



The Avive Connect AED™

The Future of Saving Lives

The Avive Connect AED takes proven defibrillation technology and expands its benefits to the masses with first-of-its-kind capabilities.

At Avive, we are committed to providing a fully-featured AED, advanced platform technology, and comprehensive response system, all for a great price.



Feature Highlights

01 Cellular, WiFi, Bluetooth®, & GPS Technologies

Powered by REALConnect™, the Avive Connect AED uses wireless communication for daily AED monitoring and notifications, AED location tracking, Lost Mode™, and much more.

02 EverCharge™ Battery

No more battery replacements required - ever! Keep ownership costs low without impacting lifesaving performance. Your Connect AED is capable of providing therapy for up to 8.5 months, and powering the screen and connectivity for up to 5 months depending on usage, connectivity, and charging strategy.

03 Modern Touchscreen Technology

An approachable high-resolution touchscreen interface is designed to remove intimidation and hesitation involved with bystander response.

04 AllRescue™ Technology

Toggle between English and Spanish audio and visual instructions, as well as Adult and Child mode to respond to patients over 1 year old with universal electrode pads - saving time during an emergency and money during ownership.

05 Rapid Incident Reporting

The Avive Connect AED's Rapid Incident Reporting can share vital information with first responders and physicians to support patient care. No more cumbersome event downloads, special cables and CD-ROM software, or additional costs required to access your critical information.

06 Dynamic Training

Install the Avive Training Cartridge and seamlessly train on real-world scenarios. Dynamic training videos and simulated scenarios with the Avive Connect AED increase familiarity with the device.

www.avive.life | sales@avive.life

The Avive Connect AED

Technical Specifications

Defibrillator	
Model	Avive AED™ with Avive Connect™
Type	Fully Automatic
Defibrillation Waveform	Bi-Phasic Truncated Exponential (BTE) non-escalating energy. Waveform dynamically adjusts to optimize energy delivery for a wide range of patient impedances.
Selected Energy	Adult 150 Joules, Pediatric 50 Joules
Patient Impedance Range	25 Ohms to 200 Ohms
Audible Instructions (Emergency)	Detailed audio instructions and visual indicators guide untrained and trained responders through the rescue.
CPR Guidance	Real-time guidance via audio and visual instructions.
CPR Coaching	Continuous detailed coaching during CPR with an audible metronome, audio instructions, and countdown, all designed to encourage high performance compressions.
Indicators	Audio to convey functionality status, Status Light to indicate functionality status, Stand Back Light and audio instructions to indicate when not to touch patient during rescue scenario.
Patient Analysis	
Measures the patient's electrocardiogram (ECG) and uses a patented machine learning algorithm [Rhythm Recognition Detector] to determine if defibrillation is appropriate. The Rhythm Recognition Detector has been trained using numerous databases of adult and pediatric ECGs recorded from real patients.	
Sensitivity/Specificity: The performance of the Rhythm Recognition Detector exceeds sensitivity and specificity recommendations of the American Heart Association. ¹	
Physical Specifications (with Avive Pad Cartridge Installed)	
Dimensions	5.63 in x 6.30 in x 2.60 in (143 mm x 160 mm x 66 mm)
Weight	2.1 lbs (953 grams)
Environmental	
Temperature	<ul style="list-style-type: none">Operating temperature: 32°F to 122°F (0°C to 50°C)Battery charging: 32°F to 113°F (0°C to 45°C)Short-term storage temperature (up to 14 days): -4°F to 140°F (-20°C to 60°C)Long-term storage temperature: 41°F to 104°F (5°C to 40°C)
Humidity (Operating and Storage)	5-95% non-condensing
Dust / Water Resistance	IP 54 (with Avive Pad Cartridge™ installed) - dust protected, splash and spray proof
Altitude	-280 ft to 15,000 ft (-85 m to 4572 m)

Endnotes

- 1 Shen et al. Development of a Convolutional Neural Network for Shockable Arrhythmia Classification within a Next Generation Automated External Defibrillator. Journal of American College of Cardiology. 2020 Mar; 75 (11_Supplement_1) 3468

Pad Cartridge Specifications		
Model	Avive AED Pad Cartridge™	
Electrode Type	Pre-connected, single-use combined ECG / defibrillation pad. Electrode Placement: Adult: Anterior-Lateral; Pediatric: Anterior-Posterior	
Electrode Cable Length	53 in (1.3 m) each	
Shelf-life	2 years (see use-by-date on the Pad Cartridge)	
Training Cartridge		
Avive AED Training Cartridge (Optional)	When the Avive AED Training Cartridge is installed, there's no electrical connection between the training pads and the device, converting the device into Training Mode. In Training Mode, the device provides audio instructions as if it were being used in an emergency, however, the device will not actually analyze a heart rhythm or deliver defibrillation therapy. Audio instructions are for user training only. Use the Avive Connect AED to facilitate Training Mode.	
Battery		
Battery Type	Lithium Ion, Rechargeable, not user replaceable	
Time to Full Battery Charge	< 5 hours	
Capacity (Fully Charged, typical)	≥ 75 shocks at 150J or 2.5 hours of continuous operation	
Low Battery	From a fully charged AED battery at nominal conditions: ≥ 8.5 Months until Low Battery At Low Battery the AED can deliver < 10 shocks at 150J or < 20 minutes of continuous operation The screen and connectivity battery will last ≤ 5 months at nominal conditions.	
Device Readiness Tests		
Automatic	Daily: Battery Status, Basic Circuitry Functionality, Pad Readiness Weekly: All Daily, plus partial energy charge and discharge cycle Monthly: All Daily, plus full energy charge and discharge cycle	
User-Initiated	Functionality Status: Press and hold the power button for 5 seconds, and the device will share its status.	
Status Light	Functionality Status	Green Light - AED is ready to use Red Light - AED needs attention
	Charging State	Battery Charging - blinks once every second Battery Fully Charged - blinks twice every 10 seconds Battery Not Charging - blinks once every 10 seconds
Connectivity		
Wireless Communication Methods	Bluetooth® connection to the Avive App, and cellular and WiFi connection to the cloud-based REALConnect Platform.	
Location	GPS based device tracking	
Event Recording		
Type	Internal Memory	
Memory	At least one hour of ECG and event / incident recording stored on AED, and unlimited event storage in cloud-based REALConnect Platform	
Display		
Visual Touchscreen	High-resolution color touchscreen	
Visual Prompts	InSync image and motion graphics during emergency mode	

www.avive.life | sales@avive.life