HeartSine® samaritan® PAD Trainer
user manual

SAM 350P Trainer

SAM 360P Trainer

SAM 450P Trainer

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This user manual provides instructions on how to operate the HeartSine samaritan PAD Trainer: SAM 350P, SAM 360P and SAM 450P models.

About the HeartSine samaritan PAD Trainer

The HeartSine samaritan PAD Trainer (also called HeartSine Trainer) is a non-medical device intended to be used for the training of emergency responders in the proper use of a HeartSine samaritan PAD automated external defibrillator (AED), which is designed to operate in accordance with the latest American Heart Association (AHA) and European Resuscitation Council (ERC) guidelines. The HeartSine Trainer has no therapeutic capabilities and must not be used in real life rescue situations.

For quick and easy identification, each HeartSine Trainer has a gold face while each HeartSine AED has a navy blue/black face.

Note: To avoid confusion in the event of a real-life rescue, do not store or leave the HeartSine Trainer near a HeartSine AED

If the CPR guidelines change, software will be available to upgrade the HeartSine Trainer to comply with the updated guidelines. In this case, please contact your Authorized Distributor or HeartSine Technologies directly.

When turned on, the HeartSine Trainer will play audible voice prompts with accompanying visual indicators. As an instructor, you can control the HeartSine Trainer using the included remote control.

You may need to replace some of the accessories from time to time. For a list of replacement accessories, please see the HeartSine Trainer Family brochure or contact your Authorized Distributor.

Recommended training

HeartSine recommends that responders who may use one of its defibrillators should be trained in cardiopulmonary resuscitation (CPR) and in the use of an AED (CPR-D). The HeartSine Trainer is intended to be used by approved CPR-D training providers for this purpose.

CPR Rate Advisor (HeartSine SAM 450P Trainer)

The CPR Rate Advisor feature, available only on the HeartSine samaritan PAD 450P, provides feedback to the rescuer on the rate of the CPR they are providing to the patient. SAM 450P uses impedance cardiogram measurements to analyze the rate of compressions and provide the student with instruction to "Push faster," or "Push slower," or to continue to provide compressions according to the AHA/ERC resuscitation guidelines ("Good speed"). SAM 450P uses both audible and visual feedback to give the rescuer instruction on CPR rate.

The instructor can simulate and control the CPR Rate Advisor function using the remote control. The HeartSine SAM 450P Trainer will initially assume correct compressions are being performed and play the audible prompt: "Good speed." Training instructors should observe the CPR being provided by the student and, based on observations, press the appropriate CPR Rate Advisor buttons.

Get to know your HeartSine Trainer

HeartSine SAM 350P Trainer layout

Data port
Remove blue cover and plug in custom USB data cable to program the HeartSine Trainer.

Attach Pads icon/Action arrows
Attach electrode pads to patient's bare chest as indicated when the action arrows are flashing.

Shock button
Press to simulate delivery of a therapeutic shock.

Do Not Touch icon/Action arrows
Do not touch the patient when the action arrows above this icon are flashing. This simulates how SAM 350P analyzes patient's heart rhythm or is about to charge in preparation to deliver a shock.

On/Off button
Press to turn on or off the HeartSine Trainer.

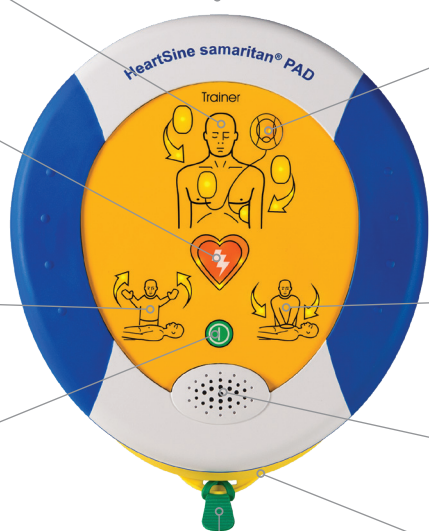**Green tab**
Pull this tab to release the electrode pads.

Power port
Plug in power cable to charge the HeartSine Trainer battery.

Battery charge status LED
Flashes red to indicate the battery is charging.

Status indicator
The HeartSine Trainer is ready for use when this indicator is flashing green when turned on. If flashing red, charge the HeartSine Trainer.

Safe to Touch icon/Action arrows
You may touch the patient when these action arrows are flashing.

Speaker
Listen for metronome and verbal prompts.

Trainer-Pak
Contains the electrode pads.

HeartSine SAM 360P Trainer layout

Data port
Remove blue cover and plug in custom USB data cable to program the HeartSine Trainer.

Attach Pads icon/Action arrows
Attach electrode pads to patient's bare chest as indicated when the action arrows are flashing.

Shock indicator
Flashes to simulate automatic delivery of a shock.

Do Not Touch icon/Action arrows
Do not touch the patient when the action arrows above this icon are flashing. This simulates how SAM 360P analyzes patient's heart rhythm or is about to charge in preparation to deliver a shock.

On/Off button
Press to turn on or off the HeartSine Trainer.

Green tab
Pull this tab to release the electrode pads.

Power port
Plug in power cable to charge the HeartSine Trainer battery.

Battery charge status LED
Flashes red to indicate the battery is charging.

Status indicator
The HeartSine Trainer is ready for use when this indicator is flashing green when turned on. If flashing red, charge the HeartSine Trainer.

Safe to Touch icon/Action arrows
You may touch the patient when these action arrows are flashing.

Speaker
Listen for metronome and verbal prompts.

Trainer-Pak
Contains the electrode pads.

HeartSine SAM 450P Trainer layout

Data port
Remove blue cover and plug in custom USB data cable to program the HeartSine Trainer.

Attach Pads icon/Action arrows
Attach electrode pads to patient's bare chest as indicated when the action arrows are flashing.

Shock button
Press to simulate delivery of a therapeutic shock.

CPR Rate Advisor indicator
Provides visual feedback about the rate of chest compressions during CPR.

Do Not Touch icon/Action arrows
Do not touch the patient when the action arrows above this icon are flashing. This simulates how SAM 450P analyzes patient's heart rhythm or is about to charge in preparation to deliver a shock.

Green tab
Pull this tab to release the electrode pads.

Power port
Plug in power cable to charge the HeartSine Trainer battery.

Battery charge status LED
Flashes red to indicate the battery is charging.

Status indicator
The HeartSine Trainer is ready for use when this indicator is flashing green when turned on. If flashing red, charge the HeartSine Trainer.

Safe to Touch icon/Action arrows
You may touch the patient when these action arrows are flashing.
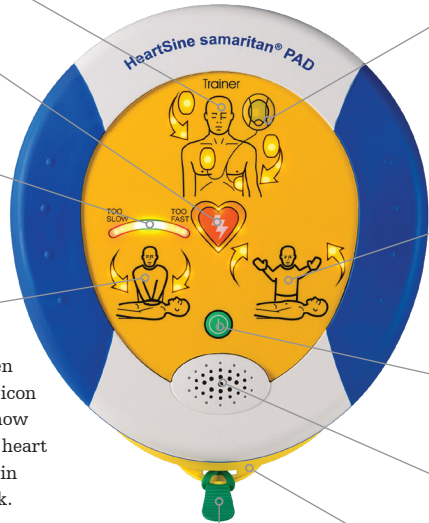
On/Off button
Press to turn on or off the HeartSine Trainer.

Speaker
Listen for metronome and verbal prompts.

Trainer-Pak
Contains the electrode pads.

Trainer-Pak

Each HeartSine Trainer comes with a Trainer-Pak installed and two pairs of additional training electrode pads. The Trainer-Pak includes one pair of training electrode pads, which can be replaced after multiple uses. See Replace electrode pads on page 28.

