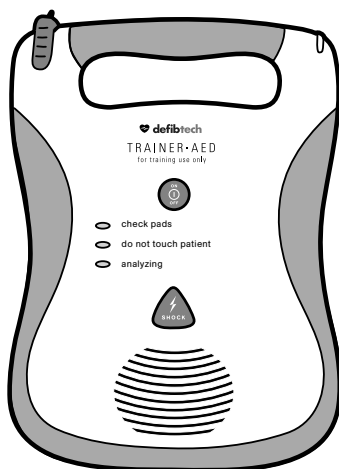


# Defibtech DDU-100 Series Trainer AED



## User Manual

## **Notices**

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Information in this document is subject to change without notice. Names and data used in the examples are fictitious unless otherwise noted.

## **Limited Warranty**

The information in the Defibtech AED User Manual does not constitute any warranty as to the Defibtech AED or any related products. The "Limited Warranty" shipped with Defibtech AED products serves as the sole and exclusive warranty provided by Defibtech L.L.C. with respect to these products.

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# Contents

<b>1</b>	<b>Introduction to the Defibtech DDU-100 Series Trainer AED ..</b>	<b>5</b>
<b>2</b>	<b>Safety Information .....</b>	<b>5</b>
<b>2.1</b>	<b>Warnings .....</b>	<b>6</b>
<b>2.2</b>	<b>Cautions .....</b>	<b>7</b>
<b>3</b>	<b>Training Components .....</b>	<b>8</b>
<b>3.1</b>	<b>Trainer AED Unit .....</b>	<b>8</b>
<b>3.2</b>	<b>DBP-RCx Series Training Battery Pack.....</b>	<b>8</b>
<b>3.3</b>	<b>DTR-4xx Series Remote Control .....</b>	<b>9</b>
<b>3.4</b>	<b>Training Pads.....</b>	<b>9</b>
<b>4</b>	<b>Accessories .....</b>	<b>9</b>
<b>5</b>	<b>Training Scenarios .....</b>	<b>10</b>
<b>5.1</b>	<b>Trainer AED Modes (Semi-Automatic and Fully Automatic).....</b>	<b>10</b>
<b>5.2</b>	<b>Configuring the Trainer AED Mode (Semi-Automatic or Fully Automatic).....</b>	<b>10</b>
<b>5.3</b>	<b>Available Scenarios .....</b>	<b>11</b>
<b>5.4</b>	<b>The Default Training Scenario.....</b>	<b>11</b>
<b>5.5</b>	<b>Programming the Default Scenario .....</b>	<b>12</b>
5.5.1	<i>Programming the Default Scenario without the Remote Control .....</i>	<i>12</i>
5.5.2	<i>Programming the Default Scenario with the Remote Control.....</i>	<i>12</i>
<b>6</b>	<b>Remote Control Commands .....</b>	<b>13</b>
<b>7</b>	<b>Using the Remote Control with Multiple Trainer AEDs.....</b>	<b>14</b>
<b>7.1</b>	<b>Assigning Unique Names to Trainer AEDs .....</b>	<b>14</b>
<b>7.2</b>	<b>Removing Unique Names from Trainer AEDs.....</b>	<b>14</b>
<b>8</b>	<b>Maintenance and Troubleshooting .....</b>	<b>15</b>
<b>8.1</b>	<b>Routine Maintenance .....</b>	<b>15</b>
<b>8.2</b>	<b>Cleaning .....</b>	<b>15</b>
<b>8.3</b>	<b>Storage.....</b>	<b>16</b>
<b>8.4</b>	<b>Troubleshooting.....</b>	<b>16</b>
<b>8.5</b>	<b>Repair .....</b>	<b>17</b>
<b>8.6</b>	<b>Recycling Information.....</b>	<b>17</b>
<b>8.7</b>	<b>Notice to European Union Customers .....</b>	<b>17</b>

