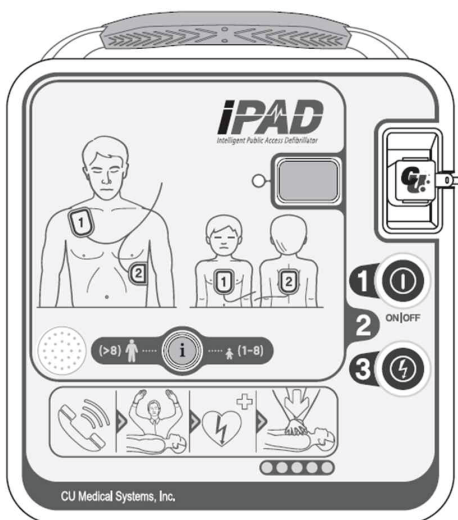


AED Trainer

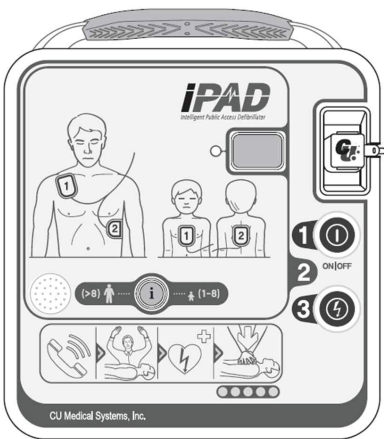
i-PAD CU-SPRT



AED Trainer

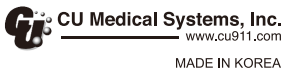
i-PAD CU-SPRT

Instructions for use



* Thank you for purchasing the i-PAD CU-SPRT

* For long, trouble-free use, read the instructions and precautions to become completely familiar with the operation of the product.



1. Product Overview

This product is designed for training in the prompt and correct use of a semi-automated external defibrillator in an emergency.

Product Features

- * 10 scenarios which simulate different situations
- * Designed to be used without the need for other simulation devices
- * Powered by AA type batteries (disposable or rechargeable) for convenience and low running cost
- * Infra-Red remote control for easy and convenient operation

Package Contents

- ① iPAD CU-SPRT AED Training Device
- ② Training Electrode Pads
These are for training purposes ONLY and cannot be used to deliver a shock
- ③ Instructions for use
- ④ Carrying Case
- ⑤ 6 x AA Type Batteries (for device)
- ⑥ 2 x AAA Type Batteries (for remote control)
- ⑦ Infra-Red Remote Control

Product Performance

Specifications (Dimensions/Weight)

Dimensions: 227mm(W) X 237mm(D) X 70mm(H)
Weight: Approximately 1.12kg
excluding accessories (batteries, pad and remote control)

User Interface

Buttons: Power button, i-button, electric shock button
Status indicator lamps: Pad connection indicator lamp,
pad attachment position indicator lamp,
patient contact prohibition indicator lamp, CPR indicator lamp

Training Scenario

10 scenarios

Remote Control

Power On/Off, pad connection/disconnection, LOW BATTERY event
Selection of scenarios: 10 scenarios, pause control
Volume control: Levels 1 ~ 4 (Default: Level 4), Multi-language selection

Power

Power: 1.5VDC, 6 AA type disposable batteries
Unit can be continuously operated for approximately 12 hours
(Operation conditions: using new batteries, volume level 4, Scenario-1)

Training Pad

Detachable and disposable adhesive pad
(Without defibrillation energy delivery)

Remote Control

Infrared type
Power: 1.5VDC, 2 AAA disposable batteries
Operating distance: Within a 5m sight line of the equipment

Part Names

Power button

Turns the product on and off
When the equipment is in operation a green LED lights up

i-button

Selection within the CPR guide - Blue LED flashes
Low battery - Red LED flashes

Electric shock button

Button for delivering a virtual electric shock
This product cannot deliver an actual electric shock.

