

**mindray**

## BeneHeart D6

Defibrillator/Monitor

# Powerful life saving solution



[www.mindray.com](http://www.mindray.com)

P/N:ENG-BeneHeart D6-210285x12P-20180411  
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healthcare within reach

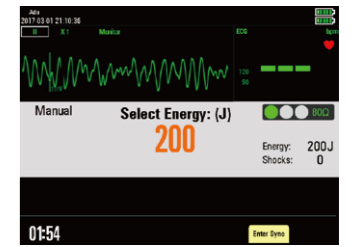


With a 4-in-1 integrated design (manual defibrillation, AED, pacing, and monitoring modes), BeneHeart D6 puts any unexpected circumstances under your control.

4-in-1 design and powerful function for full spectrum applications

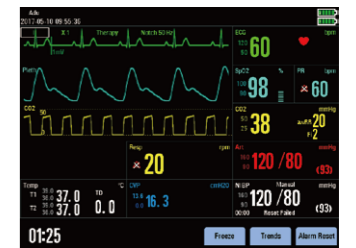
### Manual Defibrillation

Asynchronised defibrillation mode for cardioversion of ventricular fibrillation. Synchronised defibrillation mode for cardioversion of atrial fibrillation.



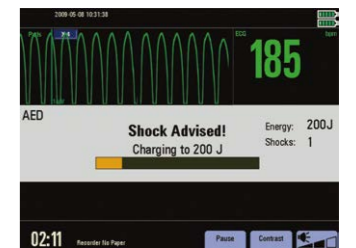
### Multi-parameter Monitoring

BeneHeart D6 offers comprehensive monitoring functions designed to give clinicians the information they need. In addition to ECG with respiration, clinicians can choose 12-lead ECG with full reports, SpO<sub>2</sub>, 2xTemp, NIBP, 2xIBP and EtCO<sub>2</sub>.



### AED

In AED mode, BeneHeart D6 automatically analyses the rhythm and indicates whether or not a shockable rhythm is detected. Voice and text prompts guide the user through the process. Voice recording (180 minutes) is also available for case review.



### Non-invasive Pacing

BeneHeart D6 offers demand mode and fixed mode pacing with adjustable rates and output. The 4:1 key enables clinicians to quickly select 1/4 of the pacer rate for observation of the underlying rhythm.

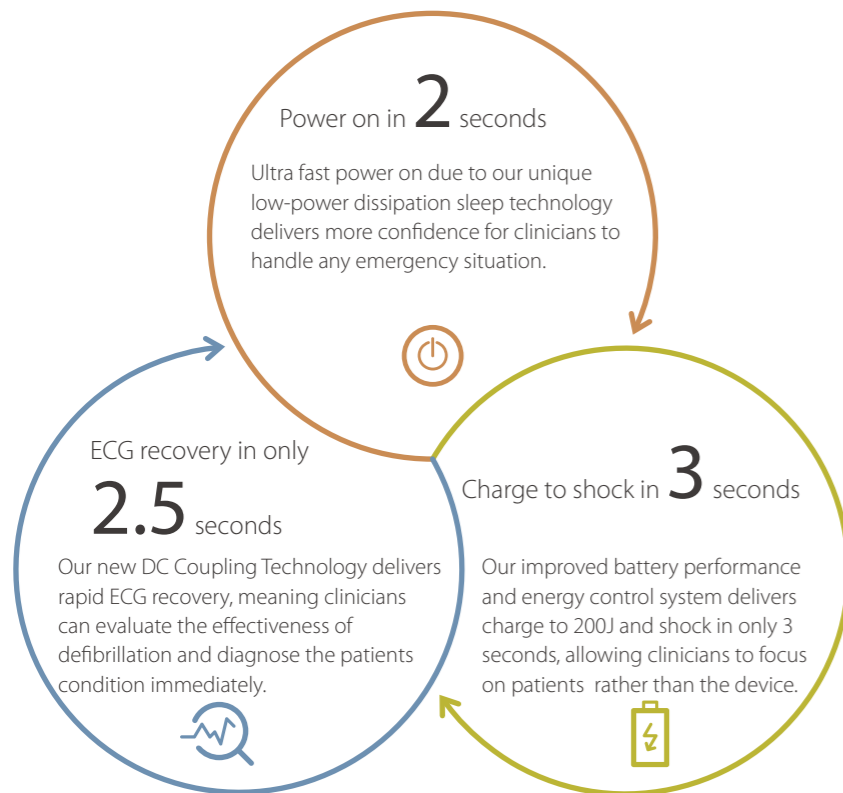


# Fast defibrillation

## The fastest defibrillator

Mindray strives for constant innovation to improve the clinical aspects of product performance. The new generation of technology platform enables Mindray to improve the performance of the BeneHeart D6 defibrillator to meet changing clinician needs.

