尺寸：140X205MM

XFT

AED TRAINER
| XFT-120G |

Technology Upgrades
Our Life

Direction for use

Product Name: AED Trainer
Model: XFT-120G

Shenzhen XFT Medical Limited
Room 203, Building 1, Biomedicine Innovations Industrial Park,
#14 Jinhui Road, Pingshan District, Shenzhen, China
Tel: 86-755-29888818 Web: www.xft-china.com Mail: xft@xft.cn

Date: 2022/3/25
Doc. No.: XFT-120G-EN
Version: C1

- Thank you for purchasing XFT-120G AED Trainer
- Please read the instruction manual carefully and thoroughly before operating this device.
- Also please keep it available for future reference.

Content

List of Symbols

	Date of manufacture
	Manufacturer
	Please dispose of the device/battery/accessory/packing in accordance with the legal obligation in your area
	Serial Number
	Fragile
	Keep upward
	Keep dry
	Temperature limit
	Humidity limitation
	Atmospheric pressure limitation

1. Product Introduction

XFT-120G AED (Automated External Defibrillator) Trainer is specifically designed to train first-aid personnel before they use a real clinical AED. The AED Trainer completely simulates the operation of AED in the training guide and training program, but does not deliver high voltage electric shock, protecting the safety of trainees. It can be used to help first-aid personnel get familiar with AED and master some necessary basic operating skills of using AED in the first aid process. Before using an AED, first-aid personnel should first complete training courses on how to respond calmly in a real accident. These training courses also include learning how to use an AED Trainer. A trained first-aid personnel should know how to assess a patient's condition, such as loss of consciousness, respiratory arrest, cardiac arrest, etc, and should be proficient in CPR procedures and related medical procedures.

6. After-sales Service

1. The product is provided with a two-year warranty starting from the date of purchasing.

2. XFT will not provide free repair for the malfunctions caused by the following behaviors:
- Disassemble or modify the product without authorization.
- Accidentally blow or drop the product during use or transportation.
- Lack of reasonable maintenance.
- Operate not according to the instruction.
- Repaired by unauthorized repair store.

3. When asking for warranty service, please take with the warranty card.
- It is charged according to the stipulation of the repair service of the warranty.
- Please contact XFT if you need warranty service.

Warranty Card

Product name: _____ Model no.: _____

Purchase date: _____ Product serial no.: _____

Buyer's information: _____

Distributor's information: _____

Manufacturer: Shenzhen XFT Medical Limited

Add: Room 203, Building 1, Biomedicine Innovations Industrial Park,
#14 Jinhui Road, Pingshan District, Shenzhen, China

Tel: 86-755-29888818 Web: www.xft-china.com Mail: xft@xft.cn

Distributor Seal: _____

Table3: 10 preprogrammed scenarios in XFT-120G AED Trainer

Scenarios	Description	Operation
0	Ventricular Fibrillation- With single-shock conversion	Shockable rhythm 1 shock Non-shockable rhythm
1	Ventricular Fibrillation- With multiple-shocks required for conversion	Shockable rhythm 4 shocks Non-shockable rhythm
2	Troubleshooting Skills- Defibrillation pads	Poor pad connection Shockable rhythm 1 shock Non-shockable rhythm
3	Ventricular Fibrillation- With two-shocks required for conversion	Shockable rhythm 2 shocks Non-shockable rhythm
4	Non-Shockable Rhythm	Non-shockable rhythm throught
5	Ventricular Fibrillation- With two-shocks required for conversion	Shockable rhythm 2 shocks Non-shockable rhythm
6	Ventricular Fibrillation- With three-shocks required for conversion	Shockable rhythm 3 shocks Non-shockable rhythm
7	Troubleshooting Skills- Defibrillation pads with two shocks required for conversion	Poor pad connection Shockable rhythm 2 shocks Non-shockable rhythm
8	Ventricular Fibrillation	Ventricular fibrillation throught
9	Troubleshooting Skills-Motion, low battery, with one shock required for conversion	Motion artifacts Shockable rhythm 1 shock Non-shockable rhythm

2. Product Illustration

XFT-120G AED Trainer consists of the Trainer, Remote Control, Electrode Pads, Pad Sensors, Instruction Manual, Power Adapter, and Storage Bag.