Adult/child selector Electronic Push Button

Adult / child mode change

Pad Connector

Pad connector

Illuminated pad connection indicator

Illuminated pad connection indicator

Illuminated pad position indicator

Illuminated pad Position indicator

"Stand clear" indicator

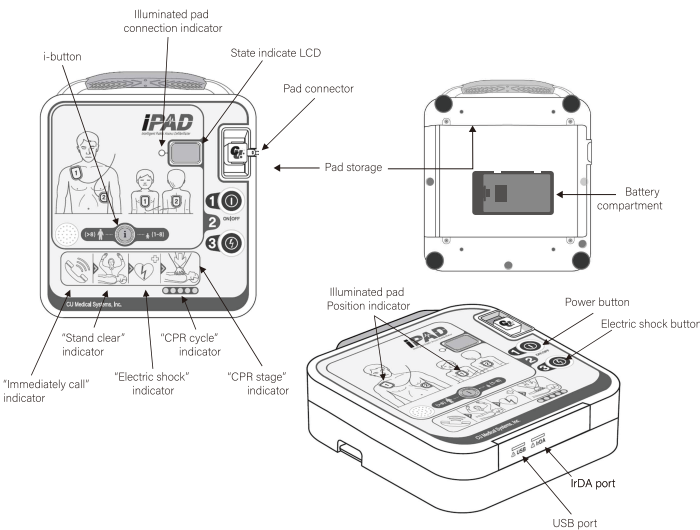
"Stand clear" indicator

CPR indicator lamp

Illuminated CPR indicator

battery compartment

6 x AA type batteries can be inserted here



2. Use of the product

The 2015 CPR guidelines recommended by ILCOR (International Liaison Committee Of Resuscitation) and AHA (American Heart Association) apply to this product.
The default CPR settings are 5 cycles of chest compressions (30 times) with ventilations (2 breath).

- ① Open the packaging and check the product components.
- ② Insert batteries correctly.
- ③ When turned on, the equipment uses Scenario No.1 and volume level 4 as the default values.

● **Infrared Remote Control**

* Function of buttons on the remote control

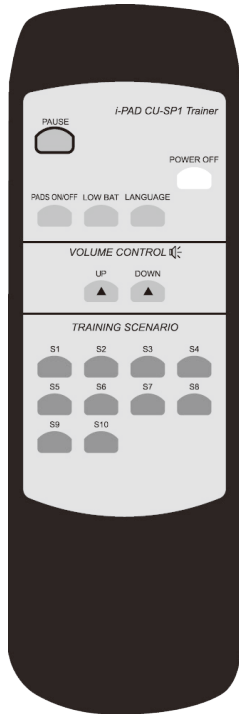
Power Off	Turns the product on and off
Pads On / Off	Allows the instructor to simulate the pads being placed on the casualty. When the PADS OFF button is pressed scenario – 06 will be simulated.
Low Bat	When you press this button, a “low battery” situation will be simulated. The “low battery” situation simulated is not an actual situation of “low battery”.
PAUSE	When this button is pressed, the operation of the product will be paused. When the button is pressed again, the operation of the product will resume. In Pause On status, only the Power Off and Pause buttons operate.
Volume Control	Press the ▲ button, to increase the volume and the ▼ button to decrease it. The default volume of the product is Level 4; control the volume from Levels 1 to 4 with the remote control.
Training Scenario	The buttons S1 – S10 allow the user to select one of the pre-programmed training scenarios.
Languages Sel.	Continue to press this button to choose from the 14 languages supported by the product.

- * Various controls including Power Off, Pads On/Off, selection of scenario & language and volume control are available in real time through the infrared remote control.
- * When within 5m of the product, point the remote control at it, ensuring a clear line of sight.
- * All settings can be controlled with the remote control for easier operation.

● **Changing Scenario**

* Change the scenario by pressing the Scenario button on the product.

● **Training Scenario**



Scenario – 01

- ① A shock is necessary, Deliver the first shock,
- ② A shock is necessary, Deliver the second shock,
- ③ A shock is necessary, Deliver the third shock,
- ④ A shock is necessary, Deliver the fourth shock,
- ⑤ No more shocks required,

Scenario – 02

- ① A shock is necessary, Deliver the first shock,
- ② A shock is necessary, Deliver the second shock,
- ③ No more shocks required,

Scenario – 03

- ① (Continuous) Shocks are not required.