BeneHeart D6 gives you a greater chance of success for those patients suffering cardiac arrest. It only takes 7.5 seconds to complete the whole defibrillation operation. Studies show that when a patient suffers cardiac arrest, success rates for defibrillation drop for every second between CPR and defibrillation shock. Every second counts for cardiac arrest patients.\*



\*Edelson DP, Abella BS, Kramer-Johansen J, et al. Effects of compression depth and pre-shock pauses predict defibrillation failure during cardiac arrest. Resuscitation. 2006 Nov;71(2):137-45.



Manual defibrillation with clear 1-2-3 steps



1. Select Energy
2. Charge
3. Shock



External Paddles with function buttons

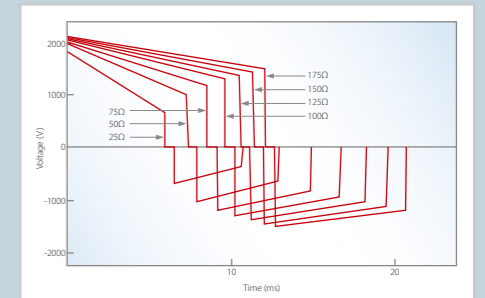
Buttons for energy selection, charging and shock delivery improve usability for clinicians.

# Effective resuscitation



## 360J high energy

BeneHeart D6 defibrillator/monitor features 360J biphasic technology, which increases the chance to save difficult-to-defibrillate patients. Studies have shown that cardiac arrest is common among ventricular fibrillation (VF) patients and that defibrillation of recurring episodes of VF is increasingly difficult. A randomised controlled clinical trial shows the rate of VF termination increases with charge energy, when charge energy is 200J and above.\*



When impedance is adjusted, voltage and energy delivery cycle are adjusted automatically to correspond with impedance

\*Stiell I, Walker R, Nesbitt L, et al. Biphasic Trial: A randomized comparison of fixed lower versus escalating higher energy levels for defibrillation in out-of-hospital cardiac arrest. *Circulation*. 2007;115:1511-1517.

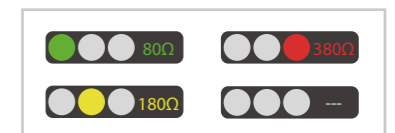
## CPR solution

### Accordance with the 2015 AHA/ERC guideline

The CPR Sensor is easy to use with its ergonomic design and graphic mark of the pressure spot. It delivers instant audiovisual feedback so that compressions are of proper depth and rate. It indicates complete chest recoil, hands-off time to help improve the patient's chance to survive.

## Intuitive contact impedance indicator

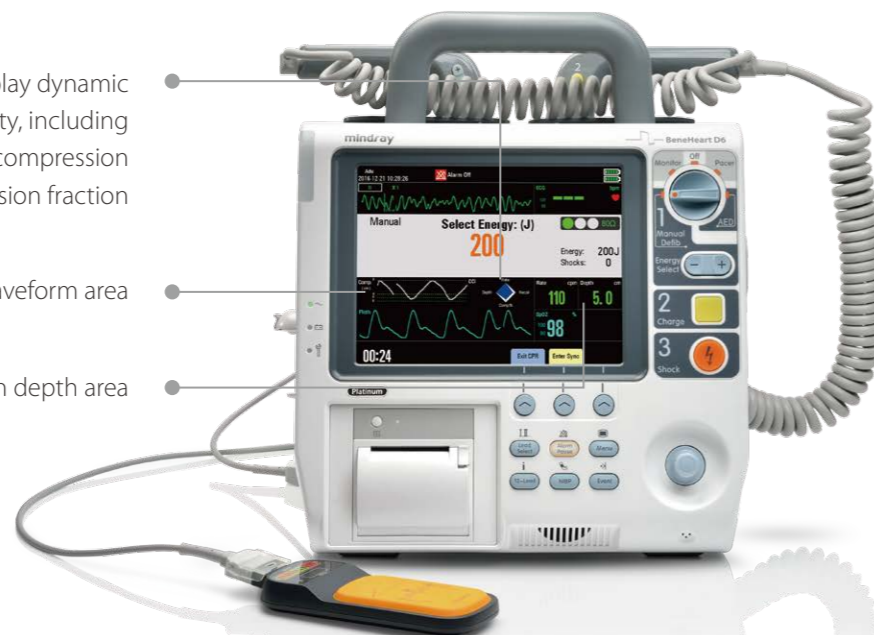
Colour coded indicator with real contact impedance value provides a more intuitive guide to clinicians.