Training electrode pads

Green tab
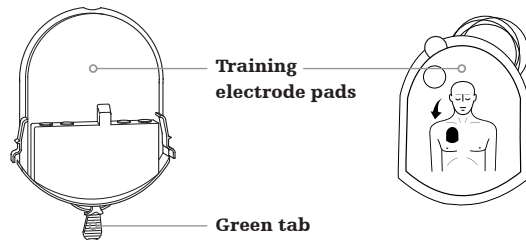
Note: You should ensure that the Trainer-Pak is installed before using the HeartSine Trainer
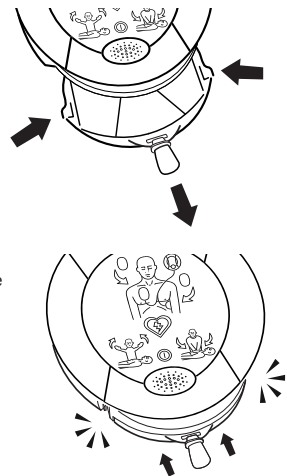
You will not need to remove the Trainer-Pak to use or maintain the HeartSine Trainer. However, if the need arises to remove and/or install the Trainer-Pak, follow these steps.

Remove the Trainer-Pak
- Place HeartSine Trainer face up on a table or other flat surface
- Squeeze the tab on each side of the Trainer-Pak
- Pull to remove Trainer-Pak from the AED; it will slide forward

Install the Trainer-Pak
- Place the HeartSine Trainer face up on a flat surface
- Slide the Trainer-Pak into the HeartSine Trainer until you hear the "double click" to indicate that the tabs on the right and left side of the Trainer-Pak are fully engaged

HeartSine SAM 350P Trainer remote control

Volume control

Press + to increase the volume and – to decrease the volume. (Four volume settings are available: low, medium, high and max.)
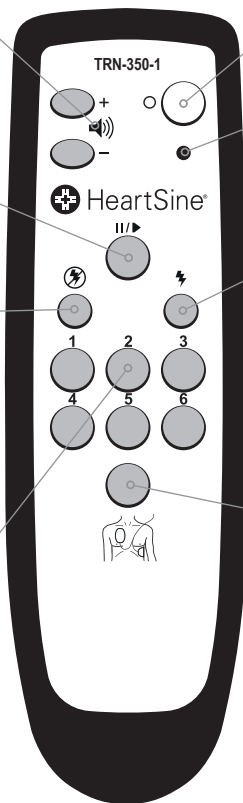
Pause/Play button

Press once to pause and a second time to resume the training scenario.

No Shock Required button

Press to override the selected training scenario and simulate a non-shockable rhythm. Each subsequent analysis period will advise no shock to be delivered until either the HeartSine Trainer is turned off or you press the Shock Required button.

Training Scenario buttons (1-6)

Press a numbered button to change to that training scenario. The selected training scenario will continue to play until another training scenario is selected. (The HeartSine Trainer comes with six preprogrammed training scenarios. See Training Scenarios.)

Off button

Press to turn off the HeartSine Trainer.

Low battery indicator

Flashes red two times after a button is pressed to indicate the two AAA batteries need to be replaced.

Shock Required button

Press to override the selected training scenario and simulate a shockable rhythm. Each subsequent analysis period will advise a shock to be delivered until either the HeartSine Trainer is turned off or you press the No Shock Required button.

Attach Electrode Pads button

Press to play the "Check pads" prompt indicating the student should check that the pads are placed correctly. The HeartSine Trainer will continue to play prompt until you press the Attach Electrode Pads button again.

TRN-350-1

HeartSine SAM 360P Trainer remote control

Volume control

Press + to increase the volume and – to decrease the volume. (Four volume settings are available: low, medium, high and max.)
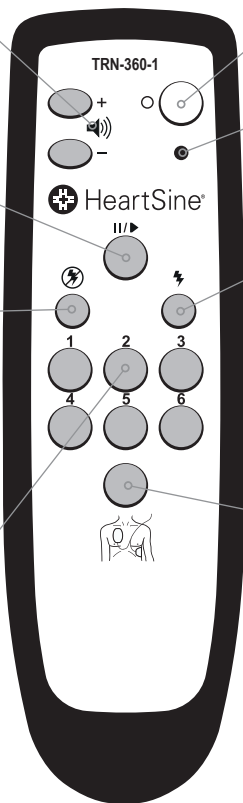
Pause/Play button

Press once to pause and a second time to resume the training scenario.

No Shock Required button

Press to override the selected training scenario and simulate a non-shockable rhythm. Each subsequent analysis period will advise no shock to be delivered until either the HeartSine Trainer is turned off or you press the Shock Required button.

Training Scenario buttons (1-6)

Press a numbered button to change to that training scenario. The selected training scenario will continue to play until another training scenario is selected. (The HeartSine Trainer comes with six preprogrammed training scenarios. See Training Scenarios.)

Off button

Press to turn off the HeartSine Trainer.

Low battery indicator

Flashes red two times after a button is pressed to indicate the two AAA batteries need to be replaced.

Shock Required button

Press to override the selected training scenario and simulate a shockable rhythm. Each subsequent analysis period will advise a shock to be delivered until either the HeartSine Trainer is turned off or you press the No Shock Required button.

Attach Electrode Pads button

Press to play the "Check pads" prompt indicating the student should check that the pads are placed correctly. The HeartSine Trainer will continue to play prompt until you press the Attach Electrode Pads button again.

TRN-360-1

HeartSine SAM 450P Trainer remote control with CPR Rate Advisor buttons

Rate control buttons

If the student's compressions are too fast, press + once to change the CPR Rate Advisor indicator to amber (right side). If the student's compressions remain slow, press this button a second time to play the prompt "Push slower" and change the CPR Rate Advisor indicator to red (right side). The "Push slower" prompt will continue to play until you press a different rate control button.

If the student's compression rate is within the correct range, press this Thumbs Up button to play the prompt "Good speed" and to change the CPR Rate Advisor indicator to green.

If the student's compressions are too slow, press – once to change the CPR Rate Advisor indicator to amber (left side). Press a second time to play the prompt "Push faster" and change the CPR Rate Advisor indicator to red (left side). The "Push faster" prompt will continue to play until you press a different rate control button.
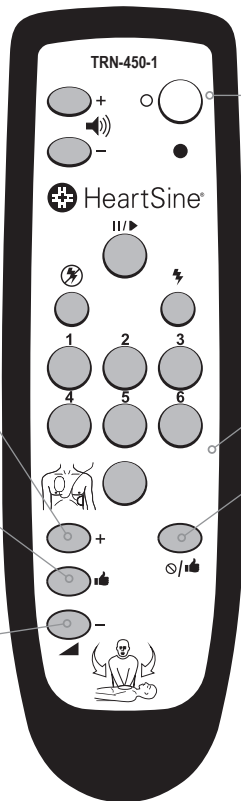
Note: See previous page for a description of all other buttons

No compressions/Good speed button

If the student is not performing compressions when prompted, press this button to play the prompt "Begin CPR" and change the CPR Rate Advisor indicator to flashing red. "Begin CPR" will continue to play until you press this button a second time.

If the student's compression rate is within the correct range, press this button again to play the prompt "Good speed" and to change the CPR Rate Advisor indicator to green.

Note: The prompt "Good speed" will play initially and will continue until you press the No compressions/Good speed button or the rate + or – button
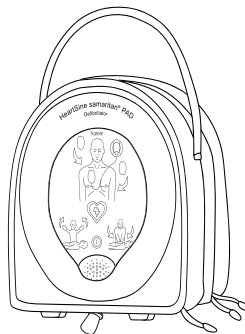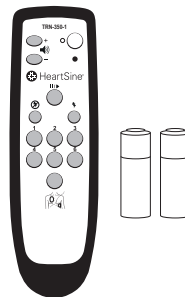
Set up your HeartSine Trainer
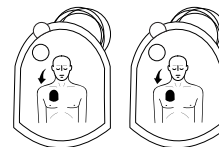
1. Unpack your HeartSine Trainer

Contents include:

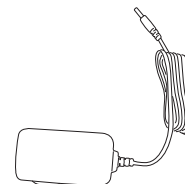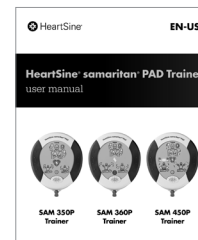HeartSine samaritan PAD Trainer with Trainer-Pak and carry case

Two additional pairs of training electrodes

Battery charger

Remote control with two AAA batteries

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2. Plug the battery charger into the power port. (When delivered, the HeartSine Trainer is only partially charged, so you will need to fully charge the battery.)

Note: If the HeartSine Trainer has insufficient charge, it will not function correctly. If the battery is low, when the HeartSine Trainer is turned on, the status indicator will flash red to indicate that charging is required. If the battery is fully depleted the device will not turn on. For full charging instructions see Batteries section of this manual
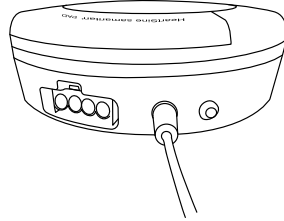
3. Place the two AAA batteries supplied with your HeartSine Trainer into the rear of the remote control.

Note: Do not press any buttons while inserting the batteries into the remote control as this will reset the remote control ID
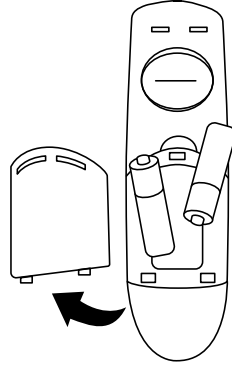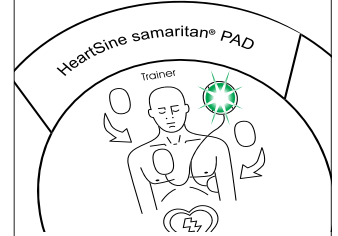
4. Press the On/Off button on the HeartSine Trainer to turn it on.

- Listen for the voice prompts to ensure the HeartSine Trainer is functioning properly
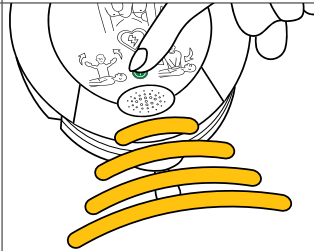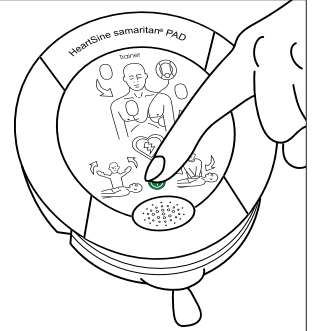
5. Verify that the status indicator is blinking green to indicate the HeartSine Trainer is ready for use.
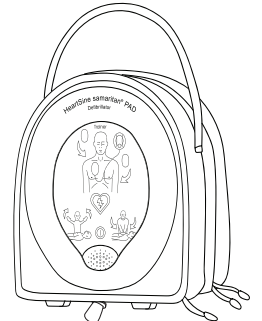
6. Press the On/Off button or press the Off button on the remote control to turn off the HeartSine Trainer.

7. Store your HeartSine Trainer in the carry case when it's not being used.

- Place the remote control, battery charger, spare electrode pads and user manual into the zippered compartment on the rear of the carry case

Use your HeartSine Trainer

The HeartSine Trainer enables training on the use of HeartSine samaritan AEDs, which are designed to operate in accordance with the latest American Heart Association (AHA) and European Resuscitation Council (ERC) guidelines.
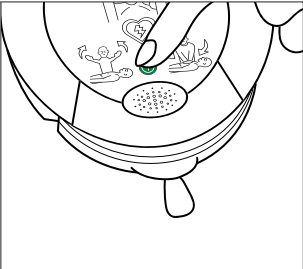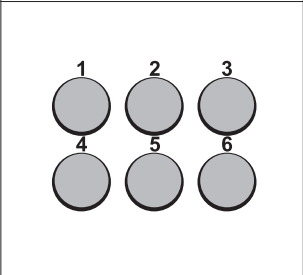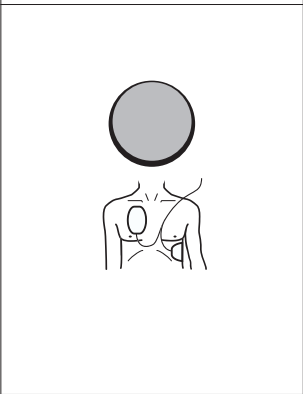
There are six preprogrammed training scenarios available on each HeartSine Trainer. The steps for each training scenario are provided in this section. As an instructor, you can use the remote control to manually control the scenario; at any time you can override the training scenario by pressing the Shock Required, No Shock Required and/or Attach Electrode Pads buttons. For the HeartSine SAM 450P Trainer, you also can use the remote control to provide CPR Rate Advisor feedback on the student's rate of compressions.

See Training scenarios on page 22 for a description of each training scenario.

Notes:

- By default, the HeartSine Trainer will function in training scenario 1 until the default setting is changed using the HeartSine Trainer Configuration Tool or a different training scenario is selected on the remote control. If a different scenario is selected using the remote control or HeartSine Trainer Configuration Tool, the last used training scenario will be played each time the HeartSine Trainer is turned on

- The HeartSine Trainer will automatically turn off after fifteen minutes if the device is not being used

Instructor

1. Press the On/Off button to turn on the HeartSine Trainer.	
2. From the remote control, press a training scenario button (1-6) to select a training scenario. (See Training scenarios for a description of each scenario.)	
3. If you have selected training scenario 1, 2, 5 or 6, after the student places the pads, press the Attach Electrode Pads button to proceed. OR If you have selected training scenario 3, after you hear the last prompt in monitor mode ("Analyzing, do not touch the patient"), press the Attach Electrode Pads button to proceed.	

Instructor

4. During any of the training scenarios, press any of these buttons to change the prompts provided:

    • Press No Shock Required button to override the selected training scenario and simulate a non-shockable rhythm. (Each subsequent analysis period will advise no shock to be delivered until either the HeartSine Trainer is turned off or you press the Shock Required button)

    • Press Shock Required button to override the selected training scenario and simulate a shockable rhythm. (Each subsequent analysis period will advise a shock to be delivered until either the HeartSine Trainer is turned off or you press the No Shock Required button)

    • Press a numbered button to change to that training scenario. (The selected training scenario will continue to play until another training scenario is selected)

    • Press Attach Electrode Pads button to play the "Check pads" prompt indicating the student should check that the pads are placed correctly. (The HeartSine Trainer will continue to play prompt until you press the Attach Electrode Pads button again)
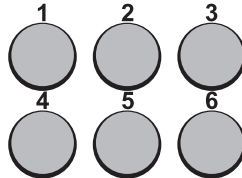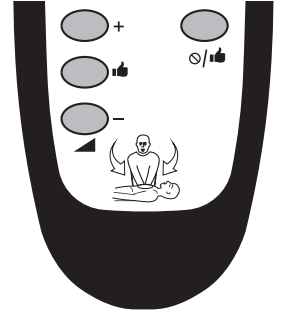
Instructor

5. While the student is performing CPR, press any of these buttons to play CPR Rate Advisor prompts **(HeartSine SAM 450P Trainer only)**:

    • If the student is not performing compressions when prompted, press the No compressions/Good speed button once to play the prompt "Begin CPR" and change the CPR Rate Advisor indicator to flashing red

    • If the student is performing compressions after being prompted to stop compressions, press the No compressions/Good speed button a second time to play the prompt "Stop CPR"

    • If the student's compressions are too fast, press Rate + button to play the prompt "Push slower"

    • If the student's compressions are too slow, press Rate – button to play the prompt "Push faster"

    • If the student's compression rate is within the correct range, press the Rate Thumbs Up button to play the prompt "Good speed"

    Note: The prompt "Good speed" will play initially and will continue until you press the No compressions/Good speed button or the rate + or – button
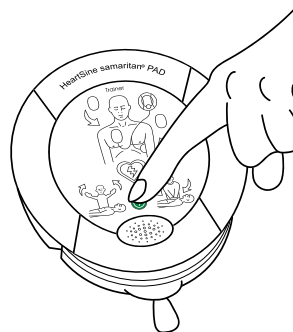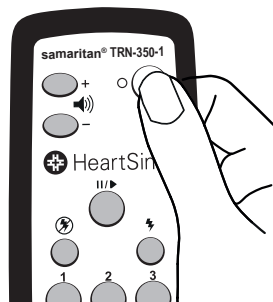
Instructor

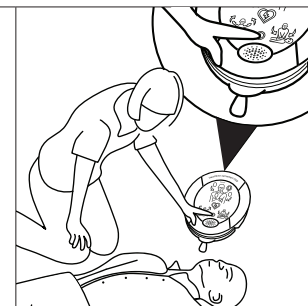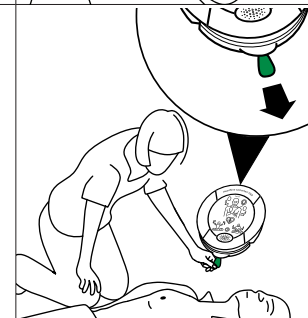|	
6. At any time, press the Pause/Play button to pause or play the training scenario. (Push once to pause and a second time to resume the training scenario.)	
7. Press the Off button on the remote control or On/Off button to turn off the HeartSine Trainer.	

Student

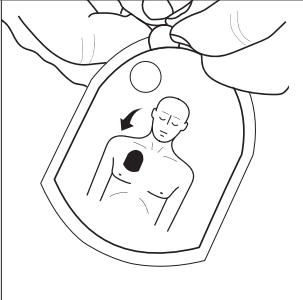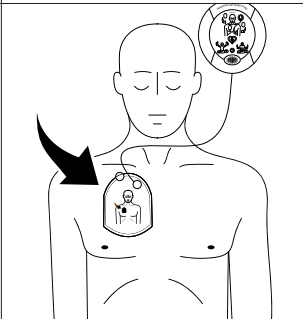|	
1. Place the HeartSine Trainer on the floor next to you, press the On/Off button and follow the directions.	
2. Pull green tab to remove the electrode tray from the HeartSine Trainer.	
3. Remove pads from Trainer-Pak, fully lengthening the wires.	
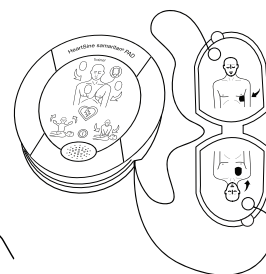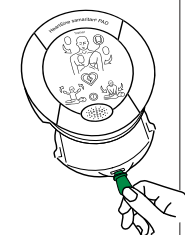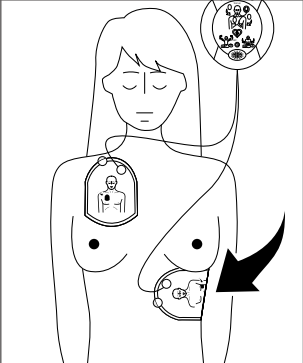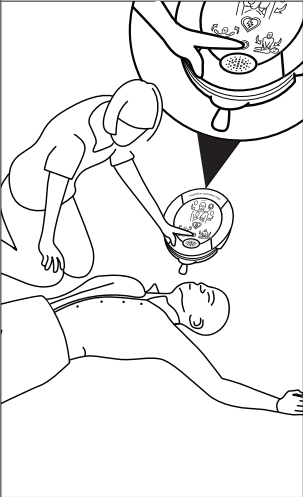
Student

4. Peel first pad. • With one thumb on the liner and one thumb on the pad, peel the first pad from the plastic liner	
5. Place first pad. • Place the first pad as shown in picture	
6. Peel second pad. • With one thumb on the liner and one thumb on the pad, peel the second pad from the plastic liner	

Student

7. Place second pad. • Place the second pad as shown in picture **Note:** After you have placed pads on the person's chest, if you continue to hear the prompt "Check pads. Press pads firmly to patient's bare skin," check that: • Pads are placed correctly as shown in the pictures • Pads are not touching and at least 1 inch apart • Entire surface of each pad is stuck to bare skin	
8. Follow the prompts.	
9. When finished, press the On/Off button to turn off the HeartSine Trainer.	

Training scenarios

Training scenario descriptions

Step	Training scenario 1	Training scenario 2	Training scenario 3
Training scenario description	Shock advised condition followed by no shock advised condition	No shock advised condition followed by shock advised condition	Assumes pads are attached After analyzing, prompts to check pads After pads are checked, shock advised condition followed by no shock advised condition
1	Setup mode	Setup mode	Monitor mode
2	Instructor intervention	Instructor intervention	Check pads
3	Monitor mode	Monitor mode	Instructor intervention
4	Shock advised	No shock advised	Monitor mode
5	CPR mode	CPR mode	Shock advised
6	Monitor mode	Monitor mode	CPR mode
7	No shock advised	Shock advised	Monitor mode
8	CPR mode	CPR mode	No shock advised
9	Repeat steps 6-8 until HeartSine Trainer is turned off	Repeat steps 6-8 until HeartSine Trainer is turned off	CPR mode
10	N/A	N/A	Repeat steps 4 to 9 until HeartSine Trainer is turned off

Step	Training scenario 4	Training scenario 5	Training scenario 6
Training scenario description	Assumes pads are attached Two shock advised conditions, followed by no shock advised condition	Shock advised condition followed by no shock advised condition CPR mode calls for rescue breaths	No shock advised condition followed by shock advised condition CPR mode calls for rescue breaths
1	Monitor mode	Setup mode	Setup mode
2	Shock advised	Instructor intervention	Instructor intervention
3	CPR mode	Monitor mode	Monitor mode
4	Monitor mode	Shock advised	No shock advised
5	Shock advised	CPR mode*	CPR mode*
6	CPR mode	Monitor mode	Monitor mode
7	Monitor mode	No shock advised	Shock advised
8	No shock advised	CPR mode*	CPR mode*
9	CPR mode	Repeat steps 6-8 until HeartSine Trainer is turned off	Repeat steps 6-8 until HeartSine Trainer is turned off
10	Repeat steps 4 to 9 until HeartSine Trainer is turned off	N/A	N/A

* CPR mode calls for rescue breaths in this scenario.

Mode descriptions

For each training scenario the list of prompts and required activity for each mode are provided here:

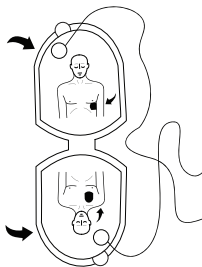| Mode	Prompts	Activity
Check pads	"Check pads." "Press pads firmly to patient's bare skin."	• Student follows prompts
CPR	"Begin CPR." "It is safe to touch the patient." "Place overlapping hands in middle of chest." "Press directly down on the chest in time with metronome." "Remain calm." "Good speed." (SAM 450P) Metronome "Press faster." (SAM 450P) "Press slower." (SAM 450P)	• Student performs compressions • Where indicated, the student performs compressions, followed by rescue breaths when the tone of the metronome changes from a lower beep to a higher tick for the duration of ten compressions • For SAM 450P, instructor can press CPR Rate Advisor control buttons to provide feedback to the student
Instructor intervention	N/A	• As soon as the student places the pads, instructor must press Attach Electrode Pads button
Monitor	"Stop CPR." (not played during first Monitor mode) "Assessing heart rhythm." "Do not touch the patient." "Analyzing, do not touch the patient."	• Student stands clear of patient

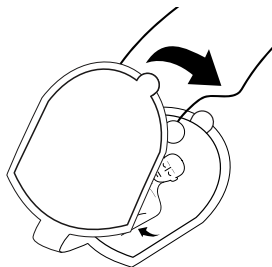| Mode	Prompts	Activity
No shock advised	"Stop CPR." (not played during first Monitor mode) "No shock advised." "Begin CPR." "It is safe to touch the patient. "Press overlapping hands in middle of chest." "Press directly down on the chest in time with metronome." "Remain calm."	• Student follows prompts
Setup	"Adult patient." "Call for medical assistance." "Remove clothing from patient's chest to expose bare skin." "Pull green tab to remove pads." "Peel pads from liner." "Apply pads to patient's bare chest as shown in picture." "Press pads firmly to patient's bare skin."	• Student follows prompts
Shock advised	"Stand clear of patient." "Shock advised." "Stand clear of patient." "Press the orange Shock button now." (SAM 350P, SAM 450P) "Stand clear of patient; shock will be delivered in 3, 2, 1." (SAM 360P) "Shock delivered."	• Student follows prompts • Student must press Shock button on SAM 350P and SAM 450P

Maintain your HeartSine Trainer

Electrodes

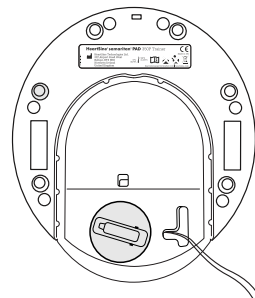### Rewind electrodes after use

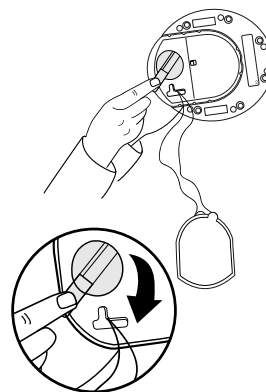|	
1. Reattach the protective liners to the back of each electrode pad.	
2. Fold the pads together so that the liner is on the outside (image facing in).	
3. Turn over the HeartSine Trainer to locate the blue rewind handle on the back of the Trainer-Pak.	

4. While holding the HeartSine Trainer with the pad wires hanging, lift and turn the blue rewind handle clockwise to retract the wires. **Note:** If the rewind mechanism locks up, you can access the rewind mechanism by inserting a flat-head screwdriver into the hole (as shown) and pushing downward to lift the yellow cover	
5. With the wires under the pads, place the pads on top of the Trainer-Pak cartridge with the tops and bottoms aligned correctly.	
6. Slide the bottom cover of the Trainer-Pak cartridge into place.	
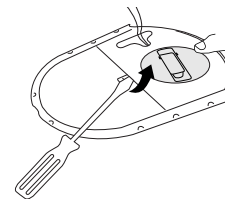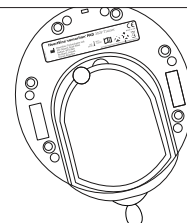
Replace electrode pads

After a large number of uses, the electrode pads may lose their stickiness. You can replace the used electrode pads with a new pair.

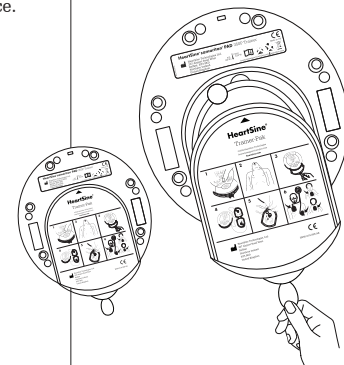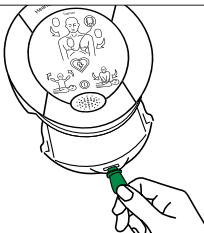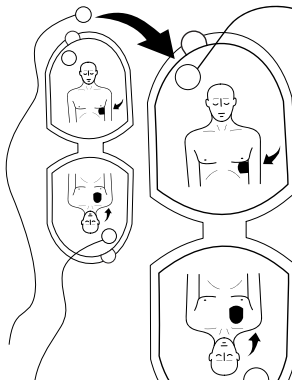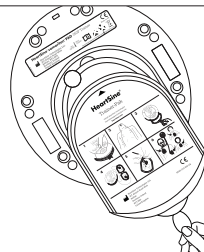|	
1. Pull the green tab on the Trainer-Pak to remove the used pair of electrodes.	
2. Detach the round Velcro button from the first used electrode pad and attach it to the Velcro on the same electrode pad in the new pair.	
3. Detach the round Velcro button from the second used electrode pad and attach it to the Velcro on the same electrode pad in the new pair.	
4. Follow steps 2 through 6 in the previous section (Rewind electrodes after use) to prepare the Trainer-Pak for use.	

Batteries

Each HeartSine Trainer contains a rechargeable battery and comes with a battery charger. It is recommended that you ensure the HeartSine Trainer is fully charged prior to beginning training activities.

When fully charged the HeartSine Trainer will provide approximately seven hours of usage before it needs to be recharged. The HeartSine Trainer will monitor the capacity of its battery and a minimum of one hour prior to the battery becoming depleted will play the following message: "Warning. Low battery." If you hear this warning you can continue to use your HeartSine Trainer for a limited time. If the battery becomes completely depleted the HeartSine Trainer will turn off. At this point, recharge the HeartSine Trainer.

Notes:

- The HeartSine Trainer must only be charged with the provided charger; use of any other charging device will nullify the warranty and may result in damage to the HeartSine Trainer

- The HeartSine Trainer and battery charger are designed for indoor use only; do not use in wet or damp environments

- There are no user serviceable parts inside your HeartSine Trainer, Trainer-Pak or battery charger. These products should not be opened. In the unlikely event of a malfunction, please immediately contact your Authorized Distributor or HeartSine Technologies support directly (heartsinesupport@stryker.com)

Charge HeartSine Trainer battery

To safely charge or recharge the HeartSine Trainer:

1. Plug the battery charger into the power port on the top of the HeartSine Trainer, ensuring the adapter is fully inserted.

2. Plug the battery charger into the mains electricity supply.

3. Charge for six hours. The Battery Charge Status LED will be red when fast charging and will flash when charging is almost complete. Once charging is complete the LED will turn off.

4. Unplug the battery charger from the HeartSine Trainer.

5. Press the On/Off button to turn on the HeartSine Trainer to ensure that the device is charged.

Note: If the HeartSine Trainer is turned on during charging, the charger should be unplugged and plugged in again to restart fast charging

Change remote control batteries

The low battery warning indicator on the remote control will flash red two times after a button on the remote control is pressed to indicate the two AAA batteries need to be replaced.

1. Remove the battery cover at the back of the remote control.

2. Remove and replace both AAA batteries.

3. Replace the battery cover.

Note: Inserting the batteries into the remote control while pressing the Off button will cause the remote control to enter pairing mode and take a new transmission ID. This will be different to the ID previously stored on the HeartSine Trainer. If this occurs, it will be necessary to complete the pairing procedure in full to pair the remote control with the HeartSine Trainer again. This should not occur during a normal battery replacement since pairing is initiated only when the Off button is also held down
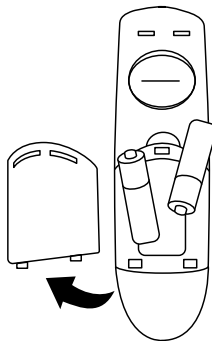
Disposal

The HeartSine Trainer is a reusable device. If maintained in accordance with the instructions in this manual it has a warranty period of two years from the date of manufacture.

The HeartSine Trainer, remote control or remote control batteries should be disposed of at an appropriate recycling facility according to national, state and local requirements. Alternatively, return the unit to your local distributor or HeartSine Technologies for disposal.

Disposal within the European Union

Do not dispose of the HeartSine Trainer as unsorted municipal waste: keep the HeartSine Trainer separate, to be reused or recycled in accordance with Directive 2002/96/EEC of the European Parliament and the Council of the European Union on Waste Electronic and Electrical Equipment (WEEE) or return it to your local distributor or HeartSine Technologies for disposal.

Configure your HeartSine Trainer

The HeartSine Trainer Configuration Tool (titled "TrainerConfig") enables you to change the default training scenario, change the volume, pair a remote control with a HeartSine Trainer, or language settings on the HeartSine Trainer. The HeartSine Trainer Configuration Tool can be downloaded at no cost from the HeartSine website (heartsine.com). However, you will need the optional HeartSine USB data cable to connect the HeartSine Trainer to your computer. Contact your Authorized Distributor or Stryker representative directly to obtain the data cable or with questions about downloading and using the HeartSine Trainer Configuration Tool.
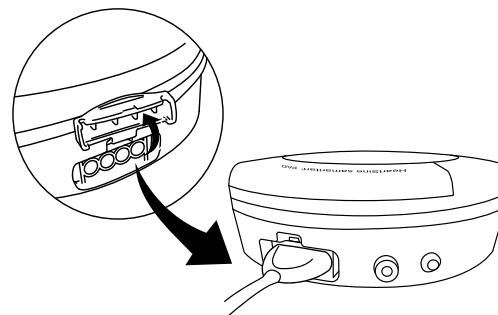
Install the HeartSine Trainer Configuration Tool

1. Download the HeartSine Trainer Configuration Tool from heartsine.com.

2. Open the zipped file.

3. Double-click to run the TrainerConfigTool_setup.exe installation program and click "Run" to open the Set-up Wizard and follow the instructions for each screen.

Note: Driver files are required to be installed on any PC to which you wish to connect the HeartSine Trainer; these files will be installed along with the HeartSine Trainer Configuration Tool

Configure your HeartSine Trainer

1. Connect the HeartSine USB cable to the data port on the HeartSine Trainer and to a USB port on the computer on which you are running the HeartSine Trainer Configuration Tool.

2. Launch the HeartSine Trainer Configuration Tool (TrainerConfig) app.

TrainerConfig

The main screen will appear:

On this screen you can see the device firmware version and the device number, which is the number assigned to the HeartSine Trainer for purposes of pairing the remote control.

3. Make your desired changes as detailed in the following sections.

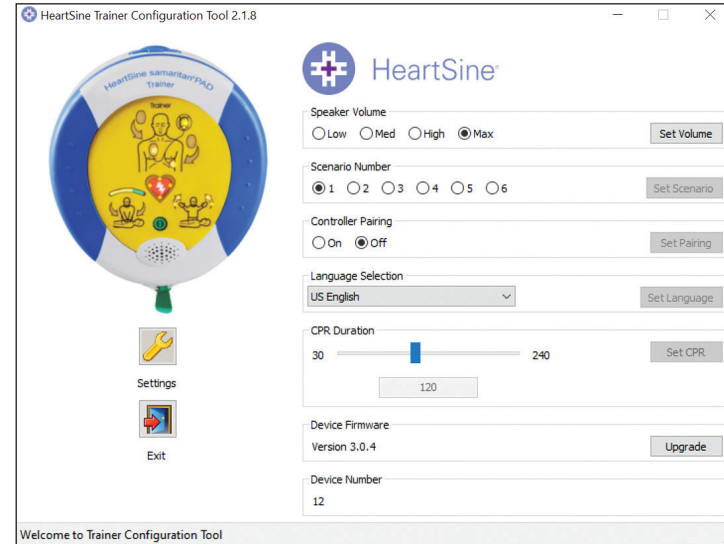**4.** Click "Exit" to close the program.

Note: HeartSine Trainer Configuration Tool will not launch unless a HeartSine Trainer is connected to your computer through the HeartSine USB cable

Change the volume

You can change the volume of the prompts and metronome on the HeartSine Trainer. When delivered, the volume of the HeartSine Trainer will be set to "Max."

1. In the Speaker Volume box, click to select the volume ("Low", "Med", "High" or "Max").

2. Click "Set Volume." The software will communicate the change to the HeartSine Trainer.

Change the training scenario

You can change the default training scenario, which will be played when the HeartSine Trainer is turned on. (Note: If the scenario is changed using the remote control, the last selected scenario will play the next time the HeartSine Trainer is turned on)

1. In the Scenario Number box, select the number of the default training scenario (1 through 6).
2. Click "Set Scenario." The software will communicate the change to the HeartSine Trainer.
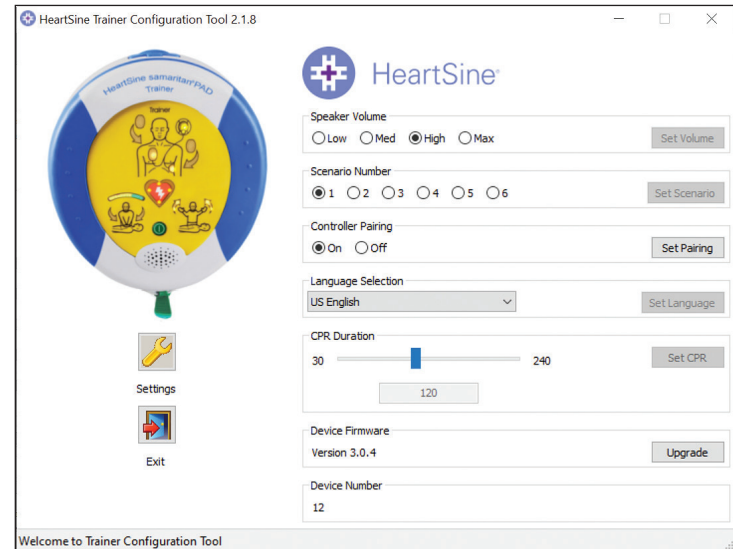

Pair a remote control with a HeartSine Trainer

Each HeartSine Trainer is assigned an identification number between 001 and 255. The remote control delivered with the HeartSine Trainer is given the same identification number. This enables two or more HeartSine Trainers to be used side by side.

In the unlikely event that two devices with the same ID number are being used at the same time, you can assign a new ID number to the HeartSine Trainer. It will be necessary to pair the device with its remote control after assigning a new ID number.

1. In the Controller Pairing box, select "On" and click "Set Pairing."

2. Unplug the USB cable and press the On/Off button to turn on the HeartSine Trainer. The LEDs on the Attach Pads icon/Action arrows on the HeartSine Trainer will light up to indicate it is in pairing mode.
3. From the remote control you wish to pair, remove the battery cover.
4. While holding down the Off button on the remote control, remove one of the AAA batteries.
5. While continuing to hold down the Off button, replace the battery. The remote control will pair with the HeartSine Trainer.

6. When you begin to hear a series of 12 beeps, release the Off button and replace the battery cover.

7. When the beeps have finished, press the Off button again. The HeartSine Trainer will turn off to indicate the pairing procedure is now complete.

Note: Inserting the batteries into the handheld remote while pressing the Off button will cause the remote control to take a new transmission ID. If this occurs when the device is not in pairing mode, you must complete the above procedure to pair the HeartSine Trainer with the remote control again

Change the language on the HeartSine Trainer

You can change the language of the prompts on the HeartSine Trainer to any one of a selection of languages.

1. In the Language Selection box, from the pull-down menu, select the language of the prompts.

2. Click "Set Language." A progress bar will appear to indicate the status of the programming while the software communicates the change to the HeartSine Trainer.
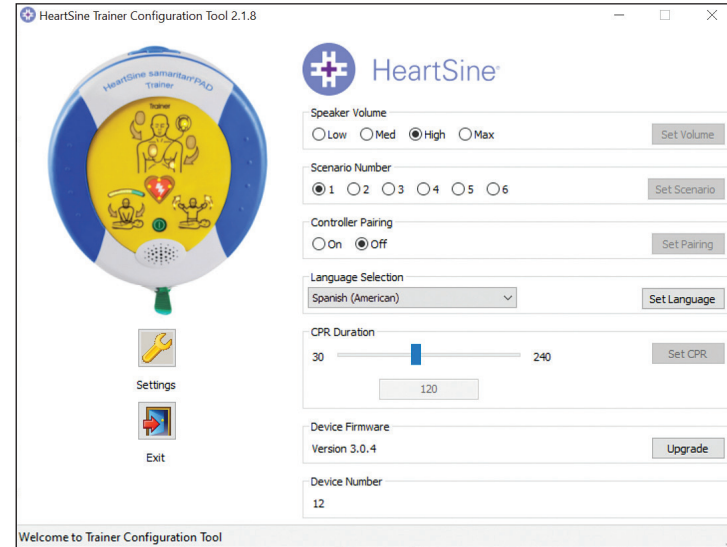

3. When the Programming Successful pop-up appears, click "OK." The language on your HeartSine Trainer has been updated.

Change the CPR duration

You can change the duration of the CPR periods within the training scenarios, to between 30 and 240 seconds.

1. In the CPR Duration box, move the slider to the number of seconds you wish to set for the CPR period (30 to 240). The selected number will appear in the box below.
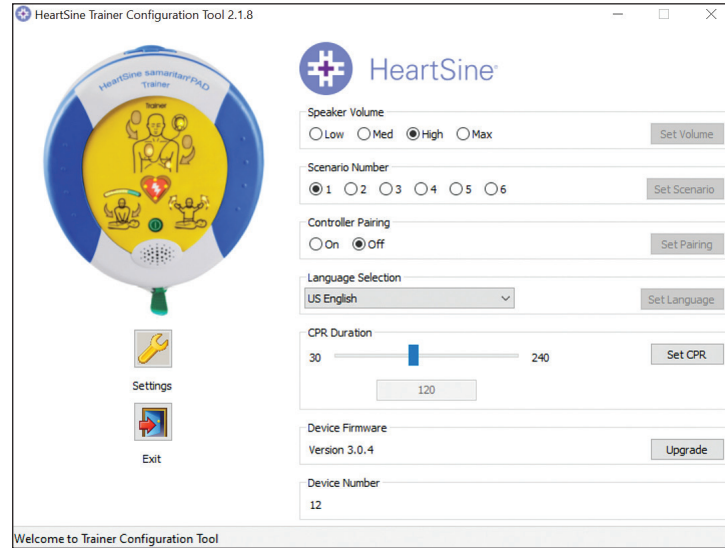
2. Click "Set CPR."

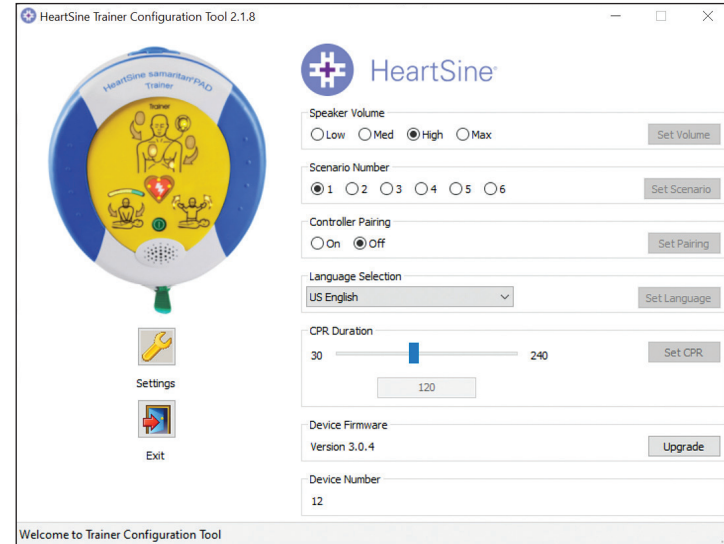### Upgrade the device firmware

You can upgrade the firmware (software) on your HeartSine Trainer to the latest version. Be sure to download the latest Trainer Configuration Tool software from the HeartSine website (heartsine.com).

1. In the Device Firmware box, click "Upgrade."

2. While the firmware is updated, the Programming status bar will appear, followed by the Programming Successful confirmation.
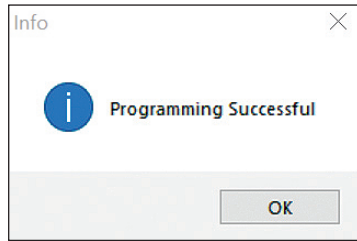
3. Click "OK" to continue.

Configure the HeartSine Trainer Configuration Tool

Within Settings, you can change the language used for the HeartSine Trainer Configuration Tool and enable or disable the HeartSine Trainer from receiving automatic updates.

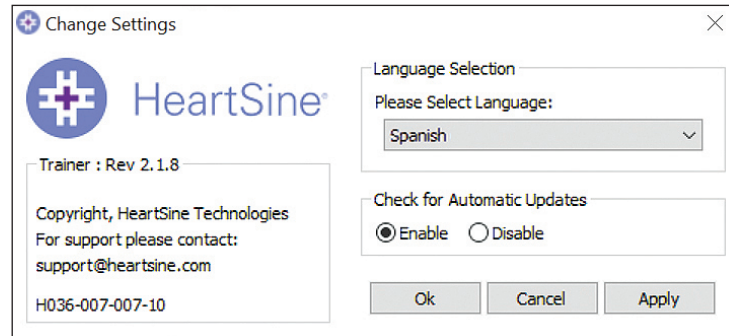### Change the language of the HeartSine Trainer Configuration Tool

1. Click "Settings" to open the Settings dialog box.
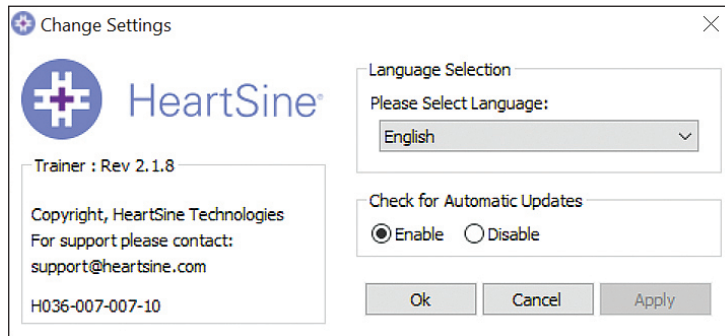
2. From the pull-down menu, select the language.

3. Click "Apply". A dialog box will appear to indicate that the application will be restarted for the changes to take effect.
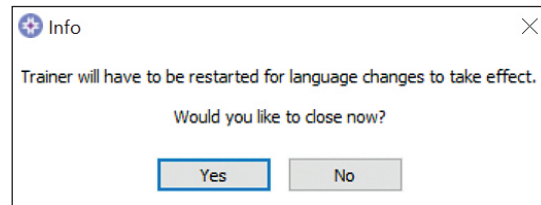
4. Click "Yes" to close the application.

**5.** If needed, restart the program.

Disable automatic updates

The current revision of device software will be contained within the software you downloaded from the HeartSine website. If enabled, you will receive a message when you open the HeartSine Trainer Configuration Tool app to indicate a later version of software is available, and you will be directed to the HeartSine website where you can download the latest version. You can disable the message notification.

1. Click "Settings" to open the Settings dialog box.
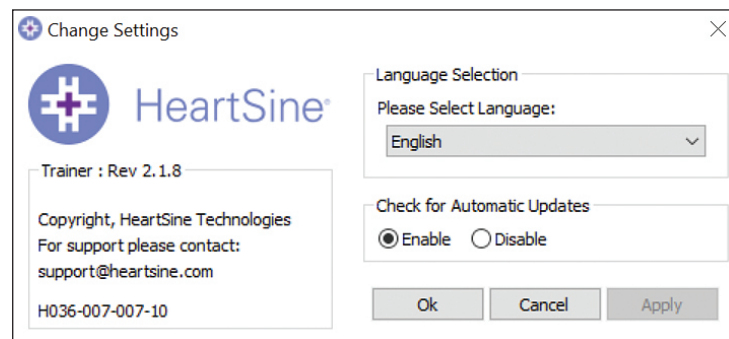
2. In the Check for Automatic Updates box, click "Disable" and click "OK."
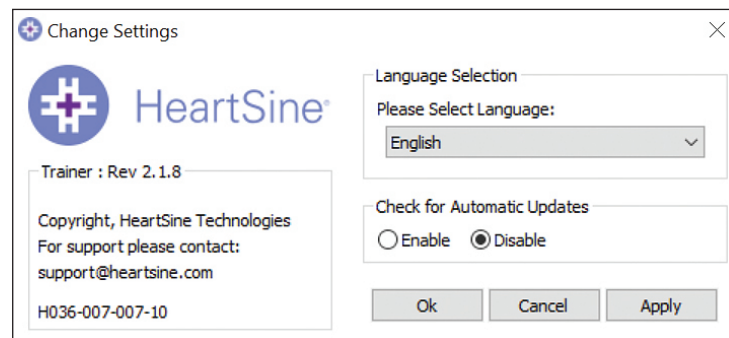
What is covered?

Stryker provides to the original end user a limited warranty that all HeartSine products that are purchased in the United States from a distributor, sub-distributor, person or entity authorized by Stryker ("Authorized Agents") are substantially free from defects in material and workmanship. This limited warranty applies only to the original end user and may not be assigned or transferred. An original end user is one who is able to provide proof of purchase from Stryker or an Authorized Agent. Persons who are not original end users take the products "as is" and with all faults. Please be prepared to provide proof of purchase demonstrating that you are the original end user and eligible to make a valid claim under this warranty. If you are not sure if the distributor, sub-distributor, person or entity from whom you purchased any HeartSine samaritan products is authorized by Stryker please contact Customer Support at 800 442 1142 or heartsinesupport@stryker.com.

For how long?

HeartSine warrants, from the date of the sale to the original end user the HeartSine samaritan PAD Trainer for a period of two (2) years. Products with a stated expiration date are warranted until such expiration date.

Limited warranty does not cover:

This limited warranty does not cover defects or damages of any sort resulting from, but not limited to, accidents, damage while in transit to our service location, alterations, unauthorized service, unauthorized product case opening, failure to follow instructions, improper use, improper or inadequate maintenance, abuse, neglect, fire, flood, war or acts of God. We do not warrant your HeartSine products to be compatible with any other medical devices.

This limited warranty is void if:

You purchased any HeartSine products from anyone other than an Authorized Agent; your HeartSine product is serviced or repaired by anyone other than Stryker; your HeartSine product is opened by unauthorized personnel or if a product is not used in accordance with the "Instructions for Use" and the "Indications for Use" provided with your product; your HeartSine product is used in conjunction with incompatible parts or accessories, including, but not limited to batteries. Parts and accessories are not compatible if they are not HeartSine products.

What you should do:

As the original end user you should return the completed postage-paid warranty registration card within 30 days of original purchase to HeartSine Technologies, Ltd. at the address provided on the card. If you wish to mail the warranty card in a stamped envelope, please use the following address:

HeartSine Technologies, Ltd.
PO Box 1297
Newtown, PA 18940-0874

Appendix A Limited warranty statement

Notes

Or register online using the Warranty Registration link on our website heartsine.com. To obtain warranty service for your HeartSine product, contact your local Stryker Authorized Agent or call Customer Support on 800 442 1142. Our technical representative will try to resolve your issue over the phone. If necessary, and at our sole discretion, we will arrange for service or a replacement of your HeartSine product. You must not send back any product without our authorization.

What we will do:

If your HeartSine product contains defects in material or workmanship and it is returned, at the direction of a technical service representative, within the warranty period, we, at our sole discretion, will repair your product or replace it with a new or reconditioned product of the same or similar design. The repaired or reconditioned product will be warranted subject to the terms and conditions of this limited warranty for either (a) 90 days or (b) the remainder of the original warranty period, whichever is longer, provided the warranty applies and the warranty period has not expired.

If our inspection does not detect any defects in material or workmanship of your HeartSine product, regular service charges will apply.

Obligations and limitation of liability:

THE FOREGOING LIMITED WARRANTY IS IN LIEU OF AND SPECIFICALLY EXCLUDES AND REPLACES ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

NO PERSON (INCLUDING ANY AGENT, DEALER, OR REPRESENTATIVE OF Stryker) IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING HEARTSINE PRODUCTS, EXCEPT TO REFER TO THIS LIMITED WARRANTY.

YOUR EXCLUSIVE REMEDY WITH RESPECT TO ANY AND ALL LOSSES OR DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER SHALL BE AS SPECIFIED ABOVE. Stryker SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, EXEMPLARY DAMAGES, PUNITIVE DAMAGES, COMMERCIAL LOSS FROM ANY CAUSE, BUSINESS INTERRUPTION OF ANY NATURE, LOSS OF PROFITS OR PERSONAL INJURY OR DEATH EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITIES OF SUCH DAMAGES, HOWEVER OCCASIONED, WHETHER BY NEGLIGENCE OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Notes

heartsine.com

For further information contact us at heartsinesupport@stryker.com or visit our website at heartsine.com

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CE

Manufactured by:

HeartSine Technologies, Ltd.
207 Airport Road West
Belfast
Northern Ireland
BT3 9ED
United Kingdom
Tel +44 28 9093 9400
Fax +44 28 9093 9401
heartsinesupport@stryker.com
heartsine.com

Distributed in U.S. by:

Stryker Emergency Care
11811 Willows Road NE
Redmond, WA, 98052 U.S.A.
Toll free 800 442 1142
strykeremergencycare.com