**9 Technical Specifications ..... 18**

- 9.1 General..... 18**
- 9.2 Environmental..... 18**
- 9.3 Training Battery Pack ..... 19**
- 9.4 AC Adapter ..... 19**

**10 Electromagnetic Conformity .....20**

- 10.1 Guidance and Manufacturer’s Declaration .....20**
- 10.2 Electromagnetic Emissions .....20**
- 10.3 Electromagnetic Immunity.....20**
- 10.4 Regulatory Compliance .....22**

**11 Glossary of Symbols ..... 24**

**12 Contacts .....26**

*This User Manual provides information and operational instructions specific to DDU-100 Series Trainer AEDs. For comprehensive information about DDU-100 Series rescue AEDs, please refer to the DDU-100 Series AED User Manual at [www.defibtech.com](http://www.defibtech.com).*

# 1 Introduction to the Defibtech DDU-100 Series Trainer AED

The DDU-100 Series "**Trainer AED**" is a dedicated training AED that is externally similar to a fully-functional Defibtech DDU-100 Series AED.\*

The main unit has bright red overmolding to clearly distinguish it as a training device. The training pads and battery for use with the Trainer AED have red packaging and labels to distinguish them as being for training use only.



## WARNING

The Trainer AED and training accessories cannot be used to defibrillate patients.

A Remote Control is provided with the Trainer AED which allows the instructor to control training exercises and functions from a distance.



## WARNING

Do not store the Trainer AED or training accessories with a rescue AED or rescue accessories. The Trainer AED and training accessories cannot provide therapy.

## 2 Safety Information

This chapter includes a list of warning and caution messages that relate to the Trainer AED and its accessories. Many of these messages are repeated elsewhere in this User Manual and on the Trainer AED or accessories. The list is presented within this chapter for convenience.

**WARNING:** Conditions, hazards, or unsafe practices that may result in serious personal injury or death.

**CAUTION:** Conditions, hazards, or unsafe practices that may result in minor personal injury, damage to the Trainer AED, or loss of data.

---

\* Essential performance.

## 2.1 Warnings



### **WARNING**

The Trainer AED and training accessories cannot be used to defibrillate patients.



### **WARNING**

All training instructors must read these instructions for use before using the Trainer AED.



### **WARNING**

Do not use in the presence of flammable gases or anesthetics.



### **WARNING**

Only use the provided AC Adapter to charge the Training Battery Pack. Using other AC adapters may cause unsafe conditions.



### **WARNING**

Do not charge a battery pack which is damaged, discolored or has leakage. It may cause overheating, explosion or fire.



### **WARNING**

Do not cover up the Trainer AED when it is in use.



### **WARNING**

If the Trainer AED, Battery Pack, and/or AC Adapter becomes too hot to touch or otherwise appears faulty, immediately disconnect the power cord from the AC outlet, attach a "Do not use" or "To be repaired" label to the item(s) and contact your local distributor or Defibtech representative.



### **WARNING**

Do not overcharge the Trainer AED Battery Pack.



### **WARNING**

Do not store the Trainer AED or training accessories with a rescue AED or rescue accessories. The Trainer AED and training accessories cannot provide therapy.



### **WARNING**

If the Training Battery Pack is mistakenly inserted in a DDU-100 series AED, the AED cannot be used to perform a rescue. Replacing the Training Battery Pack with a rescue battery pack will immediately allow the DDU-100 Series AED to be used to perform a rescue.



Do not store Training Pads and/or a Training Battery Pack with a rescue AED.



Training Pads cannot be used to rescue a patient. If Training Pads are connected to a DDU-100 Series AED, the AED will say "Check Pads," and the AED will report an error during the next automatic self-test.



Do not apply the Training Pads to human skin. Use only with a manikin or similar materials.



Do not sterilize the Trainer AED or its accessories.

## 2.2 Cautions



Only use a Defibtech-specified rechargeable battery pack for use with the Trainer AED. If an unspecified battery pack or a non-rechargeable battery is charged, it may cause overheating, explosion, fire or leakage.