Scenario – 04

- ① A shock is necessary, Deliver the first shock,
- ② A shock is necessary, Deliver the second shock,
- ③ No shock required,
- ④ A shock is necessary, Deliver the third shock,
- ⑤ No more shocks required,

Scenario – 05

- ① A shock is necessary, Deliver the first shock,
- ② No shock required,
- ③ A shock is necessary, Deliver the second shock,
- ④ A shock is necessary, Deliver the third shock,
- ⑤ No more shocks required,

Scenario – 06

- ① A shock is necessary, Deliver the first shock,
- ② No more shocks required,

Scenario – 07

- ① A shock is necessary, Deliver the first shock,
- ② No shock required,
- ③ An equipment error has occurred (Error code: 32),

Scenario – 08

- ① A shock is necessary, Deliver the first shock,
- ② No shock required,
- ③ A shock is necessary, Deliver the second shock,
- ④ No more shocks required,

Scenario – 09

- ① Continuous shocks necessary,

Scenario – 10

- ① A shock is necessary, Deliver the first shock,
- ② No shock required,

3. Safety Considerations (Precautions and notes)

- * This product is provided only for the purpose of defibrillator education and training.
Do not use this product for emergency treatment.
- * An actual electric shock cannot be delivered by this device
- * Do not use a new battery with a used battery or disposable battery with a rechargeable battery together.
- * Pay attention to the polarity when installing battery.
- * Remove the batteries when storing the product to prevent battery leakage.
- * Do not try to recharge disposable batteries.
- * If you use rechargeable batteries, carefully read and follow all instructions provided with both the batteries and the battery charger.
- * Remove and recycle or dispose any old and/or worn out batteries according to local or national disposal regulations.
- * The length of battery life may be reduced according to the surrounding environment and service conditions.

★ **Scenario when defibrillation is necessary**

- ① The product notifies that an electric shock is necessary and instructs the user to move away from the manikin.
- ② When charging is completed, the product beeps continuously and the electric shock button flashes.
- ③ The product instructs the user to press the orange Electric Shock button; the user should press the button at this time.

When the shock button has been pressed a voice prompt says “shock delivered” followed by “You may touch the casualty”. In addition the CPR Indicator will illuminate with a voice prompt instructing the user to start CPR. If the user does not press the shock button within 15 seconds of being instructed to do so, the device cancels the shock delivery, the shock button stops flashing and the user is instructed to start CPR.

★ **Scenario when defibrillation is not necessary**

When the device states ‘No shock advised’ it is followed by “You may touch the casualty”. In addition the CPR Indicator will illuminate with a voice prompt instructing the user to start CPR.

4. Procedure for Using the Product

A

A. Turn the device on by pressing the Power Button. Please note that the adult/child switch does not perform any function on this training device. If no pads are connected to the device, there is a 1 second ‘beep’ followed by voice prompts. If pads are connected to the device, the voice prompts start without the 1 second ‘beep’.

B

B. Open the pad package and remove the training pads.
To replace the pads, follow the instructions on the pads package

C

C. Check the correct position for pad placement by looking at the drawings on both pads.

D

D. Remove the pads from the backing sheet and attach the pad shown in (1) below the right clavicle of the manikin and the pad shown in (2) over the ribs below the right nipple, in a straight line with the armpit as shown in the images on the pads.

E

E. If the pads are not already connected to the device, connect the pads to the pad connector.

3

4



F

F. The device then operates according to the selected training scenario.

G

Carry out CPR.

5. Administrator Mode and Operating Mode

● Introduction of Administrator Mode and Operating Mode

- Administrator Mode: In Administrator Mode you can customise the default CPR setting as written in [Table 1].
- Operating Mode: In Operating Mode you can change 1) the language pack between Pack A and Pack B and 2) whether it is Semi-Automatic or Fully-Automatic

5.1 Administrator Mode

● How to enter the Administrator mode

- Pause operation
- Press the 'pause' button again with both the 'I' and the 'S' buttons pressed simultaneously.
- The equipment will state: "This is the Administrator mode".

