

Technical Note

HEARTSTART DEVICE-PADS COMPATIBILITY

BACKGROUND

Philips HeartStart automated external defibrillators (AEDs) offer features designed to enable seamless hand-off to advanced life support professionals. This helps ensure continuity of care for the patient. Philips HeartStart defibrillator pads are equipped with a plug that allows connection to Philips Emergency Care Services (ECS) defibrillators and, using adapters (available separately from Philips), to some competitive defibrillators as well. However, HeartStart pads are not interchangeable among all HeartStart defibrillator models. This Technical Note is intended to guide users in purchasing the most appropriate pads for their HeartStart defibrillators.

PREFERRED PADS FOR PHILIPS AEDS

The **HeartStart HSI** (OnSite, Home) series of AEDs are designed to use a pre-installed SMART Pads cartridge. There are separate SMART Pads cartridges for adult [REF: M5071A] and infant/child [REF: M5072A] applications. Do not open the installed pads cartridge until needed for use.

The **HeartStart FRx** AED is designed to use pre-connected SMART Pads II [REF: 989803139261]. These pads must be pre-connected, or the AED will give continuous alert chirps. For details, see the Technical Note "Pads Compatibility for the FRx Defibrillator." The FRx uses the same pads for both adult and infant/child applications. The optional FRx Infant/Child Key [REF: 989803139311] is used to reduced the therapy dose for pediatric defibrillation.

The **HeartStart ForeRunner, FR2, and FR2+** AEDs are designed for use HeartStart Adult Plus Defibrillator Pads or Infant/Child Reduced-Energy Defibrillator Pads [REF: M3870A]. The adult pads, initially supplied in a pack of two [REF: DP2] or six pad sets [REF: DP6], are currently provided in a single set [REF: 989803158211] or five sets [REF: 989803158221]. These pads are not pre-connectable and should not be opened until needed for use. Pre-connecting the pads will cause the AED self-test to fail.

The **HeartStart FR3** is designed to use pre-connected SMART Pads III. The defibrillator automatically tests the integrity of the pre-connected pads during periodic self-tests. The SMART Pads III are used for both adult and pediatric application. The optional FR3 Infant/Child Key [REF: 989803150031] is used to reduced the therapy dose for pediatric defibrillation.

- Customers **adding the FR3 to an existing fleet of FRx** AEDs may choose to standardize on SMART Pads II, which are also pre-connectable to the FR3 and will be tested as part of the FR3 periodic self-tests. However, to use the SMART Pads II with the FR3, be sure to remove the Pads Sentry from the FR3 case, if used, and store the gray SMART Pads II case in its place.
- Customers **adding the FR3 to an existing fleet of FR2+** AEDs may choose to standardize on Adult Plus Defibrillator Pads and Infant/Child Reduced-Energy Defibrillator Pads. These pads are not pre-connectable and should not be opened until needed for use. Pre-connecting the pads will cause the AED self-test to fail.

DEVICE-PADS COMPATIBILITY CHART

The Defibrillator-Pads Compatibility Chart on the following page provides a quick guide to which Philips pads should be used with specific HeartStart AED and ECS devices. Consult the user documentation for your device for further details.

For questions or additional support regarding Philips AEDs, please contact your local technical support team, visit www.philips.com/AEDsupport, or email AEDSupport@philips.com. For North American customers only, please contact 1-800-263-3342.

Philips Defibrillator Pads Compatibility Chart										
Pads Description			Automatic External Defibrillators (AED)					Advanced Life Support (ALS) Monitors/Defibrillators*		
Model Number	Type	Description	ForeRunner	FR2/FR2+	FR3	FRx	HS-1/Onsite	XL	XL-T/4000	MRx
AED Pads										
989803158211	adult	Plus, Multifunction - 1 pack								
989803158221	adult	Plus, Multifunction - 5 pack								
989803139261	adult, pediatric with infant/child key	SMART Pads II			pre-connectable	must pre-connect				
989803149981	adult, pediatric with infant/child key	SMART Pads III - 1 pack			pre-connectable			pre-connectable	pre-connectable	pre-connectable
989803149991	adult, pediatric with infant/child key	SMART Pads III - 5 pack			pre-connectable			pre-connectable	pre-connectable	pre-connectable
M3870A	pediatric	FR2 Infant/Child								
M5071A	adult	HS1/OnSite/Home Adult Cartridge					must pre-install			
M5072A	pediatric	HS1/OnSite/Home Infant/Child Cartridge					must pre-install			
Emergency Care Services Pads										
M3501A	adult	Barrel Style Connector, AAMI								
M3502A	adult	Barrel Style Connector, CE								
M3503A	pediatric	Barrel Style Connector, CE								
M3504A	pediatric	Barrel Style Connector, AAMI								
M3713A	adult	Plus, Multifunction								
M3716A	adult	Radiolucent								
M3717A	pediatric	Pads Plus								
M3718A	adult	Radiotransparent								
M3719A	pediatric	Radiotransparent								
989803166021	adult	Pre-connect, Multifunction						pre-connectable	pre-connectable	pre-connectable

= NOT compatible
 = Compatible and, where indicated, pre-connectable

* If the HeartStart XL, XL-T/4000 or MRx is configured for the barrel-style connector, the HeartStart Pads Adapter [REF: 05-10200] is required for use with HeartStart AED Pads.