

## Philips Medical Systems



Heartstart FR2+	Heartstart Onsite	Heartstart FRx
Its host of features makes it an extremely versatile and rugged defibrillator, enabling responders to potentially save the life of a coworker, friend, patient or fellow citizen under demanding circumstances.	Heartstart Onsite Defibrillator is designed to enable you to help save a life in extraordinary circumstances.	The FRx Defibrillator is the newest member of the Heartstart family of defibrillators designed with new technology advancements in treating the most common cause of SCA.
<b>Simplicity for the Lay Responder:</b> The FR2+ has come to be a trusted tool of professional responders and designated response teams in the work place and public settings. Its clean, uncluttered design is optimized for fast, efficient operation and rapid delivery of defibrillation therapy. Commands are clear, streamlined, confident, and concise: ideal for responders who are trained, drilled, and ready to save a life now.	<b>Easy to Use:</b> Using the Heartstart Onsite Defibrillator is simple. Pulling the green handle powers-up the defibrillator and activates voice instructions. These instructions are paced to your actions, to help guide you through the entire process, from placing pads on the patient to delivering a defibrillation shock.	<b>Proven Ease-of-Use:</b> The FRx guides you through every step with clear, calm voice commands and descriptive visual icons. The FRx even reminds you to call emergency medical services (EMS). Pressing the blue i-button activates Heartstart CPR coaching for assistance with CPR. The flashing icons and the Quick Reference Guide can be used to lead you through the defibrillation steps – even in situations where hearing voice instructions is a challenge.
<b>Lightweight:</b> Fully equipped at just under 5 pounds	<b>Lightweight:</b> Fully equipped at just 3.3 pounds	<b>Lightweight:</b> Fully equipped at just under 3 pounds
<b>Intuitive:</b> 1-2-3 operation, with text and voice prompts	<b>Intuitive:</b> Clean design and clear voice instructions instill the confidence that's needed in administering therapy to a person in cardiac arrest.	<b>Intuitive:</b> The FRx guides you through every step with clear, calm voice commands and descriptive visual icons.
<b>Rugged:</b> Designed to use in extreme environments and conditioners	<b>Rugged:</b> Designed to use in extreme environments and conditioners	<b>Designed for Real World Use:</b> The Philips Heartstart FRx Defibrillator is exceptionally rugged. Designed to surpass rigorous testing requirements, the FRx withstands jetting water, loads up to 500 pounds and a one-meter drop onto concrete.

<b>Capable:</b> Cleared for use on anyone of any age, including children	<b>Versatile:</b> Available for use on anyone of any age, including children and infants.	
<b>Ever-Ready:</b> Powered by either a long-life five year disposable or a rechargeable battery.	<b>Ever-Ready:</b> Powered by a long life (4 year) disposable battery. Automated tests help ensure readiness.	<b>Ever-Ready:</b> The FRx is powered by an easy to install, long life (four-year) battery, so you know the device is charged and ready.
<b>Effective:</b> Clinically proven low-energy waveform.	<b>Effective:</b> Patented SMART Analysis heart rhythm assessment and SMART biphasic defibrillation therapy, clinically proven in nearly 10 years of use. No other biphasic waveform is as well documented.	<b>Effective:</b> SMART Analysis, a proven Philips technology for heart rhythm assessment, ensures that the FRx defibrillator only shocks when it should. SMART Analysis automatically assesses the victim's heart rhythm and is designed not to deliver a shock unless the rhythm is determined to be shockable – even if the shock button is pressed. What's more SMART Pads II enable the FRx to keep pace with the responder by adjusting to their actions.
<b>Infant Child Defibrillation:</b> The FR2+ can treat patients of any age. When equipped with special infant/child defibrillator pads that reduce the energy of the FR2+ shock, you can safely treat a child or infant in cardiac arrest.	<b>Infant/Child:</b> Onsite can be used on patients of any age. Special infant/child SMART pads reduce the defibrillator's shock energy, so that you can treat an infant or child suffering sudden cardiac arrest. The infant/child pads cartridge is marked with an indication of the appropriate weight and with a teddy bear icon for ready identification.	<b>Infant/Child Key:</b> Simply insert the Infant/Child key into the FRx to signal the device that you're treating an infant or child. The defibrillator adjusts to provide special pads placement and CPR instructions. The pads icons also flash to show you the appropriate pads placement and the device reduces the shock energy to a level more appropriate for an infant or a child (less than 55 pounds or 8 years of age).
<b>DP2 or DP6:</b> Disposable self-adhesive pads with cable and connector. These pads have a nominal active surface area with a 48-inch cable. <b>Infant Child Pads:</b> Reduces defibrillator shock energy to nominal 50 Joules into a 50-ohm load.	<b>SMART Pads Cartridges:</b> The cartridge contains two adhesive pads that are peeled and placed on the patient's bare skin as indicated by the pictures on the pads. The pads are "smart" because they can sense that they have been removed from the cartridge and applied to the patients	<b>Pre-connected SMART Pads II:</b> Pads for all patients. Save valuable time in an emergency with pre-connected pads for use on adults and children. SMART Pads II eliminates the expense of having the purchase different pads for different patient types.