CCI (CPR compression index): display dynamic change of CPR compression quality, including information such as compression rate, compression depth, compression recoil, compression fraction

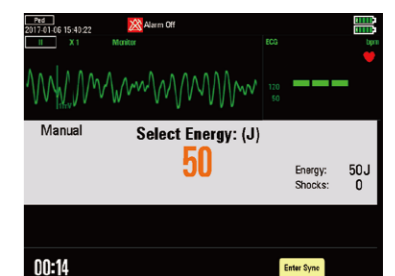
Compression waveform area

Compression rate area & Compression depth area



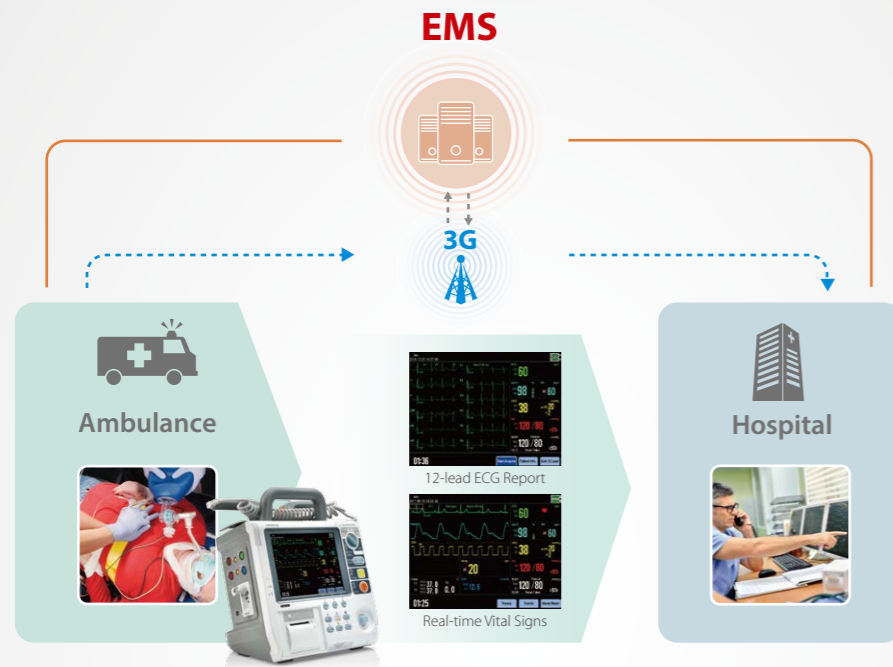
## Adult/Paediatric mode

When changing from adult to paediatric mode, the default shock energy, monitoring range and parameter alarm limits change automatically to deliver the best treatment effect for both types of patients.



# Professional pre-hospital solution

## Pre-Hospital Emergency Information System(PHEIS)



### Tracking the Entire Resuscitation Process

PHEIS sends real-time patient data, such as ECG, SpO<sub>2</sub>, EtCO<sub>2</sub>, 2 Temp and NIBP to the hospital, allowing doctors to track the entire rescue process all the way from the field to the hospital.

### Remote Diagnosis to Provide Rapid Patient Treatment

For patients in a critical condition, every second counts. PHEIS helps to save valuable time by supporting remote diagnosis and allowing the hospital to prepare treatment well in advance. The Glasgow 12-lead ECG report helps doctors quickly decide on the reperfusion method (intervention or fibrinolytic therapy) for a suspected STEMI (ST-elevation myocardial infarction) patient.



## Reliable in any emergency environment

BeneHeart D6 can be conveniently charged inside the vehicle. While the optional secondary battery doubles its running time, the external charger carried in the vehicle can be used to charge any additional backup batteries. BeneHeart D6 complies with IP44 dust and water proof standard, which allows it to work in a variety of complex outdoor environments. The carrying case with cover shield protects D6 from knocks and the expansion bags can be used to store extra accessories.



High performance battery & Battery charger

Excellent battery performance guarantees you can deliver defibrillation at any time. LED indicator shows battery status clearly. Battery charger keeps two spare batteries in charge and ready to use.



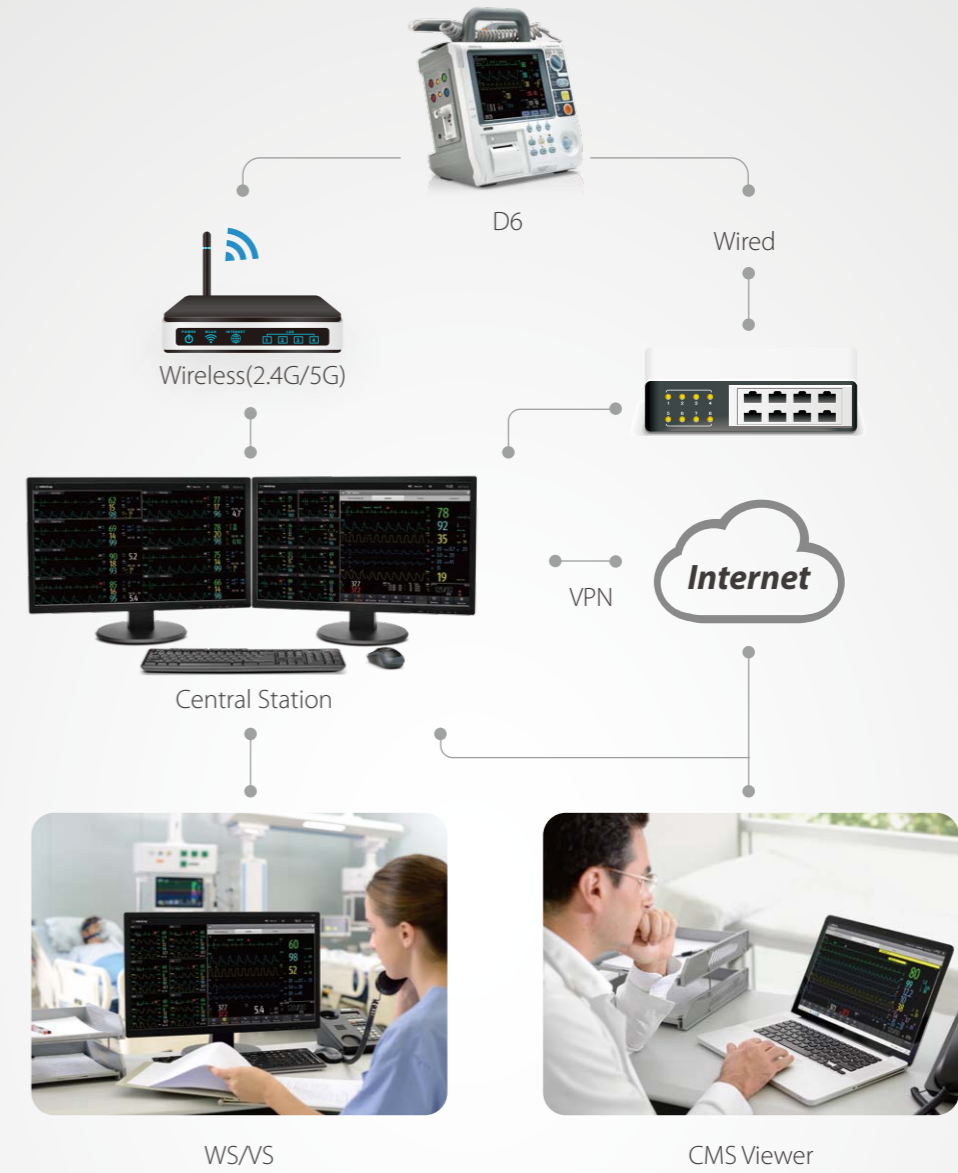
Vehicle Docking station

Docking station with built-in power supply simplifies the anchoring and locking process of the defibrillator.



Carrying case

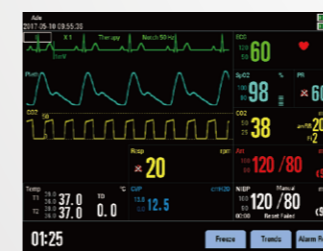
The large capacity carrying case adds protection to the BeneHeart D6 and eases the transport of accessories.



## Effective IT solution

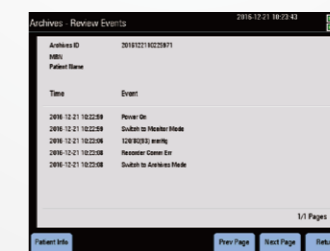
Our simple yet effective IT solution manages all the information from BeneHeart D6 defibrillator/monitors to avoid manual recording and so improve efficiency and reduce the workload of clinical staff. All information can be databased.

A simple yet robust network connection following standard information infrastructure in most hospitals: Transmit data through 5G/2.4G WiFi, international standard IHE HL7 protocol and DHCP to obtain IP address automatically.



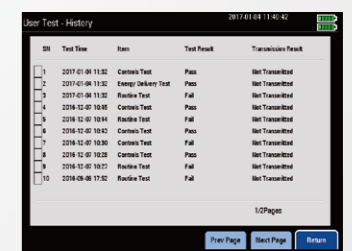
Monitor information transmits to CMS

Centralised management of monitoring information improves efficiency.



Rescue information transmits to CMS

Patients treatment process can be reviewed conveniently at any time, providing data support for further study.



Device status transmits to CMS

All the testing results including self test and user test will be sent to Mindray CMS. Centralised device management and maintenance ensures every defibrillator is "Ready" to use.