Do not disassemble or modify the Trainer AED and its accessories. Doing so may cause overheating, fire, electrical shock or injury.



The Trainer AED is made for indoor use and is not water/dust proof or resistant. Do not place the Trainer AED in locations that are extremely hot or cold, dusty or dirty, very humid or vibrating. If the Trainer AED is exposed to any of these conditions, it may cause fire or injury.



Do not drop the Trainer AED or apply a mechanical shock to it.



Do not store or use the Trainer AED outside of the specified conditions.

## 3 Training Components

### 3.1 Trainer AED Unit



The Trainer AED and training accessories cannot be used to defibrillate patients.

The components required to operate the Trainer AED are:

1. Trainer AED (DDU-100TR series).
2. Training Battery Pack (DBP-RCx series).
3. Training Pads - 1 adult set (DDP-101TR) supplied.
4. Remote Control (DTR-4xx series) - supplied, but use is optional.

### 3.2 DBP-RCx Series Training Battery Pack

Before use, the Training Battery Pack should be charged using the supplied battery pack charger (DTR-2xx series). The battery will fully charge in 12-14 hours.

**Note:** Avoid overcharging for longest battery life. When proper charging procedures are followed, the Training Battery Pack should have a life of approximately 200 charge/discharge cycles.

The Training Battery Pack does not require a 9V battery.

**Note:** If a Training Battery Pack is installed in an AED or Trainer AED with a 9V battery, the ASI indicator light in the upper right corner of the AED will blink red and a warning chirp will be generated to warn the user that the AED is not capable of operating as a rescue defibrillator.



Only use the provided AC Adapter to charge the Training Battery Pack. Using other AC adapters may cause unsafe conditions.



If the Training Battery Pack is mistakenly inserted in a DDU-100 series AED, the AED **cannot** be used to perform a rescue. Replacing the Training Battery Pack with a rescue battery pack will immediately allow the DDU-100 Series AED to be used to perform a rescue.



Do not store the Training Battery Pack with a rescue AED.



### 3.3 DTR-4xx Series Remote Control

Use of the Remote Control during training exercises is optional when using either equipment option.

The Remote Control requires two AAA batteries. Insert the batteries into the battery compartment in the back of the Remote Control. No other setup of the Remote Control is required.

### 3.4 Training Pads

One set of adult training pads (DDP-101TR) is supplied with the Trainer AED.

Training pads are available as complete sets (pads, wire, and connector assemblies) and as economical replacement pads in both adult and pediatric sizes. The replacement pads attach (with hook and loop fasteners) to the reusable wire and connector supplied with complete pad sets.



Training Pads **cannot** be used to rescue a patient. If Training Pads are connected to a DDU-100 Series AED, the AED will say “Check Pads,” and the AED will report an error during the next automatic self-test.



Do not store the Training Pads with a rescue AED.



Do not apply the Training Pads to human skin. Use only with a manikin or similar materials.

## 4 Accessories

This chapter lists the accessories that can be used with the DDU-100 Series Trainer AED. To obtain replacement component parts and accessories, contact your authorized distributor or Defibtech.

1. DDP-101TR: Complete adult trainer pad set with connector cable
2. DDP-105TR: 5-pack of adult replacement trainer pads
3. DDP-201TR: Complete pediatric trainer pad set with connector cable
4. DDP-205TR: 5-pack of pediatric replacement trainer pads
5. DBP-RCx: Rechargeable training battery pack (charger not included)
6. DTR-2xx: Trainer AED battery charger
7. DTR-4xx: Trainer AED remote control (includes two AAA batteries)
8. DAC-101: Trainer AED soft carrying case

## 5 Training Scenarios

### 5.1 Trainer AED Modes (Semi-Automatic and Fully Automatic)

New Trainer AEDs are factory programmed to function in Semi-Automatic mode, but can be configured to operate in either Semi-Automatic or Fully Automatic mode. All of the training scenarios noted in Section 5.3 can be used in either mode.

