

Technical Note

RECONFIGURING THE HEARTSTART FR_x TO MEET AHA 2005 GUIDELINES

BACKGROUND

All existing FR_x defibrillators can be reconfigured by the user to adapt to the pertinent AHA 2005 Guidelines. Medical directors should consider their programs and – if the decision to make to reconfigure the defibrillator – train users to the new protocol before revising the defibrillator settings.

The following modifications to default configuration will allow the FR_x to meet the Guidelines. These changes will override any previous changes.

PARAMETER	NEW SETTING	CHANGE FROM DEFAULT
Shock Series	1	Changes the 3-shock sequence to a 1-shock sequence.
Protocol Pause Timer	2.0	Changes the protocol pause interval to 2 minutes. The pause automatically starts after voice instruction is given when a shock series is completed. After the pause, the defibrillator returns to rhythm analysis.
NSA Timer	2.0	This changes the CPR pause after a “No Shock Advised” decision to 2 minutes.
NSA Pause Type	Standard NSA Pause	Modifies the behavior of the HeartStart so that it does not perform rhythm analysis during the NSA pause.

The CPR Prompt parameter can be modified in either of two ways to meet the Guidelines: no CPR coaching or compressions-only CPR coaching. The first option requires a change only to the CPR Prompt parameter setting; the second requires changes to the CPR Prompt, Adult Ventilation Instruction, and Infant/Child Ventilation Instruction settings. See the following table for details.

NO CPR COACHING	SETTING	CHANGE
CPR Prompt	CPR1 (short prompt)	Shortens the voice prompts after a shock or a No Shock Advised decision, by eliminating the instructions to check for circulation and breathing. This change also turns off CPR Coaching. <i>NOTE: For customers who require CPR prompts with a 30:2 compression/ventilation ratio, a revision to defibrillator software will be made available in the future.</i>

COMPRESSIONS-ONLY CPR COACHING	SETTINGS (3 changes required)	CHANGE
CPR Prompt	CPR3 (short prompt with coaching)	Shortens the voice prompts after a shock or a No Shock Advised decision, by eliminating the instructions to check for circulation and breathing.
Adult CPR Ventilation Instruction	NO	Changes the ventilation instructions from default twice every 15 compressions to compressions only
Infant/Child CPR Ventilation Instruction	NO	Changes the ventilation instructions from default once every 5 compressions to compressions only.

METHOD

Reconfiguring the FRx defibrillator requires use of data management software available from Philips. Either of two software packages can be used:

- **M3834A Philips HeartStart Event Review 3.2**
 This software is for use on a personal computer (not provided) with infrared communication (IrDA) capability or using an IrDA cable such as the Philips HeartStart ACT-IR. Instructions for changing the protocols are detailed in the Instructions for Use included with the Event Review software.
- **989803143041 Philips HeartStart Configure 1.0**
 This software is for use with a handheld computer using Palm OS. Instructions for changing the protocols are detailed in the Instructions for Use included with the HeartStart Configure software.

Please contact Philips Medical Systems at 1-800-263-3342 (or your local Philips office) if additional assistance is required.