2.1 The Trainer

2.1.1 Front View

Fig. 1 Front View

Fig.2 Open the Cover

1) Handle

2) Cover

When open the cover, the AED Trainer will be turned on; when close the cover, the AED Trainer will be turned off.

3) USB Interface

It is used to upgrade the software.

4) Electrode Socket:

It is used to connect the electrode pad.

5) Display Screen

When the Trainer is working, the screen will display the working status.

6) Power Button

Turn on the trainer by opening the cover, during this state, press the Power button to shut down the Trainer

7) Shock Button

Press this button to deliver shock. The button flashes when shock advised.

8) Setting Button

When the trainer is powered on, press and hold this Setting Button for 3 seconds to enter the setting interface. Then press the Down Button ﹀ or Up Button ﹀ to select the language, metronome, CPR wristband, and system settings. After the setting is completed, press and hold the Setting button for 3 seconds to exit the setting interface.

9) Up Button
When it is on the working interface, user can press this button to choose different scenarios;
When it is on setting interface, user can press this button to switch the selection.
10) Down button
When it is on the working interface, user can press this button to choose different scenarios;
When it is on setting interface, user can press this button to switch the selection.
11) Loudspeaker
12) Signal Receiving Window
When using the remote control, point it at this window to control the trainer.

2.1.2 Rear View

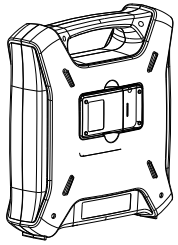


Fig.3 Rear View

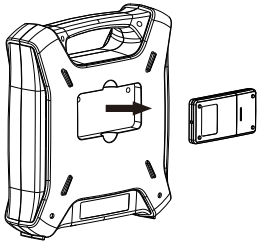


Fig.4 Take Out the Remote Control

1) Remote Control
The remote control is stored in the back side of the AED Trainer.User can remove it from the trainer when doing the training.

2.1.3 Botton View

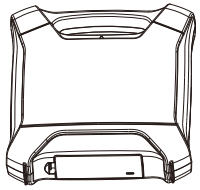


Fig.5 Botton View

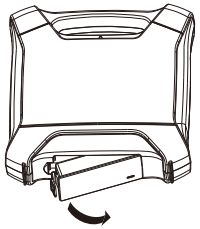


Fig.6 Remove the Battery Module

1) Battery Module
The battery module is rechargeable. When charging is need, user can remove the battery module from the AED Trainer and connect it with power adapter for charging.

5.3 Product Contents

Table 1

No.	Content	Quantity	Unit	Remarks
1	The Trainer	1	pc	-
2	Remote Control	1	pc	-
3	Adult Electrode Pads	1	Pair	-
4	Child Electrode Pads	1	Pair	-
5	Adult Pad Sensors	2	Pairs	-
6	Child Pad Sensors	2	Pairs	-
7	CPR Wristband	1	pc	Optional
8	Battery	1	pc	Rechargebale
9	Power Adapter	1	pc	-
10	Instruction Manual	1	pc	-
11	Storage Bag	1	pc	-

Table2: Accessories ordering reference number

No.	Accessories	Ref. No
1	The Trainer	5010701003
2	Remote Control	5010701004
3	Adult Electrode Pads	4320010136
4	Child Electrode Pads	4320010137
5	Adult Pad Sensors	4320010134
6	Child Pad Sensors	4320010131
7	CPR Wristband	
8	Battery	5030701002
9	Power Adapter	
10	Instruction Manual	4010701002
11	Storage Bag	4450701001