**Note:** Please ensure that the Trainer AED is configured to the Trainer AED mode for which training is intended.

### 5.2 Configuring the Trainer AED Mode (Semi-Automatic or Fully Automatic)

**Note:** To switch between the Semi-Automatic and Fully Automatic Trainer AED modes you must have a Remote Control. It is not possible to configure the modes without a Remote Control.

To switch the Trainer AED mode:

1. Start with the Trainer AED off.
2. Power on the Trainer AED.
3. Press and release the **Shift** Key on the Remote Control.
4. Press and release the **Alt** Key on the Remote Control.
5. Press and release the **Pause** Key on the Remote Control.
6. The Trainer AED will announce "Training Mode" for Semi-Automatic mode or "Version 2 Training Mode" for Fully Automatic mode.

The Trainer AED mode has now been programmed and the Trainer AED will start using this mode every time the unit is turned on. Each time the unit is turned on, the unit will announce to which training mode it is programmed.

**Note:** The Trainer AED mode is stored in the Training Battery Pack, therefore if the Training Battery Pack is moved to another unit, the Trainer AED mode will be that of the Training Battery Pack used in the unit.

### 5.3 Available Scenarios

Six training scenarios (described below) are available for training exercises and can be changed during training as desired.

The following scenarios are available:

1. VF (Ventricular Fibrillation) that converts to a non-shockable rhythm (normal sinus rhythm) after the 1st shock. This scenario is based on the American Heart Association AED training scenario and allows for a quick overview and demonstration of AED operation.
2. Non-shockable rhythm throughout.
3. Bad pads indication until the pads are disconnected and then re-connected (simulating replacement of the pads), followed by VF that converts after the 1st shock to a non-shockable rhythm (normal sinus rhythm).
4. VF that converts on the 2nd shock to a non-shockable rhythm (normal sinus rhythm).
5. Non-converting persistent VF.
6. Pads not applied to the patient. This scenario is recommended as the Default Scenario when using the Remote Control. The Trainer AED will prompt the student to apply pads to the patient dummy, and the instructor can then manually select rhythm simulations (such as NSR and VF) or any one of the above training scenarios using the Remote Control.

**Note:** When the Trainer AED is turned on, it will power up in the Default Scenario, not in the last-used scenario (see Section 5.5 for instructions on setting the Default Scenario).

**Note:** Training scenarios 1-5 assume that pads have already been applied to the patient if pads are connected to the Trainer AED when the Trainer AED is turned on. For properly sequenced exercises using these training scenarios, the student should either apply the pads to the patient before turning the unit on, or turn the unit on with pads disconnected, apply the pads to the patient, and then connect the pads to the Trainer AED.

### 5.4 The Default Training Scenario

When the Trainer AED is first turned on, it operates in the “Default Training Scenario.” The Default Training Scenario can be changed to any of the six available training scenarios.

**Note:** New Trainer AEDs are factory programmed to initially start with the Default Training Scenario set to scenario #6.

## 5.5 Programming the Default Scenario

The Trainer AED can be re-programmed to start in any of the six available scenarios when powered on.

### 5.5.1 Programming the Default Scenario without the Remote Control

If the user does not have a Remote Control, the processes of selecting training scenarios and programming the Default Scenario are the same. The Trainer AED will retain the last scenario selected and start with that scenario the next time it is powered on.

Use the following procedure to select a training scenario when a Remote Control is not available:

1. Start with the Trainer AED off.
2. Hold the Shock button down while turning the unit on.
3. The unit will announce "Training Mode n," where "n" is the number of the current Default Training Scenario.
4. Release the Shock button.
5. Push the Shock button repeatedly to advance through the available training scenarios until the desired scenario is reached (the Trainer AED will announce each scenario number in sequence).  
**Note:** It is OK to push the Shock button rapidly (without waiting for the numbers to be announced) in order to advance more quickly.
6. Turn the Trainer AED off. The Trainer AED will now operate in the chosen training scenario until the Default Scenario is reprogrammed.

