



Simple Approach to Saving Lives



HeartPlus Simple Guide

AED (Automated External Defibrillator)

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HeartPlus™ Defibrillator Specifications

Defibrillator

Defibrillator Series	HeartPlus™ NT-180
Set Configuration	Defibrillator, battery pack, sealed electrode pads, HeartPlus™ User Guide, Protective Carrying Case, "NT-MPR" CD-ROM, USB cable
Waveform	Truncated Exponential Biphasic
Energy	180J (Adult, Impedance 50Ω) 50J (Pediatric, Impedance 50Ω)
Shock Charge Time	Less than 13 seconds
Shock Method	Manual button (flashes when ready)
Mode Conversion	Adult/Child separate power buttons Child Mode delivers 50J Pediatric shock for patients weighing less than 25kg, approximately 12 months to 8 years old)

Physical

Dimensions	7.1cm(H) x 29.3cm(W) x 29.1cm(D)
Weight	1.9kg (including battery pack and electrode pads)

Data

Stored Contents	ECG recordings, operation information (whether shock delivered or not), ambient noise, self-diagnostics history
Memory Capacity	ECG: 1,000 instances of 5 seconds recordings Ambient Noise: Total 60 minutes (4 instances of 15 minute cycles) Self-Test: Times & results of 3,000 events
Storage Type	Internal Memory
Access / Retrieval	"NT-MPR" App (for PC) via USB connection

Auditory/Visual Instructions

After device is powered on, step-by-step voice instructions guide first responder through resuscitation procedure, which includes pads placement, hands off times (analysis and shock process), and CPR instructions.

CPR instruction prompts user to commence cardiopulmonary resuscitation, while flashing metronome light sets pace at 100 compressions per minute for 30 compressions with brief pause for 2 mouth-to-mouth breaths (5 repetitions), in accordance with American Heart Association 2010 guidelines.

Self-Diagnostics Test

Daily self-diagnostics tests ensure that circuits for measuring patient impedance, control circuit internal discharge of electric energy, and control circuit for charge/discharge of electric energy are functioning properly.

A voice prompt stating "Equipment check is needed" continuously in the event self-diagnostics check fails.

Upon completion of daily self-diagnostics test, results are automatically stored within device's internal memory.

AED Installation Case

Public Transportation



Bus

Public Place



Police Car

Public Building



Silver Home

Groups and Facilities



Laboratory

Company and Personal



Concert Hall



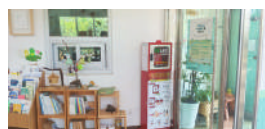
Local Market



Gym



Camp Site



Facility



Religious Place



Bank



Funeral Hall



Private Institute



School



Welfare Centre

How To Use AED

Wait!

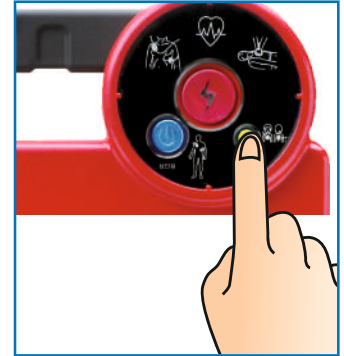
Call 119

1 Press the power button.

 **HeartPlus**
HeartPlus Automated External Defibrillator



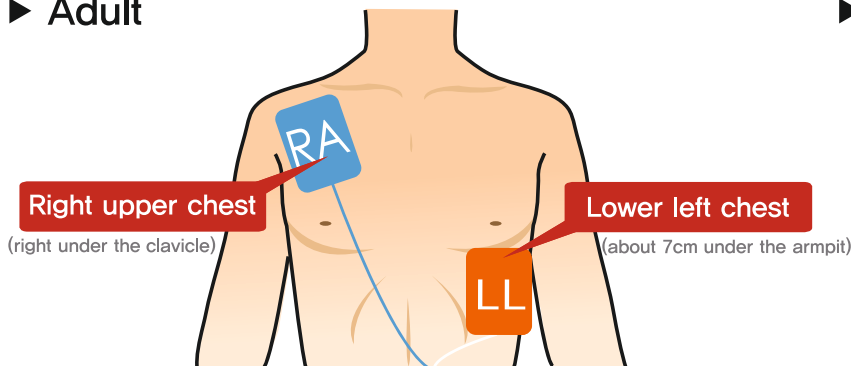
▶ **Adult**
(over 25kg)



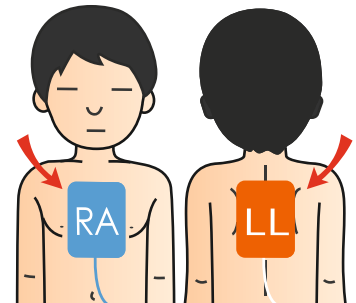
▶ **Infant/child**
(under 25kg)

2 Attach electrode pads to the patient's bare chest.

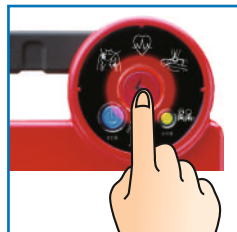
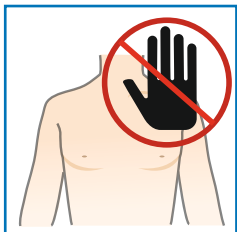
▶ **Adult**



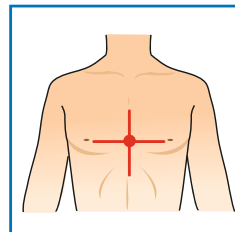
▶ **Infant/child**



3 Follow the voice prompt.



Chest compressions
hand location



Chest compressions
for 30 times

Chest compressions
position



Marketed By

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