5. Specification and Product Contents

5.1 The Trainer

Model: XFT-120G
Product Name: AED Trainer
Power:DC 7.4V/2600mAh, rechargeable lithium battery
Shutdown current: ≤10μA
Working current: ≤500mA
Size: 253x230x71mm
Weight: 865±35g

Rechargeable lithium battery: ICR18650, 7.4V 2600mAh, 37x67x19mm

5.2 Remote Control

Power: DC 3.0V(CR2032 Button cell)
Shutdown current: ≤5μA
Working current: ≤25mA
Size: 102x52x11mm
Weight: 30±5 g

2.2 The Display Screen

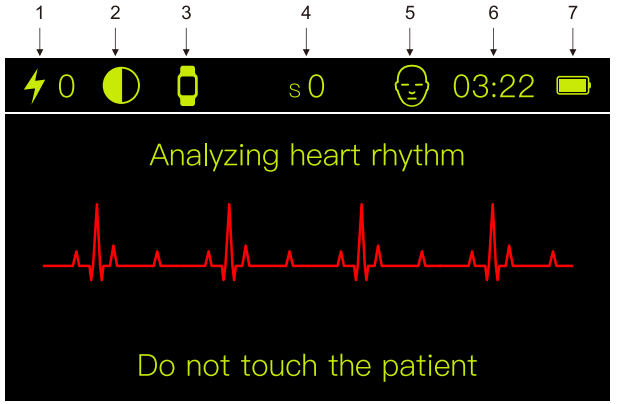


Fig.7 Display Screen

No.	Explanation
1	Indicates the times of shocks the Trainer has delivered “0” means no shock.
2	Indicates that the trainer is currently in semi-automatic mode; Indicates that the trainer is currently in the full-automatic mode.
3	Indicates that the trainer is connected to the CPR wristband; Indicates that the trainer is not connected to the CPR wristband.
4	“s” is short for Scenario, the number 0-9 means the the scenario 0 to scenario 9.
5	Indicates that the trainer is currently in pediatric mode and uses child electrode pads; Indicates that the trainer is currently in adult mode and uses adult electrode pads.
6	Indicates the time used since it is powered on.
7	Indicates the current battery level of the trainer

2.3 The Remote Control

Fig. 8 Remote Control

1) Scenario Buttons
Press these buttons to select basic scenario from 0-9 scenario (see Table 3 for details of each scenario);

2) Stop CPR Button
If you press this button during the CPR process, you will end the CPR process ahead of time and go directly to the next process.

3) Volume +/- Button
Press the + button to increase the volume;
Press the – button to reduce the volume.

4) Play/Pause Button
When the trainer is playing, press this button, the trainer will enter the pause state;
When the trainer is in pause state, press this button, the trainer will continue its play.

4) Safe Use of Rechargeable Batteries:

- Do not charge/discharge more than the specified current.
- Do not short circuit the battery/battery pack, as this may cause permanent damage to the battery/battery pack.
- Do not burn or destroy the battery/battery pack.
- Do not expose the battery to adverse conditions such as extreme temperatures, deep cycling and overcharging, otherwise battery life may be reduced.
- Store the battery/battery pack in a cool, dry place.
- Keep away from children.

※ Rechargeable battery care instructions

Periodic charge and discharge: If the trainer is not used for a long time (when the battery is stored for more than 6 months), it is recommended to discharge the battery completely and then recharge it. If the battery is found to leak, stop using it immediately and contact the supplier for disposal.

4.4 Working Condition and Storage Condition

Working Condition
Temperature: 5℃-40℃
Humidity: ≤80% (Non-condensing)
Atmospheric pressure: 86kPa-106kPa

Storage Condition
Temperature: -20℃-55℃
Humidity: ≤93% (Non-condensing)
Atmospheric pressure: 70kP a-106kPa

2) The Trainer battery charging: When the battery is exhausted, please charge the battery in time.

Fig. 35 The Trainer battery charging

※ After using for a while, if the volume is not normal or does not work properly, the battery may be running out. Please replace the battery or charge the battery.