### 5.5.2 Programming the Default Scenario with the Remote Control

**Note:** When performing training using the Remote Control, Defibtech recommends programming training scenario #6 (pads not applied) as the Default Training Scenario. This will allow the instructor to manually select rhythm simulations or other training scenarios as desired using the Remote Control.

To program the Default Scenario using the Remote Control:

1. Start with the Trainer AED off.
2. Power on the Trainer AED.
3. Press and release the **Shift** Key on the Remote Control.
4. Press and release the **Alt** Key on the Remote Control.
5. Press the number key corresponding to the desired training scenario (#1 through #6).
6. The Trainer AED will announce "Training Mode 'n'" where 'n' corresponds to the numeric key that was pressed.

The Default Training Scenario has now been programmed and the Trainer AED will start using this training scenario every time the unit is turned on.

**Note:** The Trainer AED will announce "Training Mode" each time it is turned on to indicate that it cannot be used to defibrillate a patient.

## 6 Remote Control Commands

The Remote Control can be used to change the behavior of the Trainer AED at any time while the unit is powered on. The remote will have no effect on a Defibtech DDU-100 Series AED. The following functions can be performed using the Remote Control keys:

- **OFF** - turns the Trainer AED off.
- **PADS** - simulates disconnected pads.
- **NSR** - simulates a Normal Sinus Rhythm (typically used once pads have been applied to the training dummy).
- **VFIB** - simulates Ventricular Fibrillation (typically used once pads have been applied to the training dummy).
- **MOTION** - simulates a cardiac rhythm corrupted with excessive motion artifacts (typically used once pads have been applied to the training dummy).
- **1 - 6** - instantly changes the Trainer AED to the corresponding training scenario. **Note:** Buttons 7 - 9 do not have any corresponding training scenarios.
- **VOLUME UP** - increases the volume of the Trainer AED's voice incrementally (up to a maximum limit).
- **VOLUME DOWN** - reduces the volume of the Trainer AED's voice incrementally (down to a minimum limit).
- **PAUSE** - alternately suspends and resumes Trainer AED operation. Once paused, the Trainer AED will only respond to the PAUSE key of the Remote Control.

## 7 Using the Remote Control with Multiple Trainer AEDs

The Remote Control can be used to individually control up to four Trainer AEDs at a time in a classroom setting.

To control each of the four Trainer AEDs individually, each Trainer AED must be assigned a unique letter “name.” The Remote Control has four keys (A through D) which are used to program the Trainer AEDs with this name.

These keys may then be used as a prefix to any of the commands described in the previous section (e.g. pressing **A**, then **NSR** causes Trainer AED ‘A’ to simulate a normal sinus rhythm, pressing **D**, then **PAUSE** will cause Trainer AED ‘D’ to suspend operation).

**Note:** To simultaneously control multiple Trainer AEDs after they have been assigned unique names, the instructor may use the Remote Control key sequence **SHIFT-ALT-‘Key’** (where **‘Key’** is the desired control command). All Trainer AEDs within range will respond to this sequence regardless of name assignment.

### 7.1 Assigning Unique Names to Trainer AEDs

To program up to four Trainer AEDs with unique names, use the following procedure:

1. Start with all of the Trainer AEDs off.
2. Power on the Trainer AED that is to be programmed.
3. Press and release the **Shift** Key on the Remote Control.
4. Press and release the **Alt** Key on the Remote Control.
5. Press one of the four alphabetically labeled keys on the Remote Control (**A** to **D**) to set the Trainer AED’s “name.”

### 7.2 Removing Unique Names from Trainer AEDs

To remove the programmed name from a Trainer AED, use the following procedure:

1. Start with all of the Trainer AEDs off.
2. Power on the Trainer AED with the name assignment that is to be removed.
3. Press and release the **Shift** Key on the Remote Control.
4. Press and release the **Alt** Key on the Remote Control.
5. Press the **Off** Key on the Remote Control.

