
 * 5 stages : 1(Min.) ~ 5(Max.)
- (5) Proceed the training.
- 6 After training, set the pulse rate switch to STOP.
 - st The circulation system will work about 5 seconds to collect the blood inside of vein.
- ⑦ Clear function : Operated manually, please refer to the "Maintenance" page.

Status of system	LED lamp showing the status	Lamp
Power ON	Red light ► Green light ► Blue light ON	
Set pulse rate switch to 60/80/100	Blue light flickering 3 seconds and ON	×× •
Set pulse rate switch to Stop	Green light flickering 5 seconds and Blue light ON	×× •
Set pulse rate switch to Clear	Green light ON	
Low battery	Red light flickering	<u>**</u>

< LED lamp showing the status >

* The LED lamp will flicker when the battery is low. Turn the power off and change the batteries.

Function

<Allen's test>



- Perform Allen test with the model.

- You can check the color of palm is changing.

<Arterial Puncture Training>



- Find the radial artery and perform the arterial puncture.
- You can check the back flow of blood due to arterial pressure.

Maintenance



Replacement of the skin pad



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