3) Battery Installation for the Remote Control:

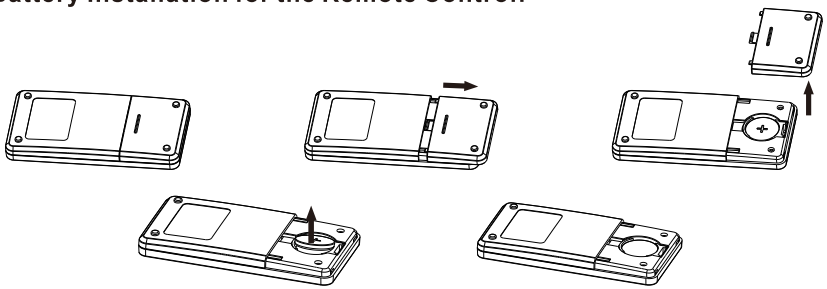


Fig. 36 Remote control battery removal diagram

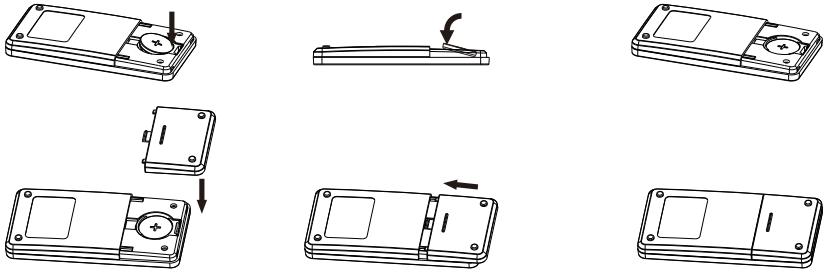


Fig. 37 Remote control battery installation diagram

※Note that the battery anode is upward when the battery is installed. After using for a period of time, if the trainer's response to the remote control is delayed or does not respond, the battery may be running out. Please replace it with a new one

5) Semi/ Fully-automactic Button
Press this button to select between semi-automatic scenario or fully-automatic scenario.

6) Simulate Electrode is Well Connected
Press this button during training, the trainer enters into the electrode pads connect good program, and then according to the voice prompt for training.

7) Simulated Electrode is not Well Connected:
Press this button during training, the trainer prompts “Press pads firmly to patient's bare chest”, and then prompts “poor pads contact” and “replace pads”.

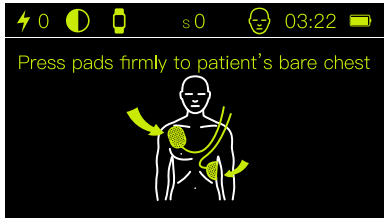


Fig. 9

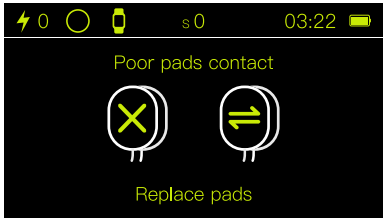


Fig. 10

8) Simulate Motion Interference:
Press this button during the first heart rhythm analysis, the trainer prompts “Analysis interrupted (Fig. 11), Stop all motion (Fig. 12)”; press this button during the second heart rhythm analysis, the trainer prompts “Stop all motion (Figure 10), Cannot analyze (Figure 13)"

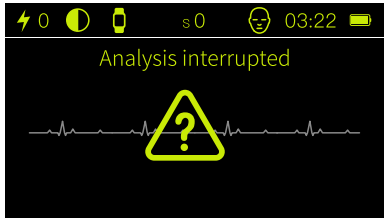


Fig. 11

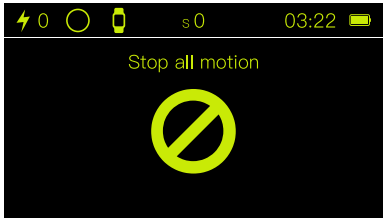


Fig. 12

Fig. 13

9) Simulate a Shockable Rhythm:
Press this button during training, the trainer enters into a shockable rhythm program, and then train according to the voice prompts.