**Note:** To avoid accidental naming or re-naming of Trainer AEDs in a setting where all Trainer AEDs may not be turned off, it is recommended that the above setup procedures be performed on each Trainer AED in a separate room.

## 8 Maintenance and Troubleshooting

### 8.1 Routine Maintenance

Although the Trainer AED is designed to be very low maintenance, simple maintenance tasks must be performed by the owner/operator on a regular basis to ensure the Trainer's dependability.

- Check the Trainer AED and accessories for damage, dirt, and contamination. Clean or replace as necessary.
- Check that the Training Battery Pack is fully charged.
- Check that the remote control is fully-functional. Replace the 2 AAA batteries if necessary.

**Note:** If the Trainer AED or any of its accessories have been dropped, mishandled, or abused, a thorough evaluation of operation should be performed.

### 8.2 Cleaning

After each use, clean the Trainer AED of any dirt or contaminants on the case and connector socket. The following are important guidelines to be adhered to when cleaning the device:

- The Training Battery Pack should be installed when cleaning the Trainer AED.
- Do not immerse the Trainer AED in fluids or allow fluids to enter the Trainer AED.
- Do not spray cleaning solutions directly on the Trainer AED or its connectors.
- Do not use abrasive materials or strong solvents such as acetone or acetone based cleaning agents.
- To clean the Trainer AED's exterior, use a soft cloth dampened with one of the following recommended cleaning agents:
  - Soapy water
  - Ammonia based cleaners
  - Hydrogen peroxide
  - Isopropyl alcohol (70 percent solution)
  - 3 percent chlorine bleach/water mixture
- Ensure that the connector socket is completely dry before reinstalling the pads cable. After cleaning, allow the Trainer AED to completely dry.

Please note that none of the items included with the Trainer AED (including the Trainer AED unit itself) are sterile or require sterilization.



#### **WARNING**

Do not sterilize the Trainer AED or its accessories.

### 8.3 Storage

Store the Trainer AED in environmental conditions within range of the specifications (refer to Section 9.2, “*Environmental*,” for details).

### 8.4 Troubleshooting

The following table lists the symptoms, the possible causes, and the possible corrective actions for common problems. Refer to the DDU-100 Series AED User Manual at [www.defibtech.com](http://www.defibtech.com) for additional symptoms and detailed explanations on how to implement the corrective actions.

<b>Symptom</b>	<b>Possible Cause</b>	<b>Corrective Action</b>
<b>Trainer AED will not turn on</b>	Training Battery Pack not inserted	Insert Training Battery Pack
	Training Battery Pack depleted or needs servicing	Recharge or replace Training Battery Pack or contact your local distributor or Defibtech representative
	Trainer AED malfunction	Contact your local distributor or Defibtech representative
<b>Trainer AED immediately turns off</b>	Low charge on Training Battery Pack	Recharge or replace Training Battery Pack
	Trainer AED malfunction	Contact your local distributor or Defibtech representative
<b>Training Battery Pack will not recharge</b>	No power being supplied from AC source	Plug AC Adapter into a AC power outlet that is confirmed to be live
	Loose connection between AC Adapter and Training Battery Pack	Confirm that the AC Adapter and Training Battery Pack are firmly connected
	Training Battery Pack has reached the end of its useful life	Replace the Training Battery Pack with a new one
	Training Battery Pack and/or AC Adapter malfunction	Contact your local distributor or Defibtech representative

**Note:** Unlike a DDU-100 Series rescue AED, the DDU-100 Series Trainer AED does not perform automatic self-tests to help ensure readiness. The Active Status Indicator (ASI) on the Trainer AED has limited functionality: it lights green when a sufficiently-charged Training Battery Pack is installed and the Trainer AED is powered up and is not lit when the Trainer AED is off or when power up is attempted on a Trainer AED in which the Training Battery Pack is completely depleted or not installed.



## 8.5 Repair

The Trainer AED contains no user serviceable parts. If the Trainer AED needs servicing, call your authorized distributor or Defibtech (refer to the “Contacts” chapter of this manual for contact information).

## 8.6 Recycling Information

At the end of useful life, recycle the Trainer AED and its accessories.

### Recycling Assistance

For recycling assistance contact your local Defibtech distributor.  
Recycle in accordance with local and national regulations.


### Preparation for Recycling

Items should be clean and contaminant-free prior to being recycled.  
When recycling a Trainer AED and its accessories follow local clinical procedures.

### Packaging for Recycling

Packaging should be recycled in accordance with local and national requirements.

## 8.7 Notice to European Union Customers

The crossed-out wheeled bin symbol  on this device indicates that this equipment has been put on the market after 13 August 2005, and is included in the scope of the directive 2002/96/EEC on Waste Electrical and Electronic Equipment (WEEE) and of the national decree(s) which transpose provisions of such directive.

At the end of its lifetime, this device can only be disposed of in compliance with the provisions of the above mentioned European directive (and as amended) as well as with the corresponding national regulations. Severe penalties are possible for unauthorized disposal.

Electrical and Electronic Equipment (EEE) may contain polluting components and hazardous substances the accumulation of which could pose serious risk for the environment and human health. It is for this reason that local Administrations provide regulations which encourage reuse and recycling, and prohibit the disposal of WEEE as unsorted municipal waste and require the collection of such WEEE separately (at specifically authorized treatment facilities). Manufacturers and authorized distributors are required to supply information about a safe treatment and disposition of the specific device.

You may also return this equipment to your distributor when purchasing a new one. As for reuse and recycling, notwithstanding the limits imposed by the nature and the use of this device, the manufacturer will do his best to develop recovery processes. Please contact the local distributor for information.

# 9 Technical Specifications

## 9.1 General

<b>Category</b>	<b>Specification</b>
<b>Size</b>	8.5 x 11.8 x 2.7 inches (22 x 30 x 7 cm)
<b>Weight</b>	Approximately 3 lbs (1.4 kg) with DBP-RCx rechargeable training battery pack
<b>Power</b>	Training Battery Pack (rechargeable)
<b>Design standards</b>	Meets applicable requirements of <ul style="list-style-type: none"> <li>• IEC 60601-1</li> <li>• UL 60601-1</li> <li>• 2014/35/EU Low Voltage</li> <li>• IEC 60601-1-2</li> </ul>

## 9.2 Environmental

<b>Category</b>	<b>Specification</b>	
<b>Operating / Maintenance</b>	Temperature	0 – 50°C (32 – 122°F) (while operating); 0 – 40°C (32 – 104°F) (while charging Training Battery Pack)
	One Hour Operating Temperature Limit (extreme cold)*	-20°C (-4°F)
	Humidity	5% – 95% (non-condensing)
<b>Standby / Storage / Transport</b>	Temperature	0 – 50°C (32 – 122°F)
	Humidity	5% – 95% (non-condensing)
<b>ESD and EMI (radiated and immunity)</b>		Refer to Chapter 10 for details

\* From room temperature to temperature extreme, one hour duration.

### 9.3 Training Battery Pack

Use only Defibtech Training Battery Packs in the DDU-100 Series Trainer AED.

<b>Category</b>	<b>Specification</b>
<b>Model Number</b>	DBP-RCx
<b>Main Battery Type</b>	9.6V, 1500mAh, NiMH rechargeable battery
<b>Battery Designation</b>	8HR 15/51
<b>Capacity</b>	At least 5 hours of continuous operation*
<b>Battery Life</b>	2 years, or 200 charge/discharge cycles*

\*Typical, new battery, at 25°C

### 9.4 AC Adapter

Use only the AC Adapter supplied with the DDU-100 Series Trainer AED.