<p><b>Thoroughly Proven Therapy:</b> The FR2+ uses the proven SMART Analysis algorithm to ensure a shock is delivered only if it is appropriate. And Philips' low-energy SMART Biphasic waveform delivered a highly effective defibrillation shock that is also gentle to the heart. No other external defibrillation therapy has been supported by more clinical data.</p>	<p>Heartstart Onsite determines if a shock is needed, based on its automated assessment of the victim's heart rhythm: If a shock is needed, the defibrillator directs you to press the flashing orange "shock" button. Then, the unit delivers a dose of low-energy biphasic therapy, a highly effective defibrillation waveform that is also gentle to the heart.</p>	<p><b>SMART Technology:</b> SMART Analysis, a proven Philips technology for heart rhythm assessment, ensures that the FRx defibrillator only shocks when it should. SMART Analysis automatically assesses the victim's heart and is designed not to deliver a shock unless the rhythm is determined to be shockable – even if the shock button is pressed. What's more, SMART Pads II enable the FRx to keep pace with the responder by adjusting to their actions.</p>
<p>N/A</p>	<p><b>CPR:</b> If a shock is not needed, the Onsite instructs you to assess the patient and to perform CPR when necessary. While performing CPR, the defibrillator's voice instructions can be activated to coach you on the frequency and depth of compressions.</p>	<p><b>CPR Coaching:</b> Available only on Heartstart Defibrillators, CPR Coaching reminds the responder of CPR basics and provides options for both adults and children</p>
<p><b>EMS:</b> FR2+ offers features that make hand-off to ALS professionals seamless for maximum continuity of care for the patient. A display of the ECG is available. The FR2+ can be configured to allow ALS responders to switch to a manual mode, giving them more decision-making control. And defibrillator pads adapters enable the pads to remain on the patient when transferring to many popular ALS manual defibrillators from Philips and other manufacturers.</p>	<p><b>EMS:</b> HeartStart Onsite also reminds you to call emergency medical services (EMS). And, should EMS need a summary of care, it can be retrieved from the defibrillator's internal memory. An EMS provider simply presses the "i-button" and Heartstart Onsite verbally recounts events from its last clinical use.</p>	<p><b>EMS:</b> Once EMS arrives, hand-off is fast and easy because the FRx is compatible with advanced defibrillators like the HeartStart MRx. With HeartStart adapters, our pads can be plugged into devices from other manufacturers to ensure continuity of care.</p>
<p><b>Prescription:</b> Requires Medical Advisory</p>	<p><b>Prescription:</b> Over-the-counter clearance, no prescription required</p>	<p><b>Prescription:</b> Requires Medical Advisory</p>