● Listen to the current setting in advance

- Press 'Scenario 7' button whilst in Administrator mode.
- The equipment will state the current setting value.

● Saving the current setting value

- Press 'Scenario 8' button whilst in Administrator mode.
- The equipment will state: "Saving completed." and the setting value will be stored in the memory.

● Saving as the default setting value

- Press 'Scenario 10' button whilst in Administrator mode
- The equipment will state: "Saving completed." and the previous setting value will be stored in the memory.

● Changing the setting for the number of compressions

- Press 'Scenario 1' button whilst in Administrator mode
- The equipment will state the current setting value for the number of compressions to be performed. (Example: "Setting for the number of compressions to be performed: 30 times")
- When you press the 'Scenario 1' button again, the equipment will state the changed value. (Example: "Setting for the number of compressions to be performed: 15 times")
- Each time you press the 'Scenario 1' button, the equipment will state the changed setting value.

● Changing the setting for the number of CPR cycles to be performed

- Press 'Scenario 2' button whilst in Administrator mode
- The product will state the current setting value for the number of CPR cycles to be performed. (Example: "Setting for the number of CPR cycles to be performed: 2 times")
- When you press the 'Scenario 2' button again, the product will state the changed value. (Example: "Setting for the number of CPR cycles to be performed: 0 time")
- Each time you press the 'Scenario 2' button, the product will state the changed setting value.

● Changing the setting for the number of cycles to be performed

- Press 'Scenario 3' button whilst in Administrator mode
- The product will state the current setting value for the number of cycles to be performed. (Example: "Setting for the number of cycles to be performed: 5 times")
- When you press the 'Scenario 3' button again, the product will state the changed value. (Example: "Setting for the number of cycles to be performed: 6 times")
- Each time you press the 'Scenario 3' button, the product will state the changed setting value.

● Changing the setting for the speed of compression

- Press 'Scenario 4' button whilst in Administrator mode
- The product will state the current setting value for the speed of compression. (Example: "Setting for the speed of compression: 100 times per minute")
- When you press the 'Scenario 4' button again, the product will state the changed value. (Example: "Setting for the speed of compression: 105 times per minute")
- Each time you press the 'Scenario 4' button, the product will state the changed setting value.

● Changing pause time

- Press 'Scenario 5' button whilst in Administrator mode
- The product will state the current pause time value. (Example: "Pause time 2 minutes")
- When you press the 'Scenario 5' button again, the product will state the changed value. (Example: "Pause time: 2 minutes 30 seconds")
- Each time you press the 'Scenario 5' button, the product will state the changed setting value.

● Changing the detailed guide setting

- Press 'Scenario 6' button whilst in Administrator mode
- The product will state the current pause time value. (Example: "Set detailed guide")
- When you press the 'Scenario 6' button again, the product will state the changed value. (Example: "Cancel the detailed guide")
- Each time you press the 'Scenario 6' button, the product will state the changed setting value.

5

Setting Option	Range	Unit	Default	Description
Number of Chest Compression	15, 30	15	30	Perform 30 Compression.
Number of Ventilation	0 to 2	1	2	Give 2 breaths.
Number of Cycles	2 to 10	1	5	Perform 5 cycles of chest compression and ventilation.
Speed of Compression	100 to 120	5	100	Compress the chest at a rate of 100 compressions per minute.
CPR Pause time	30 to 180 sec	30 sec	120 sec	Pause for 120 seconds (2 minutes).
Detailed Guide Selection	On/Off		Off	Turns ON or OFF detailed voice instructions for the chest compression and ventilation when performing CPR.

Remote control button	Function
'Pause'	Enter the Administrator mode
'Scenario 1'	Change the number of chest compressions to be performed
'Scenario 2'	Change the number of CPR cycles to be performed
'Scenario 3'	Change the number of cycles to be performed
'Scenario 4'	Change the speed of chest compressions
'Scenario 5'	Change pause time
'Scenario 6'	Set/cancel the detailed guide
'Scenario 7'	Listen to the current setting value
'Scenario 8'	Save as the current setting value
'Scenario 10'	Save as the default setting value

- You can only change the desired setting by operating the remote control.
- If required, you can simply listen to the current setting.
- You can reset to the default value.