<b>Category</b>	<b>Specification</b>
<b>Model number</b>	DTR-2xx
<b>Line Voltage, Line Frequency, and Power Input</b>	See label affixed to adapter

# 10 Electromagnetic Conformity

## 10.1 Guidance and Manufacturer’s Declaration


DDU-100 Series Trainer AEDs are intended for use within the electromagnetic environment specified below. The customer or the user of the DDU-100 Series Trainer AED should assure that it is used within the stated environmental specifications.

## 10.2 Electromagnetic Emissions

<i>Emissions test</i>	<i>Compliance</i>	<i>Electromagnetic environment – guidance</i>
RF emissions CISPR 11	Group 1, Class B	The DDU-100 Series Trainer AED uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
Harmonic emissions IEC 61000-3-2	Not applicable	Battery operated equipment
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not applicable	Battery operated equipment

## 10.3 Electromagnetic Immunity

<i>Immunity test</i>	<i>IEC 60601 test level</i>	<i>Compliance level</i>	<i>Electromagnetic environment – guidance</i>
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	There are no special requirements with respect to electrostatic discharge.
Electrical fast transient/burst IEC 61000-4-4	Not applicable	Not applicable	Battery operated equipment
Surge IEC 61000-4-5	Not applicable	Not applicable	Battery operated equipment
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Not applicable	Not applicable	Battery operated equipment
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should not be greater than levels characteristic of a typical location in a commercial or hospital environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance	
Radiated RF IEC 61000-4-3	10 V/m 80 MHz to 2.5 GHz  80% 2Hz AM Modulation	10 V/m	Portable and mobile RF communications equipment should be used no closer to any part of the DDU-100 Series Trainer AED, including cables, than necessary. The recommended separation distance calculated from the equation applicable to the frequency of the transmitter is shown in the following table.	
				Interference may occur in the vicinity of equipment marked with this symbol.
<p><b>Note 1:</b> At 80 MHz and 800 MHz, the higher frequency range applies.</p> <p><b>Note 2:</b> These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>				
<p>The ISM (industrial, scientific and medical) bands between 150 kHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz.</p> <p>Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the DDU-100 Series Trainer AED is used exceeds the applicable RF compliance level above, the DDU-100 Series Trainer AED should be observed to verify normal operation. If abnormal performance is observed additional measures may be necessary, such as reorienting or relocating the DDU-100 Series Trainer AED.</p>				

## 10.4 Regulatory Compliance

Changes or modifications of this product, not expressly approved by Defibtech, may void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules and Industry Canada Radio Standard RSS-210. Operation is subject to the following two conditions:














- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.











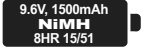

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## 11 Glossary of Symbols

Symbol	Meaning
	SHOCK Button – Delivers defibrillation shock to the patient when the device is ready to shock. <b>NOTE: The Trainer AED and training accessories cannot be used to defibrillate patients.</b>
	ON/OFF Button <ul style="list-style-type: none"> <li>• Turns the device ON when it is OFF.</li> <li>• Turns the device OFF when it is ON.</li> </ul>
	Caution, consult accompanying documents.
	Consult operating instructions.
	Refer to instruction manual / booklet.
	Do not expose to high heat or open flame. Do not incinerate.
	Do not damage or crush.
	Recyclable.
	Follow proper disposal procedures.
	Operational temperature limitation.
	Manufacturer.
	Date of manufacture.
	Manufacturer and date of manufacture.



Glossary Of Symbols (continued)

<b>Symbol</b>	<b>Meaning</b>
	Meets the requirements of the European Directives.
	Catalogue number.
	Serial number.
	Lot number.
	Use by yyyy-mm-dd.
	Keep dry.
	Handle with care.
	Transportation and storage requirements. See environmental requirements on packaging.
	Does not contain latex.
	Product is not sterile.
	Nickel metal hydride battery.
	Denotes a second-generation DBP-RCx Training Battery Pack.

## 12 Contacts

### Manufacturer



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