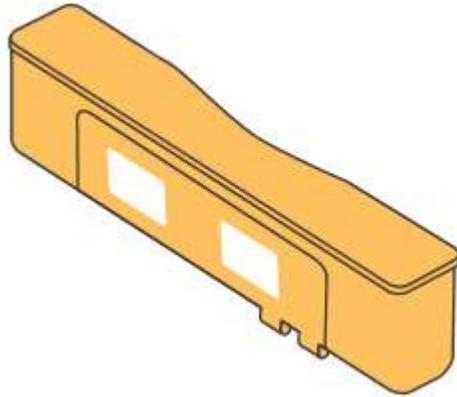




AED Battery Exchange

Save a Life: Save the Environment: Save Money



DBP-2003-ABE Battery

For use with Defibtech
Lifeline™ / Revive R VIEW
Models: DDU-2200, DDU-
2300, DDU-2450, DDU-2475

Operation Manual

Revision 1.0

Product model

The DBP-2003-ABE is indicated for use with the Defibtech Lifeline™ /Revive R View or Lifeline View AUTO AED, model DDU-2200, DDU-2300, DDU-2450, DDU-2475 series AED.

Please see the Defibtech Lifeline™ / Revive R View model DDU-2200, DDU-2300, DDU-2450, DDU-2475 User's Guide for complete information on AED use.

Indications for use

The automated external defibrillator (AED) battery supplies power to an AED as required during self maintenance, automated diagnoses, and defibrillation. The DBP-2003-ABE is indicated for use with the Defibtech Lifeline™ / Revive R View model DDU-2200, DDU-2300, DDU-2450, DDU-2475.

Contraindications

Automated external defibrillators should not be used when a patient is conscious or breathing normally.

Battery specifications

Power: 12VDC, 2.8Ah, Lithium/Manganese Dioxide, primary cells.

Lithium Content: approximately 3.0 grams

Capacity: Typically 125 shocks or 8 hours of operating time at 25°C (77°F). Actual battery operating life depends on device settings, usage, and environmental factors.

Energy: Adult (150 Joules), Child/Infant (50 Joules)

Charge Time: Initiation of rhythm analysis to ready to shock: 4 seconds or less (from shock advised); 30 seconds (maximum) With a fully charged battery. Initiation of rhythm analysis to ready to shock, used battery: 18 seconds typical); 30 seconds (maximum) with a battery that has been used for 15 shocks.

Shelf Life (prior to insertion): A minimum of 5 years from date of refurbishing when stored from 20° to 30°C (68° to 86°F), 10% to 75% RH (non-condensing).

Standby Life (after insertion/between use): 4 years when operated from 0° to 50°C (32° to 122°F), 5% to 95% RH (non-condensing).

Operating Conditions: 0°C to 50°C (32° to 122°F), 5% to 95% RH (non-condensing).

Safety Standards: IEC 60601-2-4, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-6, IEC 61000-4-8, IEC 60529

Transportation: UN38.3 tested: T1 – Altitude, T2 – Thermal, T3 – Vibration, T4 – Shock, T5 – External Short

Important Warnings and Reminders!!



Caution: Federal law restricts this device to sale by or on the order of a physician or practitioner licensed by law of the state in which he/she practices to use the device.



Battery is not rechargeable. Do not attempt to recharge.



Do not expose battery to high heat or open flames. Do not incinerate battery.



Waste Electronic Electrical Equipment (WEEE). Separate collection for waste electrical and electronic equipment



This alert identifies hazards that may cause personal injury, product damage, or property damage.

- ⚠ Pressurized contents: Do not short circuit, puncture, deform, or expose to temperatures above 65°C (149°F).
- ⚠ Not tested for airborne applications
- ⚠ Inspect battery contacts on insertion into AED and annually. Clean contacts with gold contact cleaner if any sign of oxidation or corrosion is present.
- ⚠ Always keep a spare battery on hand in addition to the battery currently in operation.
- ⚠ Use one of these solutions to clean the case of the AED: soapy water, denatured ethanol, or 91% isopropyl alcohol.
- ⚠ Use one of these solutions to clean the plastic housing of the battery: soapy water, denatured ethanol, or 91% isopropyl alcohol.

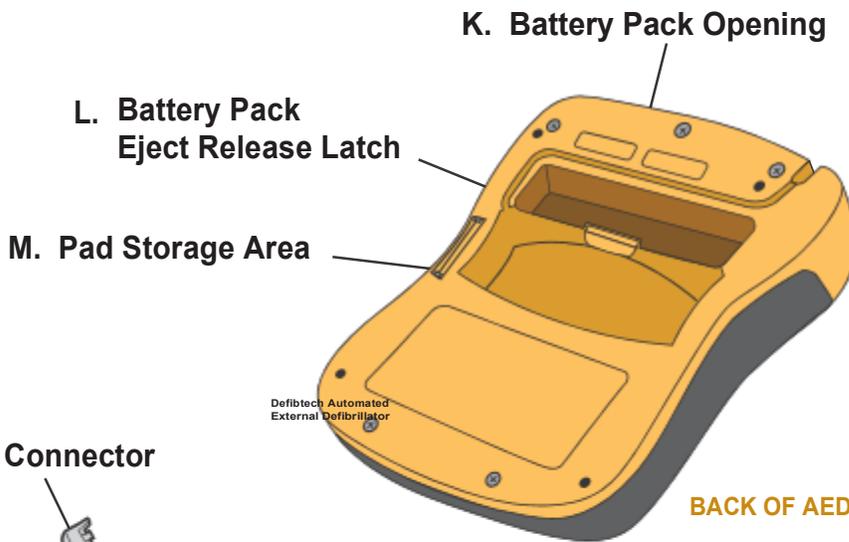
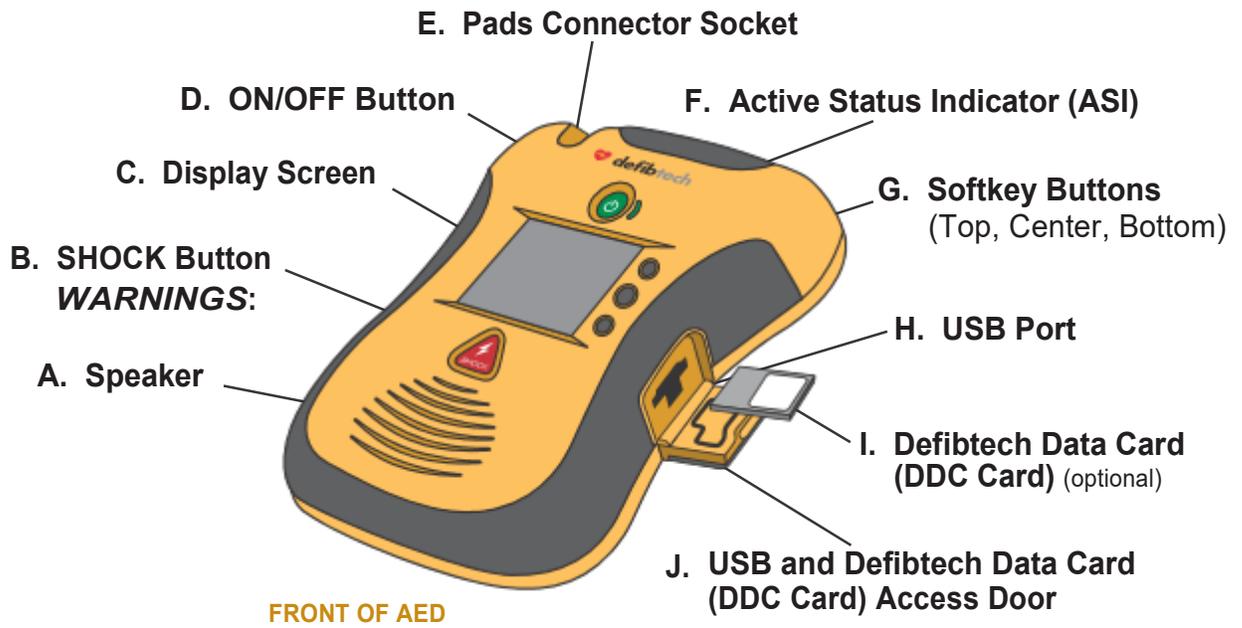


If the AED indicates that the battery is low and needs to be replaced please recycle or dispose of the lithium battery in accordance with all federal, country, state, and local laws. Help our environment, recycle, and [send your depleted batteries to AED Battery Exchange](#):

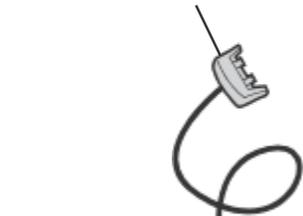
AED Battery Exchange
1000 Brown Street, Ste 206
Wauconda, IL 60084

Defibtech DDU-2000 Series AED:

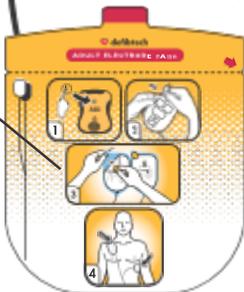
- A. Speaker.** The speaker projects the voice prompts when the DDU-2000 Series AED is on. The speaker also emits a “beep” when the unit is off and has detected a condition that requires attention from the user or needs servicing.
- B. SHOCK Button.** This button will flash when a shock is recommended. Pressing this button will deliver a shock when the button is flashing. This button is disabled at all other times.
- C. Display Screen.** Color display panel used to display text and video prompts, messages, indicators for rescue, unit status, and maintenance operations. The display screen provides visual prompts, including CPR coaching. DDU-2450 models can also show an ECG trace.
- D. ON/OFF Button.** This button is used to turn the DDU-2000 Series AED on and off.
- E. Pads Connector Socket.** The pads connector (item N) is inserted into this socket.
- F. Active Status Indicator (ASI).** The ASI indicates the current status of the AED. This indicator flashes green to indicate the unit has passed its last self-test and is ready for use. It flashes red to indicate unit needs attention from the user or needs servicing.
- G. Softkey Buttons.** Three context sensitive softkey buttons are used to navigate menus or select actions.
- H. USB Port.** The USB port is provided to perform data recovery and maintenance. Not to be used during rescue operation.
- I. Defibtech Data Card (DDC card).** This optional plug-in card provides enhanced storage capabilities to the AED.
- J. USB and Defibtech Data Card (DDC card) Access Door.** Behind the access door is the USB connector port and Defibtech Data Card (DDC card) slot.
- K. Battery Pack Opening.** This opening is where the battery pack is inserted into the unit.
- L. Battery Pack Eject Release Latch.** This release latch releases the battery pack from the DDU-2000 Series AED.
- M. Pad Storage Area.** The pad storage area is found on the back of the AED allowing the pads to be stored in a pre-connected state for rapid deployment during an emergency.
- N. Pads Connector.** This connector attaches the patient pads to the unit at the pads connector socket (item E).
- O. Defibrillation Pads.** The defibrillation pads are pads that are placed on the patient. The pads should be stored in the pad storage area (item M) on the back of the unit.
- P. Defibrillation Pads Expiration Date (back side).** The defibrillation pads expiration date is located on the back side of the pads package. Do not use the pads after the printed date has passed.
- Q. Battery Pack.** The battery pack provides a replaceable main power source for the DDU-2000 Series AED.



N. Pads Connector



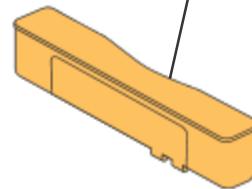
O. Defibrillation Pads



DEFIBRILLATION PADS PACKAGE

P. Defibrillation Pads Expiration Date (on back of package)

Q. Battery Pack



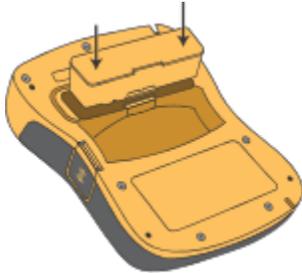
BATTERY PACK

Defibtech Automated External Defibrillator

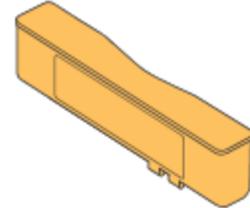
Operating Guide

Installing and Removing the Battery Pack:

The battery pack provides power to the DDU2000 Series AED. Do not install the battery pack after the expiration date printed on the label as shown at right. The supplied battery pack is non-rechargeable.