5.2. Operating Mode

● How to enter the Operating Mode

- Turn on the device and press the pause button on the remote controller.
- While being paused, press and hold the i-button on the device and the pause button on the remote controller simultaneously.
- The device will start an instruction to indicate that the Operating Mode is activated.

● How to change the Language Pack

- While the Operating Mode is activated, press the 'Scenario 1' button on the remote controller to select your preferred language pack between pack A and pack B. The table below is showing which languages are included in which packs.
- Press the 'language' button on the remote controller to change the set language in the given language pack. While being paused, press and hold the i-button on the device and the pause button on the remote controller simultaneously.
- Press the 'Scenario 7' button on the remote controller to hear the current settings.
- Press the 'Scenario 8' button to save the current settings.
- Press the pause button to exit the Operating Mode and turn off the device to complete the language settings.

Pack A	Pack B
Korean	Korean
UK English	English
English	Hebrew
Polish	Arabic
German	Ukrainian
Spanish	Italian
Czech	Hungarian
Portuguese	Thai
Greek	Danish
Dutch	Norwegian
Swedish	Swedish
French	Finnish
Lithuanian	Russian
Ramanian	Japanese

6

● **How to change between Semi-Automatic and Fully-Automatic**

1. During the Operating Mode is activated, you can set the device as Semi-Automatic or Fully-Automatic by pressing the 'Scenario 2' button on the remote controller.
2. Press the 'Scenario 7' button on the remote controller to hear the current settings.
3. Press the 'Scenario 8' button to save the current settings.
4. Press the pause button to exit the Operating Mode and turn off the device to complete the Semi-Automatic or Fully-Automatic settings.

6. Customer Service

● **Product warranty**

Product Name		Model Name	
Serial No.			
Date of Purchase		Sales Representative	

● **With regard to after-sale service**

All our products are designed and manufactured in compliance with international standards (ISO9001:2008 / ISO13485:2007 /KGMOP). Our products are also manufactured according to strict quality management and inspection procedures. You are hereby informed that warranty is provided for the product in accordance with per-item consumer dispute resolution guidelines (Fair Trade Commission Notice) as follows:

This Warranty is provided by CU Medical Systems, Inc to the original purchasers of new iPad SPRT defibrillator training devices from CU Medical Systems, Inc and applies to defects in materials and workmanship for one full year from the date of original purchase.

What is warranted

During the warranty period, we will repair or at our option, replace at no charge, a device that proves to be defective, provided you return the device, shipping prepaid, to us or to our authorised representative.

What is not warranted

This warranty does not apply if the device has been damaged by accident or misuse or as the result of the service or modification by entities other than CU Medical Systems, Inc or its authorised representative. In no event shall CU Medical Systems, Inc or its authorised representative be liable for consequential damages.

Warranty Disclaimer

The following renders the Warranty null and void:

- Servicing by unauthorised personnel
- If the factory seal is broken without proper authorisation from CU Medical Systems, INC
- Failure or damage cause by fall or external shock after purchase
- Damage by natural disasters such as fire, earthquake, flood and/or lighting
- Failure or damage by environmental pollution or abnormal voltage
- Damage caused by storage in conditions beyond specified limits
- Failure due to depletion of consumables
- Failure caused by sand and/or soil getting inside the device
- The purchase date, customer name, distributor name, batch number and other listed information being arbitrarily changed
- No proof of purchase provided along with the device warranty
- Usage of accessories and parts not recommended by manufacturer
- Other failure or damage caused by inappropriate operation

[Head Office/Factory]

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All our products are designed and manufactured in compliance with international standards (ISO9001:2008 / ISO13485:2007 /KGMOP). Our products are also manufactured according to strict quality management and inspection procedures. You are hereby informed that warranty is provided for the product in accordance with per-item consumer dispute resolution guidelines (Fair Trade Commission Notice) as follows: