

INTELLIGENT PUBLIC ACCESS DEFIBRILLATOR

# **iPAD** CU-SP1



Advanced Performance **iPAD CU-SP1**





## AUTO VOLUME ADJUST

Public places can often be noisy. Crowded stations, airports with constant announcements and streets filled with cars and people often make it difficult to hear what's going on around you.

Trying to use an AED in noisy places can be difficult if the first responder can't clearly hear the voice prompts and instructions from the AED.

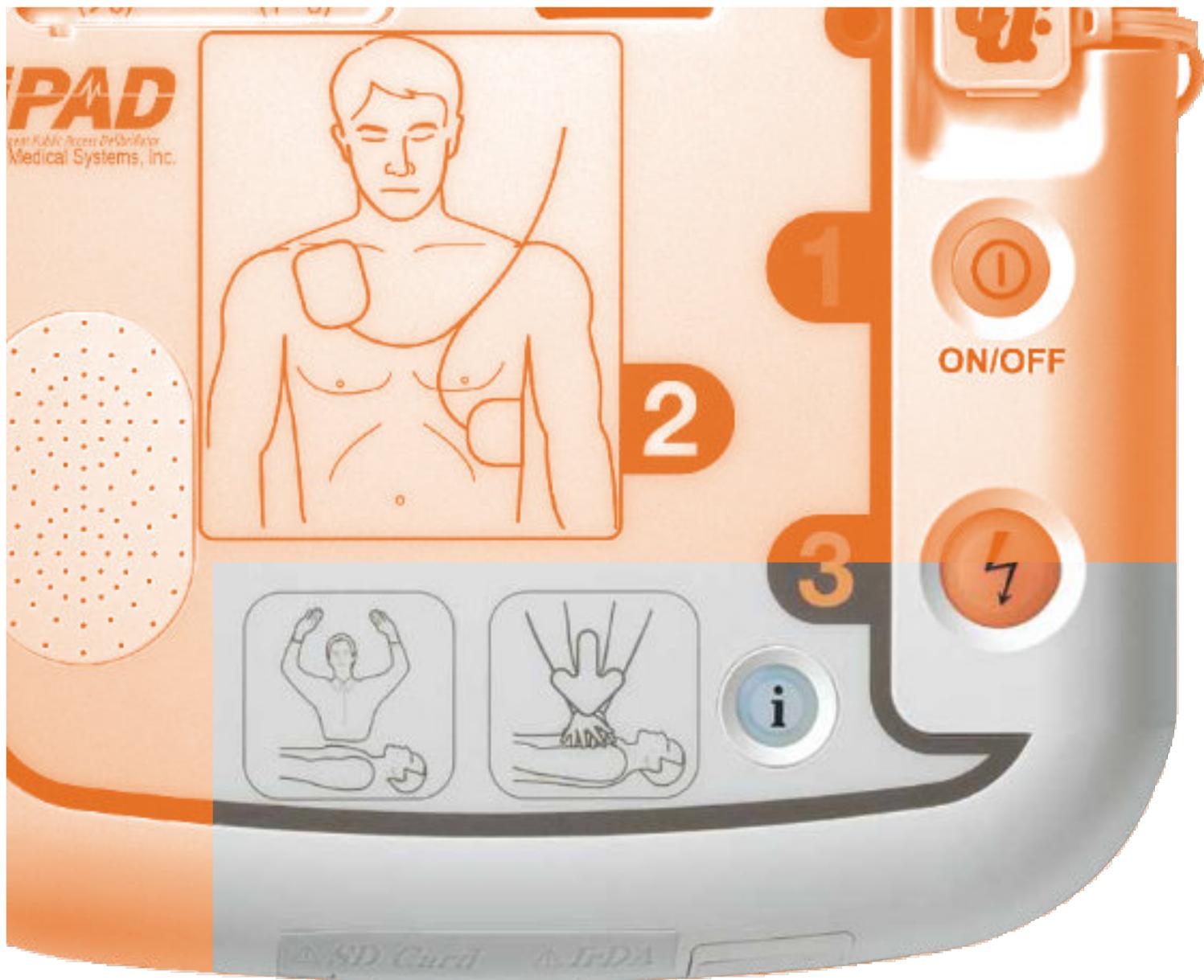
The iPad CU-SP1 listens to the ambient noise, and automatically adjusts the volume of its prompts to make them clear and easily heard over the background noise. When the correct volume has been reached the iPad CU-SP1 keeps the prompts at this level.