10) Simulate a Non-shockable Rhythm:
Press this button during training, the trainer enters into a non-shockable rhythm program, and then train according to the voice prompts.

11) Simulate Low Battery
In the normal use of the trainer, press this button, the trainer screen prompts low battery. If you press this button again, you will be prompted to replace the battery.

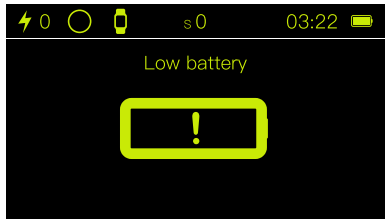


Fig. 14

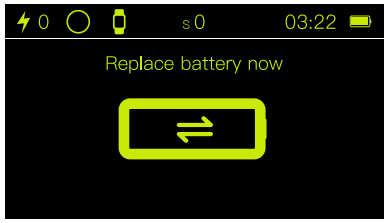


Fig. 15

12) Simulate System Error:
In the normal use of the trainer, press this button, the trainer screen prompts “System Error”.

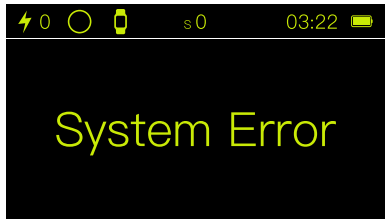


Fig. 16

4. Product Maintenance

4.1 Maintenance for the Trainer

- If the trainer is dirty, wipe with soft cloth with water or neutral detergent. Wring it thoroughly and wipe the main unit.
- Do not wipe the main unit with thinner, benzine, etc.
- Do not wipe the main unit with other volatile preparations.
- Do not allow liquid such as water to flow into the inside of the main unit.
- Do not store in a place exposed to direct sunlight, high temperature, humidity, dust, or corrosive gas.
- Save the main unit, remote control, electrode pads, power adapter, and manual with a storage kit.

4.2 Maintenance doe Electrode

- The electrode pads should be kept clean to avoid dust, oily substances, sticky substances, sticky substances and other contaminants.
- Do not scratch the surface with nails, brushes, etc.
- Do not wash frequently. Please do not use detergent or hot water for cleaning.
- Do not store in a place exposed to direct sunlight, high temperature, humidity, dust, or corrosive gas.

4.3 Disassembly and Maintenance for Battery

1) The trainer battery installation: Insert the battery as shown.

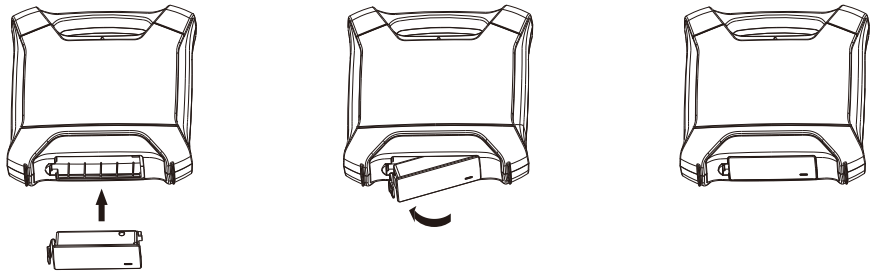


Fig. 34 The Trainer battery installation

3.5.4 System Setting

1) Open the trainer's cover to power on.
2) Press and hold ☰ for 3 seconds to enter the System setting interface.
3) Select the System option by pressing the " ∧ " or " ∨ " button.
4) Press ☰ to enter the System settings page.
5) Select the desired option by pressing the " ∧ " or " ∨ " button.
6) Press ☰ to confirm the selection.
7) Press the " ∧ " or " ∨ " button to return to the start page of setting.
8) Press and hold ☰ for 3 seconds to exit the setting interface. Then follow the voice prompts in the normal order for training.

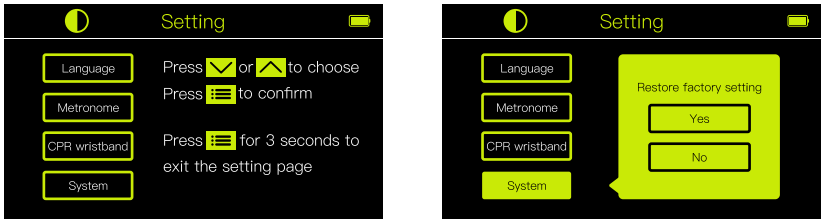


Fig. 33 System setting

3.6 Shutdown

When the training is over, close the trainer's cover to turn off the device.
Please note that:

1) If it is in the setting interface for more than 8 minutes, it will automatically shut down.
2) If the trainer is paused for 8 minutes without any operation, it will automatically shut down.

13. Simulate the Compression is Too Slow:
During the CPR process, when press this button, the trainer screen prompts to push faster.

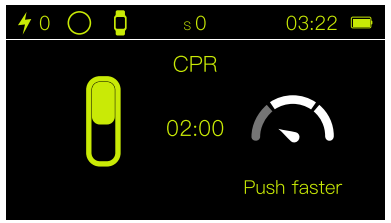


Fig. 17

14. Simulate the Compression is Too Fast:
During the CPR process, when press this button, the trainer screen prompts to push slower.

Fig. 18

15. Simulate the Compression is Too Soft:
During the CPR process, when press this button, the trainer screen prompts to push harder.

Fig. 19

16. Simulate the Compression is too Hard:

During the CPR process, when press this button, the trainer screen prompts to push softer.

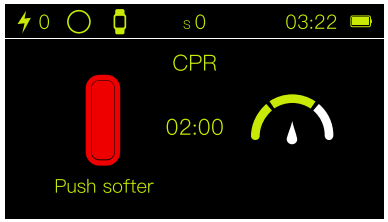
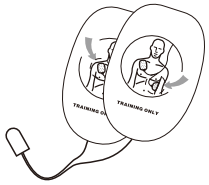
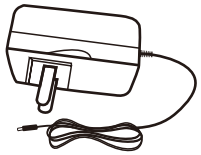


Fig. 20

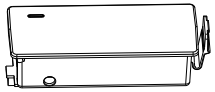
2.4 Accessories



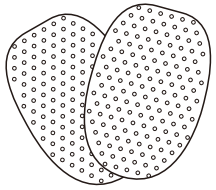
Electrode Pads



Adapter



Battery



Pad Sensors

Instruction Manual

Storage bag

Fig.21

3.5.2 Metronome setting

1) Open the trainer's cover to power on.
2) Press and hold ☰ for 3 seconds to enter the setting interface.
3) Select the Metronome option by pressing the " ∧ " or " ∨ " button.
4) Press ☰ to enter the Metronome setting page.
5) Select the desired Metronome by pressing the " ∧ " or " ∨ " button.
6) Press ☰ to confirm the selection.
7) Press the " ∧ " or " ∨ " button to return to the start page of setting.
8) Press and hold ☰ for 3 seconds to exit the setting interface. Then follow the voice prompts in the normal order for training.

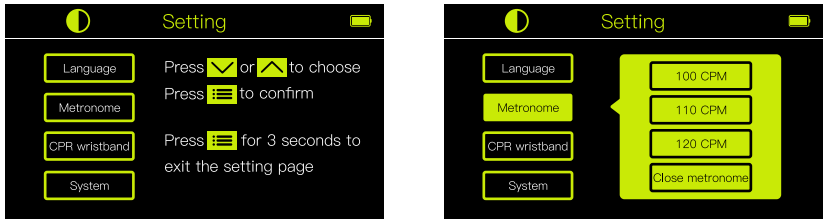


Fig. 31 Metronome setting

3.5.3 CPR Wristband Setting

1) Open the trainer's cover to power on.
2) Press and hold ☰ for 3 seconds to enter the setting interface.
3) Select the CPR wristband by pressing the " ∧ " or " ∨ " button.
4) Press ☰ to enter the CPR wristband setting page.
5) Select the desired option by pressing the " ∧ " or " ∨ " button.
6) Press ☰ to confirm the selection
7) Press the " ∧ " or " ∨ " button to return to the start page of setting
8) Press and hold ☰ for 3 seconds to exit the setting interface. Then follow the voice prompts in the normal order for training.

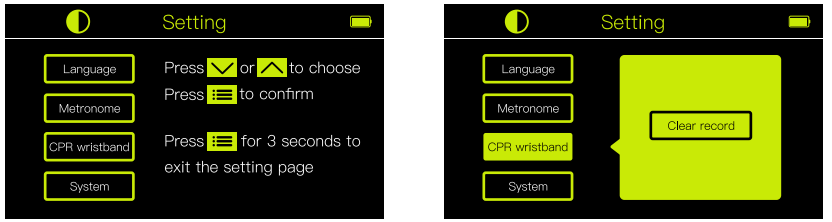


Fig. 32 CPR wristband setting

3.4 Follow the Voice Prompts

According to the selected training mode, the operation is performed according to the prompt voice of the trainer.

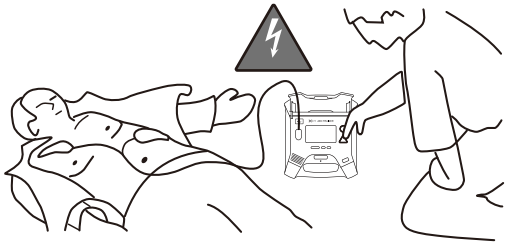


Fig. 29 Follow the voice prompts to operate

3.5 Setting Interface

If the user needs more settings, he or she can go to the settings page to make related settings.

3.5.1 Language setting

1) Open the trainer's cover to power on.
2) Press and hold ☰ for 3 seconds to enter the setting interface.
3) Select the Language option by pressing the " ∧ " or " ∨ " button.
4) Press ☰ to enter the language option setting page.
5) Select the desired language by pressing the " ∧ " or " ∨ " button.
6) Press ☰ to confirm the selection.
7) Press the " ∧ " or " ∨ " button to return to the start page of setting.
8) Press and hold ☰ for 3 seconds to exit the setting interface. Then follow the voice prompts in the normal order for training.

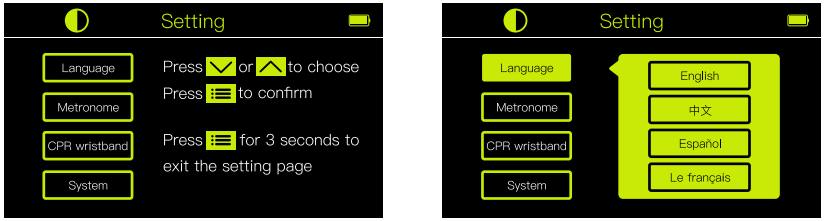


Fig. 30 Language setting

3. Operating Instruction

3.1 Preparation

3.1.1 Electrode pads placement

Take out the electrode from the package and place it on the manikin.
Note: If the adult mode is used, the adult electrode pads is attached to the position shown in Fig.22; if the child mode is used, the child electrode pads is attached to the position shown in Fig.23.

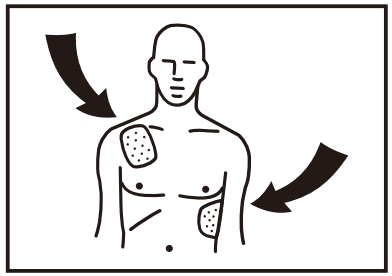


Fig. 22 Adult electrode placemen

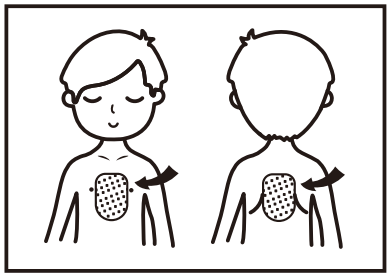


Fig. 23 Child electrode placement

3.1.2 Use with CPR Wristband

If you want to use the CPR wristband with the trainer, you need to connect the CPR wristband with the trainer. Turn on the trainer firstly, then turn on the CPR wristband, after that the CPR wristband will automatically connect to the trainer. If the CPR wristband or the trainer is turned off, the connection between the two devices will be interrupted. If you want to reconnect, you need to reboot both.

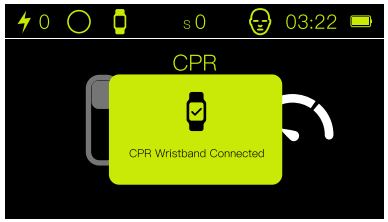


Fig. 24 The trainer and the CPR wristband connected

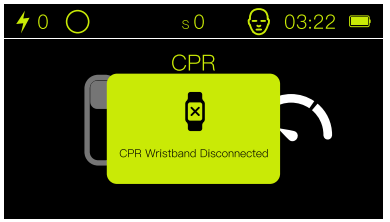


Fig. 25 CPR wristband and the trainer disconnected.

The connection status displayed on the CPR wristband screen is as follows:

CPR wristband screen display	Explanation
	Unconnected icon: The icon will show when the CPR wristband is not connected to the trainer. When the CPR wristband is turned on and the trainer is not turned on, the CPR wristband will search for the trainer to connect. When the trainer is not connected, the CPR wristband screen displays this icon.
	Connected icon: The icon will show when the CPR wristband is connected to the trainer. Turn on the trainer first, and then turn on the CPR wristband. These two devices will automatically connect; after the connection is successful, the icon will be displayed on the CPR wristband screen.
	Disconnect icon: The icon will show when the CPR wristband is disconnected from the trainer. When the CPR wristband is connected to the trainer, if the trainer is turned off, this icon will be displayed on the CPR wristband screen.

3.2 Power on and Select Training Mode

Open the cover, the power button light is on, and then select the training scenario through the remote control. The display screen on the trainer will display the currently selected scenario mode number and perform related operations according to the voice prompt. The last selected training mode will be remembered as the default mode for the next boot.

Fig.26

3.3 Connecting Electrode Pad

1) Take out the electrode pads (the adult electrode pads are pre-connected to the trainer);
2) Place the electrode pads to the manikin according to the illustration on the electrode pads;
3) Follow the voice prompts to perform related operations.

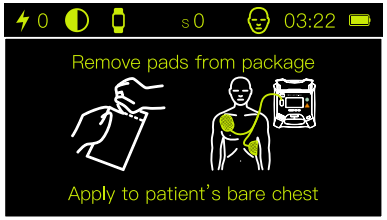


Fig. 27 Connecting electrode pad

Note: There are two types of training electrodes: adult electrode pad and child electrode pad. The electrode pad for training are similar in appearance to the electrode pad used in clinical AEDs, but do not conduct high voltage shocks. Therefore, the training electrode pads are for training purposes only and should not be connected to the AED for first aid.

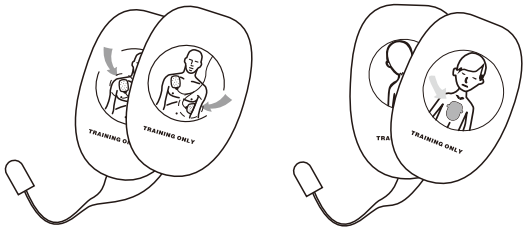


Fig. 28 Adult Electrode pad and Child Electrode pad

- Do not bend or stretch the electrode wires.
- When pulling out the electrode from the trainer, press and hold the terminal to pull it out.
- The factory default is to use the adult electrode, one end has been connected to the trainer; if you need to replace with the child electrode, firstly pull out the adult electrode, and then replace it with a child's electrode. When using a child's electrode, please pay attention to the difference between the placement method of the adult electrode (see 3.1.1).