Before inserting the battery pack into the DDU-2000 Series AED as shown at left, ensure that the battery pack opening in the back of the AED is clean and clear of any foreign objects. Insert the battery pack into the opening in the back of the AED. Push the pack all the way in until the latch clicks. The battery pack will only fit in one way – if the battery pack does not fit, rotate the battery pack before trying again. Once fully inserted, the battery pack surface should be flush with the back of the AED.



Within moments of insertion the DDU-2000 Series AED will turn on and run a battery pack insertion self-test. When the test is completed, the unit will report the status of the battery pack and shut down. Afterwards, the Active StatusIndicator (ASI), adjacent to the ON/OFF button of the DDU2000 Series AED, will periodically flash. If the indicator flashes green, the AED and battery pack are ready for use. If the indicator flashes red, is solid red, or there is no flashing

light, the AED requires service. (*“Checking the DDU2000 Series AED Status”* on the meaning of the indicator)

***Note:** The battery pack must have been removed from the unit for at least 10 seconds for the battery pack self-test to be performed automatically.

To remove the battery pack, push the battery pack eject release latch. After the battery pack is partially ejected, pull the battery pack out.

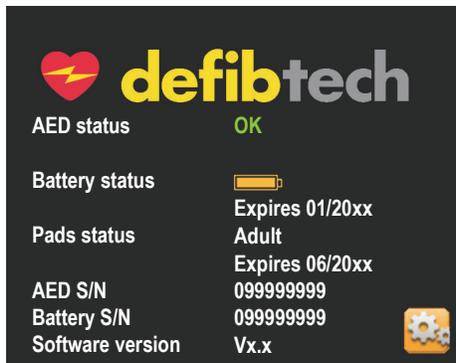
Checking the DDU-2000 Series AED Status

Active Status Indicator (ASI)

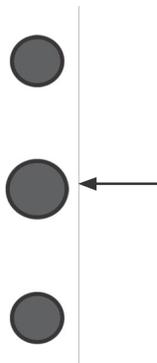
Once a fully functional battery pack is installed in the DDU-2000 Series AED, an LED indicator located to the right of the ON/OFF button actively indicates unit status. If the unit is ready for use, the Active Status Indicator (ASI) will flash green. Ready for use means that the DDU-2000 Series AED has passed the most recent self-test (scheduled or user initiated). If the unit needs service, the ASI will flash red. When the ASI flashes red, the unit will also “beep” periodically to call attention to itself. The ASI also uses a distinct flash pattern to assist people with color blindness: green will flash a single flash and red will flash a double flash.

The ASI is powered by the battery pack. If the battery pack has been completely discharged or is not installed in the unit, the active status indication will be off. In this case, immediately replace the battery pack or reinsert it into the unit to restore active status indication.

 <p>Active Status Indicator (ASI)</p>	<ul style="list-style-type: none">• Flashing Green: The DDU-2000 Series AED is OFF and ready for use.• Solid Green: The DDU-2000 Series AED is ON and ready for use.• Flashing or Solid Red: The DDU-2000 Series AED needs immediate service. Refer to “<i>Troubleshooting</i>” (Section 5.6 of this manual) or call Defibtech for service.• No Flashing Light: The DDU-2000 Series AED needs immediate service. Refer to “<i>Troubleshooting</i>” (Section 5.6 of this manual) or call Defibtech for service.
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AED Status Screen



To check the status of the AED when the unit is off, press the **center softkey button**. The display screen will show unit status, battery pack status, and pad status. After a short period of time, the display screen, and the unit will turn off.