# SMART PADS –SMART STORAGE!

The pre-connected 'Smart'electrode pads are stored in a clear storage compartment on the underside of the unit. This ensures that the iPad SP1 is always ready to be used in the shortest amount of time possible.

The unique technology built in to the iPad CU-SP1 and the 'Smart'electrode pads allows the unit to detect, when connected, if a set of pads has already been used. If they have, the user is advised of this. In addition, the visual indicator on the front of the iPad CU-SP1 indicates if the connected pads are within their life expectancy. The indicator will change when the pads have only 3 months life left before their expiry date-giving you plenty of time to arrange for replacements. The indicator will change again when the expiry date is reached. Checking the life of your pads is as quick and simple as looking at the LCD display.





## CPR DETECTION

CPR is vital to ensure that the casualty has the best chances of survival. The iPad CU-SP1 detects if CPR is being performed when appropriate prompts and encourages the first responder. If CPR is not being performed, the iPad CU-SP1 prompts the first responder to 'perform CPR'. If CPR is already being performed, the iPad CU-SP1 encourages the first responder by prompting them to 'continue CPR'.



## EASY COMMUNICATION WITH CU-EX1 SOFTWARE

Getting information from the iPad CU-SP1 after an event is now easier than ever! Installing CU-EX1 software onto a computer allows you to see and analyse the usage history of the unit. Information such as time of 'power on', the casualty's heart rhythm and shocks delivered are all presented in an easy to understand fashion.

The iPad CU-SP1 can store up to 5 events with up to 3 hours of ECG analysis on an SD memory card. The data can be transferred by either simply removing the SD card, or by using the inbuilt infra-red (IrDA) port. Having the data on an SD Memory card allows the card to be removed for analysis whilst another card is inserted, making the unit ready to use again whilst retaining the original information.

**The iPad CU-SP1 - Advanced Features - Advanced Performance**

# CU-SP1 SPECIFICATION

## 1. Defibrillator

**Model** CU-SP1

**Standard Package** Defibrillator, Pads, Battery, Manual

**Output Energy** Adult-150Joules /  
Pediatric-50Joules (Common usage)

### Charging time

- 1) Charging time : Less than 10 seconds
- 2) Charging time after CPR finished : At least 6 seconds

## 2. User Interface

**User support** Detailed voice prompts and flashing indicators

**CPR guidance** Voice prompts for how to perform CPR for adult and child patient

**Controls** On/Off button, I button, Shock button

**Indicator** LCD display  
(Device status, Battery status, Pads status)

**Sensing** Pads expiring date, Pads connection status

### CPR Monitoring

### Automatic Volume adjusting

## 3. Environment

**Sealing** Waterjet proof IPX5 per IEC60529 (IP55)  
Dust protected IP5X per IEC60529

**Temperature** Operation/standby (0 °C ~ -43 °C)

**Vibration** Meets MILSTD 810G

## 4. Data Recording and Transmission

**IrDA port** wireless transmission of event data to PC, SD Card

**Internal Memory** ECG, Event

**Storage capacity** Multi recording 5 events / Max 3 hours

**Data review PC Program** CU-EX1

## 5. Patient Analysis System

**Patient Analysis** Shockable Rhythms – Ventricular Fibrillation,  
Ventricular Tachycardia

**Sensitivity/Specificity** Meets AAMI DF80 Guideline

## 6. Battery

### Standard

+ Type : DC 12 Volt 2.8 Ah, Lithium manganese dioxide

+ Capacity : Minimum 50shocks (150J )

### High Capacity

+ Type : DC 12Volt 4.2Ah, Lithium manganese dioxide

+ Capacity : Minimum 200shocks (150J )

### Lifespan

5 years (High capacity battery)

(With the condition of the temperature of operation/  
standby, standby mode after the first initial check)

